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BRANCH OFFICE
LAS VEGAS, NEVADA

STATE OF NEVADA

# BIENNIAL REPORT

OF THE

# STATE ENGINEER

1921-1922

ROBERT A. ALLEN
State Engineer of Nevada

CARSON CITY, NEVADA
STATE PRINTING OFFICE : : : : : JOE FARNSWORTH, SUPERINTENDENT
1923

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TYPOGRAPHICAL
UNION LABEL
WASHOE

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## LETTER OF TRANSMITTAL

STATE OF NEVADA
OFFICE OF THE STATE ENGINEER,
CARSON CITY, January 1, 1923.

*To His Excellency,* JAMES G. SCRUGHAM, *Governor of Nevada.*

DEAR SIR: Pursuant to the provisions of section 14, chapter 140, Statutes of 1923, I have the honor to submit my report as State Engineer of the State of Nevada for the years 1921 and 1922.

Respectfully submitted,

ROBERT A. ALLEN,
*State Engineer.*

# PERSONNEL

## STATE ENGINEER'S OFFICE

| | |
|---|---|
| Robert A. Allen* | State Engineer |
| John V. Mueller† | Assistant State Engineer |
| Harvey M. Payne | Deputy State Engineer |
| Parvin P. Jones | Chief Clerk |
| Ethel L. Fletcher | Stenographer |

*For unexpired term of J. G. Scrugham, resigned October 7, 1922.
†Vice Robert A. Allen, promoted.

## HUMBOLDT RIVER ADJUDICATION

| | |
|---|---|
| B. G. McBride | Field Engineer |
| Ira MacFarland | Field Engineer |
| Melvin E. Jepson | Field Engineer |
| L. H. Taylor | Field Engineer |
| W. J. Pike | Field Engineer |
| John V. Mueller | Field Engineer |
| C. V. Taylor | Field Engineer |
| R. E. Tilden | Field Engineer |
| Mrs. B. H. Walters | Reporter |
| Nellie McWilliams | Reporter |
| W. B. Hitt | Reporter |

## COLORADO RIVER COMMISSION

| | |
|---|---|
| J. G. Scrugham | Chairman |
| C. P. Squires | Secretary |
| Levi Syphus* | Member |
| Ed. W. Clark | Member |
| Robert A. Allen, State Engineer | Member |

*Resigned.

## OWYHEE RIVER COMMISSION

| | |
|---|---|
| Robert A. Allen, State Engineer* | Chairman |
| T. A. Brandon | Secretary |
| J. T. Goodin† | Member |

*For unexpired term of J. G. Scrugham, resigned. †Deceased.

## COOPERATIVE SNOW SURVEY

| | |
|---|---|
| J. E. Church, Jr. | In Charge Nevada Cooperative Snow Survey |

## WATER RESOURCES BRANCH U. S. GEOLOGICAL SURVEY

| | |
|---|---|
| A. B. Purton | District Engineer |

## STATE IRRIGATION AND BOND COMMISSION

| | |
|---|---|
| Emmet D. Boyle, Governor | Chairman |
| Robert A. Allen, State Engineer* | Member |
| Gilbert C. Ross, State Bank Examiner | Member |

*Vice J. G. Scrugham, resigned.

## NEVADA RECLAMATION AND SETTLEMENT BOARD

| | |
|---|---|
| Emmet D. Boyle, Governor | Chairman |
| Robert A. Allen, State Engineer* | Secretary |
| George D. Smith | Member |
| Pierre Marconnot | Member |
| J. Madison Gray | Member |

*Vice J. G. Scrugham, resigned.

## BUREAU OF INDUSTRY, AGRICULTURE AND IRRIGATION

| | |
|---|---|
| Emmet D. Boyle, Governor | Chairman |
| C. L. Deady, Surveyor-General | Member |
| Robert A. Allen, State Engineer* | Member |

*Vice J. G. Scrugham, resigned.

# BIENNIAL REPORT

## INTRODUCTION

In the last biennial report of the State Engineer (for the years 1919–1920) certain recommendations bearing on changes in the water law were made, looking toward a simplification of various sections of the water law, particularly those sections pertaining to adjudications, to provide for contests being filed against findings made by the State Engineer rather than against the claims of appropriators; the enactment of legislation permitting District Court Judges to enter interlocutory decrees governing amounts of water allotted to lands; the provision of a just and equitable fixing of assessments and the collection thereof to permit of paying adequate salaries to water commissioners.

The 1921 Legislature enacted into law all of the above recommendations, changing the objectionable features and wording of sections 29, 31, and 32 of the 1913 Act and section 30 as amended by section 2, chapter 253 of the 1915 Act; this change becoming necessary because of the decision of the Supreme Court holding these sections unconstitutional.

The Court's decision (see 44 Nev. 418) was made during the legislative session and it was relatively simple to submit amendments which, when enacted into law, clarified the whole situation, and permitted the office to function unhampered.

The water law was further amended by the addition of a new section providing for the licensing of engineers as state water-right surveyors, fixing the license fee and outlining a procedure.

During the past two years the workings of the law as amended have been closely watched, and, as a result, I feel no hesitation in saying that the changes made by the last Legislature have more than justified themselves both in simplicity of operation and in economy to the water user.

## RECOMMENDATIONS

With a workable water code such as we now have, there is no reason why the final determination of the balance of the vested water rights in the State should not be carried on rapidly. With the completion of the Humboldt adjudication, practically all of the larger streams of the State are in retrospect as regards water rights. A great many minor streams, supporting less than ten users, and many stock-watering sources, separate and apart from irrigation, remain to be adjudicated. All of this work should be attacked and carried through to completion, particularly the fixing of rights on stock-watering sources, as the range-stock industry of the State is constantly being encroached upon, and, in all fairness to the industry and to the new settlers coming into the State, a rapid determination of these rights should be made.

Perhaps the major irrigation problem confronting the people of Nevada at the present moment is the development of the resources along the Humboldt River system. With the fixing of the relative water rights practically completed, many applications for the use of the surplus water present themselves for action by this office. Detailed inves-

tigations of each one will be necessary in order that the river development may go forward in a clean-cut, logical manner. This pertains particularly to the larger applications for the storage of water at various points along the river. The distribution of water along the Humboldt River after a decree is entered should ultimately be taken over by irrigation districts composed of all the water-users in the various districts along the river. Until those districts are thoroughly organized and ready to take over the work of distribution, this work will have to be carried along by the State Engineer's office, which will involve a great deal of time, even though the State Engineer's findings and the decree be as simple as possible.

To carry on the work during the next two-year period, an appropriation of $34,650, exclusive of the statutory salaries of the State Engineer and his Assistant, is requested.

### ENGINEERING EXPERIMENTATION

As a large amount of the waters of the State are lost to irrigation by stream diversion, through their disappearance into the gravel beds of the valleys, and are only recoverable through either artesian or pumped wells, it is recommended that the work of better well development be again taken up and an appropriation of $2,500 be made therefor. By so doing the new settler in the State can get correct advice on the best kind of pumping equipment to install to handle the quantity of water he has developed. He can get assistance in testing and developing his well to the point of maximum water yield. That such work is timely is evidenced by the activity in land and water development under the Pittman Act.

### COOPERATIVE STEAM-GAGING

The United States Geological Survey has for years cooperated with the State Engineer in the stream-gaging work in the State. The work done is extremely important and should above all means be continued. The measurements obtained form the basis for water-right determination, show the feasibility of projects for the storage of water both for power and irrigation, and materially assist the office in taking action on new applications to appropriate water.

The cooperation in the past has been on the basis of $5,000 per biennium from both federal and state funds. For the last three years the Federal Government has been expending $3,000 annually on the work and will continue to do so. It is, therefore, urged that a like appropriation of $6,000 for the biennial period be made by the State of Nevada. This will give an opportunity to put gaging-station equipment in repair, keep computations more closely up to date, and permit the installation of a few new gaging stations.

### COOPERATIVE SNOW SURVEY

While the results of the snow survey in Nevada are not as spectacular as the results of other work, still it is felt that the expenditure of another $2,000 for the next biennium will be justified. The scheme fostered by Dr. Church is being used to an increased extent by a great many of the power companies of the country in order to forecast water supply. It is my opinion that eventually the work will be carried

on at a decreased cost and be of a great deal of benefit to irrigation districts, such as the Walker River irrigation project and those contemplated on the Humboldt River.

### COLORADO RIVER COMMISSION

The work of the Colorado River Commission should be continued for at least another two-year period in order that power developments which are tentative in nature at the present time can be developed and the interests of Nevada fully protected. The compact entered into by the various States in the basin has yet to be ratified by the Government and the various State Legislatures. Additional data may have to be gathered to convince certain of the State Legislatures that the compact is drawn to protect their interests. The State of Nevada should be fully represented on the board in charge of the proposed developments. To continue the work of the Colorado River Commission, we recommend that an appropriation of $5,000 be made for the coming biennium.

For a detailed summary of the appropriations made during the last biennium and estimated as necessary for the coming biennium, see budget in appendix.

### HUMBOLDT RIVER

During 1921 and 1922 the lands lying in the Humboldt River basin were checked in the field with the maps on file in the State Engineer's office, a careful investigation being made on the ground to determine the exact acreage irrigated from the river system. These areas were in turn classified, tabulated, and made the basis for the adjudication then under way. For administration purposes it was necessary to divide the entire basin into districts, four in number, consisting of the Lovelock District, the Winnemucca District, Battle Mountain District, and the Pine Creek and Elko District.

In conjunction with water-users associations in each district the State Engineer held approximately 500 hearings, involving the determination of the priority and class of culture on practically 15,000 separate areas, a total of over 280,000 acres. Though a great amount of the work connected with the adjudication was accomplished in the field, it was necessary to recheck and tabulate the entire acreage in the office prior to submitting the preliminary order of determination to each water-user.

After the issuance of the preliminary order of determination, the objections to the order were heard and what corrections were found necessary were made and finally checked. The final order of determination has been made and at the present writing will be ready for submission to the court having jurisdiction some time during the first part of January, 1923.

### CARSON RIVER

The water-users in Carson Valley have recently completed surveys and an investigation of the storage possibilities on the upper reaches of the Carson River, and have found what may prove to be a storage site where the spring floods can be stored and used during the latter part of the irrigation season. The final report has not as yet been made as to the feasibility of the site in question. The adjudication of the

Carson River, which is complete with the exception of filing the same with the District Court for final determination, will be the basis of all storage calculations in the Carson Valley.

### VIRGIN RIVER

The final determination of water rights in the Virgin River District, which includes the Bunkerville and Mesquite Irrigation Companies, is well on its way. Entirely different from most stream-systems in the State, there has been little or no litigation over water rights in this district. There has always been an ample water supply to cover the needs of the district in the past, and this is the reason, perhaps, that little or no attempt was ever made by the water-users to perfect their rights to the use of water from the Virgin River.

Within the last year or two, contemplated projects lying above them have been investigated and data relative to their construction are being secured. In advance of any actual building, the rights of the water-users from the Virgin River in Nevada must be determined. Within the last few months cultural maps have been made covering all of the lands. The adjudication can now be rapidly followed to completion.

### MINOR STREAMS

1. The findings of the State Engineer on the relative rights to the waters of Salmon River and Goose Creek were heard June 29, 1922, and a judgment entered thereon by the District Court at Elko.

2. The findings of the State Engineer on Rice Creek were heard on the same date, and judgment rendered confirming the State Engineer's findings.

3. The field investigations on Clover Valley Creek, Six-Mile Creek, and Siegel Creek have been made and all compilations practically completed.

4. The order of determination in and to the waters of White River and its tributaries was submitted to the District Court of White Pine County, hearings were held on December 4, 1922, and judgment entered confirming the findings of the State Engineer.

5. The preliminary order of determination in and to the waters of Overland Creek and its tributaries, made by the State Engineer, was submitted to the water-users. Certain objections were made, and the matter is now in process of adjustment.

6. The details of the Pahranagat Lake adjudication are being worked out in the office, preliminary to the final work in the field. Land development and the conservation of water in the Pahranagat Valley have necessitated the adjudication and have caused the water-users to take an added interest in their rights.

### COOPERATIVE INVESTIGATIONS

By A. B. Purton, District Engineer, United States Geological Survey

The work of collecting stream-flow data has been continued during the past two years under a cooperative agreement between the United States Geological Survey and the State Engineering Department. Details of this agreement are sub-

stantially the same as outlined in previous reports of the State Engineer.

Acknowledgments are due to irrigation districts, private companies, and individuals who have assisted materially by furnishing records and equipment. The United States Indian Service has paid for the maintenance of several stations of special interest to Indian projects and the Reclamation Service has furnished complete records at two stations maintained by its own organization.

The administration of the state water law and the future development of the agricultural and other resources of the State involve a knowledge of the water resources such as can only be obtained by comprehensive and continuous records of flow of the various streams. Expenditures for carrying on the cooperative work during the biennial period were made from the several funds as follows:

| | |
|---|---|
| State of Nevada | $5,000.00 |
| U. S. Geological Survey | 7,050.00 |
| U. S. Indian Service | 720.00 |

Stations were maintained during the biennium on the following streams:

Currant Creek near Currant.
Humboldt River at Palisade.
Humboldt River at Battle Mountain.
Humboldt River at Comus.
Humboldt River near Oreana.
Humboldt River near Lovelock.
Star Creek near Deeth.
Mary's River at Mala Vista ranch near Deeth.
Secret Creek near Halleck.
Lamoille Creek near Lamoille.
North Fork of Humboldt River at Devil's Gate near Halleck.
South Fork of Humboldt River near Elko.
Maggie Creek at Carlin.
Rock Creek near Battle Mountain.
Little Humboldt near Paradise Valley.
Martin Creek near Paradise Valley.
H. L. I. L. & P. Co.'s feeder canal near Mill City.
H. L. I. L. & P. Co.'s outlet canal near Humboldt.
Truckee River at Reno.
*Carson River at Empire.
*Carson River near Fort Churchill.
West Fork of Carson River at Woodfords, Calif.
†Walker River near Wabuska.
Walker River at Schurz.
West Walker near Wellington.

*Complete records for publication furnished by the United States Reclamation Service.

†The cost of maintaining these stations is paid by the United States Indian Service.

‡West Walker near Coleville.
‡West Walker at Hudson.
‡East Walker near Bridgeport, Calif.
‡East Walker above Mason Valley, near Mason.
Bruneau River near Rowland.
†Owyhee River near Gold Creek.
†Owyhee River near Owyhee.
South Fork Owyhee near Deep Creek.
Jack Creek near Tuscarora.

## NEVADA COOPERATIVE SNOW SURVEYS

By J. E. Church, Jr., In Charge Nevada Cooperative Snow Surveys

The service of the Nevada Cooperative Snow Surveys has been continued and greatly extended during the past biennium.

In cooperation with the Department of Public Works of California, the Truckee River General Electric Company, the Pacific Gas and Electric Company, and Virginia and Gold Hill Water Company, snow surveys have been maintained in the Tahoe, Truckee, Carson, Walker, and Yuba Basins; and in the Humboldt and Little Humboldt basins in cooperation with the Reno office of the United States Weather Bureau.

Reports on the available snow storage the first of each month during the winter have been inaugurated at Summit Station, Tahoe City, and Blue Lakes for the Tahoe, Truckee, Yuba, and Carson basins, and arrangements have been made with the Southern Sierra Power Company for similar service on Tioga Pass for the Walker basin.

Special reports have been made, such as

1. Ability of Tahoe to recover if drawn down in emergency seasons.
2. Frequency of low water in Tahoe under the present regulation in Lake Levels.
3. Determination of the run-off of the East Walker near Bridgeport.
4. Feasible snow-survey plan for the Colorado.
5. A series of articles for Engineering News Record on Snow Surveying for the Forecasting of Stream Flow. (Feb. 10 and 17, 1921.)
6. A comprehensive report for the possible publication by the California Department of Public Works on Snow Surveying in Relation to Forecasting Stream Flow; Its Problems and their Present Phases.

Professor H. P. Boardman of the University has assisted in the preparation of most of these reports.

The Mount Rose snow sampler, designed and perfected at the University of Nevada for Nevada work, is now listed by Julien P. Friez & Sons, Belfort Meteorological Observatory,

†The cost of maintaining these stations is paid by the United States Indian Service.

‡Maintained in cooperation with Walker River Irrigation District.

Baltimore, Md., and orders have come from Stavanger Power Company, Norway, Bitter Root Irrigation District, Montana, and United States Reclamation Service at American Falls, Idaho, for sampler equipment.

In cooperation with the Truckee River General Electric Company, new snow-survey courses have been established on Webber and Crystal Peaks and in Big Meadows in the Truckee basin to determine in greater detail the flow of this stream. Likewise, in cooperation with the Elko Lamoille Power Company, a series of high courses has been established in Lamoille Canyon in the Ruby Mountains to increase accuracy in forecasts in the Humboldt Basin.

The cooperation of greatest value to Nevada is that recently established with the City of Los Angeles, which has adopted the Nevada snow-survey plan, and in conjunction with the Southern Sierra Power Company, the Kings River Water Storage District, and Southern California Edison Company, will establish surveys in all basins in the southern Sierra. This will continue the survey from Walker basin southward, and offer a much desired check on the surveys to the north and opportunity to bring under long observation some of the snow problems still awaiting determination.

### Problems

The new and pressing problems are:

(1) The effect of abnormally cold weather in March and April on quantitative seasonal run-off, such as occurred in 1921–1922.

(2) The effect of diversions on the down-stream flow.

(3) The further study of the run-off and forecast problems on the tributaries and main stream of the Humboldt.

### Needs

New snow surveys should be established at higher levels in the West Walker and Humboldt basins, and shelter huts should be maintained, particularly in the Walker and Carson basins and on Lamoille Creek and the South Fork of the Humboldt, to enable snow surveyors to reach the snow-survey courses with safety. In the Carson basin the United States Forest Service has offered to move a shelter hut to Hope Valley and give free use of it to Nevada for snow surveying, if the expense of removal is met.

Reconnaissance trips should be made to the headwaters of the northern feeders of the Humboldt to install high-level snow-survey courses there, if satisfactory locations can be found.

Additional recording gages should be installed on main feeders of the Humboldt in order to solve the problem of the effect of diversions on the forecasting of the flow of the main stream, especially its lower reaches.

Finally, inspection trips should be organized to train surveyors and study unusual conditions.

**Recommendations**

Owing to the pressing needs outlined above and to the possibility that the California Department of Public Works may not continue cooperation in the central Sierra, the sum of $4,500 should be appropriated for the coming biennium. This includes the $1,500 previously appropriated by Nevada and $3,000 appropriated by California. In case California continues cooperation, a portion of the above appropriation of $4,500 will revert to Nevada. Otherwise, the entire appropriation must be used to maintain the present surveys, which directly concern the streams that flow into Nevada. The only exception, the Yuba, is maintained practically without expense. The impending increase in demands upon the limited water resources of Nevada will require the early development of the snow-survey system in order to regulate the necessary reservoirs with utmost economy. Furthermore, because of the interlocking nature of the snow-survey system and the diverse interests served, the snow surveys should be maintained by the State in cooperation with the water districts rather than by the individual districts themselves.

**WATER COMMISSIONERS, 1921**

| *Source* | *Commissioner* | *Appointed* |
|---|---|---|
| Carson River: | | |
| East Fork of River | Peter Krummes | July 1, 1921 |
| West Fork of River | Harold L. Layman | July 1, 1921 |
| Ormsby County | W. G. Douglass | August 25, 1921 |
| Dayton District | C. V. Taylor | August 9, 1921 |
| Churchill District | J. E. Allen | August 20, 1921 |
| Currant Creek | Leonard J. Sullivan | May 16, 1921 |
| Duckwater Creek | Leonard J. Sullivan | May 16, 1921 |
| Muddy River | John V. Mueller | May 1, 1921 |

**WATER COMMISSIONERS, 1922**

| *Source* | *Commissioner* | *Appointed* |
|---|---|---|
| Carson River: | | |
| East Fork of River | C. F. W. Dangberg | July 24, 1922 |
| West Fork of River | A. A. Schole | July 17, 1922 |
| Currant Creek | Francis Root | June 1, 1922 |
| Duckwater Creek | Francis Root | June 1, 1922 |
| Muddy River | John M. Fulton, Jr. | May 21, 1922 |
| Muddy River | W. W. Coleman | June 20, 1922 |

**STATE WATER-RIGHT SURVEYORS**

In 1921, the Nevada Legislature passed an amendment to the water law, providing a procedure for the qualification and appointment of state water-right surveyors upon application to the State Engineer. The law further provided that no record of survey, map or measurement of water could be accepted for filing in the State Engineer's office unless made by a state water-right surveyor.

During the past two years, 63 engineers have qualified as state water-right surveyors. Of this number, 10 are from outside the

State, but practice in Nevada. The balance are about equally distributed over the State.

Since the law became effective a marked improvement in the standard of work submitted to the office has been noted.

## CAREY ACT

During the last biennial period, the State Engineer as ex officio member of the Commission of Industry, Agriculture, and Irrigation has been called upon only once to examine and report on Carey Act lands. That examination was made pursuant to instructions from the Board of Industry, Agriculture, and Irrigation, and consisted of an inspection of the lands applied for under Segregation List No. 9. These lands were originally taken up in the name of the Pacific Reclamation Company, but now stand in the name of the Metropolis Land Company, of Metropolis, Nevada.

The water supply for this project consists of waters from Burnt and Bishop Creeks, and the storage of certain flood-waters of Bishop Creek in a reservoir of 30,000 acre-feet capacity. The present water supply is entirely adequate for the lands recommended for patent. The acreage at present ready for patent, and for which application for patent has been made, is 473.6 acres. It appeared that, if the Metropolis Land Company was given more time, practically all the acreage under the segregation, which amounts to 3,423.66 acres, could be reclaimed. Therefore, the State Engineer recommended that an extension of time be applied for under the statutes or land-office regulations governing such procedure. An extension of time has been granted by the United States General Land Office giving the company until June 17, 1925, within which to reclaim any additional land possible up to a limit of 3,423.66 acres.

## NEVADA RECLAMATION AND SETTLEMENT BOARD

Several meetings of the Nevada Reclamation and Settlement Board were held during 1921 and 1922. In view of the contemplated reclamation projects of this board, it was deemed to be in the interest of the public welfare to withdraw from appropriation by others than the board the unappropriated flood-waters of the Owyhee, Virgin and Humboldt Rivers. If national legislation is ever enacted which will enable this board to use the waters of the State which have been withdrawn for the use of this board, a substantial development of raw land by soldier settlement can be looked for.

## ACKNOWLEDGMENTS

In conclusion, the State Engineer desires to express his appreciation for the very valuable assistance rendered to him by the water-users associations of the State. Without their help the adjudication of the Humboldt River alone would have been prolonged many years. Great credit is due Messrs. Ira MacFarland, B. G. McBride, and John V. Mueller, special assistants to the State Engineer, for services untiringly and effectively rendered. Without the loyal and faithful service of the office force the usual routine of work could not have been carried forward along with the special and detailed work before the office during the past two years.

# APPENDIX

## OFFICE FINANCES

**Segregated Expenditures from Appropriation for Support of Irrigation During Period Covered by this Report**

| Month | Appropriated by Legislature | Traveling expense | Salaries | General expense | Stationery | Equipment | Extraordinary | Totals |
|---|---|---|---|---|---|---|---|---|
| *1921* | | | | | | | | |
| January | $50,000.00 | $143.32 | $1,290.83 | $27.55 | $111.78 | | | $1,573.48 |
| February | | 254.70 | 1,321.33 | 22.53 | 75.92 | | $25.80 | 1,700.28 |
| March | | 44.15 | 1,296.73 | 37.81 | 94.43 | $602.96 | | 2,076.08 |
| April | | 221.23 | 1,523.33 | 37.20 | 45.30 | 278.60 | | 2,105.66 |
| May | | 91.33 | 1,308.33 | 194.43 | 35.44 | 41.50 | | 1,671.03 |
| June | | 269.16 | 1,407.48 | 49.00 | 56.35 | 57.25 | | 1,839.24 |
| July | | 294.06 | 1,469.33 | 26.77 | 38.40 | 258.60 | | 2,087.16 |
| August | | 52.53 | 1,433.33 | 37.79 | 53.55 | 5.83 | | 1,583.03 |
| September | | 333.60 | 1,146.73 | 49.93 | 41.15 | 4.00 | | 1,575.41 |
| October | | 85.33 | 1,183.33 | 5.80 | 62.33 | 115.10 | | 1,451.89 |
| November | | 525.81 | 1,508.33 | 155.25 | 71.21 | | | 2,260.60 |
| December | | 495.71 | 2,756.12 | 70.99 | 40.87 | 13.75 | | 3,377.44 |
| Totals | $50,000.00 | $2,810.93 | $17,645.29 | $715.05 | $726.73 | $1,377.59 | $25.80 | $23,301.30 |
| *1922* | | | | | | | | |
| January | | $315.56 | $1,533.78 | $44.63 | $42.64 | | | $1,936.61 |
| February | | 104.89 | 2,535.83 | 30.72 | 81.20 | | $30.00 | 2,782.64 |
| March | | 189.23 | 2,133.33 | 46.04 | 36.68 | | | 2,404.68 |
| April | | 219.22 | 1,708.33 | 15.39 | 111.32 | $3.62 | | 2,057.88 |
| May | | 248.38 | 1,588.63 | 23.01 | 144.31 | | | 2,004.33 |
| June | | 535.14 | 1,422.93 | 36.63 | 34.78 | | 30.00 | 2,079.48 |
| July | | 361.65 | 1,756.33 | 29.32 | 115.44 | | | 2,262.74 |
| August | | 486.31 | 1,796.80 | 39.95 | 63.89 | | | 2,386.95 |
| September | | 452.88 | 2,012.45 | 36.13 | 64.72 | 7.84 | | 2,594.02 |
| October | | 250.26 | 1,203.90 | 17.20 | 27.14 | | 10.00 | 1,508.50 |
| November | | 26.80 | 1,597.53 | 26.91 | 20.00 | | | 1,671.24 |
| December | | 231.14 | 2,122.53 | 28.36 | 145.31 | 482.29 | | 3,009.63 |
| Totals | | $3,441.46 | $21,412.37 | $394.29 | $886.83 | $493.75 | $70.00 | $26,698.70 |
| Grand totals | $50,000.00 | $6,252.39 | $39,057.57 | $1,109.34 | $1,613.56 | $1,871.34 | $95.80 | $50,000.00 |

## Fees Received and Disposition of Same

| Month | Fees received | Monthly fees deposited with state treasurer | Paid for publication fees | Paid as refund on canceled applications | Paid for recording certificate and transfer General Fund | Balance held for publication fees | Balance held for recording certificates | Totals |
|---|---|---|---|---|---|---|---|---|
| *1921* | | | | | | | | |
| Balance 1920 | $5,547.16 | | | | | $930.00 | $4,617.16 | |
| January | 816.89 | $526.89 | $300.00 | $90.00 | | 800.00 | 4,647.16 | |
| February | 535.20 | 365.20 | | 60.00 | | 910.00 | 4,647.16 | |
| March | 641.80 | 460.80 | 600.00 | | | 520.00 | 4,672.16 | |
| April | 670.60 | 460.60 | | | | 720.00 | 4,682.16 | |
| May | 859.20 | 564.20 | | 60.00 | | 950.00 | 4,687.16 | |
| June | 879.70 | 629.70 | 410.00 | | | 780.00 | 4,697.16 | |
| July | 595.20 | 385.20 | | | | 990.00 | 4,697.16 | |
| August | 823.00 | 493.00 | 470.00 | | | 850.00 | 4,697.16 | |
| September | 444.40 | 324.40 | | | | 970.00 | 4,697.16 | |
| October | 625.20 | 395.20 | 430.00 | | | 660.00 | 4,697.16 | |
| November | 278.00 | 258.00 | 220.00 | 10.00 | | 530.00 | 4,717.16 | |
| December | 510.40 | 320.40 | 240.00 | 10.00 | | 440.00 | 4,747.16 | |
| Totals | $13,126.75 | $5,039.59 | $2,070.00 | $230.00 | | $440.00 | $4,747.16 | $13,126.75 |
| *1922* | | | | | | | | |
| Balance 1921 | $5,187.16 | | | | | $440.00 | $4,747.16 | |
| January | 936.60 | $596.60 | $130.00 | | | 470.00 | 4,957.16 | |
| February | 565.80 | 315.80 | 80.00 | $50.00 | | 530.00 | 5,017.16 | |
| March | 428.00 | 248.00 | 190.00 | 20.00 | | 490.00 | 5,027.16 | |
| April | 442.00 | 272.00 | 190.00 | 20.00 | | 380.00 | 5,097.16 | |
| May | 531.80 | 371.80 | 210.00 | | | 330.00 | 5,097.16 | |
| June | 776.10 | 546.10 | 70.00 | | | 490.90 | 5,097.16 | |
| July | 608.90 | 398.90 | 140.00 | 50.00 | | 480.00 | 5,127.16 | |
| August | 822.60 | 522.60 | 170.00 | | | 610.00 | 5,127.16 | |
| September | 524.00 | 364.00 | | 20.00 | | 750.00 | 5,127.16 | |
| October | 831.00 | 491.00 | | 20.00 | | 1,070.00 | 5,127.16 | |
| November | 579.00 | 369.00 | 620.00 | 60.00 | $40.00 | 600.00 | 5,087.16 | |
| December | 719.00 | 479.00 | 220.00 | 10.00 | | 540.00 | 5,157.16 | |
| Totals | $12,951.96 | $4,944.80 | $2,020.00 | $250.00 | $40.00 | $540.00 | $5,157.16 | $12,951.96 |

**Segregated Statement of Fees Collected by State Engineer from January 1, 1921, to December 31, 1922, Inclusive**

| Month | Fees received | Proof of appropriation | Applications | | Issuing and recording permits | Proof of commencement of work | Proof of completion of work | Proof of application of water to beneficial use | Protests | Clerical work |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Publication | Fees | | | | | | |
| *1921* | | | | | | | | | | |
| January | $816.89 | $50.00 | $260.00 | $160.00 | $209.89 | $19.00 | $25.00 | $18.00 | $15.00 | $80.00 |
| February | 535.20 | ---------- | 170.00 | 85.00 | 193.20 | 11.00 | 11.00 | 3.00 | 6.00 | 56.00 |
| March | 641.80 | 25.00 | 210.00 | 170.00 | 159.80 | 8.00 | 9.00 | 6.00 | 13.00 | 41.00 |
| April | 670.60 | 10.00 | 200.00 | 200.00 | 138.60 | 10.00 | 10.00 | 5.00 | 3.00 | 94.00 |
| May | 859.20 | 5.00 | 290.00 | 295.00 | 150.20 | 16.00 | 16.00 | 10.00 | 2.00 | 75.00 |
| June | 879.70 | 10.00 | 240.00 | 240.00 | 219.70 | 30.00 | 14.00 | 3.00 | 3.00 | 120.00 |
| July | 595.20 | ---------- | 210.00 | 220.00 | 56.20 | 9.00 | 8.00 | 4.00 | 4.00 | 84.00 |
| August | 823.00 | ---------- | 330.00 | 330.00 | 35.00 | 33.00 | 7.00 | 18.00 | 7.00 | 63.00 |
| September | 444.40 | ---------- | 120.00 | 125.00 | 44.40 | 56.00 | 10.00 | 13.00 | 5.00 | 71.00 |
| October | 425.20 | ---------- | 120.00 | 120.00 | 55.20 | 11.00 | 10.00 | 16.00 | 5.00 | 88.00 |
| November | 378.00 | 20.00 | 100.00 | 100.00 | 32.00 | 5.00 | 23.00 | 20.00 | 4.00 | 74.00 |
| December | 510.40 | 30.00 | 160.00 | 160.00 | 48.40 | 1.00 | 16.00 | 12.00 | 17.00 | 66.00 |
| Totals | $7,579.59 | $130.00 | $2,410.00 | $2,205.00 | $1,342.59 | $209.00 | $159.00 | $128.00 | $84.00 | $912.00 |
| *1922* | | | | | | | | | | |
| January | $996.60 | $210.00 | $160.00 | $160.00 | $312.60 | $4.00 | $3.00 | $18.00 | $1.00 | $68.00 |
| February | 565.80 | 60.00 | 190.00 | 125.00 | 51.80 | 6.00 | 6.00 | 10.00 | ---------- | 47.00 |
| March | 428.00 | 10.00 | 170.00 | 180.00 | 20.00 | 3.00 | 5.00 | 1.00 | 4.00 | 35.00 |
| April | 442.00 | 70.00 | 100.00 | 100.00 | 128.00 | 2.00 | 1.00 | 3.00 | 7.00 | 31.00 |
| May | 531.80 | ---------- | 160.00 | 170.00 | 105.80 | 7.00 | 11.00 | 5.00 | 11.00 | 62.00 |
| June | 776.10 | ---------- | 230.00 | 230.00 | 218.10 | 4.00 | 8.00 | 2.00 | 3.00 | 81.00 |
| July | 608.90 | 30.00 | 180.00 | 180.00 | 159.90 | 11.00 | 2.00 | 7.00 | 2.00 | 37.00 |
| August | 822.60 | ---------- | 300.00 | 300.00 | 115.60 | 16.00 | 29.00 | 11.00 | 2.00 | 49.00 |
| September | 524.00 | ---------- | 160.00 | 160.00 | 71.00 | 9.00 | 27.00 | 21.00 | 4.00 | 72.00 |
| October | 831.00 | ---------- | 340.00 | 345.00 | 38.00 | 12.00 | 7.00 | 4.00 | 3.00 | 82.00 |
| November | 579.00 | ---------- | 210.00 | 210.00 | 23.00 | 6.00 | 11.00 | 21.00 | ---------- | 98.00 |
| December | 719.00 | 70.00 | 170.00 | 170.00 | 213.00 | 13.00 | 9.00 | 17.00 | 5.00 | 52.00 |
| Totals | $7,764.80 | $450.00 | $2,370.00 | $2,400.00 | $1,456.80 | $93.00 | $119.00 | $120.00 | $42.00 | $714.00 |
| Balance from 1920 | 5,547.16 | | | | | | | | | |
| Grand totals | $20,891.55 | $580.00 | $4,780.00 | $4,605.00 | $2,799.39 | $302.00 | $278.00 | $248.00 | $126.00 | $1,626.00 |

## GENERAL STATEMENT FOR 1921-1922

| | | | |
|---|---|---|---|
| Held for 1920: | | Deposited with State Treasurer, 1921 | $5,039.59 |
| For recording certificates | $4,617.16 | Paid for publications, 1921 | 2,670.00 |
| For publication fees | 160.00 | Paid for refunds account publications, 1921 | 230.00 |
| Fees collected, 1921 | 7,579.59 | Deposited with State Treasurer, 1922 | 4,944.80 |
| Fees collected, 1922 | 7,764.80 | Paid for publications, 1922 | 2,020.00 |
| | | Paid for refunds account publications, 1922 | 250.00 |
| | | Paid for recording certificates and transfer to General Fund, 1922 | 40.00 |
| | | Balance held January 1, 1923: | |
| | | For publications $540.00 | |
| | | For recording certificates 5,157.16 | |
| | | | 5,697.16 |
| Totals | $20,891.55 | Totals | $20,891.55 |

**Segregated Expenditures from Appropriation for Support of Cooperative Water Resource Branch, United States Geological Survey**

| Month | Appropriated by Legislature | Traveling expense | Salaries | General expense | Equipment | Totals |
|---|---|---|---|---|---|---|
| *1921* | | | | | | |
| January | $5,000.00 | | | | | |
| February | | | | | | |
| March | | $51.99 | $286.00 | $15.00 | | $352.99 |
| April | | 45.40 | | | | 45.40 |
| May | | 166.19 | | 8.10 | $31.28 | 205.57 |
| June | | 136.17 | 442.46 | 6.60 | 6.75 | 591.98 |
| July | | 64.58 | | 13.23 | | 77.81 |
| August | | 147.61 | | | | 147.61 |
| September | | 6.42 | 414.75 | 15.00 | | 436.17 |
| October | | 170.54 | 86.49 | 17.50 | 27.09 | 301.62 |
| November | | 75.79 | 130.00 | 10.00 | 4.50 | 220.29 |
| December | | 39.13 | 334.13 | 15.00 | | 388.26 |
| Totals | $5,000.00 | $903.72 | $1,693.83 | $100.43 | $69.62 | $2,767.00 |
| *1922* | | | | | | |
| January | | $102.19 | $78.63 | $5.00 | | $185.82 |
| February | | 166.98 | | | | 166.98 |
| March | | | 148.54 | | | 148.54 |
| April | | 222.04 | | 15.00 | | 237.04 |
| May | | 16.67 | | 14.00 | $501.16 | 531.83 |
| June | | 9.35 | 310.50 | 5.00 | | 324.85 |
| July | | 105.68 | 199.78 | 11.58 | 6.25 | 323.29 |
| August | | 1.80 | 17.50 | 15.00 | | 34.30 |
| September | | | 155.00 | | | 155.00 |
| October | | 18.65 | | 34.00 | | 52.65 |
| November | | 5.00 | | 5.00 | | 10.00 |
| December | | 13.10 | 34.00 | 15.00 | | 62.10 |
| Totals | | $661.46 | $943.95 | $119.58 | $507.41 | $2,232.40 |
| Grand totals | $5,000.00 | $1,565.18 | $2,637.78 | $220.01 | $577.03 | $5,000.00 |

## Segregated Expenditures from Appropriation for Support of Adjudication Expenses

| Month | Appropriated by Legislature | Traveling expense | Salaries | General expense | Stationery | Equipment | Extraordinary | Totals |
|---|---|---|---|---|---|---|---|---|
| *1921* | | | | | | | | |
| January | $20,000.00 | | | | | | | |
| February | | | | | | | | |
| March | | $713.84 | $2,224.55 | $108.95 | $33.65 | $1,003.00 | | $4,083.09 |
| April | | 585.17 | 1,031.67 | 37.41 | 7.45 | 63.36 | | 1,725.06 |
| May | | 407.81 | 2,161.00 | 65.71 | 20.49 | 7.65 | | 2,662.66 |
| June | | 458.86 | 1,358.00 | 39.24 | 65.51 | | | 1,921.61 |
| July | | 846.12 | 1,075.00 | 16.04 | 38.00 | | $10.00 | 1,985.16 |
| August | | 318.37 | 1,338.00 | 15.60 | 1.50 | 1.50 | | 1,674.97 |
| September | | 548.98 | 1,476.10 | 11.30 | 100.78 | | | 2,137.16 |
| October | | 1,006.49 | 1,025.00 | 31.12 | 42.59 | 2.50 | | 2,107.70 |
| November | | 287.63 | 1,400.00 | 5.53 | 7.53 | | | 1,700.69 |
| December | | | | | 1.00 | | | 1.00 |
| Totals | $20,000.00 | $5,173.27 | $13,089.32 | $330.90 | $318.50 | $1,078.01 | $10.00 | $20,000.00 |

## Segregated Expenditures from Appropriation for Support of Cooperative Snow Survey

| Month | Appropriated by Legislature | Traveling expense | Salaries | General expense | Stationery | Equipment | Totals |
|---|---|---|---|---|---|---|---|
| *1921* | | | | | | | |
| January | $1,500.00 | | | | | | |
| February | | | | | | | |
| March | | $53.36 | $277.20 | $15.49 | $2.65 | $206.61 | $555.31 |
| April | | | 56.50 | 10.39 | 5.65 | 28.01 | 100.55 |
| May | | | 10.00 | 19.80 | 21.04 | 1.50 | 52.34 |
| June | | | | | | | |
| July | | | | | | | |
| August | | | 20.35 | 14.50 | 5.84 | | 40.69 |
| September | | | | | | | |
| October | | | | | | | |
| November | | | | | | | |
| December | | 37.94 | 32.50 | 35.92 | | 3.00 | 109.36 |
| Totals | $1,500.00 | $91.30 | $396.55 | $96.10 | $35.18 | $239.12 | $858.25 |
| *1922* | | | | | | | |
| January | | | | | | | |
| February | | | | | | | |
| March | | | | | | | |
| April | | $61.82 | $261.50 | $90.38 | $8.35 | $10.60 | $432.65 |
| May | | 5.00 | 13.25 | 9.42 | 43.31 | | 70.98 |
| June | | | 27.20 | 33.40 | 39.14 | | 99.74 |
| July | | | | | | | |
| August | | | | | | | |
| September | | | | | | | |
| October | | | | | | | |
| November | | | | | | | |
| December | | | 30.00 | | 8.38 | | 38.38 |
| Totals | | $66.82 | $331.95 | $133.20 | $99.18 | $10.60 | $641.75 |
| Grand totals | $1,500.00 | $158.12 | $728.50 | $229.30 | $134.36 | $249.72 | $1,500.00 |

## Segregated Expenditures from Appropriation for Support of Colorado River Commission

| Month | Appropriated by Legislature | Traveling expense | Salaries | General expense | Equipment | Totals |
|---|---|---|---|---|---|---|
| *1921* | | | | | | |
| January | $5,000.00 | | | | | |
| February | | | | | | |
| March | | | | | | |
| April | | | | | | |
| May | | $510.75 | $360.00 | $5.63 | | $876.38 |
| June | | 283.94 | 10.00 | .73 | $10.00 | 304.67 |
| July | | 235.37 | 280.00 | 3.91 | | 519.28 |
| August | | 234.32 | 170.00 | 5.32 | | 409.64 |
| September | | 30.40 | 20.00 | | | 50.40 |
| October | | | | | | |
| November | | | | | | |
| December | | 212.83 | 90.00 | | | 302.83 |
| Totals | $5,000.00 | $1,507.61 | $930.00 | $15.59 | $10.00 | $2,463.20 |
| *1922* | | | | | | |
| January | | $393.82 | | $2.60 | | $396.42 |
| February | | | | | | |
| March | | 736.28 | $210.00 | 13.19 | | 959.47 |
| April | | 44.49 | | | | 44.49 |
| May | | | | | | |
| June | | | | | | |
| July | | | | | | |
| August | | | | | | |
| September | | | | | | |
| October | | | | | | |
| November | | | | | | |
| December | | 553.92 | 580.00 | 1.87 | | 1,135.79 |
| Unexpended balance December 31, 1922 | | | | | | .63 |
| Totals | | $1,728.51 | $790.00 | $17.66 | | $2,536.80 |
| Grand totals | $5,000.00 | $3,236.12 | $1,720.00 | $33.25 | $10.00 | $5,000.00 |

**Segregated Expenditures from Appropriation for Support of Owyhee River Commission**

| Month | Appropriated by Legislature | Traveling expense | Salaries | General expense | Equipment | Stationery | Totals |
|---|---|---|---|---|---|---|---|
| *1921* | | | | | | | |
| January | $2,500.00 | | | | | | |
| February | | | | | | | |
| March | | | | | | | |
| April | | | | | $175.75 | | $175.75 |
| May | | $171.65 | $100.00 | $5.02 | | | 276.67 |
| June | | 34.25 | 88.00 | 13.95 | 175.70 | | 311.90 |
| July | | | | | | | |
| August | | 51.31 | | .78 | | | 52.09 |
| September | | 36.25 | 392.08 | | | | 428.33 |
| October | | | | | | | |
| November | | | | 14.87 | | | 14.87 |
| December | | | | | | | |
| Totals | $2,500.00 | $293.46 | $580.08 | $34.62 | $351.45 | | $1,259.61 |
| *1922* | | | | | | | |
| January | | | | | | | |
| February | | | | | | | |
| March | | | | | | | |
| April | | | | | | | |
| May | | | | | | | |
| June | | $313.39 | $600.00 | $6.11 | | | $919.50 |
| July | | 70.10 | 250.00 | | | $0.79 | 320.89 |
| August | | | | | | | |
| September | | | | | | | |
| October | | | | | | | |
| November | | | | | | | |
| December | | | | | | | |
| Totals | | $383.49 | $850.00 | $6.11 | | $0.79 | $1,240.39 |
| Grand totals | $2,500.00 | $676.95 | $1,430.08 | $40.73 | $351.45 | $0.79 | $2,500.00 |

## PROOFS OF APPROPRIATION OF WATER FILED DURING THE YEAR 1921

| *No.* | *Name of Appropriator and Source of Appropriation* | *Amount Claimed* | *Purpose of Appropriation* |
|---|---|---|---|
| 01751 | Wm. Robinson, Main Spring and snow water | 297.00 acre-feet | Irrigation and Domestic |
| 01752 | C. V. Cole, Upper Craw Creek and Tributaries | 51.00 acre-feet | Irrigation and Domestic |
| 01753 | F. C. Springmeyer, East Fork of Carson River | 126.12 acre-feet | Irrigation and Domestic |
| 01754 | Handley Bros., Handley Springs No. 1 | 1.00 c.f.s. | Stock watering |
| 01755 | Handley Bros., Handley Springs No. 2 | 0.15 c.f.s. | Stock watering |
| 01756 | Handley Bros., Handley Springs No. 3 | 1.00 c.f.s. | Stock watering |
| 01757 | H. F. Powell, Fiddler's Green Spring No. 1 | 0.625 c.f.s. | Stock watering |
| 01758 | H. F. Powell, Fiddler's Green Spring No. 2 | 0.61 c.f.s. | Stock watering |
| 01759 | H. F. Powell, Cottonwood Creek | 191.00 acre-feet | Irrigation and Domestic |
| 01760 | E. D. Halstead, Duckwater Creek | 7.00 c.f.s. | Irrigation and Domestic |
| 01761 | John Lusetti, Lusetti Springs | | Irrigation and Domestic |
| 01762 | Daniel Galica, Rock Creek | 713.82 acre-feet | Irrigation and Domestic |
| 01763 | W. F. Mendes, Duckwater Creek | 1,731.76 acre-feet | Irrigation and Domestic |
| 01764 | Adams-McGill Co., Bipont Creek | | Irrigation and Domestic |
| 01765 | Mary A. Castles, Hiko Spring | 112.80 acre-feet | Irrigation and Domestic |
| 01766 | Mrs. Margaret J. Brown, Spring Canyon Creek | 1.00 c.f.s. | Irrigation and Domestic |
| 01767 | Rosie Kluesy, Harmony Canyon Creek | 260.40 acre-feet | Irrigation and Domestic |
| 01768 | Norman DeVaux, McFall Creek | 136.80 acre-feet | Irrigation and Domestic |
| 01769 | Maurice Pieretti, Cottonwood Creek | 0.91 c.f.s. | Irrigation and Domestic |
| 01770 | E. A. and F. Henroid, Main Grass Valley Gulch | 0.02 c.f.s. | Stock watering |
| 01771 | E. A. and F. Henroid, Springs at lower end of South Fork of Grass Valley | 0.02 c.f.s. | Stock watering |
| 01772 | E. A. and F. Henroid, Middle Fork of Grass Valley | 0.02 c.f.s. | Stock watering |
| 01773 | E. A. and F. Henroid, North Fork of Grass Valley Gulch | 0.02 c.f.s. | Stock watering |
| 01774 | E. A. and F. Henroid, Springs at head of South Fork of Grass Valley | 0.02 c.f.s. | Stock watering |
| 01775 | Santas Preciado, Cherry Creek | 26.70 acre-feet | Irrigation and Domestic |

Note—In every case the term "Domestic Use" includes stock watering when it is considered under an application for water for irrigation. In other cases the application is made for water exclusively for "stock watering."

## PROOFS OF APPROPRIATION OF WATER FILED DURING THE YEAR 1922

| *No.* | *Name of Appropriator and Source of Appropriation* | *Amount Claimed* | *Purpose of Appropriation* |
|---|---|---|---|
| 01776 | Albert Rosenlund, Grouse Spring | 0.20 c.f.s. | Stock watering |
| 01777 | Albert Rosenlund, Skull Spring | 0.20 c.f.s. | Stock watering |
| 01778 | Albert Rosenlund, Dolan's Trap Spring | 0.20 c.f.s. | Stock watering |
| 01779 | Albert Rosenlund, Upper Spring, Gulch Springs 1, 2, 3 | 0.20 c.f.s. | Stock watering |
| 01780 | Albert Rosenlund, Upper Long Gulch Spring | 0.20 c.f.s. | Stock watering |
| 01781 | Albert Rosenlund, Cold Spring | 0.20 c.f.s. | Stock watering |
| 01782 | Albert Rosenlund, Side Hill Spring | 0.20 c.f.s. | Stock watering |
| 01783 | Albert Rosenlund, Basin Spring | 0.20 c.f.s. | Stock watering |
| 01784 | Albert Rosenlund, Cottonwood Spring | 0.20 c.f.s. | Stock watering |
| 01785 | Albert Rosenlund, Cherry Spring | 0.20 c.f.s. | Stock watering |
| 01786 | Adams-McGill Co., Antelope Spring | 0.10 c.f.s. | Stock watering |
| 01787 | Alex J Mackie, Geo. Roger's Spring | 0.025 c.f.s. | Stock watering |
| 01788 | Mary E. Wright, Hiko Spring | 68.00 acre-feet | Irrigation and Domestic |
| 01789 | J. L. Sharp, Ash Spring | 300.00 acre-feet | Irrigation and Domestic |
| 01790 | Adams-McGill Co., Second Sawmill Spring | 0.10 c.f.s. | Irrigation and Domestic |
| 01791 | Adams-McGill Co., Third Sawmill Spring | 0.10 c.f.s. | Irrigation and Domestic |
| 01792 | Adams-McGill Co., First Sawmill Spring | 0.10 c.f.s. | Irrigation and Domestic |
| 01793 | Gardner Ranch Co., Ash Spring | 1.00 c.f.s. | Irrigation and Domestic |
| 01794 | Gardner Ranch Co., Crystal Spring | 919.60 acre-feet | Irrigation and Domestic |
| 01795 | Mrs. Paul Sucetti, Flat Nose Creek | 108.00 acre-feet | Irrigation and Domestic |
| 01796 | G. Edgar Nesbitt, Hiko Spring | 463.97 acre-feet | Irrigation and Domestic |
| 01797 | James Castles, Hiko Spring | 30.90 acre-feet | Irrigation and Domestic |
| 01798 | M. F. Schofield, W. V. Schofield, W. J. Schofield, Hiko Spring | 834.00 acre-feet | Irrigation and Domestic |
| 01799 | Wm. P. Thorne, Ash Spring Creek | 45.60 acre-feet | Irrigation and Domestic |
| 01800 | Kate W. Cockrill, Garden Valley Creek and Springs | 3633.93 acre-feet | Irrigation |
| 01801 | Kate W. Cockrill, Shipley or Pete Hanson Creek and Spring | 367.20 acre-feet | Irrigation |
| 01802 | Alamo Irrigation Co., Ash Springs Creek | 2450.40 acre-feet | Irrigation |
| 01803 | James Ryan, Clover Creek | 75.00 acre-feet | Irrigation |
| 01804 | Adams-McGill Co., Roadside Spring | 1-40 c.f.s. | Stock |
| 01805 | Adams-McGill Co., White Spring | 1-10 c.f.s. | Stock |
| 01806 | A. Indermuhl, American Flat Creek | 3.00 acre-feet | Irrigation |

## NEW AND AMENDED PROOFS OF APPROPRIATION FILED DURING THE YEARS 1921 AND 1922 ON THE HUMBOLDT RIVER AND ITS TRIBUTARIES

| *No.* | *Name of Appropriator and Source of Appropriation* | *Acres Claimed* | *Purpose of Appropriation* |
|---|---|---|---|
| 00117 | Mary G. Rose, Humboldt River | 71.09 | Irrigation and Domestic |
| 00132A | Estate of Henry Bain, Rock Creek | 106.66 | Irrigation and Domestic |
| 00133 | A. E. Kent & Co., Inc., Rock Creek | 150.00 | Irrigation and Domestic |
| 00151A | Ellison Ranching Co., Humboldt River | 4043.97 | Irrigation and Domestic |
| 00151A | A. E. Kent & Co., Inc., Humboldt River | 1417.50 | Irrigation and Domestic |
| 00168A | George B. Williams, Humboldt River | 59.28 | Irrigation and Domestic |
| 00173 | Ike Erickson, Humboldt River | 40.00 | Irrigation and Domestic |
| 00174 | Geo. Heard, Humboldt River | 156.88 | Irrigation and Domestic |
| 00175 | Garat & Co., Humboldt River | 104.05 | Irrigation and Domestic |
| 00176 | Lulu K. Burch, Humboldt River | 317.22 | Irrigation and Domestic |
| 00222A | Christene Glaser, Humboldt River | 1242.72 | Irrigation and Domestic |
| 00308 | George Goodfellow, Pony Creek | 305.30 | Irrigation and Domestic |
| 00320 | Griswold-Henderson Land and Livestock Co., Stoffer Creek | 66.10 | Irrigation and Domestic |
| 00461 | Gabriel Rossi, Rabbit Creek | 302.00 | Irrigation and Domestic |
| 00501A | Geo. W. Byers, Spring Canyon Creek and Springs | 50.20 | Irrigation and Domestic |
| 00600 | Frank J. Brennen, Cottonwood Creek and Springs | 45.46 | Irrigation and Domestic |
| 00685 | E. Dotta, Smith Creek | 248.70 | Irrigation and Domestic |
| 00687 | Albert Lomori, South Fork Humboldt River | 25.00 | Irrigation and Domestic |

## CERTIFICATES ISSUED UNDER PROOFS OF APPROPRIATIONS DURING 1921 AND 1922

| *Cert. No.* | *Book No.* | *Proof No.* | *Name and Source* | *Purpose* | *Amount* | *Date Issued* |
|---|---|---|---|---|---|---|
| 246 | 2 | 01638 | John Lawton Butler, Currant Creek | Irrigation | 4.00 c.f.s. | 10 30 22 |
| 247 | 2 | 01642 | George A. Manson, Currant Creek | Irrigation | 2.00 c.f.s. | 10 30 22 |
| 248 | 2 | 01641 | J. W. Manson, Currant Creek | Irrigation | 5-6 c.f.s. | 10 30 22 |
| 249 | 2 | 01640 | H. F. Rutherford, Currant Creek | Irrigation | 1 1-6 c.f.s. | 10 30 22 |
| 250 | 2 | 01647 | Cazier Bros., Currant Creek | Irrigation | 2.00 c.f.s. | 10 30 22 |
| 251 | 2 | 01321 | Liotard Land and Livestock Co., Clear Creek | Irrigation | 5.72 c.f.s. | 10 30 22 |
| 252 | 2 | 01523 | J. Sheehan and Charles Farrell, Clear Creek | Irrigation | 1.90 c.f.s. | 10 30 22 |
| 253 | 2 | 01107 | Estate of Harriet Guthrie, Clear Creek | Irrigation | 1.94 c.f.s. | 10 30 22 |
| 254 | 2 | 01523 | J. Sheehan and Charles Farrell, Clear Creek | Irrigation | 3.95 c.f.s. | 10 30 22 |
| 255 | 2 | 01107 | Estate of Harriet Guthrie, Clear Creek | Irrigation | 3.12 c.f.s. | 10 30 22 |
| 256 | 2 | 01107 | Estate of Harriet Guthrie, Clear Creek | Irrigation | 4.13 c.f.s. | 10 30 22 |

## STATUS OF APPLICATIONS FILED DURING 1921

| Serial No. | Date of filing | Applicant and Source | Purpose | Action on application | Amount in c.f.s. | Permit action |
|---|---|---|---|---|---|---|
| 6367 | 1 3 21 | John H. Carter, Reinhart Spring | Stock | App 7 20 22 | 1.0 | |
| 6368 | 1 3 21 | Mary M. Storff, Sheridan Creek | Irrigation | App 8 6 21 | 3.2 | |
| 6369 | 1 6 21 | Handley Bros., Rye Patch Well | Stock | App 7 22 21 | 0.018 | |
| 6370 | 1 6 21 | Handley Bros., Dry Mountain Well | Stock | App 12 18 22 | 0.031 | |
| 6371 | 1 7 21 | Sam T. Bentley and Chas. G. Alridge, Deadman Gulch | Irrigation | App 7 1 21 | 1.0 | |
| 6372 | 1 10 21 | Sam and Guy Tidball, Willow Creek | Irrigation-Stock | Can 5 26 21 | | |
| 6373 | 1 3 21 | Liotard Land & Livestock Co., Clear Creek | Irrigation | | | |
| 6374 | 1 14 21 | J. W. McGuffie and H. M. Reece, Cottonwood Springs | Stock | App 7 7 21 | 0.025 | |
| 6375 | 1 14 21 | J. W. McGuffie and H. M. Reece, Cottonwood Springs | Stock | App 7 7 21 | 0.025 | |
| 6376 | 1 15 21 | Vernon Jeffcott, Willow Spring | Stock | | | |
| 6377 | 1 17 21 | James Dahl, Willow Spring | Mining | App 5 9 22 | 3.0 | |
| 6378 | 1 18 21 | Louis Heitman, Fairview or Luther Creek | Irrigation | | | |
| 6379 | 1 18 21 | Morton E. Pratt, Springs in Dun Glen Canyon | Mining | | | |
| 6380 | 1 19 21 | George W. Nelson, Lenchs Hot Springs | Irrigation-Stock | | | |
| 6381 | 1 19 21 | Gracianna Laborde, Cottonwood Creek | Irrigation-Stock | | | |
| 6382 | 1 19 21 | Gracianna Laborde, Reese River | Irrigation-Stock | | | |
| 6383 | 1 22 21 | I. M. Henseley, Hot Springs | Irrigation | | | |
| 6384 | 1 24 21 | John Delfs, Twin Spring | Stock | Den 7 10 22 | | |
| 6385 | 1 24 21 | John Delfs, Topopah Spring | Stock | App 4 18 21 | 0.003 | |
| 6386 | 1 24 21 | John Delfs, Lost Spring | Stock | App 4 18 21 | 0.003 | |
| 6387 | 1 25 21 | Anna B. Reed, Forest Spring | Irrigation | | | |
| 6388 | 1 28 21 | W. E. Sorles and LeRoy Linsea, Hot Springs | Irrigation-Stock | | | |
| 6389 | 1 31 21 | Mattio Cappela, Road Canyon | Irrigation-Stock | | | |
| 6390 | 1 31 21 | Mattio Cappela, Baxter Creek | Irrigation-Stock | | | |
| 6391 | 1 31 21 | Fred Schumacher, Baker Creek | Power | | | |
| 6392 | 1 31 21 | Emery E. Garret, Willow Creek | Irrigation | App. 7 1 21 | 1.0 | |
| 6393 | 2 4 21 | Maynard Irrigation Co, Winter Water | Irrigation | | | |
| 6394 | 2 4 21 | A. E. Place, Fairbanks Spring | Manufacturing | App 5 8 22 | 2.0 | |
| 6395 | 2 4 21 | Julius R. Caynor, South Fork of Twin Spring | Milling | App 7 1 21 | 11.0 | |
| 6396 | 2 5 21 | William Hirsig and P. S. Austin, Carson Spring | Mining | App 6 23 21 | 0.1 | |
| 6397 | 2 5 21 | Mrs. Daniels Larios, Cow Creek | Irrigation | App 5 7 21 | 1.6 | |
| 6398 | 2 5 21 | Mrs. Daniels Larios, Corral Creek | Irrigation | App 5 7 21 | 1.6 | |
| 6399 | 2 10 21 | Joe Yragui, Cherry Springs | Irrigation-Stock | Den 3 24 22 | | |
| 6400 | 2 14 21 | Edward W. Mollart, Artesian and underground waters | Irrigation | | | |
| 6401 | 2 14 21 | Edward W. Mollart, Artesian and underground waters | Irrigation | | | |
| 6402 | 2 17 21 | Lyon County Drainage District No. 1, Underground waters | Irrigation | Can 5 26 21 | | |
| 6403 | 2 17 21 | Marion Williamson, First Creek | Irrigation | App 9 21 22 | 0.015 | |
| 6404 | 2 21 21 | Elton Cooley, Upper Spring Gulch Springs 1, 2, 3 | Irrigation | | | |
| 6405 | 2 24 21 | John I Guthrie, Leach's Hot springs | Irrigation | | | |
| 6406 | 2 24 21 | Nevada Fire Insurance Co., Blue Point Spring | Irrigation-Stock | | | |
| 6407 | 2 25 21 | Mrs. M. M. High, Potato Canyon Water System | Irrigation | App 11 3 21 | 0.4 | |
| 6408 | 2 26 21 | C. B. Brown, South Fork Owyhee River | Irrigation | Can 5 26 21 | | |
| 6409 | 2 28 21 | J. C. Wheley, Carico Creek | Irrigation | App 1 17 22 | 2.0 | |
| 6410 | 3 1 21 | W. F. Dressler, Dressler Spring, No. 1 | Not given | Can 5 26 21 | | |
| 6411 | 3 1 21 | W. F. Dressler, Dressler Spring, No. 2 | Not given | Can 5 26 21 | | |
| 6412 | 3 1 21 | W. F. Dressler, Dressler Spring, No. 3 | Stock | App 8 8 22 | 0.025 | |
| 6413 | 3 1 21 | W. F. Dressler, Dressler Spring, No. 1 | Stock | App 8 8 22 | 0.025 | |
| 6414 | 3 4 21 | Austin J. Nugent, Artesian and Underground waters | Irrigation | | | |
| 6415 | 3 4 21 | George M. Deveraux, Artesian and Underground | Irrigation | | | |

STATUS OF APPLICATIONS FILED DURING 1921—*Continued*

| Serial No. | Date of filing | Applicant and Source | Purpose | Action on application | Amount in c.f.s. | Permit action |
|---|---|---|---|---|---|---|
| 6416 | 3 4 21 | Patrick H. Lowny, Artesian and Underground | Irrigation | | | |
| 6417 | 3 4 21 | Joseph B. Meyertholen, Artesian and Underground | Irrigation | | | |
| 6418 | 3 7 21 | Rena K. Sain, Meadow Valley Wash | Irrigation | | | |
| 6419 | 3 9 21 | George Baldwin, Muddy River | Irrigation | | | |
| 6420 | 3 16 21 | Frank C. Strango, Lamoille Creek | Irrigation | App 11 19 21 | 0.3 | |
| 6421 | 3 17 21 | Andrew Westlund, Snell Creek | Irrigation | | | |
| 6422 | 3 17 21 | John R. and C. S. Hewitt, Flood Waters of Meadow Valley Wash | Irrigation | | | |
| 6423 | 3 17 21 | Betty O'Neal Mines, Betty Spring | Mining | Can 5 26 21 | | |
| 6424 | 3 18 21 | Joseph B. Meyertholen, Artesian and Underground | Irrigation | | | |
| 6425 | 3 21 21 | George H. Lytle and George Platt, Gourd Spring | Stock | App 5 9 22 | 0.0015 | |
| 6426 | 3 28 21 | Ramon Montero and Michel Bidart, Leonard Spring | Irrigation-Stock | | | |
| 6427 | 3 28 21 | Edward S. Johnson, Unnamed Spring | Domestic | App 7 5 21 | 0.025 | |
| 6428 | 3 29 21 | J. R. Schulz, Clear Creek | Irrigation-Stock | | | |
| 6429 | 3 31 21 | Wm. Stock Farming Co., Little Humboldt River | Irrigation-Stock | | | |
| 6430 | 3 31 21 | H. Van den Heuvel, Willow Creek | Power & Irrigation | | | |
| 6431 | 4 4 21 | Jno. H. Cazier and Sons Co., Trout Creek | Power | | | |
| 6432 | 4 6 21 | Nevada Silver Horn Mining Co., Scotty Spring | Mining & Milling | App 9 11 22 | 0.5 | |
| 6433 | 4 9 21 | M. C. Hamblen, Cottonwood Spring | Irrigation | | | |
| 6434 | 4 18 21 | George Platt, Abe's Spring | Stock | App 5 9 22 | 0.001 | |
| 6435 | 4 18 21 | George H. Lytle and George Platt, Badger Spring | Stock | App 5 9 22 | 0.001 | |
| 6436 | 4 18 21 | George H. Lytle and George Platt, New Spring | Stock | App 5 9 22 | 0.001 | |
| 6437 | 4 18 21 | George H. Lytle and George Platt, Summit Spring | Stock | App 5 9 22 | 0.001 | |
| 6438 | 4 20 21 | Samuel C. Cook, Unnamed Spring | Irrigation-Stock | | | |
| 6439 | 4 22 21 | Elsie E. Mulkey, North Fork Salmon River | Irrigation | Den 8 1 22 | | |
| 6440 | 4 22 21 | Elsie E. Mulkey, Unnamed Spring | Irrigation | Den 8 1 22 | | |
| 6441 | 4 22 21 | Seth D. Mulkey, North Fork Cottonwood Creek | Irrigation | App 11 7 21 | 1.20 | |
| 6442 | 4 22 21 | Seth D. Mulkey, Cottonwood Spring | Irrigation | App 11 7 21 | 1.20 | |
| 6443 | 4 23 21 | George Plummer, Underground water | Irrigation | | | |
| 6444 | 4 23 21 | George W. and Bryan S. Robinson, Mud Springs | Stock | | | |
| 6445 | 4 23 21 | George W. & Bryan S. Robinson, Dry Gulch Spring | Stock | | | |
| 6446 | 4 27 21 | Ed. Malley, Lincoln Creek and Tribs | Town Supply | | | |
| 6447 | 4 27 21 | Mrs. C. W. Newman and Asa M. Cline, German Springs | Stock | | | |
| 6448 | 4 30 21 | Lewis R. Ferrson, Small Brook | Irrigation | | | |
| 6449 | 4 30 21 | James H. Wright, Franklin River | Irrigation | | | |
| 6450 | 4 30 21 | Earl F. Wright, Wolverton Spring Creek | Irrigation | | | |
| 6451 | 5 2 21 | Hanford B. Bolton, Segundy Creek | Irrigation | | | |
| 6452 | 5 4 21 | George Changos, Seepage | Irrigation | | | |
| 6453 | 5 4 21 | M. L. Miller, Jones Creek | Irrigation | | | |
| 6454 | 5 5 21 | W. E. Brodie, Fox Spring | Mining & Stock | App 4 4 22 | 0.05 | |
| 6455 | 5 6 21 | Glynn Hart, Annie Spring | Irrigation | App 6 10 22 | 0.4 | |
| 6456 | 5 7 21 | W. G. Lee, Trout Creek | Irrigation | App 10 6 22 | 2.0 | |
| 6457 | 5 12 21 | Charles H. Fox, Boulder Creek | Irrigation | | | |
| 6458 | 5 12 21 | Clarence A. Chapman, West Fork of Say Canyon Creek | Irrigation | Wdn 4 4 22 | | |
| 6459 | 5 12 21 | Clarence A. Chapman, East Fork of Say Canyon Creek | Irrigation | App 4 4 22 | 0.5 | |
| 6460 | 5 14 21 | George H. Moran, Hot Springs | Irrigation | | | |
| 6461 | 5 16 21 | Jorgen C. Jorgensen, Artesian and Underground | Irrigation | | | |
| 6462 | 5 16 21 | Paul H. Dory, Virgus Creek and Ox Creek | Irrigation | App 1 16 22 | 1.2 | |
| 6463 | 5 16 21 | Henry J. Jones, Cat Creek | Irrigation | App 8 31 22 | 1.4 | |
| 6464 | 5 16 21 | Lester Lavern Pierce, Unknown Spring | Irrigation | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 6465 | 5 16 21 | F. W. Simpson, Washoe Lake Swamp | Irrigation | | | | |
| 6466 | 5 17 21 | Gus Marks, Little Mud Spring | Irrigation | | | | |
| 6467 | 5 23 21 | Ralph A. Drown, Lee Creek | Irrigation | | | | |
| 6468 | 5 23 21 | Bertha A. Johnston, Walker River | Irrigation | | | | |
| 6469 | 5 24 21 | R. H. Cowles, Last Chance Creek | Irrigation-Stock | App | 8 16 22 | 0.15 | |
| 6470 | 5 24 21 | R. H. Cowles, Betty Creek | Irrigation-Stock | App | 8 16 22 | 0.15 | |
| 6471 | 5 24 21 | R. H. Cowles, Little Meadow Creek | Irrigation-Stock | App | 8 16 22 | 0.15 | |
| 6472 | 5 24 21 | Dept. of Highways, Opair Creek | | Can | 11 22 21 | | |
| 6473 | 5 25 21 | Frank Murphy, Willow Creek | Irrigation | App | 11 4 21 | 1.0 | |
| 6474 | 5 26 21 | H. Van den Heuvel, Brady Springs | Irrigation | App | 5 12 22 | 1.2 | |
| 6475 | 5 26 21 | H. Van den Heuvel, Owens Springs | Irrigation | | | | |
| 6476 | 5 26 21 | H. Van den Heuvel, MacFarland Springs | Irrigation | | | | |
| 6477 | 5 26 21 | H. Van den Heuvel, Stratton Springs | Irrigation | | | | |
| 6478 | 5 26 21 | H. Van den Heuvel, Sawmill Springs | Irrigation | App | 5 12 22 | 3.6 | |
| 6479 | 5 31 21 | Ulisse Saviozzi, Saviozzi Spring | Irrigation | App | 7 21 22 | 1.0 | |
| 6480 | 6 1 21 | R. H. Cowles, Missouri Spring | Irrigation-Stock | App | 10 16 22 | 0.15 | |
| 6481 | 6 3 21 | Lovina T. Bradley, Botho Creek | Irrigation | | | | |
| 6482 | 6 4 21 | Edward Goodale, Boulder Creek | Irrigation | | | | |
| 6483 | 6 6 21 | Theresa D'Aloisio, Luscetti Spring | Irrigation | App | 11 3 21 | 1.2 | |
| 6484 | 6 9 21 | Sylvain Siard, Pleasant Valley Creek | Power | | | | |
| 6485 | 6 10 21 | Mae M. Wholey, Carico Creek | Irrigation | App | 1 17 22 | 3.2 | |
| 6486 | 6 10 21 | Fravel Paymaster Mining Co., Unnamed Spring | Domestic | | | | |
| 6487 | 6 11 21 | John I. Wathen, Two Hill Canyon Spring | Irrigation | App | 12 6 22 | 0.1 | |
| 6488 | 6 14 21 | Edward Weiss and J. F. Vogel, Donnelly Creek | Irrigation-Stock | | | | |
| 6489 | 6 16 21 | Wade H. Parrish, Cliff Spring | Stock | | | | |
| 6490 | 6 16 21 | George W. Taylor, Dorsey Creek and Tribs. | Irrigation | | | | |
| 6491 | 6 20 21 | Alice McManus, Dorman Creek | Irrigation | App | 6 30 22 | 1.6 | |
| 6492 | 6 20 21 | Hafen and Frei Bros., White Rock Reservoir | Stock | App | 1 30 22 | 5.0 acre-feet | |
| 6493 | 6 20 21 | John Hafen and E. R. Frei, Cottonwood Creek | Irrigation | App | 1 30 22 | 1.0 | |
| 6494 | 6 22 21 | A. J. Mackie, Canyon Spring | Stock | | | | |
| 6495 | 6 22 21 | A. J. Mackie, Trail Spring | Stock | App | 1 30 22 | 0.015 | |
| 6496 | 6 22 21 | A. J. Mackie, Manzanita Spring | Stock | Wdn | 1 24 22 | | |
| 6497 | 6 22 21 | A. J. Mackie, Mustang Springs | Stock | App | 1 30 22 | 0.015 | |
| 6498 | 6 22 21 | A. J. Mackie, Sawmill Spring | Stock | App | 1 30 22 | 0.015 | |
| 6499 | 6 22 21 | M. G. Estes and H. H. Estes, Jr., Corral Canyon Creek | Irrigation | App | 1 16 22 | 3.2 | |
| 6500 | 6 25 21 | Mary F. Ardery and E. B. Yerington, Logan Shoals Creek | Domestic | | | | |
| 6501 | 6 25 21 | Mary F. Ardery and E. B. Yerington, Logan Shoals Creek | Town Supply | | | | |
| 6502 | 6 28 21 | A. Wellmunster, Long Valley Run-off | Irrigation | Den | 11 16 22 | | |
| 6503 | 6 30 21 | W. B. Robinson and Charlie Robinson, Lime-Rock Spring | Stock | App | 6 29 22 | 0.001 | |
| 6504 | 7 1 21 | Lyon County Drainage, District No. 1, Underground waters | Irrigation | | | | |
| 6505 | 7 9 21 | V. C. Gartin, Nell Creek | Irrigation-Stock | App | 4 11 22 | 1.6 | |
| 6506 | 7 11 21 | Ethel S. Henrie, Meadow Valley Wash | Irrigation | | | | |
| 6507 | 7 11 21 | Ethel S. Henrie, Meadow Valley Wash | Irrigation | | | | |
| 6508 | 7 13 21 | Earl Heath, Prospect Creek | Irrigation-Stock | App | 3 15 22 | 0.1 | |
| 6509 | 7 15 21 | Pedro Corta, Underwood Spring | Stock | | | | |
| 6510 | 7 15 21 | Pedro Corta, Middle Spring | Stock | | | | |
| 6511 | 7 15 21 | Pedro Corta, Pine Mountain Spring | Stock | | | | |
| 6512 | 7 15 21 | Pedro Corta, Fagin Spring | Stock | | | | |
| 6513 | 7 15 21 | Pedro Corta, Willow Spring | Stock | | | | |
| 6514 | 7 15 21 | Pedro Corta, Granite Spring | Stock | | | | |
| 6515 | 7 16 21 | Joseph Taylor, Dorsey Creek and Tribs. | Irrigation | | | | |
| 6516 | 7 16 21 | J. H. Durst, Clyde Springs | Mining | App | 1 17 22 | 1.0 | |
| 6517 | 7 16 21 | Robert Y. Reed, Deep Creek | Irrigation-Stock | | | | |

## Status of Applications Filed During 1921—*Continued*

| Serial No. | Date of filing | Applicant and Source | Purpose | Action on application | | Amount in c.f.s. | Permit action |
|---|---|---|---|---|---|---|---|
| 6518 | 7 18 21 | Oscar E. Smith, Smith Creek | Irrigation | App | 8 1 22 | 3.2 | |
| 6519 | 7 20 21 | N. H. Getchell, Gillman Springs | Mining & Milling | App | 1 16 22 | 1.0 | |
| 6520 | 7 20 21 | Gertrude H. Davies, White Slough | Irrigation | App | 1 14 22 | 4.8 | |
| 6521 | 7 22 21 | City of Los Angeles, Colorado River | Power | | | | |
| 6522 | 7 25 21 | W. A. Marsh and John F. Nay, Warm Springs | Stock | | | | |
| 6523 | 7 27 21 | S. Frank Wyckoff, Oak Spring | Mining | | | | |
| 6524 | 7 30 21 | Mrs. Theresa Frugoli, Carson River | Irrigation | | | | |
| 6525 | 8 1 21 | John A. Magnuson, Hill Side Spring | Stock | | | | |
| 6526 | 8 1 21 | John A. Magnuson, Varges Spring | Stock | | | | |
| 6527 | 8 1 21 | John A. Magnuson, Mud Spring | Stock | | | | |
| 6528 | 8 5 21 | Edward Schumacher, Schumacher Spring | Stock | App | 3 24 22 | 0.003 | P.B.U. |
| 6529 | 8 6 21 | F. C. Robins, Robins Spring | Mining | | | | |
| 6530 | 8 6 21 | W. B. Hamilton, Meadow Valley Wash | Irrigation | App | 7 20 22 | 1.5 | |
| 6531 | 8 6 21 | Ed. Malley, Beatty Springs | Power | | | | |
| 6532 | 8 8 21 | City of Los Angeles, Colorado River and Tribs. | Power | | | | |
| 6533 | 8 8 21 | Sheba Gold and Silver Mining Co., Star Creek and Tribs. | Mining & Milling | | | | |
| 6534 | 8 10 21 | T. H. Chatom and J. J. Vignolo, Homestake Well | Stock | | | | |
| 6535 | 8 10 21 | E. J. Brown, Big Horn Spring | Mining & Milling | Wdn | 5 22 22 | | |
| 6536 | 8 10 21 | Alex Mills, Mason Spring | Mining & Milling | App | 1 17 22 | 0.125 | |
| 6537 | 8 10 21 | Alex Mills, North Mason Spring | Mining & Milling | Den | 1 17 22 | | |
| 6538 | 8 11 21 | John E. Royce, Cherry Springs | Irrigation-Stock | | | | |
| 6539 | 8 15 21 | Archie Moore, Mud Springs | Irrigation | | | | |
| 6540 | 8 16 21 | Humboldt County Farm Bureau, Little Humboldt and E. Fork | Irrigation | | | | |
| 6541 | 8 15 21 | J. E. Sexton, Consolidated Spring | Manufacturing | | | | |
| 6542 | 8 15 21 | Jerome Etchegoyhen, Brown Springs | Stock | | | | |
| 6543 | 8 15 21 | Jerome Etchegoyhen, Soldier Springs | Irrigation | | | | |
| 6544 | 8 18 21 | Leslie Elmer Van Riper, Hanging Rock Creek | Irrigation | App | 3 30 22 | 0.6 | |
| 6545 | 8 24 21 | Olympus Mining and Milling Co., Unnamed Spring | Mining | | | | |
| 6546 | 2 24 21 | Olympus Mining and Milling Co., Unnamed Spring | Domestic | | | | |
| 6547 | 8 24 21 | Olympus Mining and Milling Co., Unnamed Spring | Domestic | | | | |
| 6548 | 8 24 21 | Harry L. Hill, Velvet Springs | Stock | App | 6 5 22 | 0.003 | |
| 6549 | 8 24 21 | J. M. Chiatovich, South Fork of Chiatovich Creek | Power | | | | |
| 6550 | 8 24 21 | J. M. Chiatovich, North Fork of Chiatovich Creek | Power | | | | |
| 6551 | 8 24 21 | Mary E. Wright, Hiko Spring | Irrigation | | | | |
| 6552 | 8 24 21 | C. I. Wadsworth and S. U. Stewart, Shingle Spring | Stock | Can | 2 21 22 | | |
| 6553 | 8 24 21 | C. I. Wadsworth and S. U. Stewart, Coyote Spring | Stock | Can | 2 21 22 | | |
| 6554 | 8 25 21 | Martin Hashquet, Olevia Well Spring | Stock | App | 12 15 22 | 0.001 | |
| 6555 | 8 25 21 | Minnie Cotant, Dam Gulch Creek | Irrigation | App | 7 20 22 | 0.8 | |
| 6556 | 8 26 21 | Leadville Mines Co., Leadville Spring | Mining & Milling | App | 6 6 22 | 0.25 | |
| 6557 | 8 29 21 | Dan Devaney, Rock Spring | Stock | | | | |
| 6558 | 9 1 21 | Bert Lyman, Meadow Valley Wash | Irrigation | | | | |
| 6559 | 9 5 21 | Pedro Ros, Pedro Ros Creek and Tribs. | Irrigation | Wdn | 12 6 21 | | |
| 6560 | 9 6 21 | Frank R. Garrison, Lower Gleason Springs | Irrigation | | | | |
| 6561 | 9 10 21 | Hans Lee, Indian Creek | Irrigation | | | | |
| 6562 | 9 14 21 | Preston Creamery Co., Preston Big Spring and Cold Spring | Power | | | | |
| 6563 | 9 16 21 | Nevada Clifford, Unnamed Spring | Mining | App | 8 10 22 | 0.5 | |
| 6564 | 9 19 21 | John Bradford, Sr., Bradford Springs | Irrigation | | | | |
| 6565 | 9 19 21 | Esther Daugherty, Sun Creek | Irrigation | App | 9 2 22 | 3.2 | |
| 6566 | 9 21 21 | Frederick B. Hussey, Mill Creek | Irrigation-Stock | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 6567 | 9 21 21 | Richard Lee, Wild Rose Spring | Stock | | | | | | |
| 6568 | 9 26 21 | Orville C. Finley, Garden Spring | Irrigation | | | | | | |
| 6569 | 9 26 21 | Edward Schumacher, Grassy Spring | Stock | App | 3 23 22 | 0.003 | | | P.B.U. |
| 6570 | 10 4 21 | Milton Damron, et al., Ox Valley Spring | Stock | App | 9 11 22 | 0.0075 | | | |
| 6571 | 10 6 21 | W. A. Sanger and W. H. Taylor, Mud Spring | Domestic | App | 7 6 22 | 0.025 | | | |
| 6572 | 10 7 21 | West End Consolidated Mining Co., Pepper Springs | Mining & Milling | App | 11 28 22 | 0.1 | | | |
| 6573 | 10 8 21 | Tom Etulian, Yragui Springs | Irrigation-Stock | | | | | | |
| 6574 | 10 15 21 | Oscar C. Scott, Sepp Spring | Stock | | | | | | |
| 6575 | 10 12 21 | H. W. Bruner, Cedar Spring | Mining & Milling | App | 9 2 22 | 2.0 | | | |
| 6576 | 10 13 21 | A. J. Mackie, Watershed of Pahroc and Boulder Range | Stock | App | 9 11 22 | 0.0125 | | | |
| 6577 | 10 15 21 | LeRoy C. Nelms and J. C. Walthers, Soldier Creek | Irrigation-Stock | | | | | | |
| 6578 | 10 21 21 | Gallant R. Brown, Ford Spring | Stock | | | | | | |
| 6579 | 10 26 21 | Charles Evans, Pratt and Forney Creeks and Springs | Irrigation | | | | | | |
| 6580 | 10 27 21 | Southern California Edison Co., Colorado River and Tribs. | Power | | | | | | |
| 6581 | 10 27 21 | Southern California Edison Co., Colorado River and Tributaries | Power | | | | | | |
| 6582 | 11 2 21 | D. D. Sabala, Sabala No. 6 Spring | Stock | | | | | | |
| 6583 | 11 3 21 | Walker River Irrigation District, Unnamed Spring | Irrigation | | | | | | |
| 6584 | 11 7 21 | Pedro Corta, Corta Well, No. 1 | Stock | App | 6 19 22 | 0.025 | | | |
| 6585 | 11 7 21 | Pedro Corta, Corta Well, No. 2 | Stock | | | | | | |
| 6586 | 11 9 21 | Harold Sandall, Genoa Creek | Power | Wdn | 12 13 21 | | | | |
| 6587 | 11 14 21 | Edward F. Lutts, Baxter Creek | Irrigation | App | 6 21 22 | 1.7 | | | |
| 6588 | 11 14 21 | Albert B. Meyers, Baxter Creek | Irrigation | App | 7 7 22 | 1.6 | | | |
| 6589 | 11 14 21 | Board of Fish and Game Commissioners of Nevada, Sprouse Creek | Fish Hatchery | App | 5 8 22 | 1.5 | | | |
| 6590 | 11 15 21 | G. E. Truett, Forney Creek | Irrigation | | | | | | |
| 6591 | 11 25 21 | Chas. Culverwell, Huntsman Spring | Stock | | | | | | |
| 6592 | 12 1 21 | Frank Dolan, Unnamed Spring | Irrigation | | | | | | |
| 6593 | 12 3 21 | O. C. Stewart, Desert Spring, No. 2 | Stock | Can | 2 21 22 | | | | |
| 6594 | 12 3 21 | O. C. Stewart, Desert Spring | Stock | Can | 2 21 22 | | | | |
| 6595 | 12 3 21 | Mrs. O. C. Stewart, Monte Cristo Spring | Stock | App | 7 21 22 | 0.009 | | | |
| 6596 | 12 3 21 | Mrs. O. C. Stewart, Howard Spring | Stock | App | 7 21 22 | 0.009 | | | |
| 6597 | 12 5 21 | Anastasio Landa, Chin Creek | Irrigation | | | | | | |
| 6598 | 12 5 21 | J. L. Whipple, King Well | Stock | Can | 2 21 22 | | | | |
| 6599 | 12 5 21 | D. D. Sabala, Sabala Springs, No. 7 | Stock | App | 6 16 22 | 0.0125 | | | |
| 6600 | 12 5 21 | D. D. Sabala, Sabala Springs, No. 8 | Stock | App | 6 16 22 | 0.015 | | | |
| 6601 | 12 9 21 | Caroline Walti, Underground Water | Irrigation | App | 6 26 22 | 1.6 | | | |
| 6602 | 12 12 21 | C. Baalman and Manuel Urrutia, Manuel Urrutia Spring | Stock | App | 7 6 22 | 0.018 | | | |
| 6603 | 12 15 21 | John Uhalde, Cedar Spring | Stock | | | | | | |
| 6604 | 12 15 21 | John Uhalde, Uhalde Well | Stock | | | | | | |
| 6605 | 12 15 21 | Henry S. Bohne, Baxter Creek | Irrigation | App | 6 29 22 | 3.6 | | | |
| 6606 | 12 22 21 | D. E. Quilici, Angel Lake and William Creek | Irrigation | | | | | | |
| 6607 | 12 29 21 | E. C. Murphy, et al., Telegraph Creek and Spring | Irrigation | | | | | | |

## STATUS OF APPLICATIONS FILED DURING 1922

| Serial No. | Date of filing | Applicant and Source | Purpose | Action on application | Amount in c.f.s. | Permit action |
|---|---|---|---|---|---|---|
| 6608 | 1 7 22 | Joseph May and Lumon Z. Shurtliff, Las Vegas Wash | Irrigation-Stock | App 8 16 22 | 0.92 | |
| 6609 | 1 9 22 | Gardner Ranch Co., Frenchy Lake | Irrigation | | | |
| 6610 | 1 9 22 | Gentile Georgetta, Cottonwood Springs | Stock | Can 3 22 22 | | |
| 6611 | 1 13 22 | Joseph J. Riffe, Buck Creek | Irrigation | | | |
| 6612 | 1 16 22 | James Castles, Hiko Spring | Irrigation | | | |
| 6613 | 1 16 22 | Alma Woods, Jack Rabbit Spring | Stock | Can 3 22 22 | | |
| 6614 | 1 17 22 | Tom Etulain, Buck Spring | Stock | | | |
| 6615 | 1 17 22 | Tom Etulain, Etulain Spring | Stock | | | |
| 6616 | 1 20 22 | Carl W. Stephens, Overflow of Cave Spring | Irrigation | | | |
| 6617 | 1 23 22 | Cecilia Paleni, Paleni Springs | Irrigation | | | |
| 6618 | 1 23 22 | Ida M. and Geo. M. Campbell, Geo. M. Campbell Springs | Irrigation | App 7 5 22 | 0.5 | |
| 6619 | 1 27 22 | A. J. Mackie, George Rogers Springs | Stock | | | |
| 6620 | 1 30 22 | Gentile Georgetta, Secret Canyon Springs | Stock | | | |
| 6621 | 1 30 22 | Gentile Georgetta, Antiope Spring | Stock | | | |
| 6622 | 1 30 22 | Gentile Georgetta, North Cottonwood Spring | Stock | | | |
| 6623 | 1 30 22 | Gentile Georgetta, Upper Cottonwood Spring | Stock | | | |
| 6624 | 2 1 22 | Ney Wolfskill, Spring Creek Springs | Mining & Milling | | | |
| 6625 | 2 1 22 | Ney Wolfskill, Middle Creek Springs | Milling | | | |
| 6626 | 2 1 22 | Antelope Valley Land and Cattle Co., Walker River | Irrigation-stock | | | |
| 6627 | 2 6 22 | Leona Blundell, Piute Creek | Irrigation | | | |
| 6628 | 2 7 22 | J. B. McDaniel, Unnamed Creek | Irrigation | | | |
| 6629 | 2 8 22 | Mrs. O. C. Stewart, Desert Spring No. 2 | Stock | Can 4 11 22 | | |
| 6630 | 2 8 22 | Mrs. O. C. Stewart, Desert Spring | Stock | Can 4 11 22 | | |
| 6631 | 2 10 22 | Paul Ryan, Unnamed Spring | Irrigation | | | |
| 6632 | 2 17 22 | Jose M. Abzugaray, White Cloud Well | Stock | | | |
| 6633 | 2 23 22 | Einit Davis, Cherry Creek | Irrigation | App 6 16 22 | 1.0 | |
| 6634 | 2 23 22 | Fred Woods, Wiseman and Honeymen Creek | Irrigation | | | |
| 6635 | 2 23 22 | Humboldt-Lovelock Irrigation and Power Co., Humboldt River | Irrigation | | | |
| 6636 | 2 27 22 | Jerome Borer, Amargosa River and Tributaries | Irrigation | | | |
| 6637 | 2 27 22 | Morris Mulvolhill Et Al., Butter Spring No. 1 | Power | Can 7 7 22 | | |
| 6638 | 2 27 22 | J. L. Whipple, Silver King Well | Stock | | | |
| 6639 | 2 27 22 | C. I. Wadsworth, Coyote Spring | Stock | | | |
| 6640 | 2 27 22 | C. I. Wadsworth, Camp Spring | Stock | | | |
| 6641 | 2 27 22 | C. I. Wadsworth, Shingle Spring | Stock | | | |
| 6642 | 2 27 22 | Gertrude Burke, Burke Spring | Stock | | | |
| 6643 | 3 1 22 | J. J. Anderson, Cow Creek Spring | Irrigation | | | |
| 6644 | 3 6 22 | B. H. Robinson, Unnamed Spring | Stock | | | |
| 6645 | 3 6 22 | Burton H. Robinson, Unnamed Spring | Stock | | | |
| 6646 | 3 6 22 | Mrs. C. T. Martin, East Fork of Walker River | Irrigation | | | |
| 6647 | 3 6 22 | Mark Ward, Cottonwood Creek | Irrigation | | | |
| 6648 | 3 13 22 | Horace F. Wilson, Pine Creek | Irrigation | App 10 17 22 | 0.8 | |
| 6649 | 3 13 22 | Rosetta Georgetta, Cottonwood Creek | Stock | | | |
| 6650 | 3 13 22 | John W. Richard, Ash Spring Creek | Irrigation | | | |
| 6651 | 3 13 22 | A. J. Richard, Ash Spring Creek | Irrigation | | | |
| 6652 | 3 13 22 | J. M. and Arthur Maionebl, Walker River | Irrigation-Stock | App 6 30 22 | 2.0 | |
| 6653 | 3 23 22 | Fritz Waltl, Waltl Springs Nos. 17 and 18 | Irrigation | App 7 27 22 | 0.10 | |
| 6654 | 3 23 22 | Laine T. Tilford, Snowwater of Dry Gulch and Jack's Gulch | Mining | | | |
| 6655 | 3 25 22 | U. S. Forest Reserve, Dorsey Creek | Irrigation | | | |
| 6656 | 3 27 22 | H. H. Schrader, Clover Slough | Irrigation | App 6 29 22 | 3.2 | |

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|---|---|---|---|---|---|---|---|
| 6657 | 3 29 22 | J. M. and Guy B. Prunty, Virgin River | Irrigation | | | | |
| 6658 | 3 31 22 | Drown Bros., South Fork Humboldt River | Irrigation | | | | |
| 6659 | 3 31 22 | Drown Bros., South Fork Humboldt River | Irrigation | | | | |
| 6660 | 4 3 22 | Gentile Georgetta, Antelope Valley Wash and Tributaries | Stock | | | | |
| 6661 | 4 3 22 | Maude Ivers, Wiseman Creek and Tributaries | Irrigation | | | | |
| 6662 | 4 5 22 | Adams-McGill Co., Fourth Sawmill Spring | Stock | App | 8 8 22 | 0.015 | |
| 6663 | 4 7 22 | James D. Farrington, Cloverdale Springs and Tributaries | Irrigation | | | | |
| 6664 | 4 8 22 | Gentile Georgetta, Rosetta Spring | Stock | | | | |
| 6665 | 4 8 22 | Gentile Georgetta, Evan Spring | Stock | | | | |
| 6666 | 4 14 22 | Henry H. Lee, Brown Canyon | Stock | | | | |
| 6667 | 4 19 22 | Robison Bros., Sagebrush Springs | Stock | | | | |
| 6668 | 4 24 22 | Mrs. Merrill L. Holbrook, Pedro Creek | Irrigation | | | | |
| 6669 | 4 26 22 | Wm. M. Read, Unnamed Springs | Mining | | | | |
| 6670 | 5 1 22 | Mrs. O. C. Stewart, Desert Spring | Stock | | | | |
| 6671 | 5 1 22 | Mrs. O. C. Stewart, Desert Spring No. 2 | Stock | | | | |
| 6672 | 5 3 22 | Preston Irrigation Co., White River and Preston Big Spring | Irrigation | | | | |
| 6673 | 5 3 22 | H. A. Agee, Ha. Canyon Creek | Irrigation-Stock | | | | |
| 6674 | 5 6 22 | Agnes M. Leighton, Chin Creek | Irrigation | Can | 7 24 22 | | |
| 6675 | 5 12 22 | R. W. Griffeth, Fletcher Spring | Irrigation-Stock | | | | |
| 6676 | 5 13 22 | George M. Southward, Antimony Springs | Mining | | | | |
| 6677 | 5 13 22 | George M. Southward, Atkinson Springs | Mining | | | | |
| 6678 | 5 19 22 | George W. Conner, New York Canyon | Mining & Milling | Can | 7 24 22 | | |
| 6679 | 5 19 22 | Sharp Land and Cattle Co., Cottonwood Creek | Stock-Irrigation | | | | |
| 6680 | 5 19 22 | B. G. McBride, Underground Waters | Town Supply | | | | |
| 6681 | 5 20 22 | T. H. Chatom and J. J. Vignolo, X Well | Stock | Can | 7 24 22 | | |
| 6682 | 5 20 22 | T. H. Chatom and J. J. Vignolo, Y Well | Stock | Can | 7 24 22 | | |
| 6683 | 5 22 22 | Jos. Romnow and Henry H. Lee, Bullionville Headgate | Irrigation | | | | |
| 6684 | 5 22 22 | R. A. Trimble and S. L. Cain, Minnehaha Creek and Tributaries | Mining | | | | |
| 6685 | 5 29 22 | C. I. Burt, Beck or Metteucci Springs | Irrigation | | | | |
| 6686 | 6 1 22 | Pacific Portland Cement Co., Unnamed Spring | Mining | | | | |
| 6687 | 6 1 22 | Pacific Portland Cement Co., Unnamed Spring | Mining | Can | 10 25 22 | | |
| 6688 | 6 1 22 | Pacific Portland Cement Co., Unnamed Spring | Irrigation | | | | |
| 6689 | 6 1 22 | Pacific Portland Cement Co., Unnamed Spring | Mining | Can | 10 25 22 | | |
| 6690 | 6 3 22 | Simon Silver Lead Mines, Unnamed Spring | Mining | | | | |
| 6691 | 6 5 22 | P. J. Brandon, Mountain House Spring | Milling | Can | 11 25 22 | | |
| 6692 | 6 5 22 | Orville M. Wilson, Cedar Creek | Irrigation | App | 10 23 22 | | |
| 6693 | 6 8 22 | P. V. Meyer, Unnamed Spring | Irrigation | | | | |
| 6694 | 6 12 22 | John S. Weeks, Ranger Station Spring | Irrigation | | | | |
| 6695 | 6 13 22 | Catlin Shales Products Co., Underground Waters | Mfg., Mil., Min. | | | | |
| 6696 | 6 13 22 | Glen H. Mitchell, Cleveland Creek and Tributaries | Power | Can | 11 25 22 | | |
| 6697 | 6 14 22 | Mrs. Sylvain Siard, Unnamed Springs | Irrigation | | | | |
| 6698 | 6 15 22 | Estate of Thomas Kearns, McAffe Creek | Irrigation | | | | |
| 6699 | 6 15 22 | Estate of Thomas Kearns, Walker Creek and Springs | Irrigation | | | | |
| 6700 | 6 15 22 | Estate of Thomas Kearns, Walker and Dell Springs | Irrigation | | | | |
| 6701 | 6 17 22 | Panther Mines Co., Granite Creek | Mining | | | | |
| 6702 | 6 19 22 | American Clay Co., Kaolin Spring | Mining & Milling | | | | |
| 6703 | 6 22 22 | William Sandon, Drain Ditch | Irrigation-Stock | | | | |
| 6704 | 6 22 22 | L. H. and J. G. Taylor, Spring Creek | Power | | | | |
| 6705 | 6 23 22 | G. Edgar Nesbit, Hiko Lake | Irrigation | | | | |
| 6706 | 6 26 22 | Great Western Gypsum Co., Beck or Matteucci Springs | Mining & Milling | Can | 11 25 22 | | |
| 6707 | 6 29 22 | John Urrizaga, Ward Spring | Stock | | | | |
| 6708 | 6 29 22 | D. D. Sabala, Unnamed Well | Irrigation-Stock | Can | 9 9 22 | | |
| 6709 | 7 1 22 | Adams-McGill Co., Eureka Well | Stock | | | | |

STATUS OF APPLICATIONS FILED DURING 1922—*Continued*

| Serial No. | Date of filing | Applicant and Source | Purpose | Action on application | Amount in c.f.s. | Permit action |
|---|---|---|---|---|---|---|
| 6710 | 7 6 22 | Esther A. Dory, Virgus Creek | Irrigation | | | |
| 6711 | 7 7 22 | Frieda Sepulveda, Unnamed Spring and Stream | Irrigation | | | |
| 6712 | 7 7 22 | Betty O'Neal Mines, Getchell Springs | Irrigation | | | |
| 6713 | 7 10 22 | D. D. Sabala, Badger Spring | Irrigation-Stock | | | |
| 6714 | 7 10 22 | Geo. E. Rudesill, Willow Creek | Mining & Milling | | | |
| 6715 | 7 13 22 | Department of Highways, Unnamed Spring | Road Construction | | | |
| 6716 | 7 15 22 | E. F. Box, Squaw Creek | Irrigation | | | |
| 6717 | 7 17 22 | Hilltop Nevada Mining Co., Ford Springs | Mining & Milling | | | |
| 6718 | 7 17 22 | Tungsten Comet Mill Co., Comet Well | Mining & Milling | | | |
| 6719 | 7 17 22 | George L. Sanford, Zephyr and North Zephyr Cove Creek | Irrigation-Stock | | | |
| 6720 | 7 17 22 | Ed Malley, North Fork Zephyr Cove Creek | Power-Irrigation | | | |
| 6721 | 7 22 22 | John E. Worden, Unnamed Springs | Stock | | | |
| 6722 | 7 24 22 | D. D. Sabala, Badger No. 1 Spring | Irrigation-Stock | | | |
| 6723 | 7 26 22 | Genevieve Delmue, Dry Valley Wash | Irrigation | Can 9 28 22 | | |
| 6724 | 7 27 22 | Georgia Hinckley, Well | Irrigation-Domestic | | | |
| 6725 | 7 31 22 | T. H. Chatom and J. J. Vignolo, X Well | Stock - Domestic | | | |
| 6726 | 7 31 22 | T. H. Chatom and J. J. Vignolo, Y Well | Stock - Domestic | | | |
| 6727 | 8 1 22 | Samuel H. Wells, Logan Ditch | Power | Can 11 25 22 | | |
| 6728 | 8 2 22 | Frank Walker and L. L. Bert, Clover Wash | Townsite-Domestic | | | |
| 6729 | 8 2 22 | Eva E. Kelly, Wall Canyon Creek | Irrigation-Domestic | App 11 16 22 | | |
| 6730 | 8 3 22 | Wm. Stuart, Stuart Spring | Irrigation-Domestic | | | |
| 6731 | 8 4 22 | West, Chemicals Inc., Well | Min., Mill., Dom. | | | |
| 6732 | 8 8 22 | C. W. Burge and W. R. Coxart, Fullers Springs | Mining-Domestic | | | |
| 6733 | 8 9 22 | W. H. Colvin, Cottonwood Canyon | Min., Mill., Dom. | | | |
| 6734 | 8 10 22 | Carson and Tahoe Lumber and Fluming Co., Secret Harbor Creek | Irr., Stock, Dom. | | | |
| 6735 | 8 10 22 | Eureka Uncle Sam Cons. Min. Co., Diamond Springs | Min., Mill., Dom. | Can 11 25 22 | | |
| 6736 | 8 10 22 | Domenico Cerruti, Mountain Lion Spring | Stock-Domestic | Can 11 23 22 | | |
| 6737 | 8 12 22 | Fallon Land and Stock Co., Tunnel Spring | Stock-Domestic | | | |
| 6738 | 8 12 22 | Fallon Land and Stock Co., West Springs | Stock-Domestic | | | |
| 6739 | 8 12 22 | Fallon Land and Stock Co., Frank's Well No. 1 | Stock-Domestic | | | |
| 6740 | 8 12 22 | Fallon Land and Stock Co., Frank's Well No. 2 | Stock-Domestic | | | |
| 6741 | 8 12 22 | Fallon Land and Stock Co., Jack Spring | Stock-Domestic | | | |
| 6742 | 8 12 22 | Fallon Land and Stock Co., Hawley Well | Stock-Domestic | | | |
| 6743 | 8 12 22 | Fallon Land and Stock Co., Marble Falls Springs | Stock-Domestic | | | |
| 6744 | 8 17 22 | J. F. Hamilton, 76 Creek | Placer Mining | | | |
| 6745 | 8 19 22 | Edward E. West, Unnamed Spring | Irr., Stock, Dom. | | | |
| 6746 | 8 23 22 | Carson and Tahoe L. & F. Co., N. Fk. Zephyr Cove Creek | Power | | | |
| 6747 | 8 25 22 | Great Western Gypsum Co., Beck or Matteucci Spring | Min., Mill., Dom. | | | |
| 6748 | 8 25 22 | Pacific Portland Cement Co., Cons., Baker Spring No. 1 | Mining-Domestic | | | |
| 6749 | 8 25 22 | Pacific Portland Cement Co., Cons., Baker Spring No. 2 | Mining-Domestic | | | |
| 6750 | 8 25 22 | Pacific Portland Cement Co., Cons., Baker Spring No. 3 | Mining-Domestic | | | |
| 6751 | 8 25 22 | Pacific Portland Cement Co., Cons., Baker Spring No. 4 | Mining-Domestic | | | |
| 6752 | 8 25 22 | Pacific Portland Cement Co., Cons., Baker Spring No. 5 | Mining-Domestic | | | |
| 6753 | 8 25 22 | Pacific Portland Cement Co., Cons., Colton Spring | Mining-Domestic | | | |
| 6754 | 8 30 22 | Jas. A. Cazier, Mud Springs | Irrigation | | | |
| 6755 | 8 31 22 | Forrest A. Parry, Unnamed Stream | Irrigation-Domestic | | | |
| 6756 | 8 31 22 | Andrew Knopf, 76 Creek | Irrigation-Domestic | | | |
| 6757 | 9 6 22 | G. H. McCormick, Rock Hill Canyon | Mining-Domestic | | | |
| 6758 | 9 6 22 | Walter B. Cook, Meadow Valley Wash | Irrigation | | | |

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|---|---|---|---|---|---|---|
| 6759 | 9 8 22 | Emery R. Garrett, Willow Creek | Irrigation-Domestic | | | |
| 6760 | 9 13 22 | Roy McDonald, Buffalo Creek | Irrigation | | | |
| 6761 | 9 14 22 | Don Smith, Zenobia Creek | Irrigation-Domestic | | | |
| 6762 | 9 16 22 | Mono Land and Livestock Co., Sario Spring | Stock-Domestic | App 12 15 22 | 0.018 | |
| 6763 | 9 16 22 | Henry H. and M. L. Lee, Five Mile Spring | Stock-Domestic | | | |
| 6764 | 9 18 22 | Allied Min. & Mill. Co., Indian Gardens or McNamara Springs | Milling-Domestic | | | |
| 6765 | 9 18 22 | W. J. Gardner, South Smith Creek | Irrigation | | | |
| 6766 | 9 18 22 | W. J. Gardner, North Smith Creek | Irrigation | | | |
| 6767 | 9 22 22 | P. J. Jackson and W. A. Watson, Water Canyon Springs | Min., Mill., Dom. | | | |
| 6768 | 9 22 22 | Adams-McGill Co., Cut-in Springs Nos. 1 and 2 | Stock-Domestic | | | |
| 6769 | 9 22 22 | Angelo C. Florio and Theo. Bidart, Young Florio Spring | Stock-Sheep Dipping | | | |
| 6770 | 9 22 22 | Angelo C. Florio and Theo. Bidart, Indian Spring | Stock | | | |
| 6771 | 9 23 22 | D. D. Sabala, Unnamed Well | Stock-Domestic | | | |
| 6772 | 9 24 22 | Adams-McGill Co., Virgindale Spring No. 1 | Stock-Domestic | | | |
| 6773 | 10 3 22 | Vicinte Juaristi, Juaristi Spring No. 1 | Stock | | | |
| 6774 | 10 3 22 | Vicinte Juaristi, Juaristi Spring No. 2 | Stock | | | |
| 6775 | 10 3 22 | Vicinte Juaristi, Juaristi Spring No. 3 | Stock | | | |
| 6776 | 10 3 22 | Vicinte Juaristi, Juaristi Spring No. 4 | Stock | | | |
| 6777 | 10 4 22 | Naquinta Cattle Co., Overflow of Cane Spring | Stock-Domestic | | | |
| 6778 | 10 5 22 | Andre Domeco, Snake Lake | Irrigation-Domestic | | | |
| 6779 | 10 6 22 | Bessie Rosevear, Mt. Ophir Spring | Stock-Domestic | | | |
| 6780 | 10 6 22 | Frank A. Buol, Wheeler Springs | Stock-Domestic | | | |
| 6781 | 10 6 22 | Dr. J. W. Davis, Cat Creek | Power, Min., Dom. | | | |
| 6782 | 10 8 22 | Adams-McGill Co., Virgindale Spring No. 2 | Stock-Domestic | | | |
| 6783 | 10 10 22 | Fernando Goicoechea, South Fork Owyhee River | Irrigation | | | |
| 6784 | 10 11 22 | Adams-McGill Co., North Gleason Spring | Stock-Domestic | | | |
| 6785 | 10 11 22 | Adams-McGill Co., Gleason Spring No. 2 | Stock-Domestic | | | |
| 6786 | 10 11 22 | Adams-McGill Co., Shade Spring No. 1 | Stock-Domestic | | | |
| 6787 | 10 11 22 | Adams-McGill Co., Shade Spring No. 2 | Stock-Domestic | | | |
| 6788 | 10 11 22 | Adams-McGill Co., Shade Spring No. 3 | Stock-Domestic | | | |
| 6789 | 10 11 22 | Adams-McGill Co., Shade Spring No. 4 | Stock-Domestic | | | |
| 6790 | 10 11 22 | Adams-McGill Co., Shade Spring No. 5 | Stock-Domestic | | | |
| 6791 | 10 11 22 | Estate of Thos. Kearns, McAfee Creek | Irrigation-Domestic | | | |
| 6792 | 10 13 22 | State of Nevada, Dept. of Highways, Cabin Creek | Irrigation-Domestic | | | |
| 6793 | 10 13 22 | State of Nevada, Dept. of Highways, China Garden Creek | Irrigation-Domestic | | | |
| 6794 | 10 14 22 | Chas. H. Roberson, Roberson Springs Creek | Min., Mill., Dom. | | | |
| 6795 | 10 16 22 | Adams-McGill Co., Douglas Pt. Well | Stock-Domestic | | | |
| 6796 | 10 16 22 | Adams-McGill Co., Middle Douglas Well | Stock-Domestic | | | |
| 6797 | 10 16 22 | Adams-McGill Co., South Douglas Well | Stock-Domestic | | | |
| 6798 | 10 18 22 | Eugene A. Henriod, Wild Horse Spring | Stock | | | |
| 6799 | 10 18 22 | Angelo C. Florio, Corner Spring | Stock-Domestic | | | |
| 6800 | 10 19 22 | Dewey Dan, Hand-Me-Down Creek | Irrigation | | | |
| 6801 | 10 20 22 | Flora Dean Hobart and Ethel Dean Hussey, Hand-Me-Down Creek | Irrigation-Domestic | | | |
| 6802 | 10 22 22 | Mrs. A. B. Philatro, June Spring | Stock-Domestic | | | |
| 6803 | 10 23 22 | Dan Mathews and Harry Mathews, Tex Spring | Stock-Domestic | | | |
| 6804 | 10 25 22 | Pacific Portland Cement Co., Cons., Baker Spring No. 6 | Mining-Domestic | | | |
| 6805 | 10 25 22 | Pacific Portland Cement Co., Baker Spring No. 7 | Mining-Domestic | | | |
| 6806 | 10 27 22 | Dmitar Dragosavac, Pint Spring | Irrigation-Stock | | | |
| 6807 | 11 1 22 | Ogle Swingle, North Willow Creek | Irrigation-Stock | | | |
| 6808 | 11 1 22 | Andrew Boundy, Lost Spring | Stock | | | |
| 6809 | 11 2 22 | Mayme Raessler, Raessler Spring | Mining-Domestic | | | |
| 6810 | 11 3 22 | Roy G. Haley, Trout Creek | Irrigation-Domestic | | | |
| 6811 | 11 6 22 | E. B. Cornell, Mud Springs | Stock-Domestic | | | |

STATUS OF APPLICATIONS FILED DURING 1922—*Continued*

| *Serial No.* | *Date of filing* | *Applicant and Source* | *Purpose* | *Action on application* | *Amount in c.f.s.* | *Permit action* |
|---|---|---|---|---|---|---|
| 6812 | 11 6 22 | E. B. Cornell, Mud Springs Wells | Stock-Domestic | | | |
| 6813 | 11 6 22 | E. B. Cornell, Charcoal Well | Stock-Domestic | | | |
| 6814 | 11 6 22 | E. B. Cornell, White Rock Springs | Stock-Domestic | | | |
| 6815 | 11 6 22 | G. Henry Stetson, Colorado River | Power | | | |
| 6816 | 11 6 22 | G. Henry Stetson, Colorado River | Power | | | |
| 6817 | 11 6 22 | G. Henry Stetson, Colorado River | Power | | | |
| 6818 | 11 6 22 | G. Henry Stetson, Colorado River | Power | | | |
| 6819 | 11 6 22 | J. B. Davis, Woody Canyon | Irrigation-Domestic | | | |
| 6820 | 11 6 22 | Western Pacific Railroad Co., Humboldt River | Ice | | | |
| 6821 | 11 8 22 | Thos. E. Powell, Alta Creek | Irrigation-Domestic | | | |
| 6822 | 11 10 22 | Mrs. William Burke, Wild Meadow Springs | Irrigation-Domestic | | | |
| 6823 | 11 10 22 | Curtis Mathews, Snow Creek | Irrigation | | | |
| 6824 | 11 14 22 | H. Van den Heuvel, Willow Creek Spring | Irrigation | | | |
| 6825 | 11 18 22 | Wilmina Kell, Central Canyon | Irrigation-Stock | | | |
| 6826 | 11 20 22 | J. M. McNamara, Dixie Creek | Irrigation-Domestic | | | |
| 6827 | 11 22 22 | Antonio Foppiano, Star Creek | Irrigation-Domestic | | | |
| 6828 | 12 2 22 | Dave Cordano, Upper Springs | Irrigation-Domestic | | | |
| 6829 | 12 2 22 | Dave Cordano, Lower Springs | Irrigation-Domestic | | | |
| 6830 | 12 2 22 | Mrs. Caroline T. Newhall, Unnamed Creek | Domestic | | | |
| 6831 | 12 5 22 | Anna Vega, Clear Creek and Spring | Irrigation | | | |
| 6832 | 12 8 22 | Irrigation District No. 1, Carson Valley Unit, Truckee-Carson Project, East Fork Carson River | Irrigation-Stock | | | |
| 6833 | 12 8 22 | West End Chemical Co., Lovell Wash | Mining | | | |
| 6834 | 12 9 22 | Richard T. Swallow, Pine Creek | Irrigation | | | |
| 6835 | 12 18 22 | E. A. Strong, Unnamed Spring | Mining | | | |
| 6836 | 12 20 22 | Delbert States, Minoletti Creek | Irrigation | | | |
| 6837 | 12 20 22 | Delbert States, Cottonwood Creek | Irrigation | | | |
| 6838 | 12 20 22 | Percy B. Goblin, Porter Canyon Spring Creek | Irrigation-Stock | | | |
| 6839 | 12 20 22 | Percy B. Goblin, Jordan Springs | Irrigation-Stock | | | |
| 6840 | 12 21 22 | Domenico Cerrutti, Mountain Lion Spring | Stock | | | |
| 6841 | 12 23 22 | Wm. Higbee and J. L. Sharp, Pine Spring | Stock | | | |
| 6842 | 12 26 22 | Naquinta Cattle Co., Cane Spring | Stock | | | |
| 6843 | 12 29 22 | Elida Read, Spring Creek | Irrigation | | | |
| 6844 | 12 29 22 | W. W. Whiting, Whiting Springs | Milling | | | |

## STATUS OF APPLICATIONS FILED PRIOR TO JANUARY 1, 1921, UPON WHICH ACTION HAS BEEN TAKEN DURING THE YEAR 1921

| Serial No. | Date of filing | Applicant and Source | Purpose | Action on application | Amount in c.f.s. | Permit action |
|---|---|---|---|---|---|---|
| 3669 | 8 6 14 | B. F. Boggs and Carl S. Warren, Sand Creek | Irrigation | App 7 21 21 | 6.4 | |
| 3692 | 11 10 15 | Chas. V. Gutches, Canyon Creek | Irrigation | App 1 10 21 | 0.1 | |
| 4402 | 4 29 17 | John A. Lundgren, Willard Creek | Irrigation | App 11 3 21 | 2.4 | |
| 4564 | 8 25 17 | East Side Land and Water Company, Horse Creek | Irrigation | Wdn 6 27 21 | | |
| 4565 | 8 25 17 | East Side Land and Water Company, Rock Creek | Irrigation | Wdn 6 27 21 | | |
| 4786 | 12 17 17 | Holden Mining and Milling Company, Spring | Mining & Milling | Wdn 10 13 21 | | |
| 4815 | 1 3 18 | W. E. Clawson, Rose Creek | Irrigation | App 10 6 21 | 1.6 | |
| 4876 | 1 22 18 | R. W. Allum and W. G. Allum, East Walker River | Irrigation | App 12 27 21 | 2.8 | |
| 4945 | 3 1 18 | Chas. W. Brooks and A. R. Peckham, Sub-surface channel | Irrigation-Stock | App 5 26 21 | 6.0 | |
| 5100 | 6 10 18 | Morris Isaac, Grouse Spring | Irrigation | App 6 9 21 | 0.4 | P.B.U. |
| 5257 | 9 23 18 | Sylvain Siard, Tunnel Development | Irrigation-Stock | App 1 25 21 | 1.6 | |
| 5259 | 9 24 18 | Carl John Henderson, Buck Spring | Irrigation | App 1 22 21 | 1.6 | |
| 5260 | 9 24 18 | Carl John Henderson, Blue Lead Spring | Irrigation | App 1 22 21 | 1.6 | |
| 5345 | 12 31 18 | Sophie Roberts, South Branch of Cottonwood Creek | Irrigation | Den 3 10 21 | | |
| 5346 | 1 6 19 | S. G. Van Ness, Cave Spring | Stock | App 1 10 21 | 0.006 | |
| 5347 | 1 6 19 | S. G. Van Ness, Valcaldo Spring | Stock | App 1 10 21 | 0.006 | |
| 5358 | 1 17 19 | S. G. Van Ness, Unnamed Spring | Stock | App 1 10 21 | 0.006 | |
| 5359 | 1 17 19 | S. G. Van Ness, Coyote Hole Spring | Stock | App 1 10 21 | 0.006 | |
| 5360 | 1 17 19 | S. G. Van Ness, North Spring | Stock | App 1 10 21 | 0.006 | |
| 5361 | 1 17 19 | S. G. Van Ness, Mod Spring | Stock | App 1 10 21 | 0.006 | |
| 5468 | 3 10 19 | Wm. H. Kershaw, Snow-water Cave | Irrigation | Den 1 10 21 | | |
| 5464 | 4 26 19 | H. E. Schell, Chicken Ranch Spring | Irrigation | App 1 10 21 | 0.01 | |
| 5466 | 4 28 19 | Geo. Hatch and Nick Howe, Peavine Creek | Irrigation | App 10 26 21 | 12.8 | |
| 5511 | 5 22 19 | W. H. Williams and E. R. Albel, Upper Tiger Canyon Springs | Stock | App 4 15 21 | 0.015 | |
| 5525 | 6 3 19 | Molini Bros., Fish Lake Spring | Irrigation | App 1 10 21 | 2.4 | |
| 5532 | 6 9 19 | Chas. A. Hendel, Springs in Hendel Canyon | Irrigation-Stock | App 1 27 21 | 2.6 | Can |
| 5544 | 6 16 19 | D. D. Cluff, Deep Creek | Irrigation | Den 10 6 21 | | |
| 5560 | 6 23 19 | Pahrump Valley Co., Trough Spring | Irrigation-Stock | App 3 22 21 | 0.02 | |
| 5577 | 6 25 19 | A. E. Richart and M. W. Richart, Spring | Irrigation | App 8 29 21 | 0.04 | |
| 5579 | 6 26 19 | William V. Odgers, Trough Spring | Stock | App 8 4 21 | 0.021 | |
| 5581 | 6 26 19 | William V. Odgers, Trough Spring | Stock | App 8 4 21 | 0.021 | |
| 5590 | 6 30 19 | Thomas Mathis, Unnamed Springs | Irrigation | App 1 17 21 | 1.0 | |
| 5591 | 7 2 19 | C. R. Wedertz, Deep Creek(a spring in California) | Irrigation | App 3 14 21 | 640 acre-feet | |
| 5597 | 7 8 19 | J. H. Goodman, Unnamed Spring | Irrigation | App 1 9 21 | 0.025 | |
| 5600 | 7 11 19 | Patrick Toner, Unnamed Spring | Irrigation | Den 3 28 21 | | |
| 5613 | 7 15 19 | J. H. Phillips, Ford Spring | Stock | App 11 19 21 | 0.008 | |
| 5632 | 7 21 19 | Helga R. Snyder, Penrod Creek | Irrigation | Wdn 4 12 21 | | |
| 5628 | 7 28 19 | Anita Cooper, Bob Reid Canyon Creek | Irrigation | App 3 23 21 | 1.0 | |
| 5630 | 7 29 19 | Magnuson, et al., Steptoe Slough | Irrigation | App 2 21 21 | 12.8 | |
| 5641 | 7 28 19 | C. E. Anderson, First Creek | Irrigation | Den 2 17 21 | | |
| 5647 | 8 2 19 | C. A. Klane, No. 1 Gulch Spring | Mining & Milling | Wdn 10 26 21 | | |
| 5648 | 8 2 19 | C. A. Klane, Brennan Gulch | Mining & Milling | Wdn 10 26 21 | | |
| 5650 | 8 2 19 | M. C. Johnson, et al., Big Spring | Irrigation-Stock | App 3 31 21 | 0.10 | |
| 5651 | 8 2 19 | M. C. Johnson, et al., Unnamed Spring | Irrigation-Stock | App 3 31 21 | 0.15 | |
| 5652 | 8 4 19 | Milo A. Caine, Perotto Springs | Stock | Den 3 8 21 | | |
| 5657 | 8 5 19 | Alice E. Luce, South Fork of the Owyhee River | Irrigation | App 6 30 21 | 3.2 | |
| 5659 | 8 8 19 | Chas. Minoletti, Monte Christo Spring | Irrigation | App 6 30 21 | 0.10 | |

## Status of Applications—*Continued*

| *Serial No.* | *Date of filing* | *Applicant and Source* | *Purpose* | *Action on application* | *Amount in c.f.s.* | *Permit action* |
|---|---|---|---|---|---|---|
| 5681 | 8 21 19 | Ethel S. Henry, Lone Spring | Irrigation | Den 3 1 21 | | |
| 5697 | 9 1 19 | John Peters, et al., Gene Springs | Stock | App 8 27 21 | 0.018 | |
| 5702 | 9 2 19 | Mathew D. Ross, Meadow Valley Wash | Irrigation | App 4 8 21 | 1.60 | |
| 5763 | 9 21 19 | Joyce Mining Co., Scotts Springs | Mining & Milling | Den 11 28 21 | | |
| 5771 | 9 27 19 | Richard M. Bell, Unnamed Spring | Stock | App 1 10 21 | 0.015 | |
| 5775 | 9 27 19 | Sharp Land and Cattle Co., Brigham Well Spring | Stock | App 3 1 21 | 0.05 | |
| 5792 | 10 6 19 | A. W. Huston, Meadow Valley Stream | Irrigation | Den 11 28 21 | | |
| 5801 | 10 8 19 | Dr. S. R. Clark, et al., Elk Springs | Stock | App 5 23 21 | 0.015 | |
| 5802 | 10 8 19 | Samuel Clark, et al., Deer Springs | Stock | App 5 23 21 | 0.015 | |
| 5818 | 10 17 19 | William A. Moore, Brysacker Spring | Stock | App 5 18 21 | 0.015 | |
| 5819 | 10 23 19 | W. C. Pitt Co., Buffalo Springs | Stock | App 2 9 21 | 0.015 | |
| 5820 | 10 23 19 | W. C. Pitt Co., Troy Canyon | Stock | App 2 9 21 | 0.015 | |
| 5821 | 10 23 19 | W. C. Pitt Co., Fisher Canyon | Stock | App 2 9 21 | 0.015 | |
| 5833 | 11 2 19 | Floyd K. Grimes, Kelley Creek | Irrigation | App 2 25 21 | 1.6 | |
| 5843 | 11 7 19 | Arthur Gentry, Meadow Valley Stream | Irrigation | App 7 3 21 | 8.2 | |
| 5845 | 11 8 19 | Clarence W. Wedertz, Two Unnamed Springs | Stock | App 4 25 21 | 0.025 | |
| 5870 | 11 25 19 | C. F. Kell, Corral Canyon and Springs | Irrigation-Stock | App 5 25 21 | 0.40 | |
| 5882 | 12 6 19 | W. G. Schofield, et al., Willow Spring | Stock | Den 11 28 21 | | |
| 5897 | 12 9 19 | W. C. Pitt Co., North Fork of Fisher Creek | Stock | App 2 9 21 | 0.015 | |
| 5904 | 12 12 19 | Clarence Chapman, Say Canyon | Irrigation | App 2 9 21 | 1.00 | |
| 5905 | 12 12 19 | Clarence Chapman, Unnamed Stream | Irrigation | App 2 9 21 | 0.80 | |
| 5909 | 12 15 19 | W. H. Berg, Springs | Irrigation | App 5 26 21 | 0.80 | |
| 5912 | 12 19 19 | Robert E. Bunker, Meadow Valley Wash | Irrigation-Stock | App 4 23 21 | 1.00 | |
| 5913 | 12 19 19 | Martin A. Bunker, Meadow Valley Wash | Irrigation-Stock | App 4 27 21 | 1.00 | |
| 5921 | 12 24 19 | Sylvain Siard, Underground flow | Irrigation | App 7 1 21 | 1.60 | |
| 5922 | 12 24 19 | Blanche Siard, Underground flow | Irrigation | App 1 25 21 | 6.40 | |
| 5932 | 1 3 20 | Minnie E. Hider, Unnamed Hot Springs | Irrigation | App 1 28 21 | 1.00 | |
| 5940 | 1 7 20 | Canyon Queen Silver Mining and Milling Co., Crane Creek | Mining & Milling | App 8 25 21 | 1.00 | |
| 5941 | 1 8 20 | Mrs. Pearl Huston, Meadow Valley Wash | Irrigation | App 5 23 21 | 0.80 | |
| 5942 | 1 8 20 | Mrs. Pearl Huston, Meadow Valley Wash | Irrigation | App 5 23 21 | 0.80 | |
| 5944 | 1 12 20 | Harry E. Anderson, Unnamed Spring | Domestic | App 4 30 21 | 0.025 | |
| 5950 | 1 16 20 | Vineyard Land and Stock Company, Murdock Springs | Stock | App 4 15 21 | 0.0075 | |
| 5957 | 1 23 20 | Gustav A. Schmidt, Meadow Valley Wash | Irrigation-Stock | App 4 18 21 | 0.8 | |
| 5960 | 1 27 20 | Blanch Siard, Underground waters | Irrigation | App 1 25 21 | 6.4 | |
| 5964 | 1 29 20 | Antone Antoniazi, Freitas Spring | Stock | App 6 9 21 | 0.006 | |
| 5967 | 1 31 20 | Frank A. Buol, Wheeler Springs | Stock | App 3 7 21 | 0.01 | |
| 5969 | 2 2 20 | Oliver Perry, et al., Five Mile Springs | Irrigation-Stock | App 4 28 21 | 1.0 | |
| 5971 | 2 3 20 | I. L. Pierce, Moonlight Spring | Mining | App 11 7 21 | 0.25 | |
| 5972 | 2 3 20 | I. L. Pierce, Luna Spring | Mining | App 11 7 21 | 0.125 | |
| 5973 | 2 3 20 | I. L. Pierce, McNiel Spring | Mining | App 11 7 21 | 0.25 | |
| 5974 | 2 5 20 | Mrs. O. C. Stewart, Humboldt River | Prod. Ice | App 4 8 21 | 0.011 | |
| 5978 | 2 9 20 | Mrs. O. C. Stewart, Barrels Spring | Stock | App 4 8 21 | 0.011 | |
| 5985 | 2 12 20 | Alexander Forsyth, Mississippi Creek | Irrigation | Den 3 10 21 | | |
| 5986 | 2 13 20 | F. L. Lathrop, Canyon Spring | Stock | App 4 15 21 | 0.003 | |
| 5991 | 2 21 20 | F. F. Frank, et al., Willow Creek | Irrigation-Stock | App 1 10 21 | 1.6 | |
| 5994 | 2 24 20 | Sylvain Siard, Spring | Stock | App 4 23 21 | 0.015 | |
| 5996 | 2 26 20 | Geo. G. Westerbeck, Middle Fork of Creek | Irrigation | App 6 8 21 | 1.6 | |
| 5997 | 2 27 20 | Lake Valley Mining Co., Mill Stream | Mining - Power | App 1 28 21 | 0.5 | |
| 6002 | 3 1 20 | F. M. Wightman, Hunt's Well | Stock | App 4 15 21 | 0.015 | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 6003 | 3 | 1 | 20 | Amos Roach, Van Duzer Creek | Irrigation | App | 3 | 3 | 21 | 0.32 | |
| 6004 | 3 | 2 | 20 | A. L. DeLong, Leonard Creek | Irrigation | App | 4 | 20 | 21 | 3.2 | |
| 6005 | 3 | 2 | 20 | Mrs. O. C. Stewart, Springdale Springs | Stock | App | 4 | 8 | 21 | 0.025 | |
| 6015 | 3 | 12 | 20 | Patrick D. Dolan, Spring Gulch | Irrigation | App | 2 | 10 | 21 | 2.4 | |
| 6017 | 3 | 12 | 20 | J. W. O'Brien, Underground Stream | Irrigation-Stock | App | 4 | 11 | 21 | 3.2* | |
| 6021 | 3 | 20 | 20 | John F. Hesse, Colorado River | Irrigation | App | 1 | 10 | 21 | 1.6 | |
| 6026 | 3 | 23 | 20 | Harvey R. Cashman, Colorado River | Irrigation | App | 1 | 10 | 21 | 3.14 | |
| 6026 | 3 | 23 | 20 | Harvey R. Cashman, Colorado River | Irrigation | App | 1 | 9 | 21 | 1.2833 | |
| 6030 | 3 | 28 | 20 | W. C. Pitt Co., Sulphur Springs | Stock | App | 2 | 9 | 21 | 0.015 | |
| 6034 | 3 | 29 | 20 | W. C. Pitt Co., Springs | Stock | App | 2 | 9 | 21 | 0.015 | |
| 6035 | 3 | 29 | 20 | W. C. Pitt Co., Springs | Stock | App | 2 | 9 | 21 | 0.015 | |
| 6036 | 3 | 29 | 20 | W. C. Pitt Co., Springs | Stock | App | 2 | 9 | 21 | 0.015 | |
| 6037 | 3 | 29 | 20 | Frank B. Sterret, Springs | Irrigation | Den | 11 | 28 | 21 | | |
| 6040 | 4 | 1 | 20 | Helen D. Williams, Six Mile Creek | Irrigation-Stock | App | 8 | 6 | 21 | 1.200 | |
| 6041 | 4 | 1 | 20 | Helen D. Williams, Six Mile Creek | Irrigation-Stock | App | 8 | 6 | 21 | 1.6 | |
| 6049 | 4 | 5 | 20 | Almo Woods, "Twin Springs" | Stock | App | 4 | 23 | 21 | 0.003 | |
| 6050 | 4 | 9 | 20 | Mrs. Maggie Dreyer, Good Springs | Domestic | App | 4 | 30 | 21 | 0.025 | |
| 6055 | 4 | 14 | 20 | Juan Laxague, Stoneberger Creek | Irrigation | App | 5 | 23 | 21 | 0.7873 | |
| 6059 | 4 | 17 | 20 | John Lusetti, Lusetti Spring | Stock | App | 6 | 29 | 21 | 0.003 | |
| 6060 | 4 | 21 | 20 | C. M. Glider, Unnamed Spring | Mining | App | 7 | 2 | 21 | 1.0 | |
| 6061 | 4 | 21 | 20 | Ward & Grimfield, Virgin River | Irrigation | App | 3 | 23 | 21 | 1.6 | |
| 6064 | 4 | 24 | 20 | Thomas H. Sager, Virgin River | Irrigation | Wdn | 12 | 26 | 21 | | |
| 6066 | 4 | 26 | 20 | Sumner Stewart, et al., Tunnel Springs | Stock | App | 5 | 26 | 21 | 0.0075 | |
| 6067 | 4 | 26 | 20 | Sumner Stewart, et al., Schafer Springs | Stock | App | 5 | 26 | 21 | 0.0045 | |
| 6068 | 4 | 26 | 20 | Sumner Stewart, et al., Seeps Springs | Stock | App | 5 | 26 | 21 | 0.0075 | |
| 6069 | 4 | 26 | 20 | Sumner Stewart, et al., Horse Springs | Stock | App | 5 | 26 | 21 | 0.0090 | |
| 6070 | 4 | 26 | 20 | Sumner Stewart, et al., Monte Springs | Stock | App | 5 | 26 | 21 | 0.0075 | |
| 6071 | 4 | 26 | 20 | Louis A. Yellard, Willow Spring | Stock | App | 7 | 8 | 21 | 0.0180 | |
| 6072 | 4 | 26 | 20 | Louis A. Yellard, Low Sulphur Spring | Stock | App | 7 | 8 | 21 | 0.0180 | |
| 6073 | 4 | 26 | 20 | Louis A. Yellard, Upper Sulphur Spring | Stock | App | 7 | 8 | 21 | 0.0180 | |
| 6074 | 4 | 26 | 20 | Louis A. Yellard, Basin Spring | Stock | App | 7 | 8 | 21 | 0.0180 | |
| 6075 | 4 | 26 | 20 | Louis A. Yellard, Cottonwood Spring | Stock | App | 7 | 8 | 21 | 0.0180 | |
| 6078 | 4 | 30 | 20 | Henry Engle, White Rock Creek | Mining | Den | 11 | 28 | 21 | | |
| 6080 | 4 | 30 | 20 | Fred Walthers, Mulligan Creek Spring | Stock | App | 7 | 1 | 21 | 0.0110 | |
| 6085 | 5 | 3 | 20 | Pete Marifuch, Lockett Spring | Stock | App | 6 | 21 | 21 | 0.0125 | |
| 6086 | 5 | 3 | 20 | Pete Marifuch, Dugout Spring | Stock | App | 2 | 10 | 21 | 0.0125 | |
| 6098 | 5 | 6 | 20 | S. C. Cassidy, Upper and Lower Mandalay Springs | Min., Mill., Transp. | App | 6 | 30 | 21 | 1.0000 | |
| 6102 | 5 | 7 | 20 | Joseph McGuffie, Meadow Valley Stream | Irrigation | App | 4 | 11 | 21 | 0.7500 | |
| 6105 | 5 | 10 | 20 | W. C. Bradley, Rock Spring | Stock | App | 8 | 27 | 21 | 0.0015 | |
| 6114 | 5 | 12 | 20 | Mary G. Castles, Springer's Springs | Stock | App | 5 | 6 | 21 | 0.0030 | |
| 6115 | 5 | 12 | 20 | Dr. D. A. Smith, Silver Chief Spring | Mining & Milling | App | 5 | 18 | 21 | 0.2700 | |
| 6116 | 5 | 12 | 20 | Dr. D. A. Smith, Smith's Springs | Mining & Milling | App | 5 | 18 | 21 | 0.2700 | |
| 6120 | 5 | 14 | 20 | Fritz Elges, Graham Springs | Stock | App | 5 | 20 | 21 | 0.0125 | |
| 6121 | 5 | 14 | 20 | Dangberg Land and Livestock Company, Rattlesnake Spring | Stock | App | 5 | 27 | 21 | 0.0150 | |
| 6125 | 5 | 17 | 20 | Thomas H. Sager, Virgin River | Irrigation | Wdn | 12 | 28 | 21 | | |
| 6129 | 5 | 17 | 20 | D. D. Sabala, Sabala Spring No. 1 | Stock | App | 1 | 27 | 21 | 0.0150 | |
| 6130 | 5 | 17 | 20 | D. D. Sabala, Sabala Spring No. 2 | Stock | App | 1 | 27 | 21 | 0.0150 | |
| 6142 | 5 | 29 | 20 | Jean Cachenaut, Unnamed Spring | Stock | App | 1 | 9 | 21 | 0.0180 | |
| 6143 | 6 | 1 | 20 | Clyde G. Savier, Rocky Spring | Irrigation | App | 1 | 26 | 21 | 1.6000 | |
| 6144 | 6 | 1 | 20 | Abner O. Wilson, Shoshone Creek | Irrigation | App | 1 | 9 | 21 | 0.4000 | |
| 6146 | 6 | 1 | 20 | Wm. J. Gardner, Gardner Spring | Stock | App | 4 | 7 | 21 | 0.0090 | Wdn |
| 6147 | 6 | 3 | 20 | Dan W. Devaney, Cottonwood Creek | Irrigation | App | 7 | 8 | 21 | | |
| 6154 | 6 | 7 | 20 | G. E. Batchelder, et ux., Well | Irrigation | App | 5 | 24 | 21 | 2.0 | |

## Status of Applications—*Continued*

| Serial No. | Date of filing | Applicant and Source | Purpose | Action on application | Amount in c.f.s. | Permit action |
|---|---|---|---|---|---|---|
| 6155 | 6 7 20 | M. V. Walker, The Seeps | Stock | App 3 7 21 | 0.015 | |
| 6165 | 6 10 20 | C. S. Munson, Artesian Well | Irrigation | App 2 10 21 | 0.8 | |
| 6167 | 6 11 20 | Claude V. Meecham, Lexington Creek | Irrigation | App 2 21 21 | 0.8411 | |
| 6172 | 6 16 20 | Griswold-Henderson Land and Livestock Co., Basco Spring No. 2 | Stock | App 3 7 21 | 0.02 | |
| 6173 | 6 16 20 | Griswold-Henderson Land and Livestock Co., Basco Spring | Stock | App 3 7 21 | 0.02 | |
| 6174 | 6 16 20 | Griswold-Henderson Land and Livestock Co., Basco Spring No. 1 | Stock | App 3 7 21 | 0.02 | |
| 6175 | 6 17 20 | United Cattle and Packing Company, Woodchopper Spring | Stock | App 3 1 21 | 0.0125 | |
| 6176 | 6 17 20 | L. Snyder, Squawberry Spring | Stock | App 2 5 21 | 0.009 | |
| 6184 | 6 21 20 | W. A. Moore, Maw Spring | Irrigation-Stock | App 2 7 21 | 0.4 | |
| 6187 | 6 28 20 | Miller Hamilton Mining Company, Unnamed Spring | Mining - Power | App 3 31 21 | 1.5 | |
| 6189 | 6 29 20 | W. A. Marsh and John E. May, Thunder Mountain Spring | Stock | App 3 29 21 | 0.03 | |
| 6191 | 7 2 20 | Peters Bros., Rose Springs | Stock | App 7 1 21 | 0.021 | |
| 6192 | 7 3 20 | Holcomb Bros., Underground water | Irrigation-Stock | App 5 27 21 | 20.0 | |
| 6198 | 7 5 20 | D. D. Sabala, Sabala Spring No. 5 | Stock | App 1 27 21 | 0.031 | |
| 6202 | 7 12 20 | J. F. Foremaster, et al., Justi Wells | Stock | Den 11 28 21 | | |
| 6203 | 7 14 20 | Gardner Ranch Co., Bradshaw Springs | Stock | Den 11 28 21 | | |
| 6204 | 7 15 20 | David Beebee, Cottonwood Creek | Irrigation | App 7 7 21 | 400 acre-feet | |
| 6205 | 7 16 20 | R. J. Pierson, Willow Spring | Mining & Milling | App 2 9 21 | 1.0 | |
| 6206 | 7 16 20 | Wm. Easton | | App 2 9 21 | 1.0 | |
| 6207 | 7 17 20 | J. J. Riffe, Buck Creek | | App 5 17 21 | 3.2 | |
| 6228 | 8 6 20 | Nevada Wilson Extension Mining Company, Cedar Spring | Mining & Milling | App 6 8 21 | 2.0 | |
| 6230 | 8 9 20 | S. J. Gardner, Big Minnow Springs | Irrigation | App 3 22 21 | 2.0 | |
| 6235 | 8 14 20 | Gracian Saldubehere, Unnamed Well | Stock | App 2 10 21 | 0.0375 | |
| 6236 | 8 14 20 | Henry A. Williams, et al., Walker River | Irrigation-Stock | App 6 30 22 | 4.5 | |
| 6238 | 8 19 20 | Star of the West Mining Company, Star Spring | Mining & Milling | App 12 20 21 | 0.5 | P.B.U. |
| 6239 | 8 19 20 | Star of the West Mining Company, Star Spring | Mining & Milling | App 12 20 21 | 0.5 | P.B.U. |
| 6240 | 8 23 20 | E. A. Henrold, Lolies Canyon Creek | Stock | App 2 7 21 | 0.022 | P.B.U. |
| 6244 | 8 30 20 | Betty O'Neal Mining Company, Whisky Springs | Mining | App 4 28 21 | 1.0 | |
| 6245 | 8 30 20 | Alice G. Sellas, Rosebush Spring | Stock | App 2 8 21 | 0.015 | |
| 6254 | 9 9 20 | John Siri, Jones White Spring | Irrigation-Stock | App 4 28 21 | 1.0 | |
| 6256 | 9 10 20 | F. O. Morse, Victory Spring | Mining | App 3 29 21 | 0.1 | |
| 6257 | 9 10 20 | E. A. Henrold and Fred Henrold, South Fork of Grass Valley | Irrigation | App 2 7 21 | 1.0 | |
| 6258 | 9 10 20 | E. A. Henrold and Fred Henrold, Middle Fork of Grass Valley | Irrigation | App 2 7 21 | 0.5 | |
| 6259 | 9 11 20 | Harry N. Anderson, Artesian Wells | Irrigation-Stock | Can 1 25 21 | | |
| 6260 | 9 13 20 | Richard Lee, Mason Springs | Irrigation | Can 1 17 21 | | |
| 6261 | 9 15 20 | Alma Leavitt, Unnamed Spring | Stock | App 3 7 21 | 0.006 | |
| 6262 | 9 15 20 | Alma Leavitt, Nickel Creek | Stock | App 3 7 21 | 0.018 | |
| 6263 | 9 15 20 | John Hickson, Unnamed Springs | Stock | App 12 20 21 | 0.01 | |
| 6264 | 9 15 20 | John Hickson, Unnamed Spring | Stock | App 12 20 21 | 0.01 | |
| 6268 | 9 21 20 | J. Gallagher and E. Gallagher, Mud Lake | Stock | Can 1 25 21 | | |
| 6269 | 9 25 20 | John B. Bradshaw, Sunflower Creek | Irrigation | Can 1 17 21 | | |
| 6270 | 9 27 20 | Aaron Peterson, Cottonwood Creek | Irrigation | App 3 24 21 | 0.9 | |
| 6288 | 10 4 20 | E. A. Henrold, Burlington Canyon | Stock | App 2 7 21 | 0.0125 | P.B.U. |
| 6291 | 10 4 20 | E. A. Henrold and Fred Henrold, Cattle Valley | Stock | App 2 7 21 | 0.0125 | P.B.U. |
| 6294 | 10 5 20 | Julius Goldsmith and Thomas J. Lirch, Shermantown Spring | Mining & Milling | App 4 5 21 | 2.0 | |
| 6296 | 10 7 20 | A. V. Lelt and Wm. Keele, Jr., Unnamed Spring | Stock | App 3 21 | | |
| 6298 | 10 12 20 | Wm. Vetter, Bell Spring | Stock | App 8 24 21 | 0.0016 | |
| 6299 | 10 12 20 | Wm. Vetter, Trough Spring | Stock | App 8 24 21 | 0.0016 | |
| 6300 | 10 12 20 | Wm. Vetter, Buck Spring | Stock | App 8 24 21 | 0.0016 | |

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|---|---|---|---|---|---|---|---|---|---|
| 6231 | 10 | 12 | 20 | Wm. Vetter, Rosebud Spring | Stock | App | 8 | 24 | 21 | 0.0016 |
| 6302 | 10 | 18 | 20 | Patrick McMahon, Underground water | Irrigation | Can | 1 | 25 | 21 | 0.0016 |
| 6303 | 10 | 18 | 20 | Gus Pendleton, Deception Pass Pocket | Stock | App | 3 | 15 | 21 | 1 acre-foot |
| 6304 | 10 | 18 | 20 | Gus Pendleton, Pussy Valley Spring | Stock | App | 3 | 15 | 21 | 0.003 |
| 6305 | 10 | 18 | 20 | Gus Pendleton, Big Horn Spring | Stock | App | 3 | 15 | 21 | 0.003 |
| 6307 | 10 | 18 | 20 | Gus Pendleton, Earthquake Canyon Pockets | Stock | App | 3 | 15 | 21 | 0.5 acre-foot |
| 6308 | 10 | 18 | 20 | Gus Pendleton, Red Pockets | Stock | App | 3 | 15 | 21 | 0.5 acre-foot |
| 6311 | 10 | 21 | 20 | Amilee E. Luce, South Fork of the Owyhee River | Irrigation | App | 6 | 30 | 21 | 3.2 |
| 6313 | 11 | 1 | 20 | C. I. Burt, Unnamed Spring | Mining & Milling | Can | 1 | 25 | 21 | |
| 6314 | 11 | 1 | 20 | C. I. Burt, Unnamed Spring | Mining & Milling | Can | 1 | 25 | 21 | |
| 6316 | 11 | 3 | 20 | C. H. Jones, Unnamed Spring | Mining-Power | App | 2 | 11 | 21 | 0.15 |
| 6319 | 11 | 5 | 20 | Fred A. Murphey, Hines Creek | Irrigation | App | 6 | 23 | 21 | 1.9 |
| 6320 | 11 | 5 | 20 | John Delp, Pocopah Spring | Stock | Can | 1 | 25 | 21 | |
| 6321 | 11 | 5 | 20 | John Delp, Crystal Spring | Stock | Can | 1 | 25 | 21 | |
| 6323 | 11 | 15 | 20 | Pahrampu Valley Co., Oak Springs | Stock | App | 7 | 1 | 21 | 0.003 |
| 6327 | 11 | 18 | 20 | Frank Murphy, Willow Creek | Irrigation | App | 11 | 4 | 21 | 0.15 |
| 6332 | 11 | 22 | 20 | Joe Yragui, Yragui Spring | Irrigation-Stock | Wdn | 10 | 11 | 21 | |
| 6334 | 11 | 26 | 20 | C. V. Cole, Mantley Creek | Irrigation-Stock | App | 3 | 4 | 21 | 0.4 |
| 6335 | 11 | 26 | 20 | John Murray, Buckbrush Springs | Stock | Can | 2 | 14 | 21 | |
| 6339 | 11 | 29 | 20 | Lyon County Drainage District No. 1, Underground waters | Irrigation | Can | 2 | 14 | 21 | |
| 6340 | 11 | 30 | 20 | Martin Amestoff, Granite Spring | Stock | Den | 7 | 23 | 21 | |
| 6341 | 11 | 30 | 20 | Martin Amestoff, Willow Spring | Stock | Den | 7 | 23 | 21 | |
| 6342 | 11 | 30 | 20 | Martin Amestoff, Underground Spring | Stock | Den | 7 | 23 | 21 | |
| 6343 | 11 | 30 | 20 | Martin Amestoff, Fagin Spring | Stock | Den | 7 | 23 | 21 | |
| 6345 | 11 | 30 | 20 | Martin Amestoff, Pine Mt. Spring | Stock | Den | 7 | 23 | 21 | |
| 6346 | 12 | 2 | 20 | Joe Steele and William Sawyer, Flying Machine Spring | Stock | App | 8 | 11 | 21 | 0.003 |
| 6347 | 12 | 2 | 20 | Joe Steele and William Sawyer, Humming Bird Spring | Stock | App | 8 | 11 | 21 | 0.003 |
| 6348 | 12 | 2 | 20 | W. F. Dressler, Dressler Spring No. 1 | Not given | Can | 2 | 14 | 21 | |
| 6349 | 12 | 2 | 20 | W. F. Dressler, Dressler Spring No. 2 | Not given | Can | 2 | 14 | 21 | |
| 6350 | 12 | 2 | 20 | W. F. Dressler, Dressler Spring No. 3 | Not given | Can | 2 | 14 | 21 | |
| 6351 | 12 | 2 | 20 | W. F. Dressler, Dressler Spring No. 4 | Not given | Can | 2 | 14 | 21 | |
| 6353 | 12 | 6 | 20 | Pete Lambert, Cottonwood Spring | Stock | App | 2 | 21 | 21 | 0.0075 |
| 6354 | 12 | 6 | 20 | Pete Lambert, Log Cabin Spring | Stock | App | 2 | 21 | 21 | 0.009 |
| 6355 | 12 | 6 | 20 | Pete Lambert, Chokecherry Spring | Stock | App | 2 | 21 | 21 | 0.0075 |
| 6364 | 12 | 23 | 20 | G. W. Richard, Coyote Holes | Irrigation | App | 7 | 1 | 21 | 1.6 |
| 6365 | 12 | 27 | 20 | Lyman L. Woods, Jr., Beeco Spring | Stock | App | 7 | 1 | 21 | 0.018 |
| 6366 | 12 | 27 | 20 | W. H. Berg, Belcher Creek | Irrigation | App | 6 | 8 | 21 | 0.8 |

## STATUS OF APPLICATIONS FILED PRIOR TO JANUARY 1, 1921, UPON WHICH ACTION HAS BEEN TAKEN DURING THE YEAR 1922

| Serial No. | Date of filing | Applicant and Source | Purpose | Action on application | Amount in c.f.s. | Permit action |
|---|---|---|---|---|---|---|
| 813 | 2 8 08 | A. C. and H. D. Kirkeby, Dry Creek | Irrigation | App 9 21 08 | 10.00 | Cert |
| 1299 | 2 17 09 | Edw. U. McDermott, Talbot Creek (West Branch) | Irrigation | App 11 19 14 | 1.6 | Cert |
| 1948 | 2 10 11 | Humboldt-Lovelock I. L. & P. Co., Humboldt River | Irrigation | App 2 8 22 | 57000 acre-feet | |
| 2130 | 7 3 11 | J. C. Charters, Et Al., Tony Creek | Irrigation | App 1 9 21 | 3.2 | P.B.U. |
| 2281 | 12 11 11 | Q. D. Boyd, Boyd Springs | Irrigation | App 12 14 14 | 3.0 | Can |
| 2292 | 12 21 11 | Albert Remusat, Willow Creek | Irrigation | App 12 12 17 | 1.2 | Cert |
| 2321 | 1 20 12 | Antonio Urizar, Jack Creek | Irrigation | App 5 3 15 | 1.6 | Cert |
| 2324 | 1 23 12 | Channing Marker, Trout Creek | Irrigation | App 9 24 13 | 0.8 | Cert |
| 2449 | 7 12 12 | Mrs. Minnie Prunty, Breneau River | Irrigation | App 2 14 13 | 2.4 | Can |
| 2489 | 8 14 12 | Martin Oyarcabal, Pole Creek | Irrigation | App 8 20 13 | 0.2 | Cert |
| 2523 | 10 9 12 | Franklin Arentz, West Walker River | Irrigation | App 9 2 15 | 2.2 | Cert |
| 2583 | 12 12 12 | John A. Magnuson, Steptoe Slough | Irrigation | App 11 12 14 | 3.2 | P.B.U. |
| 2586 | 12 14 12 | G. E. Morrall, Et Al., Spring Creek | Irrigation | App 11 21 14 | 3.2 | P.B.U. |
| 2588 | 12 17 12 | Hi Stoker, Underground Waters | Irrigation-Stock | App 4 15 13 | 3.6 | Cert |
| 2590 | 12 23 12 | W. B. Gibbs, Steele Creek | Irrigation | Wdn 5 10 22 | | |
| 2671 | 4 17 13 | Arrascada Bros., South Fork Humboldt River | Irrigation | App 12 29 14 | 0.673 | Cert |
| 2677 | 4 8 13 | Mrs. J. C. Tucker, Gold Run Canyon | Irrigation | App 10 1 13 | 4.10 | Cert |
| 2678 | 4 8 13 | Robert T. Bass, Jr., Hot Springs | Irrigation | App 1 28 14 | 0.78 | Cert |
| 2735 | 6 14 13 | 71 Ranch Co., Soldier Creek | Irrigation | App 12 27 15 | 4.03 | P.B.U. |
| 2736 | 6 14 13 | 71 Ranch Co., Secret Creek | Irrigation | App 12 27 15 | 1.25 | P.B.U. |
| 2737 | 6 14 13 | 71 Ranch Co., Secret Creek | Irrigation | App 12 27 15 | 1.1 | P.B.U. |
| 2739 | 6 16 13 | Gerhard S. Schoer, Willow Creek | Irrigation | App 2 18 14 | 1.330 | Cert |
| 2779 | 9 17 13 | S. O. Cressler, Rye Patch Creek | Irrigation | App 2 24 13 | 2560 acre-feet | |
| 2781 | 9 18 13 | W. T. Jenkins Co., Coon Creek | Irrigation | App 12 29 14 | 0.1457 | Cert |
| 2839 | 11 20 13 | Emery G. Johnson, Deep Creek | Irrigation | App 4 15 14 | 2.4 | Cert |
| 2845 | 11 25 13 | Western Pacific Railroad Co., Miners Canyon Springs | Transportation | App 4 10 14 | 0.6 | Cert |
| 2878 | 1 22 14 | Mrs. Augustine Itcaina, Stag Creek | Irrigation | App 12 12 14 | 1280 acre-feet | Cert |
| 2925 | 3 25 14 | G. Gallio, Star Canyon Creek | Irrigation | App 1 18 15 | 3.2 | Cert |
| 2931 | 3 31 14 | Edith M. Myers, Rhodes Creek | Irrigation | App 10 21 14 | 0.8 | Cert |
| 2932 | 3 31 14 | A. B. Myers, South Branch Baxter Creek | Irrigation | App 10 21 14 | 0.4 | Cert |
| 2933 | 3 31 14 | E. E. Lutts, Baxter Creek | Irrigation | App 10 21 14 | 3.2 | Cert |
| 2945 | 4 17 14 | Constantin Strozzi, Smith Creek | Irrigation | App 2 20 15 | 3.2 | Can |
| 2981 | 5 26 14 | Jacob M. Simmons, Nigger Creek | Irrigation | App 5 6 22 | 1.6 | |
| 3000 | 6 12 14 | Mrs. Edith S. Lutts, Baxter Creek | Irrigation | App 10 21 14 | 1.2 | Cert |
| 3031 | 7 9 14 | Ernest Murphy, Grass Valley Creek | Irrigation | App 4 23 15 | 600 acre-feet | Cert |
| 3035 | 7 10 14 | Knud Nelson, Boulder Creek | Irrigation | App 7 6 15 | 3.5 | P.B.U. |
| 3045 | 7 20 14 | William Becker, Long Canyon | Irrigation | App 7 15 15 | 2.0 | P.B.U. |
| 3056 | 7 27 14 | Adams McGill Co., Bipont Creek | Irrigation | App 9 30 15 | 3.0 | Wdn |
| 3068 | 8 4 14 | Harry A. Day, Two Unnamed Springs | Irrigation | App 1 4 16 | 1.6 | Cert |
| 3146 | 10 26 14 | Charles H. Fox, Boulder Creek | Irrigation | App 7 2 15 | 1.6 | P.B.U. |
| 3147 | 10 26 14 | Almond C. Fox, Boulder Creek | Irrigation | App 7 2 15 | 1.6 | P.B.U. |
| 3161 | 11 16 14 | Frederick C. Hummel, Trout Creek | Irrigation | App 1 4 16 | 1.6 | P.B.U. |
| 3183 | 11 25 14 | Brian Sweeney, Trout Creek | Irrigation-Stock | App 12 24 15 | 1.6 | P.B.U. |
| 3186 | 11 27 14 | Washington Rogers, Nigger Creek | Irrigation | App 8 14 15 | 1.6 | Cert |
| 3244 | 2 15 15 | Burney Langston, Tuledad Creek | Irrigation | App 6 26 16 | 1.5695 | Cert |
| 3259 | 2 3 15 | Joseph L. Giroux, McAfee Creek | Irrigation | App 6 2 15 | 1.6 | Cert |
| 3264 | 2 9 15 | W. B. Griffith, Wood Gulch | Irrigation | App 8 14 16 | 1.6 | Cert |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 3346 | 4 14 15 | Byron A. Bolme, Franklin River | Irrigation | App | 1 5 16 | 1.6 | | | Cert |
| 3437 | 6 14 15 | Jas. L. Watt, Watt Creek | Irrigation | App | 1 18 16 | 3.2 | | | P.B.U. |
| 3458 | 6 6 15 | Tilden Martin, Bottle Creek | Irrigation-Stock | App | 10 13 16 | 1.6 | | | P.B.U. |
| 3473 | 6 29 15 | John Henry James, Eagle Canyon | Irrigation | App | 1 15 16 | 1.6 | | | Cert |
| 3486 | 7 3 15 | Richard L. Wood, Woods Creek | Irrigation | App | 12 11 15 | 1.6 | | | Cert |
| 3513 | 7 16 15 | Byron A. Bolme, Horse Creek | Irrigation | App | 1 5 16 | 0.6978 | | | Cert |
| 3530 | 7 28 15 | Jas. E. Fraiser, Lamoille Creek | Irrigation-Stock | App | 12 9 15 | 3.0 | | | Cert |
| 3532 | 8 10 15 | Sylvain Siard, Sheep Creek | Irrigation-Stock | App | 10 3 16 | 2.0 | | | Wdn |
| 3596 | 9 30 15 | Sylvain Siard, Gooseberry Creek | Irrigation-Stock | App | 7 25 16 | 3.0 | | | Wdn |
| 3599 | 10 2 15 | Pearl S. and F. C. Hummel, Bull Creek | Irrigation-Stock | App | 1 4 16 | 4.8 | | | P.B.U. |
| 3612 | 10 11 15 | R. J. Colvin, North Fork Cornwall Creek | Irrigation | App | 1 15 16 | 1.6 | | | Cert |
| 3687 | 11 8 15 | John L. Hylton, Smith Creek | Irrigation | App | 4 19 16 | 1.6 | | | P.B.U. |
| 3691 | 11 10 15 | Channing Marker, Trout Creek | Irrigation | App | 7 27 16 | 1.6 | | | Cert |
| 3692 | 11 10 15 | Chas. V. Gutches, Canyon Creek | Irrigation | App | 1 10 21 | 0.1 | | | P.B.U. |
| 3708 | 11 20 15 | Gracien Eyroz, Eyroz Creek | Irrigation-Stock | App | 8 3 16 | 1.6 | | | P.B.U. |
| 3759 | 12 27 15 | Theo. Storff, Sheden Creek | Irrigation | App | 5 2 16 | 1.6 | | | Cert |
| 3760 | 12 29 15 | Blanche Siard, Pleasant Valley Creek | Irrigation | App | 4 24 17 | 2.0 | | | P.B.U. |
| 3780 | 2 9 16 | Harry E. Webb, Padelford Creek | Irrigation | App | 6 15 17 | 0.2929 | | | Cert |
| 3889 | 3 18 16 | 71 Ranch Co., Soldier Creek | Irrigation | App | 9 22 16 | 28.6 | | | P.B.U. |
| 4060 | 7 15 16 | L. M. Jones, Humboldt River | Irrigation | App | 3 10 17 | 1.0 | | | P.B.U. |
| 4070 | 7 21 16 | James Russell, Et Al., Hot Springs | Irrigation | App | 5 8 17 | 0.5 | | | Cert |
| 4083 | 7 29 16 | David Langston, Tuledad Creek | Irrigation | App | 1 10 17 | 1.6 | | | Cert |
| 4107 | 8 15 16 | D. Baroni & Co., Carson River | Irrigation | App | 5 8 17 | 1.0 | | | Cert |
| 4121 | 8 25 16 | Burney Langston, Tuledad Creek | Irrigation | App | 11 20 16 | 1.6 | | | Wdn |
| 4180 | 10 11 16 | James Russell, Et Al., Hot Springs | Bathing | App | 2 13 17 | 0.5 | | | Cert |
| 4269 | 12 29 16 | W. C. Pitt Co., Say and Rawhide Canyon | Irrigation | App | 5 10 17 | 0.8 | | | P.B.U. |
| 4304 | 2 10 17 | Humboldt County, Wright's Creek | Town Supply | App | 4 5 19 | | | | P.B.U. |
| 4305 | 2 10 17 | Humboldt County, East Horse Canyon | Town Supply | App | 4 5 19 | | | | P.B.U. |
| 4307 | 2 10 17 | Humboldt County, Little Rocky Canyon | Town Supply | App | 4 5 19 | | | | P.B.U. |
| 4312 | 2 17 17 | Mary V. Clifford, Five Mile Spring No. 1 | Stock | App | 7 23 17 | 0.025 | | | Can |
| 4314 | 2 17 17 | Mary V. Clifford, Five Mile Spring | Stock | App | 7 26 17 | 0.025 | | | Can |
| 4373 | 2 24 17 | Florence McCoy, Salt Marsh Valley Hot Springs | Irrigation | App | 7 26 17 | 3.2 | | | Cert |
| 4375 | 3 26 17 | Frank A. Nolan, Big Spring | Irrigation | App | 6 5 22 | 1.2 | | | |
| 4381 | 4 2 17 | Annetta D. Lewis, East Walker | Irrigation | App | 2 4 22 | 1.0 | | | |
| 4383 | 4 4 17 | F. J. Howard, Et Al., Tunnel | Mining & Milling | App | 8 1 20 | 1.0 | | | Cert |
| 4384 | 4 4 17 | F. J. Howard, Et Al., Spring | Mining & Milling | App | 8 1 20 | 1.0 | | | Cert |
| 4385 | 4 4 17 | F. J. Howard, Et Al., Spring | Mining & Milling | App | 8 1 20 | 1.0 | | | Cert |
| 4407 | 4 23 17 | G. W. Rockwell, Squaw Creek | Irrigation | App | 9 25 17 | 0.8 | | | Can |
| 4411 | 4 27 17 | Wm. M. Read, Springs | Mining | App | 11 22 17 | 1.0 | | | Wdn |
| 4418 | 4 30 17 | H. C. and A. C. Kirkeby, Williams Creek | Irrigation | App | 10 1 17 | 4.8 | | | Cert |
| 4441 | 6 20 17 | Copper Canyon Mining Co., Copper Canyon Springs | Mining & Milling | App | 10 22 17 | 0.000742 | | | Cert |
| 4456 | 5 31 17 | George W. Weiner, High Rock Creek | Irrigation | App | 4 18 18 | 1.6 | | | Can |
| 4589 | 9 14 17 | Copper Canyon Mining Co., Long Creek | Mining | App | 4 3 18 | 1.0 | | | P.B.U. |
| 4599 | 9 24 17 | James C. Riordan, Haggerty Creek | Irrigation | App | 2 15 18 | 0.4 | | | Cert |
| 4611 | 9 28 17 | L. M. McArthur, White River | Stock | App | 9 17 18 | 0.025 | | | Can |
| 4614 | 10 4 17 | Wm. Mathews, Jr., Mathew Spring | Irrigation | App | 6 10 22 | 0.5 | | | |
| 4705 | 11 17 17 | Mrs. M. E. Spencer, Dutch Creek | Irrigation | App | 5 8 22 | 0.4 | | | |
| 4720 | 11 19 17 | C. N. Castle and J. P. Wright, White River Reservoir | Stock | App | 5 8 22 | 10 acre-feet | | | P.B.U. |
| 4795 | 12 19 17 | Ida Beaumann, Pat Canyon Creek | Irrigation | App | 5 18 18 | 1.0 | | | Cert |
| 4799 | 12 22 17 | Jas. T. Deacy, Cherry Creek | Irrigation | App | 3 15 22 | 0.03 | | | |
| 4804 | 12 28 17 | Emery G. Johnson, Unnamed Springs | Irrigation-Stock | App | 5 14 18 | 0.8 | | | P.B.U. |
| 4805 | 12 28 17 | Emery G. Johnson, Unnamed Springs | Irrigation-Stock | App | 5 14 18 | 0.4 | | | P.B.U. |

## STATUS OF APPLICATIONS—*Continued*

| *Serial No.* | *Date of filing* | *Applicant and Source* | *Purpose* | *Action on application* | *Amount in c.f.s.* | *Permit action* |
|---|---|---|---|---|---|---|
| 4806 | 12 28 17 | Emery G. Johnson, Unnamed Springs | Irrigation-Stock | App 5 14 18 | 0.6 | P.B.U. |
| 4811 | 1 2 18 | P. A. Simon, Wild Horse Spring | Mining & Milling | App 6 13 18 | 0.1 | Cert |
| 4812 | 1 2 18 | John F. Wamboldt, Edwards Spring | Irrigation | App 5 18 18 | 3.0 | Wdn |
| 4828 | 1 8 18 | Nevada Humboldt Tungsten Mining Co., Compressor Spring | Mining & Milling | App 6 7 22 | 1.6 | |
| 4858 | 1 22 18 | Sharp Land and Cattle Co., Young Springs | Stock | App 11 20 18 | 0.025 | P.B.U. |
| 4898 | 2 11 18 | James Ryan, Roadside Springs | Irrigation | App 12 6 18 | 1.6 | P.B.U. |
| 4922 | 2 19 18 | Jay H. Clemons, Salt Well | Stock | App 11 5 19 | 0.05 | P.B.U. |
| 4923 | 2 19 18 | Jay H. Clemons, West Well | Stock | App 11 5 19 | 0.05 | P.B.U. |
| 4924 | 2 19 18 | Jay H. Clemons, Stinking Well | Stock | App 11 5 19 | 0.05 | P.B.U. |
| 4925 | 2 19 18 | Jay H. Clemons, North Well | Stock | App 11 5 19 | 0.05 | P.B.U. |
| 4926 | 2 19 18 | Jay H. Clemons, East Well | Stock | App 11 5 19 | 0.05 | P.B.U. |
| 4941 | 2 27 18 | Spruce Monarch Com. Mining Co., Town Springs | Mining | App 7 1 18 | 0.5 | Cert |
| 4957 | 3 12 18 | Geo. N. Fish, East Walker River | Irrigation | App 1 17 22 | 0.4 | |
| 4958 | 3 12 18 | Martin Oyarcabal, Big Creek | Irrigation | App 2 8 22 | 0.8 | |
| 4974 | 3 23 18 | Henry James Schlarman, Meadow Valley Wash | Irrigation | App 6 26 19 | 0.45 | P.B.U. |
| 4987 | 4 3 18 | Thomas Fisherman, Cottonwood Creek | Irrigation | App 11 4 19 | 0.179 | Can |
| 5020 | 4 25 18 | Henry Hagar, Cash Cabin Spring | Stock | App 6 25 19 | 0.025 | Cert |
| 5023 | 4 25 18 | Henry Hagar, Unnamed Spring | Stock | App 7 25 19 | 0.025 | Cert |
| 5024 | 4 25 18 | Henry Hagar, Pony Springs | Stock | App 6 25 19 | 0.025 | Cert |
| 5025 | 4 25 18 | Henry Hagar, Overland Road Stage Station Spring | Stock | App 6 25 19 | 0.025 | Cert |
| 5049 | 5 3 18 | W. J. Loring, Olsen Creek Spring | Mining | App 6 7 22 | 0.25 | |
| 5052 | 5 4 18 | Annette D. Lewis, East Walker River | Irrigation | App 2 4 22 | 0.93 | |
| 5081 | 5 21 18 | W. J. Loring, Olsen Creek | Mining | App 6 7 22 | 0.125 | |
| 5106 | 6 10 18 | Morris Isaac, Grouse Spring | Irrigation | App 6 9 21 | 0.4 | Cert |
| 5165 | 7 23 18 | Frank L. Lathrop, Fairbanks Spring | Irrigation | App 12 28 18 | 1.6 | Wdn |
| 5177 | 7 29 18 | O. C. Houghton, Cedar Spring | Stock | App 12 30 19 | 0.025 | P.B.U. |
| 5185 | 7 30 18 | A. G. Burton, Unnamed Spring | Mining | App 7 1 19 | 0.4 | Can |
| 5203 | 8 12 18 | Chas. C. Norton, Mountain Spring | Stock | App 1 20 19 | 0.025 | Cert |
| 5204 | 8 12 18 | Chas. C. Norton, Canyon Spring | Stock | App 1 20 19 | 0.025 | Cert |
| 5205 | 8 14 18 | Archibald E. Allen, Humboldt River | Irrigation | App 4 25 19 | 1.1 | P.B.U. |
| 5226 | 8 23 18 | Martin Etchemendy, Squaw Well Spring | Stock | App 10 21 19 | 0.02 | Cert |
| 5227 | 8 23 18 | Chas. C. Norton, Norton Spring | Irrigation | App 1 20 19 | 0.25 | Cert |
| 5235 | 8 28 18 | John Ubalde, Robbers Roost Spring | Stock | App 3 10 20 | 0.025 | Cert |
| 5250 | 9 20 18 | Clement Maggini, Monroe Spring No. 2 | Stock | App 10 28 19 | 0.025 | Can |
| 5251 | 9 20 18 | Clement Maggini, Maggini Spring No. 2 | Stock | App 10 28 19 | 0.025 | Can |
| 5275 | 10 4 18 | C. E. Wedertz and E. H. Sweetland, Bodie and Rough Creeks | Irrigation | App 1 17 22 | 4000 acre-feet | |
| 5282 | 10 11 18 | Ambro Rosaschi, Twilight Spring | Stock | App 6 16 19 | 0.025 | P.B.U. |
| 5283 | 10 11 18 | Ambro Rosaschi, Butler Springs | Stock | App 6 16 19 | 0.025 | P.B.U. |
| 5285 | 10 11 18 | Ambro Rosaschi, Summit Spring | Stock | App 10 24 19 | 0.025 | Cert |
| 5287 | 10 11 18 | Ambro Rosaschi, Tank Spring | Stock | App 6 16 19 | 0.025 | P.B.U. |
| 5307 | 11 15 18 | E. A. Henrold, Rock Spring | Stock | App 8 23 19 | 0.025 | Cert |
| 5308 | 11 15 18 | Wm. Henrold, Lower Lanch Valley Spring | Stock | App 8 23 19 | 0.025 | Cert |
| 5316 | 11 20 18 | Alex. J. Mackie, Et Al., Pahroc and Highland Watersheds | Stock | App 8 22 19 | 0.025 | Cert |
| 5318 | 11 20 18 | A. J. Mackie, Et Al., Watershed of Pahroc Range and Flat, Etc. | Stock | App 8 22 19 | 0.025 | Cert |
| 5334 | 12 16 18 | Chas. H. Taylor, Slade Spring | Stock | App 7 25 19 | 0.025 | Cert |
| 5335 | 12 16 18 | Chas. H. Taylor, Mud Spring | Stock | App 7 25 19 | 0.025 | Cert |
| 5346 | 1 6 19 | Acy Cline, Cave Spring | Stock | App 1 10 21 | 0.006 | Can |
| 5347 | 1 6 19 | Acy Cline, Valendo Spring | Stock | App 1 10 21 | 0.006 | Can |
| 5350 | 1 9 19 | Frank J. Inman, Seepage and Underground Water | Irrigation | App 12 23 19 | 0.4 | P.B.U. |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 5358 | 1 17 19 | Aey Cline, Unnamed Spring | Stock | App | 1 10 21 | 0.006 | | | Can |
| 5359 | 1 17 19 | Aey Cline, Coyote Hole Spring | Stock | App | 1 10 21 | 0.006 | | | Can |
| 5360 | 1 17 19 | Aey Cline, North Spring | Stock | App | 1 10 21 | 0.006 | | | Can |
| 5361 | 1 17 19 | Aey Cline, Mud Spring | Stock | App | 1 10 21 | 0.006 | | | Can |
| 5364 | 1 20 19 | John B. Yount, Well | Stock | App | 5 4 20 | 0.025 | | | Cert |
| 5366 | 1 22 19 | Walter L. Bell, Bodie Creek | Irrigation | App | 1 17 22 | 3.2 | | | |
| 5367 | 1 22 19 | Imogene D. Bell, Bodie Creek | Irrigation | App | 1 17 22 | 2.0 | | | |
| 5375 | 1 29 19 | Alma Woods, Warm Spring | Stock | App | 1 7 20 | 0.025 | | | Cert |
| 5379 | 2 1 19 | Gust G. Rahas, Lamoille Creek | Irrigation | App | 11 17 22 | 0.6 | | | |
| 5387 | 2 11 19 | J. F. Vogel, Cow Creek | Irrigation | App | 11 17 20 | 1.8 | | | Can |
| 5412 | 3 10 19 | L. B. Glafcke and W. G. Ripley, Warm Spring | Irrigation | Den | 11 16 22 | | | | |
| 5462 | 4 25 19 | John C. Wholey, Big Creek | Irrigation | Den | 3 24 22 | | | | |
| 5463 | 4 26 19 | Byron Shelly Howard, Granite Creek | Irrigation-Stock | App | 6 6 20 | 0.4 | | | Can |
| 5482 | 5 3 19 | Peter Frenzl Estate, Cherry Creek and Frenzl Spring | Irrigation | App | 3 15 22 | 0.35 | | | |
| 5483 | 5 5 19 | Adams-McGill Co., White River Slough | Irrigation | App | 6 17 22 | 10.00 | | | |
| 5498 | 5 14 19 | John C. Wholey, Veatches Canyon | Irrigation | Den | 3 24 22 | | | | |
| 5501 | 5 16 19 | Dr. C. E. McCafferty, Indian Spring | Stock | App | 3 23 20 | 0.025 | | | P.B.U. |
| 5524 | 6 3 19 | Sylvain Siard, Summit Springs | Stock | App | 11 24 19 | 0.025 | | | P.B.U. |
| 5529 | 6 7 19 | Ottillio O. Tognini, Tognini Spring | Stock | App | 12 17 19 | 0.025 | | | Cert |
| 5530 | 6 7 19 | Ottillio O. Tognini, Twin Springs | Stock | App | 12 17 19 | 0.025 | | | Cert |
| 5532 | 6 9 19 | Charles A. Hendel, Hendel Canyon Springs | Irrigation-Stock | App | 1 27 21 | 2.0 | | | Can |
| 5540 | 6 14 19 | T. R. Chatom and J. J. Vignolo, Tula George Spring | Stock | App | 1 16 22 | 0.0019 | | | P.B.U. |
| 5545 | 6 17 19 | F. L. Lathrop, Bell Spring | Irrigation | App | 1 16 22 | 1.6 | | | |
| 5562 | 6 23 19 | J. W. Henrold, Mallory Spring | Stock | App | 6 6 20 | 0.0125 | | | Cert |
| 5563 | 6 23 19 | E. A. and F. Henrold, Lows Canyon | Stock | App | 6 6 20 | 0.0125 | | | Cert |
| 5564 | 6 23 19 | Pete Marliuch, Unnamed Spring | Stock | App | 6 6 20 | 0.0125 | | | P.B.U. |
| 5571 | 6 23 19 | Andrew Boundy, Sharpe Creek | Stock | App | 7 5 22 | 0.0125 | | | |
| 5572 | 6 23 19 | Andrew Boundy, Middle Creek | Stock | App | 7 5 22 | 0.0125 | | | |
| 5582 | 6 27 19 | Nick Ratto, Water Canyon | Irrigation-Stock | App | 4 9 20 | 0.048 | | | Cert |
| 5583 | 6 28 19 | H. R. Lemaire, Long Creek and Spring | Mining | App | 4 11 22 | 1.0 | | | |
| 5597 | 7 8 19 | J. H. Goodman, Unnamed Spring | Irrigation | App | 1 9 21 | 0.15 | | | Can |
| 5603 | 7 10 19 | J. J. Helkum, Shady Run Canyon | Milling-Irrigation | App | 3 10 20 | 0.1 | | | P.B.U. |
| 5607 | 7 12 19 | J. Fred Vogel, Donnelly Creek | Irrigation | App | 11 17 20 | 1.2 | | | Can |
| 5640 | 7 28 19 | Mike Sala, Black Rock Spring | Stock | Den | 6 6 22 | | | | |
| 5646 | 7 1 19 | E. L. Nores, Quartz Spring | Stock | App | 10 5 20 | 0.015 | | | P.B.U. |
| 5655 | 8 4 19 | Nevada Buster Co., Spring and Tiger Canyon | Power, Min., Mill | Den | 3 23 22 | | | | |
| 5668 | 8 13 19 | D. E. Moore, Moore's Springs | Mining | App | 6 17 22 | 2.0 | | | |
| 5671 | 8 15 19 | J. T. Clark, Spring | Irrigation | App | 8 28 22 | 0.05 | | | |
| 5682 | 8 21 19 | T. H. Chatom and J. J. Vignolo, Ben Grant Spring | Stock | App | 6 7 20 | 0.0015 | | | Cert |
| 5718 | 9 8 19 | Joe Yragui, Mahogany Springs | Stock | Den | 3 24 22 | | | | |
| 5720 | 9 10 19 | W. E. Beck, Gold Springs | Stock | App | 5 24 20 | 0.025 | | | P.B.U. |
| 5721 | 9 10 19 | W. E. Beck, Big Timber Springs | Stock | App | 5 24 20 | 0.025 | | | P.B.U. |
| 5722 | 9 10 19 | W. E. Beck, Rock Springs | Stock | App | 5 24 20 | 0.0125 | | | Wdn |
| 5723 | 9 10 19 | W. E. Beck, Bill Smith Springs | Stock | App | 5 24 20 | 0.025 | | | P.B.U. |
| 5733 | 9 11 19 | J. M. Simmons, Nigger Creek | Irrigation | App | 5 6 22 | 1.6 | | | |
| 5754 | 9 22 19 | Adams-McGill Co., Edward Spring | Stock | App | 5 25 20 | 0.0125 | | | Cert |
| 5765 | 9 24 19 | Angelo Cartago, Cherry Springs | Irrigation | App | 5 18 20 | 0.4 | | | Wdn |
| 5770 | 9 26 19 | Louis Saroni, West Walker River | Irrigation-Stock | Wdn | 6 1 22 | | | | |
| 5778 | 9 29 19 | Samuel R. Clark, Et Al., Unnamed Spring | Stock | App | 6 21 22 | 0.015 | | | |
| 5779 | 9 29 19 | Samuel R. Clark, Et Al., Unnamed Spring | Stock | App | 6 21 22 | 0.015 | | | |
| 5780 | 9 29 19 | Samuel R. Clark, Et Al., Unnamed Spring | Stock | App | 6 21 22 | 0.015 | | | |
| 5806 | 10 15 19 | John B. Yount, Stump Springs | Stock | App | 5 4 20 | 0.0045 | | | Cert |
| 5816 | 10 20 19 | Pete Marliuch, Petes Spring | Stock | App | 5 17 20 | 0.0018 | | | P.B.U. |

## Status of Applications—*Continued*

| Serial No. | Date of filing | Applicant and Source | Purpose | Action on application | Amount in c.f.s. | Permit action |
|---|---|---|---|---|---|---|
| 5817 | 10 22 19 | Adams-McGill Co., Jamestown Spring | Stock | App 5 25 20 | 0.015 | Cert |
| 5818 | 10 22 19 | Adams-McGill Co., Akron Spring | Stock | App 5 25 20 | 0.015 | Cert |
| 5824 | 10 29 18 | Martin Oyarcabal, Et Al., Big Creek | Irrigation-Stock | App 2 8 22 | 2.2 | |
| 5825 | 10 29 19 | Martin Oyarcabal, Et Al., Pole Creek | Irrigation-Stock | App 2 8 22 | 1.254 | |
| 5823 | 10 29 19 | Martin Oyarcabal, Bucharoo Creek | Irrigation-Stock | App 2 8 22 | 0.65 | |
| 5811 | 11 6 19 | Emma D. and W. S. Branch, Open Cuts | Irrigation | Den 3 24 22 | | |
| 5817 | 11 8 19 | Guy M. Terry, Camp Spring | Stock | App 8 28 20 | 0.0225 | Cert |
| 5818 | 11 8 19 | Adams-McGill Co., Buffalo Spring | Stock | App 5 25 20 | 0.015 | P.B.U. |
| 5819 | 11 8 19 | Adams-McGill Co., New York Spring | Stock | App 5 25 20 | 0.015 | Cert |
| 5850 | 11 8 19 | Adams-McGill Co., Girard Spring | Stock | App 5 25 20 | 0.015 | Cert |
| 5855 | 11 12 19 | Adams-McGill Co., Rocco Spring | Stock | App 5 25 20 | 0.015 | Cert |
| 5856 | 11 12 19 | Adams-McGill Co., Clock Spring | Stock | App 5 25 20 | 0.015 | Cert |
| 5858 | 11 14 19 | Adams-McGill Co., Band Spring | Stock | App 5 25 20 | 0.015 | Cert |
| 5859 | 11 15 19 | Adams-McGill Co., Niagara Spring | Stock | App 5 25 20 | 0.015 | Cert |
| 5898 | 12 9 19 | J. T. Clark, Spring | Irrigation | App 8 28 22 | 0.4 | |
| 5899 | 12 9 19 | J. T. Clark, Overflow water | Irrigation | App 8 28 22 | 0.4 | |
| 5902 | 12 12 19 | R. L. Johns and Peter Fox, Gila Canyon | Milling | App 6 10 20 | 0.25 | Can |
| 5903 | 12 12 19 | W. A. Marsh and Tony Marteletti, Willow Spring | Irrigation | App 10 7 20 | 4.0 | Wdn |
| 5918 | 12 22 19 | Goldfield Con. Water Co., Cortez Spring | Mining-Mfg. | App 12 20 20 | 0.25 | Cert |
| 5919 | 12 24 19 | Elko-Lamoille Power Co., Lamoille Creek | Power | App 10 9 22 | 11.0 | |
| 5922 | 12 24 19 | Blanch Stard, Underground Water | Irrigation | App 1 25 21 | 6.4 | Wdn |
| 5924 | 12 26 19 | Antelope Valley Land and Cattle Co., Walker River | Irrigation-Stock | App 8 15 22 | 119.88 | |
| 5930 | 1 5 20 | Adams-McGill Co., Meloy Well | Stock | App 5 25 20 | 0.025 | P.B.U. |
| 5944 | 1 12 20 | Harry E. Anderson, Unnamed Spring | Domestic | App 4 30 21 | 0.025 | P.B.U. |
| 5946 | 1 12 20 | W. S. Hyde, Hyde Springs | Stock | App 6 10 20 | 0.003 | P.B.U. |
| 5947 | 1 12 20 | W. S. Hyde, Willow Spring | Stock | App 6 10 20 | 0.003 | P.B.U. |
| 5951 | 1 16 20 | E. M. Farrow, Three Artesian Wells | Irrigation | App 1 25 22 | 1.6 | |
| 5965 | 1 27 20 | L. H. Murdock, Five-Mile Spring | Milling | App 11 18 20 | 0.075 | Can |
| 5976 | 2 6 20 | Adams-McGill Co., Black Jack Springs Nos. 1 and 2 | Stock | App 5 25 20 | 0.018 | P.B.U. |
| 5977 | 2 6 20 | Adams-McGill Co., Badger Hole Spring | Stock-Irrigation | App 5 25 20 | 0.02 | P.B.U. |
| 5979 | 2 10 20 | Milo A. Caine, Perotte Spring | Stock | App 8 28 20 | 0.003 | Cert |
| 5980 | 2 10 20 | Milo A. Caine, Cedar Corral Spring | Stock | App 8 28 20 | 0.003 | Cert |
| 5981 | 2 10 20 | Milo A. Caine, Wood Chopper Springs | Stock | App 8 28 20 | 0.003 | Cert |
| 5992 | 2 23 20 | J. T. Clark, Underground Water | Irrigation | App 8 28 22 | 1.0 | |
| 5998 | 2 27 20 | E. E. Palmer, Lower Indian Spring | Stock | App 5 8 22 | 0.004 | |
| 6007 | 3 5 20 | John Adams, Pony Spring | Stock | App 8 28 20 | 0.003 | P.B.U. |
| 6019 | 3 18 20 | Eugene F. Marker, Cow Creek | Irrigation | App 7 20 22 | 1.5 | |
| 6020 | 3 19 20 | Gold Note Mining Co., Mazzen Spring | Mining & Milling | App 5 8 22 | 0.025 | |
| 6022 | 3 20 20 | T. H. Chatom and J. J. Vignolo, Rock Spring | Stock | App 1 16 22 | 0.006 | P.B.U. |
| 6024 | 3 20 20 | Clarence M. Dangberg, Unnamed Spring | Stock | App 8 15 22 | 0.025 | |
| 6031 | 3 27 20 | T. H. Chatom and J. J. Vignolo, Speel Spring | Stock | App 1 16 22 | 0.006 | P.B.U. |
| 6044 | 4 2 20 | Herman Tiedge, Hogreffe Slough | Irrigation-Stock | App 4 11 22 | 0.05 | P.B.U. |
| 6047 | 4 3 20 | Sharp Land and Cattle Company, Springs | Irrigation-Stock | App 3 17 22 | 0.9750 | |
| 6054 | 4 14 20 | Lawrence Bracken and Ernest Higbee, Tank Spring | Stock | Den 8 1 22 | | |
| 6056 | 4 14 20 | Lino P. Arena, Birch Creek | Irrigation | App 1 17 22 | 0.08 | |
| 6057 | 4 14 20 | Lino P. Arena, Red Spring Creek | Irrigation | App 1 17 22 | 0.65 | |
| 6061 | 4 21 20 | Ernest G. Ward and Lyman Armfield, Virgin River | Irrigation | App 2 23 22 | 1.6 | |
| 6062 | 4 22 20 | Joseph Rosevear, Mud Spring | Stock | App 11 9 20 | 0.003 | Cert |
| 6082 | 4 30 20 | Robert T. Bass, Unnamed Spring | Irrigation-Stock | App 8 15 22 | 0.4 | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 6083 | 5 | 1 | 20 | K. E. Palmer, Upper Indian Spring | Stock | App | 5 | 8 | 22 | 0.001 | |
| 6085 | 5 | 3 | 20 | Pete Marlisch, Lockett Spring | Stock | App | 6 | 24 | 21 | 0.0125 | P.B.U. |
| 6086 | 5 | 3 | 20 | Pete Marlisch, Dugout Spring | Stock | App | 2 | 10 | 21 | 0.0125 | P.B.U. |
| 6094 | 5 | 6 | 20 | Henry H. Lee and F. C. Pace, West Side Spring | Stock | App | 1 | 17 | 22 | 0.000 | |
| 6095 | 5 | 6 | 20 | Henry H. Lee and F. C. Pace, Conaway Spring | Stock | App | 1 | 17 | 22 | 0.000 | |
| 6113 | 5 | 12 | 20 | A. H. Norris, Willow Spring | Stock | Den | 7 | 10 | 22 | | |
| 6118 | 5 | 13 | 20 | Lance Anderson, Anderson Springs | Irrigation | Den | 7 | 10 | 22 | | |
| 6119 | 5 | 13 | 20 | Lance Anderson, Anderson Springs | Irrigation | Den | 7 | 10 | 22 | | |
| 6155 | 6 | 7 | 20 | W. V. Walker, The Seeps | Stock | App | 2 | 7 | 21 | 0.015 | Can |
| 6168 | 6 | 12 | 20 | J. W. Mallory, Little Squaw Creek | Irrigation | Wdn | 9 | 8 | 22 | | |
| 6170 | 6 | 14 | 20 | Mike Sala, Black Rock Spring | Stock | App | 12 | 6 | 22 | 0.013 | |
| 6186 | 6 | 23 | 20 | J. B. Gallagher, Et Al., Walker River | Irrigation-Stock | App | 8 | 15 | 22 | 27.52 | |
| 6191 | 7 | 2 | 20 | Peters Bros., Rose Springs | Stock | App | 7 | 1 | 21 | 0.021 | Can |
| 6205 | 7 | 16 | 20 | R. J. Pierron, Willow Spring | Mining - Power | App | 2 | 9 | 21 | 1.0 | Wdn |
| 6227 | 8 | 4 | 20 | Dan W. Devaney, Devaney Spring | Stock | App | 2 | 8 | 22 | 0.006 | |
| 6236 | 8 | 14 | 20 | Henry A. Williams, Et Al., Walker River | Irrigation-Stock | App | 6 | 30 | 22 | 4.5 | |
| 6238 | 4 | 19 | 20 | Star of the West Mining Co., Star Spring | Mining & Milling | App | 12 | 20 | 21 | 0.5 | Cert |
| 6239 | 4 | 19 | 20 | Star of the West Mining Co., Arctic Spring | Mining & Milling | App | 12 | 20 | 21 | 0.5 | Cert |
| 6240 | 8 | 23 | 20 | E. A. Henrold, Lottes Canyon Creek | Stock | App | 2 | 7 | 21 | 0.022 | Cert |
| 6246 | 8 | 30 | 20 | Andre Domecq, Willow Spring | Stock | App | 10 | 5 | 22 | 0.003 | |
| 6267 | 9 | 18 | 20 | Edwin E. Van Riper, Nellie Spring | Irrigation | App | 6 | 19 | 22 | 0.15 | |
| 6271 | 9 | 28 | 20 | John Etchepare, Malatesta Spring | Stock | Den | 11 | 16 | 22 | | |
| 6288 | 10 | 4 | 20 | E. A. Henrold, Burlington Canyon | Stock | App | 2 | 7 | 21 | 0.0125 | Cert |
| 6290 | 10 | 4 | 20 | E. A. and Fred Henrold, Lower Callahan Spring | Stock | App | 7 | 1 | 22 | 0.0125 | |
| 6291 | 10 | 4 | 20 | E. A. and Fred Henrold, Castle Valley | Stock | App | 2 | 7 | 21 | 0.0125 | Cert |
| 6295 | 10 | 7 | 20 | A. V. Lee and Wm. Keele, Jr., Unnamed Spring | Stock | App | 2 | 21 | 22 | 0.007 | |
| 6315 | 11 | 3 | 20 | S. P. Osborne, Churchill Canyon | Irrigation | App | 6 | 19 | 22 | 1.2 | |
| 6328 | 11 | 19 | 20 | Joseph J. Riffe, Buck Creek | Irrigation | Wdn | 1 | 13 | 22 | | |
| 6330 | 11 | 19 | 20 | G. B. Pugh, Churchill Canyon | Irrigation | Wdn | 5 | 22 | 22 | | |
| 6336 | 11 | 26 | 20 | Lionard L. & L. Co., Washoe Spring | Stock | App | 4 | 20 | 22 | 0.015 | |
| 6362 | 12 | 23 | 20 | John P. Foremaster, Grainger Spring | Irrigation | Den | 11 | 16 | 22 | | |

## CERTIFICATES ISSUED UNDER PERMITS, 1921

| Cert. No. | Book No. | Permit No. | Name and Source | Purpose | Amount | Date Issued |
|---|---|---|---|---|---|---|
| 501 | 4 | 3178 | John Miles, 76 Creek | Irrigation | 1.4 c.f.s. | 2 26 21 |
| 502 | 4 | 5300 | Frank Sigarini, Potato Creek | Irrigation | 1.05 c.f.s. | 2 26 21 |
| 503 | 4 | 2008 | Henry Anderson, Marshall Canyon | Irrigation | 1.216 c.f.s. | 3 1 21 |
| 504 | 4 | 2240 | Henry Anderson, Snow Water Stream | Irrigation | 0.0078 c.f.s. | 3 1 21 |
| 505 | 4 | 2241 | Henry Anderson, Silver Lake | Irrigation | 0.0088 c.f.s. | 3 1 21 |
| 506 | 4 | 2971 | Charles W. Young, Plute Creek | Irrigation | 0.0948 c.f.s. | 3 1 21 |
| 507 | 4 | 3380 | John A. Sharp, Birch Creek | Irrigation | 0.1934 c.f.s. | 3 1 21 |
| 508 | 4 | 4560 | L. S. Corey, Lewis Spring | Stock | 0.003 c.f.s. | 3 1 21 |
| 509 | 4 | 4552 | Utah Construction Co., Long Canyon Spring | Stock | 0.003 c.f.s. | 3 3 21 |
| 510 | 4 | 4555 | Utah Construction Co., Unnamed Spring | Stock | 0.0045 c.f.s. | 3 3 21 |
| 511 | 4 | 4557 | Utah Construction Co., Sam Baker Spring | Stock | 0.009 c.f.s. | 3 3 21 |
| 512 | 4 | 4558 | Utah Construction Co., Unnamed Spring | Stock | 0.0015 c.f.s. | 3 3 21 |
| 513 | 4 | 4559 | Utah Construction Co., Unnamed Spring | Stock | 0.006 c.f.s. | 3 3 21 |
| 514 | 4 | 4560 | Utah Construction Co., Unnamed Spring | Stock | 0.006 c.f.s. | 3 3 21 |
| 515 | 4 | 4561 | Utah Construction Co., Unnamed Spring | Stock | 0.0075 c.f.s. | 3 3 21 |
| 516 | 4 | 4562 | Utah Construction Co., Unnamed Spring | Stock | 0.003 c.f.s. | 3 3 21 |
| 517 | 4 | 5143 | M. L. Lee, Cottonwood Stream | Stock | 0.015 c.f.s. | 3 7 21 |
| 518 | 4 | 4908 | J. H. Cornell, Belmont Spring | Irrigation | 0.078 c.f.s. | 3 7 21 |
| 519 | 4 | 5131 | J. H. Cornell, Mexican, Garden and Mill | Irrigation | 0.068 c.f.s. | 3 7 21 |
| 520 | 4 | 4827 | Herbert Nay and J. L. Hancock, Grape Vine Spring | Stock | 0.0015 c.f.s. | 3 7 21 |
| 521 | 4 | 4639 | United Packing and Cattle Co., Cedar Spring or Well | Stock | 0.025 c.f.s. | 3 7 21 |
| 522 | 4 | 5378 | H. F. Powell, Sheep Spring | Stock | 1.018 c.f.s. | 3 9 21 |
| 523 | 4 | 5909 | H. F. Powell, Willow Spring | Stock | 1.018 c.f.s. | 3 9 21 |
| 524 | 4 | 2190 | Charles Monohan, Dry Creek | Irrigation | 0.6162 c.f.s. | 3 9 21 |
| 525 | 4 | 4931 | Dan and Clyde Matthews, Iron Tank Spring | Stock | 0.003 c.f.s. | 3 10 21 |
| 526 | 4 | 5356 | R. G. Goodam, Bullfrog Spring | Stock | 0.0022 c.f.s. | 3 10 21 |
| 527 | 4 | 5168 | Jake Steiner, Little Mammoth Spring | Irrigation | 0.05 c.f.s. | 3 10 21 |
| 528 | 4 | 5169 | Jake Steiner, Little Indian Spring | Irrigation | 0.075 c.f.s. | 3 10 21 |
| 529 | 4 | 4879 | Sharp Land and Cattle Co., Little Davis Spring | Stock | 0.025 c.f.s. | 3 10 21 |
| 530 | 4 | 4890 | Sharp Land and Cattle Co., Unnamed Spring | Stock | 0.025 c.f.s. | 3 10 21 |
| 531 | 4 | 5033 | Martin Etchemendy, Needle Spring No. 2 | Stock | 0.022 c.f.s. | 3 11 21 |
| 532 | 4 | 5034 | Martin Etchemendy, Needle Spring No. 1 | Stock | 0.022 c.f.s. | 3 11 21 |
| 533 | 4 | 5035 | Willow Creek Livestock Co., Martin Spring | Stock | 0.025 c.f.s. | 3 12 21 |
| 534 | 4 | 5036 | Willow Creek Livestock Co., Rock Spring | Stock | 0.025 c.f.s. | 3 12 21 |
| 535 | 4 | 5037 | Willow Creek Livestock Co., Buck Spring | Stock | 0.025 c.f.s. | 3 12 21 |
| 536 | 4 | 5038 | Willow Creek Livestock Co., Dry Lake Well | Stock | 0.025 c.f.s. | 3 12 21 |
| 537 | 4 | 5039 | Willow Creek Livestock Co., White Rock Spring | Stock | 0.025 c.f.s. | 3 12 21 |
| 538 | 4 | 5040 | Willow Creek Livestock Company, Couge Spring | Stock | 0.025 c.f.s. | 3 12 21 |
| 539 | 4 | 5041 | Willow Creek Livestock Co., Horse Spring | Stock | 0.025 c.f.s. | 3 12 21 |
| 540 | 4 | 5071 | Geyser Land and Cattle Co., Antelope Spring | Stock | 0.015 c.f.s. | 3 15 21 |
| 541 | 4 | 5072 | Geyser Land and Cattle Co., Burnt Corral Spring | Stock | 0.015 c.f.s. | 3 15 21 |
| 542 | 4 | 5073 | Geyser Land and Cattle Co., Rosebud Spring | Stock | 0.015 c.f.s. | 3 15 21 |
| 543 | 4 | 4916 | O. C. Houghton, Houghton Spring | Stock | 0.003 c.f.s. | 3 15 21 |
| 544 | 4 | 4917 | O. C. Houghton, Squab Spring | Stock | 0.003 c.f.s. | 3 15 21 |
| 545 | 4 | 5178 | O. C. Houghton, Lower Leadville Spring | Stock | 0.0015 c.f.s. | 3 15 21 |
| 546 | 4 | 5293 | J. Henry Goodman, Wild Cat Spring | Stock | 0.0125 c.f.s. | 3 15 21 |
| 547 | 4 | 5294 | J. Henry Goodman, Little Spring | Stock | 0.003 c.f.s. | 3 15 21 |
| 548 | 4 | 5114 | Arthur Smith, Smith Spring | Stock | 0.003 c.f.s. | 3 15 21 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 549 | 4 | 5175 | Gr. Saddubehere, Saddubehere Spring | Stock | 0.025 c.f.s. | 3 15 21 |
| 550 | 4 | 5176 | Gr. Saddubehere, Youngs Canyon Spring | Stock | 0.025 c.f.s. | 3 15 21 |
| 551 | 4 | 4656 | Clay Springs Cattle Co., Deer Creek | Irrigation | 0.05 c.f.s. | 3 25 21 |
| 552 | 4 | 4054 | Edward Wagner, Spencer Spring No. 1 | Milling | 0.01 c.f.s. | 4 8 21 |
| 553 | 4 | 4178 | Edward Wagner, Underground Water | Milling | 0.01 c.f.s. | 4 8 21 |
| 554 | 4 | 2860 | N. H. Morrison, Morrison Spring | Irrigation | 0.3545 c.f.s. | 4 28 21 |
| 555 | 4 | 5026 | David F. Evans, Streib Spring | Irrigation | 0.1 c.f.s. | 5 27 21 |
| 556 | 4 | 5006 | Fred M. Fulstone, Fulstone Spring No. 1 | Stock | 0.015 c.f.s. | 5 27 21 |
| 557 | 4 | 5007 | Fred M. Fulstone, Fulstone Spring No. 2 | Stock | 0.015 c.f.s. | 5 27 21 |
| 558 | 4 | 5008 | Fred M. Fulstone, Fulstone Spring No. 3 | Stock | 0.015 c.f.s. | 5 27 21 |
| 559 | 4 | 4782 | United Cattle and Packing Co., Spanish Spring | Stock | 0.025 c.f.s. | 5 27 21 |
| 560 | 4 | 4999 | Chango & Aldax, Star Canyon Spring | Irrigation | 0.0125 c.f.s. | 5 27 21 |
| 561 | 4 | 3154 | J. E. Rose, Trail Canyon Creek | Irrigation | 0.4 c.f.s. | 7 28 21 |
| 562 | 4 | 5499 | George Doyle and Russel Mayle and George Cheeney, Dry Gulch | Placer Mining | 5.0 c.f.s. | 9 29 21 |
| 563 | 4 | 5884 | A. Jensen, Jr., Jensen Spring | Stock | 0.006 c.f.s. | 12 21 21 |
| 564 | 4 | 4250 | Mineral Production and Refining Co., South America Canyon | Mining | 0.025 c.f.s. | 12 20 21 |

## CERTIFICATES ISSUED UNDER PERMITS, 1922

| Cert. No. | Book No. | Permit No. | Name and Source | Purpose | Amount | Date Issued |
|---|---|---|---|---|---|---|
| 565 | 4 | 2588 | Hiram Stoker, Underground Water | Irrigation | 1.2895 c.f.s. | 1 13 22 |
| 566 | 4 | 2878 | Augustina Itcalna, Stag Creek | Irrigation | 0.593 c.f.s. | 1 18 22 |
| 567 | 4 | 3188 | Washington Rogers, Nigger Creek | Irrigation | 1.6 c.f.s. | 1 18 22 |
| 568 | 4 | 5285 | Ambro Pasaschi, Summit Spring | Stock | 0.025 c.f.s. | 1 18 22 |
| 569 | 4 | 2869 | Emery G. Johnson, Deep Creek | Irrigation | 1.896 c.f.s. | 1 18 22 |
| 570 | 4 | 4795 | Ida Baumann, Pat Canyon | Irrigation | 0.23 c.f.s. | 2 8 22 |
| 571 | 4 | 5682 | T. H. Chatom and J. J. Vignolo, Ben Grant Spring | Stock | 0.0015 c.f.s. | 2 8 22 |
| 572 | 4 | 3759 | Theo. Staff, Sheridan Creek | Irrigation | 1.041 c.f.s. | 2 8 22 |
| 573 | 4 | 2845 | Western Pacific Railroad Co., Miners Canyon Spring | Town | 0.25 c.f.s. | 2 8 22 |
| 574 | 4 | 5018 | Goldfield Consolidation Water Co., Cartee Springs | Town | 0.25 c.f.s. | 2 8 22 |
| 575 | 4 | 2025 | G. Gallio, Star Canyon Spring | Irrigation | 0.4965 c.f.s. | 2 8 22 |
| 576 | 4 | 5100 | Maurice Isaac, Grouse Spring | Irrigation | 0.0025 c.f.s. | 2 8 22 |
| 577 | 4 | 3486 | Richard L. Wood, Woods Creek | Irrigation | 0.502 c.f.s. | 2 8 22 |
| 578 | 4 | 5235 | John Uhalde, Robbers Roost Spring | Stock | 0.015 c.f.s. | 2 8 22 |
| 579 | 4 | 5226 | Martin Etchemedry, Squaw Well Spring | Stock | 0.00445 c.f.s. | 2 8 22 |
| 580 | 4 | 3259 | Joseph L. Giroux, McAfee Creek | Irrigation | 1.0 c.f.s. | 2 8 22 |
| 581 | 4 | 5316 | Alex J. Mackie and S. E. Henrie, Watershed of Pahroc and Highland Ranges | Stock | 4 acre-feet | 2 8 22 |
| 582 | 4 | 5318 | Alex J. Mackie and S. E. Henrie, Watershed of Pahroc and Highland Ranges | Stock | 4 acre-feet | 2 8 22 |
| 583 | 4 | 3691 | Channing Marker, Trout Creek | Irrigation | 0.2256 c.f.s. | 2 8 22 |
| 584 | 4 | 2324 | Channing Marker, Trout Creek and Spring | Irrigation | 0.1496 c.f.s. | 2 8 22 |
| 585 | 4 | 5334 | C. H. Taylor, Slade Spring | Stock | 0.0125 c.f.s. | 2 8 22 |
| 586 | 4 | 5335 | C. H. Taylor, Mud Spring | Stock | 0.0125 c.f.s. | 2 8 22 |
| 587 | 4 | 5202 | Charles C. Norton, Mountain Spring | Stock | 0.004 c.f.s. | 2 8 22 |
| 588 | 4 | 5204 | Charles C. Norton, Canyon Spring | Stock | 0.004 c.f.s. | 2 8 22 |
| 589 | 4 | 5227 | Charles C. Norton, Norton Spring | Irrigation | 0.1 c.f.s. | 2 8 22 |
| 590 | 4 | 5079 | Milo A. Cain, Perotte Spring | Stock | 0.003 c.f.s. | 2 8 22 |
| 591 | 4 | 5080 | Milo A. Cain, Cedar Corral Spring | Stock | 0.003 c.f.s. | 2 8 22 |
| 592 | 4 | 5081 | Milo A. Cain, Wood Chopper Spring | Stock | 0.003 c.f.s. | 2 8 22 |
| 593 | 4 | 5020 | Henry Hagar, Cash Cabin Spring | Stock | 0.025 c.f.s. | 2 8 22 |

CERTIFICATES ISSUED UNDER PERMIT—*Continued*

| Cert. No. | Book No. | Permit No. | Name and Source | Purpose | Amount | Date Issued |
|---|---|---|---|---|---|---|
| 594 | 4 | 5023 | Henry Hagar, Unnamed Spring | Stock | 0.025 c.f.s. | 2 8 22 |
| 595 | 4 | 5024 | Henry Hagar, Pony Spring | Stock | 0.025 c.f.s. | 2 8 22 |
| 596 | 4 | 5025 | Henry Hagar, Overland Road Stage Station Spring | Stock | 0.025 c.f.s. | 2 8 22 |
| 597 | 4 | 5375 | Alma Woods, Warm Spring | Stock | 0.0015 c.f.s. | 2 8 22 |
| 598 | 4 | 2931 | Edith M. Myers, Rhodes Creek | Irrigation | 0.262 c.f.s. | 2 8 22 |
| 599 | 4 | 2932 | A. B. Myers, South Branch Baxter Creek | Irrigation | 0.189 c.f.s. | 2 8 22 |
| 600 | 4 | 2933 | E. E. Lutts, Baxter Creek | Irrigation | 2.12 c.f.s. | 2 8 22 |
| 601 | 4 | 3009 | Edith S. Lutts, Baxter Creek | Irrigation | 0.772 c.f.s. | 2 8 22 |
| 602 | 4 | 5307 | E. A. Henriod, Rock Spring | Stock | 0.0044 c.f.s. | 2 8 22 |
| 603 | 4 | 5308 | William Henriod, Lower Lunch Valley Spring | Stock | 0.01 c.f.s. | 2 8 22 |
| 604 | 4 | 5562 | T. W. Henriod, Mallory Canyon | Stock | 0.011 c.f.s. | 2 8 22 |
| 605 | 4 | 5563 | E. A. Henriod, Louis Canyon | Stock | 0.0125 c.f.s. | 2 8 22 |
| 606 | 4 | 6240 | E. A. Henriod, Lottes Canyon Creek | Stock | 0.0125 c.f.s. | 2 8 22 |
| 607 | 4 | 6288 | E. A. Henriod, Burlington Canyon | Stock | 0.006 c.f.s. | 2 8 22 |
| 608 | 4 | 6291 | Fred Henriod, Castle Valley Gulch | Stock | 0.0096 c.f.s. | 2 8 22 |
| 609 | 4 | 5754 | Adams-McGill Co., Edward Spring | Stock | 0.015 c.f.s. | 2 8 22 |
| 610 | 4 | 5817 | Adams-McGill Co., Jamestown Spring | Stock | 0.015 c.f.s. | 2 8 22 |
| 611 | 4 | 5818 | Adams-McGill Co., Akron Spring | Stock | 0.015 c.f.s. | 2 8 22 |
| 612 | 4 | 5819 | Adams-McGill Co., New York Spring | Stock | 0.015 c.f.s. | 2 8 22 |
| 613 | 4 | 5850 | Adams-McGill Co., Girard Spring | Stock | 0.015 c.f.s. | 2 8 22 |
| 614 | 4 | 5855 | Adams-McGill Co., Rocco Spring | Stock | 0.015 c.f.s. | 2 8 22 |
| 615 | 4 | 5856 | Adams-McGill Co., Clock Spring | Stock | 0.015 c.f.s. | 2 8 22 |
| 616 | 4 | 5858 | Adams-McGill Co., Band Spring | Stock | 0.015 c.f.s. | 2 8 22 |
| 617 | 4 | 5859 | Adams-McGill Co., Niagara Spring | Stock | 0.015 c.f.s. | 2 8 22 |
| 618 | 4 | 2189 | Martin Oyarzabal, Pole Creek | Irrigation | 0.2 c.f.s. | 2 8 22 |
| 619 | 4 | 3068 | Harry A. Day, Day Springs | Irrigation | 134.85 c.f.s. | 3 24 22 |
| 620 | 4 | 1299 | Edward McDermott, Lamoille Creek | Irrigation | 1.51 c.f.s. | 3 24 22 |
| 621 | 4 | 3780 | Harry Webb, Padelford Creek | Irrigation | 0.2929 c.f.s. | 3 24 22 |
| 622 | 4 | 2739 | Gerhard S. Schoer, Willow Creek | Irrigation | 1.339 c.f.s. | 3 30 22 |
| 623 | 4 | 2781 | W. T. Jenkins Co., Coon Creek | Irrigation | 0.082 c.f.s. | 3 30 22 |
| 624 | 4 | 4107 | D. Baroni & Co., Carson River | Irrigation | 0.41 c.f.s. | 3 31 22 |
| 625 | 4 | 6062 | Joseph A. Rosevear, Mud Spring | Stock | 0.0015 c.f.s. | 3 31 22 |
| 626 | 4 | 5806 | John B. Yount, Stump Spring | Stock | 0.0015 c.f.s. | 3 31 22 |
| 627 | 4 | 5304 | John B. Yount, Yount's Well | Stock | 0.001 c.f.s. | 3 31 22 |
| 628 | 4 | 5582 | Nick Ratto, Water Canyon Spring | Irrigation | 168.5 c.f.s. | 3 31 22 |
| 629 | 4 | 3513 | Byron A. Bohne, Horse Creek | Irrigation | 0.0958 c.f.s. | 3 31 22 |
| 630 | 4 | 3340 | Byron A. Bohne, Franklin River | Irrigation | 1.5581 c.f.s. | 3 31 22 |
| 631 | 4 | 4074 | Henry J. Schlarman, Meadow Valley Wash | Irrigation | 0.0896 c.f.s. | 3 31 22 |
| 632 | 4 | 2264 | W. B. Griffeth, Wood Gulch | Irrigation | 1.248 c.f.s. | 4 4 22 |
| 633 | 4 | 4941 | Spruce Monarch Consolidated Mining Co., Town Spring | Mining | 0.05 c.f.s. | 4 4 22 |
| 634 | 4 | 6239 | Star of West Mining Co., Arctic Spring | Milling | 0.25 c.f.s. | 4 4 22 |
| 635 | 4 | 6238 | Star of West Mining Co., Star Spring | Milling | 0.25 c.f.s. | 4 4 22 |
| 636 | 4 | 2770 | S. O. Cressler, Little Rye Patch Creek | Irrigation | 900 acre-feet | 4 4 22 |
| 637 | 4 | 4083 | David Langston, Tuledad Creek | Irrigation | 1.6 c.f.s. | 4 4 22 |
| 638 | 4 | 2241 | Burney Langston, Tuledad Creek | Irrigation | 1.5686 c.f.s. | 4 4 22 |
| 639 | 4 | 2671 | Domingo & Jose Arrascada, South Fork Humboldt River | Irrigation | 0.675 c.f.s. | 7 10 22 |
| 640 | 4 | 3205 | A. E. Allen, Humboldt River | Irrigation | 0.9536 c.f.s. | 7 10 22 |
| 641 | 4 | 2473 | John H. James, Eagle Canyon | Irrigation | 0.26 c.f.s. | 7 10 22 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 042 | 4 | 5944 | Harry E. Anderson, Unnamed Spring | Stock | 0.01 c.f.s. | 7 | 10 | 22 |
| 043 | 4 | 4589 | James C. Rordon, Haggerty Creek | Irrigation | 0.12 c.f.s. | 7 | 10 | 22 |
| 044 | 4 | 3931 | Ernest E. Murphy, Grass Valley Creek | Irrigation | 237.04 c.f.s. | 7 | 15 | 22 |
| 045 | 4 | 4373 | Florence McCoy, Salt Marsh | Irrigation | 1.9085 c.f.s. | 7 | 15 | 22 |
| 046 | 4 | 5529 | Otillio O. Tognini, Tognini Spring | Stock | 0.0125 c.f.s. | 7 | 18 | 22 |
| 047 | 4 | 5530 | Otillio O. Tognini, Turin Spring | Stock | 0.0125 c.f.s. | 7 | 18 | 22 |
| 048 | 4 | 6528 | Edward Schumacher, Schumacher Spring | Stock | 0.003 c.f.s. | 7 | 20 | 22 |
| 049 | 4 | 6929 | Edward Schumacher, Grassy Spring | Stock | 0.003 c.f.s. | 7 | 20 | 22 |
| 050 | 4 | 4383 | Rochester Combined Mines Co., Christmas Lode Tunnel | Mining & Milling | 0.22 c.f.s. | 7 | 20 | 22 |
| 051 | 4 | 4384 | Rochester Combined Mines Co., Woody Canyon | Mining & Milling | 0.22 c.f.s. | 7 | 20 | 22 |
| 052 | 4 | 4385 | Rochester Combined Mines Co., Woody Canyon | Mining & Milling | 0.22 c.f.s. | 7 | 20 | 22 |
| 053 | 4 | 2321 | Felix Plaza, Jack or Harrington Creek | Irr. & Dom. | 1.2358 c.f.s. | 8 | 1 | 22 |
| 054 | 4 | 2677 | Mrs. J. C. Tucker, Gold Run Canyon Creek | Irr. & Dom. | 1.6039 c.f.s. | 8 | 8 | 22 |
| 055 | 4 | 2678 | Robert T. Bass, Jr., Hot Springs | Irr. & Dom. | 0.78 c.f.s. | 8 | 15 | 22 |
| 056 | 4 | 3530 | Jas. E. Fraiser, Lamoille Creek | Irr. & Dom. | 3.00 c.f.s. | 8 | 30 | 22 |
| 057 | 4 | 4070 | Geo. B. Russell, Hot Springs | Irrigation | 0.0537 c.f.s. | 9 | 2 | 22 |
| 058 | 4 | 4180 | Geo. B. Russell, Hot Springs | Bathing | 0.5 c.f.s. | 9 | 2 | 22 |
| 059 | 4 | 813 | Hilma C. and Albin C. Kirkeby, Dry Creek | Irr. & Dom. | 0.2 c.f.s. | 10 | 5 | 22 |
| 060 | 4 | 4418 | Hilma C. and Albin C. Kirkeby, Williams Creek | Irr. & Dom. | 4.497 c.f.s. | 10 | 5 | 22 |
| 061 | 4 | 5847 | Guy M. Terry, Camp Spring | Stock | 0.0125 c.f.s. | 11 | 18 | 22 |
| 062 | 4 | 4811 | P. A. Simon, Wild Horse Spring | Domestic | 0.025 c.f.s. | 11 | 18 | 22 |
| 063 | 4 | 2292 | Hot Creek Land and Livestock Co., Willow Creek | Irr. & Dom. | 0.2833 c.f.s. | 11 | 18 | 22 |
| 064 | 4 | 2523 | Franklin A. Arentz, West Walker River | Irr. & Dom. | 1.851 c.f.s. | 11 | 18 | 22 |
| 065 | 4 | 5946 | W. S. Hyde, Hyde Springs | Stock | 0.003 c.f.s. | 11 | 21 | 22 |
| 066 | 4 | 5947 | W. S. Hyde, Willow Springs | Stock | 0.003 c.f.s. | 11 | 21 | 22 |
| 067 | 4 | 4441 | Copper Canyon Mining Co., Copper Canyon Springs or water tunnels | Domestic | 0.000742 c.f.s. | 11 | 21 | 22 |
| 068 | 4 | 5003 | John J. Hellum, Shady Run Canyon Spring | Stock | 0.015 c.f.s. | 11 | 21 | 22 |
| 069 | 4 | 3002 | Chas. V. Gutches, Canyon Creek | Irr. & Dom. | 0.067 c.f.s. | 11 | 21 | 22 |
| 070 | 4 | 3812 | R. J. Colvin, North Fork Cornwall Creek | Irrigation | 0.5329 c.f.s. | 11 | 21 | 22 |

## SUMMARY OF ACTION TAKEN DURING THE YEARS 1921-1922 ON APPLICATIONS AND PERMITS TO APPROPRIATE WATER

| | |
|---|---|
| Applications filed during the year 1921—Serial Nos. 6367 to 6607 inclusive | 241 |
| Applications returned for correction during year 1921 | 68 |
| Applications filed during the year 1922—Serial Nos. 6608 to 6844 inclusive | 237 |
| Applications returned for correction during year 1922 | 96 |
| Applications approved during years 1921–1922 | 353 |
| Applications denied during years 1921–1922 | 43 |
| Permits and applications canceled during years 1921–1922 | 74 |
| Applications and permits withdrawn during years 1921–1922 | 31 |
| Certificates issued during years 1921–1922 | 170 |
| Proofs of appropriation filed during years 1921–1922 | 65 |
| Proofs of commencement of work filed during years 1921–1922 | 302 |
| Proofs of completion of work filed during years 1921–1922 | 278 |
| Proofs of application of water to beneficial use filed during years 1921–1922 | 239 |
| Protests filed against the granting of applications during years 1921–1922 | 126 |

## MAILING LIST AND CORRESPONDENCE

The following were mailed from this office during the years 1921–1922:

| | |
|---|---|
| First-class mail (exclusive of registers) | 10,814 |
| Registered letters and parcels | 1,041 |
| Mail matter of second class | 1,010 |

## COLORADO RIVER COMMISSION

In accordance with chapter 115, Statutes of 1921, creating a commission to be known as the Colorado River Development Commission of Nevada, the following appointive members were commissioned:

Levi Syphus.....May 2, 1921, 4 years
C. P. Squires.....May 2, 1921, 4 years
Ed. Clark.....Mar. 10, 1922, 4 years
J. G. Scrugham as State Engineer of Nevada.

The Commission met, organized and selected J. G. Scrugham as chairman, and C. P. Squires as secretary.

The Commission empowered J. G. Scrugham to represent the State of Nevada in interstate and other conferences and to negotiate with the representatives of other States and the United States, pursuant to the provisions of the above-mentioned Act.

After formal hearings in Arizona, California, Utah, Wyoming, and Colorado, and visits to the reservoir sites along the river, the Federal Colorado River Commission, of which J. G. Scrugham was a member, finally met in Santa Fe, N. M., and drafted a pact or agreement covering the allotment of water to each of the interested States, which pact is to be ratified by the United States and the State Legislatures of the various Colorado River Basin States.

Following is a copy of the compact as entered into by the several States:

### Colorado River Compact

The States of Arizona, California, Colorado, Nevada, New Mexico, Utah, and Wyoming, having resolved to enter into a compact under the Act of Congress of the United States of America approved August

19, 1921 (42 Statutes at Large, page 171), and the Acts of the Legislatures of the said States, have through their Governors appointed as their Commissioners:

W. S. Norviel, for the State of Arizona,
W. F. McClure, for the State of California,
Delph E. Carpenter, for the State of Colorado,
J. G. Scrugham, for the State of Nevada,
Stephen B. Davis, Jr., for the State of New Mexico,
R. E. Caldwell, for the State of Utah,
Frank C. Emerson, for the State of Wyoming

—who, after negotiations participated in by Herbert Hoover appointed by the President as the representative of the United States of America, have agreed upon the following articles:

ARTICLE I

The major purposes of this compact are to provide for the equitable division and apportionment of the use of the waters of the Colorado River System; to establish the relative importance of different beneficial uses of water; to promote interstate comity; to remove causes of present and future controversies; and to secure the expeditious agricultural and industrial development of the Colorado River Basin, the storage of its waters and the protection of life and property from floods. To these ends the Colorado River Basin is divided into two basins, and an apportionment of the use of part of the water of the Colorado River System is made to each of them with the provision that further equitable apportionments may be made.

ARTICLE II

As used in this compact:

(a) The term "Colorado River System" means that portion of the Colorado River and its tributaries within the United States of America.

(b) The term "Colorado River Basin" means all of the drainage area of the Colorado River System and all other territory within the United States of America to which the waters of the Colorado River System shall be beneficially applied.

(c) The term "States of the Upper Division" means the States of Colorado, New Mexico, Utah, and Wyoming.

(d) The term "States of the Lower Division" means the States of Arizona, California, and Nevada.

(e) The term "Lee Ferry" means a point in the main stream of the Colorado River one mile below the mouth of the Paria River.

(f) The term "Upper Basin" means those parts of the States of Arizona, Colorado, New Mexico, Utah, and Wyoming within and from which waters naturally drain into the Colorado River System above Lee Ferry, and also all parts of said States located without the drainage area of the Colorado River System which are now or shall hereafter be beneficially served by waters diverted from the system above Lee Ferry.

(g) The term "Lower Basin" means those parts of the States of Arizona, California, Nevada, New Mexico, and Utah within and from which waters naturally drain into the Colorado River System below Lee Ferry, and also all parts of said States located without the drainage area of the Colorado River System which are now or shall hereafter be beneficially served by waters diverted from the system below Lee Ferry.

(h) The term "domestic use" shall include the use of water for household, stock, municipal, mining, milling, industrial and other like purposes, but shall exclude the generation of electrical power.

ARTICLE III

(a) There is hereby apportioned from the Colorado River System in perpetuity to the Upper Basin and to the Lower Basin respectively the exclusive beneficial consumptive use of 7,500,000 acre-feet of water per annum, which

shall include all water necessary for the supply of any rights which may now exist.

(b) In addition to the apportionment in paragraph (a), the Lower Basin is hereby given the right to increase its beneficial consumptive use of such waters by one million acre-feet per annum.

(c) If, as a matter of international comity, the United States of America shall hereafter recognize in the United States of Mexico any right to the use of any waters of the Colorado River System, such waters shall be supplied first from the waters which are surplus over and above the aggregate of the quantities specified in paragraphs (a) and (b); and if such surplus shall prove insufficient for this purpose, then, the burden of such deficiency shall be equally borne by the Upper Basin and the Lower Basin, and whenever necessary the States of the Upper Division shall deliver at Lee Ferry water to supply one-half of the deficiency so recognized in addition to that provided in paragraph (d).

(d) The States of the Upper Division will not cause the flow of the river at Lee Ferry to be depleted below an aggregate of 75,000,000 acre-feet for any period of ten consecutive years reckoned in continuing progressive series beginning with the first day of October next succeeding the ratification of this compact.

(e) The States of the Upper Division shall not withhold water, and the States of the Lower Division shall not require the delivery of water, which cannot reasonably be applied to domestic and agricultural uses.

(f) Further equitable apportionment of the beneficial uses of the waters of the Colorado River System unapportioned by paragraphs (a), (b), and (c) may be made in the manner provided in paragraph (g) at any time after October 1, 1963, if and when either basin shall have reached its total beneficial consumptive use as set out in paragraphs (a) and (b).

(g) In the event of a desire for a further apportionment as provided in paragraph (f) any two signatory States, acting through their Governors, may give joint notice of such desire to the Governors of the other signatory States and to the President of the United States of America, and it shall be the duty of the Governors of the signatory States and of the President of the United States of America forthwith to appoint representatives, whose duty it shall be to divide and apportion equitably between the Upper Basin and Lower Basin the beneficial use of the unapportioned water of the Colorado River System as mentioned in paragraph (f), subject to the legislative ratification of the signatory States and the Congress of the United States of America.

ARTICLE IV

(a) Inasmuch as the Colorado River has ceased to be navigable for commerce and the reservation of its waters for navigation would seriously limit the development of its basin, the use of its waters for purposes of navigation shall be subservient to the uses of such waters for domestic, agricultural, and power purposes. If the Congress shall not consent to this paragraph, the other provisions of this compact shall nevertheless remain binding.

(b) Subject to the provisions of this compact, water of the Colorado River System may be impounded and used for the generation of electrical power, but such impounding and use shall be subservient to the use and consumption of such water for agricultural and domestic purposes and shall not interfere with or prevent use for such dominant purposes.

(c) The provisions of this article shall not apply to or interfere with the regulation and control by any State within its boundaries of the appropriation, use and distribution of water.

ARTICLE V

The chief official of each signatory State charged with the administration of water rights, together with the Director of the United States Reclamation Service and the Director of the United States Geological Survey, shall cooperate, ex officio:

(a) To promote the systematic determination and coordination of the facts as to flow, appropriation, consumption and use of water in the Colorado River Basin, and the interchange of available information in such matters.

(b) To secure the ascertainment and publication of the annual flow of the Colorado River at Lee Ferry.

(c) To perform such other duties as may be assigned by mutual consent of the signatories from time to time.

ARTICLE VI

Should any claim or controversy arise between any two or more of the signatory States: (a) with respect to the waters of the Colorado River System not covered by the terms of this compact; (b) over the meaning or performance of any of the terms of this compact; (c) as to the allocation of the burdens incident to the performance of any article of this compact or the delivery of waters as herein provided; (d) as to the construction or operation of works within the Colorado River Basin to be situated in two or more States, or to be constructed in one State for the benefit of another State; or (e) as to the diversion of water in one State for the benefit of another State; the Governors of the States affected, upon the request of one of them, shall forthwith appoint Commissioners with power to consider and adjust such claim or controversy, subject to ratification by the Legislatures of the States so affected.

Nothing herein contained shall prevent the adjustment of any such claim or controversy by any present method or by direct future legislative action of the interested States.

ARTICLE VII

Nothing in this compact shall be construed as affecting the obligations of the United States of America to Indian tribes.

ARTICLE VIII

Present perfected rights to the beneficial use of waters of the Colorado River System are unimpaired by this compact. Whenever storage capacity of 5,000,000 acre-feet shall have been provided on the main Colorado River within or for the benefit of the Lower Basin, then claims of such rights, if any, by appropriators or users of water in the Lower Basin against appropriators or users of water in the Upper Basin shall attach to and be satisfied from water that may be stored not in conflict with Article III.

All other rights to beneficial use of waters of the Colorado River System shall be satisfied solely from the water apportioned to that basin in which they are situate.

ARTICLE IX

Nothing in this compact shall be construed to limit or prevent any State from instituting or maintaining any action or proceeding, legal or equitable, for the protection of any right under this compact or the enforcement of any of its provisions.

ARTICLE X

This compact may be terminated at any time by the unanimous agreement of the signatory States. In the event of such termination all rights established under it shall continue unimpaired.

ARTICLE XI

This compact shall become binding and obligatory when it shall have been approved by the Legislature of each of the signatory States and by the Congress of the United States. Notice of approval by the Legislatures shall be given by the Governor of each signatory State to the Governors of the other signatory States and to the President of the United States, and the President of the United States is requested to give notice to the Governors of the signatory States of approval by the Congress of the United States.

IN WITNESS WHEREOF, The Commissioners have signed this compact in a single original, which shall be deposited in the archives of the Department of State of the United States of America and of which a duly certified copy shall be forwarded to the Governor of each of the signatory States.

DONE at the City of Santa Fe, New Mexico, this twenty-fourth day of November, A. D. One Thousand Nine Hundred and Twenty-two.

(Signed) W. S. NORVIEL,
(Signed) W. F. McCLURE,
(Signed) DELPH E. CARPENTER,
(Signed) J. G. SCRUGHAM,
(Signed) STEPHEN B. DAVIS, Jr.,
(Signed) R. E. CALDWELL,
(Signed) FRANK C. EMERSON.

Approved: (Signed) HERBERT HOOVER.

## OWYHEE RIVER COMMISSION

In accordance with the provisions of an Act of the Legislature, creating a commission to be known as the Owyhee River Development Commission of Nevada, investigations of the storage possibilities on the South Fork of the Owyhee River, the Little Humboldt River, and Martin Creek were made.

The detailed reports are included below and are summarized as follows:

1. The available water measurements are not sufficient to warrant final conclusions as to water supply.
2. Under present economic conditions the cost of transporting water from the Owyhee Basin to the Little Humboldt Basin will not be warranted unless a larger supply of water exists than is shown by the fragmentary records available.
3. It appears that areas of additional land in Paradise Valley can profitably be brought under irrigation under conditions as set forth in the report.
4. The preliminary reports show that further detailed investigations are necessary, particularly as regards the water supply. The additional means for recording the stream flow have already been provided to give this information in a reasonable length of time.
5. Stream gages already installed show that the annual run-off from October 1, 1921, to September 30, 1922, was 28,400 acre-feet for Martin Creek, and 28,100 acre-feet for the Little Humboldt during the same period. The reservoir sites on both streams have been surveyed and contour maps have been filed in the office of the State Engineer. The capacity of the Martin Creek reservoir is calculated to be 6,800 acre-feet and the Little Humboldt reservoir 30,000 acre-feet.
6. A great many features in connection with the Martin Creek and Little Humboldt River storage projects require further and more detailed investigations. Principal among these is a detailed investigation of the dam-sites. Springs occur in the stream-bed just below each of the sites. A detailed investigation of the foundations of the sites would perhaps determine whether there is any connection between the springs above and below the sites. This feature, above all things, should be considered. There are not sufficient stream-flow measurements yet to warrant the construction of a dam at either site. The silt problem should also be investigated. The largest single item upon which construction would depend is the adjudication of the relative rights of the people who take water from the streams in question. Unless this is carried through to completion, it will never be definitely known whether or not there is any water available for storage over and above that necessary for the lands already under cultivation. The cost of putting in either one of the dams would be rather high if it were found that the stream-flow did not warrant any large project covering new land. Thus it appears that, if the reservoirs are ever put in, the work will have to be done by the large land interests. To those interests it might appear that the meadow pasture land, which would be flooded if

the reservoirs were put in, would be more valuable to them as pasture land than for reservoir capacity. These are features that will have to be investigated more fully before the commission can recommend the initiation of a reservoir project for this locality.

## RECONNAISSANCE REPORT, OWYHEE RIVER

RENO, NEVADA, May 16, 1923.

STATE ENGINEER, *Carson City, Nevada.*

DEAR SIR: The undersigned have just completed a reconnaissance of the region between the Little Humboldt River and the South Fork of the Owyhee River in this State, made with a view to determine, first, the practicability of diverting water from the latter stream to the former; and, second, if this appeared impracticable, the feasibility of utilizing the Owyhee River water for the irrigation of lands on what is known as the Owyhee Desert in the State of Nevada, and beg to report as follows:

1. It has been proposed to divert water from the South Fork of the Owyhee River at a point in Section 1, T. 45 N, R. 48 E, M. D. B., by means of a dam about 50 feet in height and convey it thence southwesterly to Dry or Milligan Creek, a tributary of the Little Humboldt, whence it would flow to Paradise Valley.

This is impracticable for the reason that the Owyhee River at the point mentioned is fully 500 feet lower than the divide north of Dry Creek, which would have to be crossed, and the rise from the top of the river gorge is gradual and more or less uniform for the entire distance, over 20 miles. Neither does it appear feasible to divert water at the point mentioned for the irrigation of any land in Nevada because of the fact that this river at this point, as for 20 miles above, flows in a box canyon cut through basaltic lava to a depth of from 200 to 300 feet.

2. Mr. John G. Taylor, a large land owner on tributaries of the Owyhee, has suggested diversion of the river by means of a high dam in Section 8, T. 43 N, R. 50 E, immediately below its confluence with Deep Creek at the north end of "I. L. Valley."

Here the canyon is very narrow with bluffs about 300 feet in height, but these bluffs are of a basaltic lava, full of seams and crevices which would render a dam of such height impracticable aside from its cost, which would be prohibitive. Nor does it appear feasible to divert at this point by means of a lower dam for the irrigation of Nevada lands on the Owyhee Desert owing to the difficulty and great cost of leading the water out of the box canyon onto such lands.

3. In 1916 Mr. L. H. Taylor made a reconnaissance survey for a canal line from the South Fork of the Owyhee River in Section 19, T. 41 N, R. 52 E, and running a distance of 19

miles to a point at the south end of "I. L. Valley," in Section 20, T. 42 N, R. 50 E.

On the 10th of the present month we picked up this line and continued it out onto the Owyhee Desert to the divide between Wolf Creek and Chino or 4-Mile Creek near the west line of T. 43 N, R. 49 E, from where the divide north of Dry or Milligan Creek is visible, finding that the elevation appeared ample to enable crossing the latter divide.

This reconnaissance, coupled with that made by Mr. Taylor in 1916, which latter included examination of an excellent reservoir site on what is know as the "Spanish Ranch" of the Palo Alto Land and Livestock Company, to be utilized by means of a dam at the canal heading, indicates the feasibility of a project to take water from the Owyhee River over this route to the valley of the Little Humboldt River in Humboldt County.

### Outline of Project

Our investigation enables us to suggest the following rough outline of the project:

1. A reservoir of about 40,000 acre-feet capacity, covering approximately 1,600 acres on the "Spanish Ranch" where the river leaves Independence Valley, to be formed by a dam 85 feet in maximum height, 250 feet in length at its base, and a little less than 900 feet long at its crest.

This reservoir would serve not only for storage, but as a regulator of the stream-flow enabling a much smaller diversion canal to handle practically the entire run-off of the drainage basin.

2. A canal of about 300 second-feet capacity with a total length of about 60 miles from the reservoir to Dry Creek.

This canal would traverse the canyon of the Owyhee for a distance of about 20 miles, then run along the west of "I. L. Valley" and out across the Owyhee Desert.

In its course it would cross and intercept the drainage from nearly 100 square miles of mountain country having a heavy precipitation, including Cottonwood, Cow, and Amazon Creeks, which are considerable streams in the early part of the season.

3. After crossing the divide into Dry Creek the water would flow down that channel to the Little Humboldt and thence down that stream to a natural reservoir site, where it, with flood-waters of both branches of the latter stream, can be impounded for reclamation of the lands below.

### Water Supply

The South Fork of the Owyhee River above the proposed Spanish Ranch reservoir has a drainage area of about 330 square miles.

No records of run-off from this area have been kept except

at the United States Geological Survey gaging station at Woodward's ranch on Jack Creek, a tributary, established in 1913, above which the drainage area is approximately 29 square miles.

The only records for this station now at hand are for the season 1913–1914 when the run-off was 30,800 acre-feet. The balance of the drainage basin, however, is less productive.

Precipitation records have been kept at the Jack Creek Forest Ranger Station, about 3 miles northeast of the stream-gaging station above mentioned, where the normal for some years past is about 26 inches, and at Tuscarora, on the west side of Independence Valley, where the normal is about 16 inches.

From this data, and a fairly intimate knowledge of the district, its climate and topography on the part of Mr. L. H. Taylor for the past twenty-five years, it is estimated that the mean normal run-off from the 330 square miles above the reservoir will be about 160,000 acre-feet, and that from 100 square miles, including Cottonwood, Cow, and Amazon Creeks, intercepted by the canal, will be in the neighborhood of 25,000 acre-feet, making a total of 185,000 acre-feet.

Of this water supply, perhaps 35,000 acre-feet will be required for present irrigation in Independence Valley and "I. L. Valley," leaving a balance of 150,000 acre-feet available as an average, for diversion to the Humboldt River Basin.

If the loss in transit and from reservoir evaporation be 33⅓%, the net supply delivered to the Little Humboldt would be 100,000 acre-feet.

It is believed that the flood-waters of the North and South Forks of the Little Humboldt which now go to waste will add 25,000 or 30,000 acre-feet to this supply if the reservoir on those streams has, as is thought, capacity to carry over the surplus from wet years.

### Irrigation Possibilities

The lands to be irrigated lie along the east side of Paradise Valley and comprise an area greater than can be served by the water supply. Hence the best land, and that on which water duty, due to soil character and nearness to surface of ground water, will be highest, can be selected.

It is thought that about 40,000 acres of these lands can be reclaimed and if this is correct, we believe the project is without doubt feasible.

### Cost of Project

With the data at hand only very rough approximate estimates of cost of the project are possible. This is especially true of the reservoir on the Little Humboldt where no surveys whatever have been made and only a guess is possible. However, the following, which is believed to be liberal, has been prepared:

ESTIMATE OF COST

| | | |
|---|---|---|
| *Spanish Ranch Reservoir*— | | |
| Dam—Earth fill, 85 ft. high, 880 ft. long | $25,000 | |
| Foundation and Cut-Off Wall—Earth fill, 400,000 cu. yd. @ 70c | 280,000 | |
| Riprap, 16,000 sq. yd. @ $1.50 | 24,000 | |
| Outlet works, complete | 16,000 | |
| Spillway | 15,000 | |
| Right of way | 60,000 | |
| | | $420,000 |
| *Canal* (Main Canal 60 miles long to Dry Creek)— | | |
| Earth excavation, 1,300,000 cu. yd. @ 30c | $390,000 | |
| Rock excavation, 150,000 cu. yd. @ $2 | 300,000 | |
| 2,000 ft. metal flume | 50,000 | |
| Cow Creek siphon, 84 in. diam., 900 ft. @ $30 | 27,000 | |
| Cottonwood Creek inlet ditch | 2,500 | |
| Cow Creek | 10,000 | |
| Amazon Creek | 500 | |
| | | 780,000 |
| Overhead, engineering, etc., 15 per cent | | 180,000 |
| Total | | $1,380,000 |
| Little Humboldt Reservoir | | 300,000 |
| Distributing system, 40,000 acres @ $8 | | 320,000 |
| Grand total | | $2,000,000 |

Cost per acre ..... $50.

**Power Possibilities**

By means of the Spanish Ranch Reservoir it is believed possible to so regulate the flow in the diversion canal that at no time will its discharge into Dry Creek be less than 75 second-feet, and it is thought possible, by extending the canal some 10 or 12 miles westward along north of that creek, to obtain a head of fully 500 feet. This will enable the generation of not less than 3,000 electric horsepower.

We feel certain that this power privilege, without the construction of the additional length of canal and the necessary pressure pipe, would readily sell for at least $150,000, thus reducing cost of the project by that sum, and, we believe amply insuring the sufficiency of our cost estimates.

Certainly we believe the project justifies more detailed investigation.

Respectfully submitted,

L. H. TAYLOR,
MELVIN E. JEPSON,
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## UPPER OWYHEE PROJECT (SECONDARY) NEVADA

**Plan of Project**

The project contemplates the diversion of the waters of the South Fork of the Owyhee River, a tributary of the Snake to a branch of the Little Humboldt, a tributary of the Humboldt, where it would be used on the lands bordering the stream in what is called Paradise Valley which is in the vicinity of Winnemucca, a town on the main lines of the Southern Pacific and Western Pacific.

The construction features are:

1. A 40,000-acre-foot reservoir on the South Fork of the Owyhee about 40 miles south of the Nevada-Idaho line. This proposed reservoir is at the lower end of Independence Valley and will control the run-off from 330 square miles of territory.

2. From the reservoir a 300-second-foot canal about 60 miles long will carry the water to Dry Creek, a tributary of the Little Humboldt. The first 20 miles of the canal follows the side of the canyon of the South Fork and is in difficult construction. Much rock will be encountered and the slope of the canyon sides in the earth section varies from 1 foot in 3 to 1 foot in 4. This section of the canal will pick up the run-off from 100 square miles of additional territory. After leaving the canyon the canal emerges on a high plateau of good irrigable land, but so isolated that its irrigation has not been considered. Across this tract, the topography of which varies from level to rolling, construction will be easy.

3. A power plant at the end of this canal by which the 500-foot fall into Dry Creek can be utilized to generate power. The rigorous climate of the region and the expense of constructing a canal so long that it will give a dependable supply of water to a power plant, together with the isolation of the project, may show on closer investigation that this feature is unattractive.

4. A reservoir formed by a dam below the mouth of North and South Forks of the Little Humboldt which would store the surplus waters of the Little Humboldt as well as the water diverted by the above mentioned canal. This reservoir site has not been surveyed nor the necessary size determined. From inspection its construction would not be expensive. The dam site is in lava rock which might jeopardize its feasibility. No measurements of discharge of the Little Humboldt have ever been published, and no estimates of the amount of water are available.

5. Construction of the irrigation system on lands below the reservoir site.

### Irrigable Lands

The Little Humboldt Valley runs in a north and south direction with its southern end near Winnemucca. A line of sandhills across the valley near its mouth have cut off its influx to the main Humboldt so that now its waters rarely enter the river. The slope of the valley along its axis is very flat, and at the lower end is probably not more than one foot to the mile. This gradually steepens toward the headwaters. The bottom lands are in wild hay irrigated by flooding, and the lands proposed to be irrigated are those lying on the sides and gradually sloping upward from the bottom lands. Their general elevation is about 4,500 feet above sea-level and the climate is favorable.

To reach any of these lands will require a long canal but construction is not difficult especially for the area on the east side of the river. Instrumental surveys may show that it is

impossible to reach the western side because of its high elevation relative to the reservoir site.

In the absence of instrumental surveys and definite topographic features in the valley, it is not possible to definitely outline the area which may be irrigated, but the two areas noted on the map show the general location. It is probable that the irrigable land exceeds the water supply.

The soil is heavy and inclined to alkalinity. It is not a first-class loam such as is found in most of the valleys of Nevada. While probably somewhat more difficult to reclaim than a loam soil, yet the slope is such that water will run off readily and the alkali be leached out.

Because of doubt as to water supply no careful examination of the lands was made as it is believed that no money should be spent for investigation of that feature of the project until more knowledge has been obtained as to water supply.

### Water Supply

The water supply is to be derived from two sources: (1) The surplus waters of the Little Humboldt and (2) the run-off from the 330 square miles above the proposed reservoir on the South Fork of the Owyhee and from 100 square miles intercepted by the canal and not already appropriated.

As stated, no measurements have been made of the Little Humboldt and any estimate of supply from that river must be purely a guess. This is not so true as to the Little Owyhee, but there also no reliable estimates can be made.

Stations along the proposed dam have been maintained as follows: On Jack Creek near the canyon mouth since May 15, 1913, and on the main stream near Tuscarora from June to September, inclusive, 1913.

The total discharge during the period of the latter station was 557 acre-feet from about 90 square miles, but this is no fair criterion since this represents only seepage flow from irrigated meadows along the stream and the peak discharge doubtless came earlier in the season. On Jack Creek the recorded discharge is as follows for the full years:

| | |
|---|---|
| 1914 | 30,800 acre-feet |
| 1915 | 18,100 acre-feet |
| 1916 | 18,800 acre-feet |
| 1917 | 32,200 acre-feet |
| 1918 | 13,800 acre-feet |
| 1919 | 17,600 acre-feet |
| 1920 | 20,100 acre-feet |
| Average | 21,600 acre-feet |

The drainage area is 31 square miles, giving an average of 700 acre-feet per square mile annually for the period.

This area is by far the most prolific of any available to the proposed diversion, rising as it does in the highest mountains of the Jack Creek range. It is no criterion by which to judge

the possible run-off from the remainder which is much lower and from appearance of vegetation has a much smaller precipitation. Furthermore, the valley floor covers 70 square miles out of the 330 and the yield from it is negligible.

This year (1921) in June a gage was established in T. 42 N, R. 50 E, at a point which will record the entire run-off available to the proposed diversion and until sufficient records at this point have been secured no reliable estimate of run-off can be made.

Some conclusion might be drawn by comparison with the run-off of the North Fork of the Humboldt and main stream of the Owyhee, both adjacent and lying to the east. The run-off of these is shown in the following table:

| | *Period of record* | *Drainage area—Sq. miles* | *Average annual discharge during period in acre-feet* | *Discharge per sq. mile* |
|---|---|---|---|---|
| North Fork of Humboldt, above Halleck | 1898, 1904–1919 | 830 | 51,000 | 61 |
| Owyhee River, above Owyhee | 1904–1919 | 380 | *92,000 | 242 |

*Partially estimated.

Although it would be possible to set down some figures for the run-off of the South Fork based on comparison with the above-cited drainage areas on which records are available, yet such figures would be so unreliable that it is thought best not to attempt to do so at this time, especially since records have now been started and at some later date will be available. The discharge of adjacent areas in Nevada is so widely variant that estimating by comparison of drainage areas is generally unsafe.

### Conclusion

The data at hand give no good basis to reach a conclusion as to water supply. The project will be an expensive one and, unless the run-off is large, will not be feasible. Because of the paucity of reliable data, further money should not be spent on the investigation of the proposed diversion until more records at the new gaging station on the South Fork of the Little Owyhee are available and then only if a good run-off is shown.

## POSSIBILITIES IN THE LITTLE HUMBOLDT

In the Little Humboldt there is said to be surplus water which can be stored for use in the late season. The present lands are in large holdings of irrigated native hay, and under present conditions this is the only profitable type of farming. If, however, stream records show a surplus of water and reservoirs are available the possibility exists if the present large holdings were sold, of making a successful irrigation project by using the water of that valley alone on present irrigated lands. This appears to be the place where further investigation should be made and with the idea of developing the potential resources of that valley first. It therefore is advisable for the State to establish discharge measuring devices at the

necessary points in the valley as a preliminary to further work on the project.

OWYHEE RIVER AS A WHOLE

The Reclamation Service is now investigating a project taking water from the Owyhee near its mouth in Oregon. These investigations have not proceeded far enough to draw definite conclusions as to water supply, but in connection with it the possibilities on the upper river should be considered with the idea that it may be found advisable to build a larger reservoir for that project which will completely control the river as has been done on the North Platte and the Rio Grande. It is said that the Indian Service is contemplating extending its project on the Duck Valley Indian Reservation, taking water from the Owyhee River.

C. V. TAYLOR,
*Engineer, State of Nevada, State Engineer's Office.*
HAROLD CONKLING,
*Engineer, U. S. Reclamation Service.*

Approved: J. G. SCRUGHAM, *State Engineer.*

## THE LITTLE HUMBOLDT STORAGE PROJECT

A site for the storage of the run-off waters of the North Fork of the Little Humboldt River has been selected in sections 19, 20, 30, and 24–25, T. 41 N, R. 42 and 43 E, M. D. B. & M.

Contours have been run as shown on accompanying plan, and capacity determined for a 50-foot dam of earth-fill with clay core.

### Storage Capacity

With such 50-foot dam a storage capacity of 13,960 acre-feet may be had of those yearly run-off waters that precede the irrigation season.

### Dependability of Supply

The drainage basin contains 380,000 acres, 90,000 acres being above the 6,000-foot elevation. By use of the Hydrographic Department data of precipitation and run-off in this district and also near-by districts of like character we find a run-off of 30,000 acre-feet from above the 6,000 elevation alone. Fearing the dependability of the run-off below 6,000 feet, we have not taken it into account at present.

### Evaporation Loss

The evaporation loss from this reservoir through an 8-months period with a mean surface exposure of 600 acres would be 2,000 acre-feet.

### Dam

An earth-fill dam with clay core recommends itself for this project; 80,000 cubic yards required with 400 yards of concrete for gates and waste control.

### Cost

The cost of such construction will be within $60,000.

### Land

The unit of irrigable land under this reservoir and immediate thereto is much greater than the available water supply. Such land with assured water supply will yield well.

### Feasibility

Construction features for the dam and marketing facilities for the produce of the lands are especially good.

### Enlargement

Ten feet added to the height of the dam is feasible and would retain the entire estimated dependable run-off and would be within $5 per acre-foot cost of storage.

### Remarks

The 4-inch depth of run-off from that portion of watershed above the 6,000 elevation has been reached by using the following data:

PRECIPITATION

| | |
|---|---|
| Paradise Station (4,500 elev.) mean for 20 years | 8.2 inches |
| Rebel Creek (4,300 elev.) mean for 5 years | 11.0 inches |
| Quinn River (4,800 elev.) mean for 15 years | 6.4 inches |
| Average | 8.5 inches |
| North Fork of Humboldt River in Elko County (6,500 elev.) mean for 6 years | 11.0 inches |
| Tuscarora (6,400 elev.) mean for 13 years | 15.4 inches |
| Average | 13.2 inches |

Palisade district, which gages the upper Humboldt flow, give a five-year run-off of 1.26 inches from an area down to 5,000-foot elevation. The greater precipitation and run-off being above the 6,000-foot elevation, we have used 4 inches as a dependable amount of run-off for the Paradise district.

(Signed) D. H. UPDIKE,

## MARTIN CREEK RESERVOIR

A site for the storage of Martin Creek freshet waters has been found in sections 6 and 7 and adjoining sections in T. 42 N, R. 41 E, M. D. B. & M.

### Capacity

A contour line for a dam 124 feet high has been run and the storage capacity found to be 6,800 acre-feet.

### Supply

Area of basin is 80,000 acres.

Area of basin above the 6,000-foot elevation is 42,000 acres.

Precipitation and run-off records show a dependable water supply of 14,000 acre-feet from above the 6,000-foot elevation.

### Reservoir Evaporation

This reservoir being deep and of small area (158 acres), the evaporation loss is small, being within 5 per cent (300 acre-feet).

### Land

The area of irrigable land under this project is much greater than the available water supply, and is of good character for a large yield per acre.

**Cost of Dam**

The site for a dam and the material at hand suggests a concrete structure, but the mass of concrete required (even with an open-arch construction being 11,000 cubic yards) makes the cost nearly prohibitive for economic storage. The estimated cost of such dam with gates and waste-way is $170,000. The assured supply for 2,200 acres would be $80 per acre.

(Signed) D. H. UPDIKE.

## STATE IRRIGATION DISTRICT BOND COMMISSION

Pursuant to the provisions of chapter 34, Statutes of 1921, the State Irrigation District Bond Commission met at the Capitol on March 18, 1921, and organized. The members present were Hon. Emmet D. Boyle, Chairman; Hon. J. G. Scrugham, State Engineer, member, and Hon. Gilbert C. Ross, State Bank Examiner, member. Mr. Homer Mooney, Private Secretary to the Governor, was present as Secretary of the Commission. The Board of Directors of the Walker River Irrigation District presented a resolution requesting the State Irrigation District Bond Commission to make an investigation of the affairs of the district in order that certain bonds of said district might be certified by the State Controller. On motion duly made, seconded and carried, the Hon. J. G. Scrugham was requested to make such investigation and present his report in writing.

At a subsequent meeting of the Bond Commission held on March 21, 1921, the report of Hon. J. G. Scrugham was read and ordered filed. Inasmuch as the report was favorable to the district, a resolution was sent to the State Controller, requesting his certification of certain bonds to be issued by the Walker River Irrigation District to be known as Issue One, Series One.

The commission meeting of May 7, 1921, was held to consider the petition of the Walker River Irrigation District, requesting approval of a certain contract with the Redmond-Page Company and authorization of the payment of $2,750.08 from the construction fund of the district for making estimates, maps, etc., and the payment of $4,750 from the same fund for attorney fees. By unanimous vote the Commission approved the contract and authorized the payment of $2,750.08 from the construction fund for estimates, etc. The Attorney-General having ruled against the payment of moneys from the construction fund for attorney fees, etc., the payment of this item was not authorized.

At a subsequent meeting held on May 21, 1921, the Commission received certain documents from the Walker River Irrigation District pertaining to a certain supplementary contract with the Redmond-Page Company. These documents were ordered filed and the approval of the Commission was given with respect to certain additional work, and the irrigation district was authorized to issue and deliver to the Redmond-Page Company bonds of said district in the amount of $53,000 or so much thereof as might be necessary.

At the meeting held August 15, 1921, authority was given to the Walker River Irrigation District to substitute a contract for further

supplemental work amounting to $4,000 for an item specified in the original contract and of the same unit cost.

On September 3, 1921, the Truckee-Carson Irrigation District presented a resolution to the Commission, requesting approval of the issuance by the Truckee-Carson District of warrants bearing interest at the rate of 6 per cent per annum in the amount of $4,500 and to levy an assessment as provided for in section 14 of the Nevada Irrigation District Act as amended March 11, 1921. By unanimous vote a resolution was passed giving the approval of the Bond Commission to the above procedure.

The next meeting of the Commission was held on November 3, 1921, to consider a communication from the Walker River Irrigation District in which they asked for authority to exercise options to purchase certain lands, water rights, and rights of way from the Antelope Valley Land and Cattle Company. On motion duly made, seconded and carried, the Commission authorized the Walker River Irrigation District to issue and deliver bonds of said district in the sum of $82,500 and to pay to said company out of the construction fund of said district the sum of $8,475, which amount represents the value of additional land purchased from the company minus accrued interest.

On July 5, 1922, the Walker River Irrigation District asked authority to purchase a No. 205KC drag-line excavator and traveling crane for four $1,000 bonds of said district, with coupons Nos. 1, 2, 3, 4, and 5 attached. Authority was given to purchase the machine and make payment therefore by the delivery of the bonds specified.

At a subsequent meeting of the Commission held November 10, 1922, the Walker River Irrigation District requested the approval of the intended sale of six $1,000 bonds of said district to be used for a refund to the General Fund for expense of litigation and engineering of the Bridgeport Reservoir site (the refund being $2,047.70), the balance of the issue to be used in the protest against C. E. Loose for use of the Bridgeport Reservoir site, before the Federal Power Commission. The district further requested approval of the sale of four $1,000 bonds, proceeds to be used for the purpose of improving the bank of the intake canal and to enlarge the capacity of Topaz Lake Reservoir from 44,000 to 50,500 acre-feet. Inasmuch as the two above proceedings had been approved by the Attorney-General as to legality, and the accompanying report by J. A. Beemer, Chief Engineer of the District, being satisfactory to the Commission, authority was given to sell ten $1,000 bonds for the purposes mentioned.

# EXECUTIVE BUDGET REPORT ON INCOME

## State Engineer Department

| Source | Actual Income 1921 | Actual Income 1922 | Estimated Income 1923 | Estimated Income 1924 |
|---|---|---|---|---|
| STATE APPROPRIATIONS— | | | | |
| From General Fund | $23,301.30 | $26,698.70 | $18,500.00 | $16,150.00 |
| From General Fund* | ..... | ..... | 7,600.00 | 7,600.00 |
| Totals | $23,301.30 | $26,698.70 | $26,100.00 | $23,750.00 |
| FEES— | | | | |
| From all sources, 1921 | $7,579.59 | $7,764.80 | ..... | ..... |
| Balance from 1920 | 930.00 | ..... | ..... | ..... |
| Balance from 1920 | 4,617.16 | ..... | ..... | ..... |
| Balance on hand, 1921 | ..... | 5,187.16 | ..... | ..... |
| Totals | $13,126.75 | $12,951.96 | $11,700.00 | $11,700.00 |
| *Apportioned*— | | | | |
| Fees to General Fund | $5,039.59 | $4,973.80 | ..... | ..... |
| Publication | 2,900.00 | 2,281.00 | ..... | ..... |
| Fees on hand | 5,187.16 | 6,697.16 | ..... | ..... |
| Support | 27,246.10 | 26,278.12 | ..... | ..... |
| Equipment | 1,055.20 | 420.58 | ..... | ..... |
| Totals | $36,428.05 | $39,650.06 | ..... | ..... |

*State Engineer and Assistant Engineer salaries.

### Adjudication Fund

| | | | | |
|---|---|---|---|---|
| State Appropriations | $20,000.00 | ..... | ..... | ..... |
| *Apportioned*— | | | | |
| Support | $6,883.18 | ..... | ..... | ..... |
| Salaries | 13,116.82 | ..... | ..... | ..... |
| Total | $20,000.00 | ..... | ..... | ..... |

### Engineering Experimentation

| | | | | |
|---|---|---|---|---|
| State Appropriations | ..... | ..... | $1,250.00 | $1,250.00 |

### Snow Survey

| | | | | |
|---|---|---|---|---|
| State Appropriations | $858.25 | $641.75 | $1,000.00 | $1,000.00 |
| *Apportioned*— | | | | |
| Salaries | $396.55 | $331.95 | $650.00 | $650.00 |
| Traveling expenses | 97.38 | 66.82 | 75.00 | 75.00 |
| Supplies | 84.45 | 137.38 | 125.00 | 125.00 |
| Miscellaneous | 61.61 | 57.50 | 50.00 | 50.00 |
| Equipment | 218.26 | 48.10 | 100.00 | 100.00 |
| Totals | $858.25 | $641.75 | $1,000.00 | $1,000.00 |

### Water Resources U. S. G. S.

| | | | | |
|---|---|---|---|---|
| State Appropriations | $2,767.60 | $2,232.40 | $3,000.00 | $3,000.00 |
| *Apportioned*— | | | | |
| Salaries | $1,713.83 | $943.95 | $1,500.00 | $1,500.00 |
| Support | 1,053.77 | 1,288.45 | 1,500.00 | 1,500.00 |
| Totals | $2,767.60 | $2,232.40 | $3,000.00 | $3,000.00 |

### Colorado River Commission

| | | | | |
|---|---|---|---|---|
| State Appropriation | $2,463.20 | $2,536.80 | $2,500.00 | $2,500.00 |
| *Apportioned*— | | | | |
| Support | $939.60 | $790.00 | $1,000.00 | $1,000.00 |
| Traveling | 1,504.11 | 1,728.51 | 1,400.00 | 1,400.00 |
| Miscellaneous | 19.69 | 17.66 | 100.00 | 100.00 |
| Equipment | 10.00 | ..... | ..... | ..... |
| Revert to General Fund | ..... | .03 | ..... | ..... |
| Totals | $2,463.20 | $2,536.80 | $2,500.00 | $2,500.00 |

### Owyhee River Commission

| | | | | |
|---|---|---|---|---|
| State Appropriations | $1,258.61 | $1,240.39 | ..... | ..... |
| *Apportioned*— | | | | |
| Support | $908.16 | $1,240.39 | ..... | ..... |
| Equipment | 351.45 | ..... | ..... | ..... |
| Totals | $1,259.61 | $1,240.39 | ..... | ..... |

## Expenditures State Engineer Department

| | | | | |
|---|---|---|---|---|
| **Salaries—** | | | | |
| State Engineer | $4,000.05 | $4,000.00 | $4,000.00 | $4,000.00 |
| Assistant State Engineer | 3,600.00 | 3,600.00 | 3,600.00 | 3,600.00 |
| Office Engineer | 3,800.05 | 2,091.78 | 2,700.00 | 2,700.00 |
| Stenographers | 2,555.15 | 3,226.76 | 3,000.00 | 3,000.00 |
| Clerks | 2,270.00 | 2,000.00 | 2,100.00 | 2,100.00 |
| Field Engineers | 1,130.00 | 3,833.80 | 4,200.00 | 4,200.00 |
| Attorney | 200.00 | 2,600.00 | ---------- | ---------- |
| Labor | 8.00 | ---------- | ---------- | ---------- |
| Totals | $17,653.20 | $21,412.37 | $19,600.00 | $19,600.00 |
| **Traveling Expenses—** | | | | |
| Automobile | $1,756.00 | $1,827.16 | $1,500.00 | $1,500.00 |
| Train | 589.44 | 635.93 | 500.00 | 500.00 |
| Subsistence | 690.21 | 1,077.82 | 700.00 | 700.00 |
| Totals | $3,035.65 | $3,540.91 | $2,700.00 | $2,700.00 |
| **Supplies—** | | | | |
| Stationery | $723.82 | $600.70 | $650.00 | $650.00 |
| Stamps | 338.60 | 397.26 | 300.00 | 300.00 |
| Coal | 17.50 | ---------- | ---------- | ---------- |
| Totals | $1,084.92 | $997.96 | $950.00 | $950.00 |
| **Miscellaneous—** | | | | |
| Telephone and telegraph | $268.14 | $216.87 | ---------- | ---------- |
| Express | 97.29 | 53.01 | ---------- | ---------- |
| Repairs | 54.15 | 6.00 | ---------- | ---------- |
| Rentals | 40.25 | ---------- | ---------- | ---------- |
| Bond premiums | 12.50 | ---------- | ---------- | ---------- |
| Fees | ---------- | 1.00 | ---------- | ---------- |
| Publications | ---------- | 50.00 | ---------- | ---------- |
| Totals | $472.33 | $326.88 | $500.00 | $500.00 |
| **Equipment (asset)—** | | | | |
| Automobile and parts | ---------- | ---------- | $1,500.00 | ---------- |
| Typewriter—2 | $172.35 | ---------- | ---------- | ---------- |
| Filing safe | 253.10 | ---------- | ---------- | ---------- |
| Brief case | 4.75 | ---------- | ---------- | ---------- |
| Exchange on automobile | 450.00 | ---------- | ---------- | ---------- |
| Linoleum | 175.00 | ---------- | ---------- | ---------- |
| Steel shelves | ---------- | $420.58 | ---------- | ---------- |
| Calculating machine | ---------- | ---------- | 350.00 | ---------- |
| Steel filing cases | ---------- | ---------- | 500.00 | ---------- |
| Totals | $1,055.20 | $420.58 | $2,350.00 | ---------- |

## Adjudication Water Rights

| | | | | |
|---|---|---|---|---|
| **Salaries—** | | | | |
| Field engineers | $8,497.42 | ---------- | ---------- | ---------- |
| Stenographers | 2,614.40 | ---------- | ---------- | ---------- |
| Legal service | 2,600.00 | ---------- | ---------- | ---------- |
| Janitors | 5.00 | ---------- | ---------- | ---------- |
| Total | $13,116.82 | ---------- | ---------- | ---------- |
| **Traveling Expense—** | | | | |
| Automobile | $1,895.06 | ---------- | ---------- | ---------- |
| Train | 715.71 | ---------- | ---------- | ---------- |
| Subsistence | 2,565.06 | ---------- | ---------- | ---------- |
| Total | $5,175.83 | ---------- | ---------- | ---------- |
| **Supplies—** | | | | |
| Maps | $202.21 | ---------- | ---------- | ---------- |
| Lumber | 21.65 | ---------- | ---------- | ---------- |
| Stationery | 271.42 | ---------- | ---------- | ---------- |
| Stamps | 39.66 | ---------- | ---------- | ---------- |
| Total | $534.94 | ---------- | ---------- | ---------- |
| **Miscellaneous—** | | | | |
| Telephone and telegraph | $74.66 | ---------- | ---------- | ---------- |
| Advertisement | 10.25 | ---------- | ---------- | ---------- |
| Rental of halls | 9.00 | ---------- | ---------- | ---------- |
| Express | 11.14 | ---------- | ---------- | ---------- |
| Total | $105.05 | | | |
| **Equipment (Asset)—** | | | | |
| Dodge automobile | $1,000.00 | ---------- | ---------- | ---------- |
| Planimeters | 63.36 | ---------- | ---------- | ---------- |
| Canteen | 1.50 | ---------- | ---------- | ---------- |
| Two stools | 2.50 | ---------- | ---------- | ---------- |
| Total | $1,067.36 | | | |

### Engineering Experimentation

| | | | | |
|---|---|---|---|---|
| Salaries | ..... | ..... | $300.00 | $300.00 |
| Traveling expense | ..... | ..... | 675.00 | 675.00 |
| Supplies | ..... | ..... | 100.00 | 100.00 |
| Miscellaneous | ..... | ..... | 175.00 | 175.00 |
| Totals | | ..... | $1,250.00 | $1,250.00 |

### Snow Survey

| | | | | |
|---|---|---|---|---|
| SALARIES— | | | | |
| Labor, making surveys | $396.55 | $331.95 | $650.00 | $650.00 |
| TRAVELING EXPENSE— | | | | |
| Automobile | $5.40 | $9.31 | ..... | ..... |
| Train | 24.04 | 36.24 | ..... | ..... |
| Subsistence | 67.94 | 21.27 | ..... | ..... |
| Totals | $97.38 | $66.82 | $75.00 | $75.00 |
| SUPPLIES— | | | | |
| Stamps | $8.25 | $12.39 | ..... | ..... |
| Hardware (misc.) | 51.45 | 31.05 | ..... | ..... |
| Stationery | 24.75 | 93.94 | ..... | ..... |
| Totals | $84.45 | $137.38 | $125.00 | $125.00 |
| MISCELLANEOUS— | | | | |
| Telephone | $7.80 | $26.59 | ..... | ..... |
| Express and freight | 10.06 | 30.91 | ..... | ..... |
| Repairs | 12.25 | ..... | ..... | ..... |
| Rent | 25.00 | ..... | ..... | ..... |
| Drayage | 6.50 | ..... | ..... | ..... |
| Totals | $61.61 | $57.50 | $50.00 | $50.00 |
| EQUIPMENT (Asset)— | | | | |
| Spring balance | $92.40 | ..... | ..... | ..... |
| Snow cutters | 102.06 | ..... | ..... | ..... |
| Poles and wrenches | 8.10 | ..... | ..... | ..... |
| Tubing | 15.70 | ..... | ..... | ..... |
| Shipping cases | ..... | $28.00 | ..... | ..... |
| Lantern slides | ..... | 20.10 | ..... | ..... |
| Totals | $218.26 | $48.10 | $100.00 | $100.00 |

### Water Resources U. S. G. S.

| | | | | |
|---|---|---|---|---|
| SALARIES— | | | | |
| Gage Observers | $1,693.83 | $943.95 | ..... | ..... |
| Labor | 20.00 | ..... | ..... | ..... |
| Totals | $1,713.83 | $943.95 | $1,500.00 | $1,500.00 |
| TRAVELING EXPENSE— | | | | |
| Automobile | $516.47 | $541.26 | ..... | ..... |
| Subsistence | 426.53 | 213.20 | ..... | ..... |
| Totals | $943.00 | $754.46 | $1,000.00 | $1,000.00 |
| MISCELLANEOUS— | | | | |
| Hardware and lumber, etc. | $109.80 | $39.81 | ..... | ..... |
| Telephone and telegraph | .97 | 3.50 | ..... | ..... |
| Repairs | ..... | 13.00 | ..... | ..... |
| Exchange on Ford car | ..... | 477.58 | ..... | ..... |
| Totals | $110.77 | $533.99 | $500.00 | $500.00 |

### Colorado River Commission

| | | | | |
|---|---|---|---|---|
| SALARIES— | | | | |
| Commissioner | $270.00 | $790.00 | ..... | ..... |
| Engineers | 660.00 | ..... | ..... | ..... |
| Totals | $930.00 | $790.00 | $1,000.00 | $1,000.00 |
| TRAVELING EXPENSE— | | | | |
| Automobile | $86.09 | ..... | ..... | ..... |
| Train | 1,147.11 | $1,419.51 | ..... | ..... |
| Subsistence | 270.91 | 309.00 | ..... | ..... |
| Totals | $1,504.11 | $1,728.51 | $1,400.00 | $1,400.00 |
| MISCELLANEOUS— | | | | |
| Stamps | $4.55 | ..... | ..... | ..... |
| Telegrams | 14.54 | $17.66 | ..... | ..... |
| Totals | $19.09 | $17.66 | $100.00 | $100.00 |
| EQUIPMENT (Asset)— | | | | |
| Map | $10.00 | ..... | ..... | ..... |
| Totals | $2,463.20 | $2,536.17 | $2,500.00 | $2,500.00 |

## Owyhee River Commission

| | | | | |
|---|---|---|---|---|
| SALARIES— | | | | |
| Engineers | $580.08 | $850.00 | ..... | ..... |
| TRAVELING EXPENSE— | | | | |
| Automobile | $129.50 | $70.10 | ..... | ..... |
| Train | 107.20 | 62.44 | ..... | ..... |
| Subsistence | 56.00 | 250.95 | ..... | ..... |
| Totals | $292.70 | $383.49 | ..... | ..... |
| SUPPLIES— | | | | |
| Lumber | $14.87 | $5.00 | ..... | ..... |
| Soil pipe | 13.95 | ..... | ..... | ..... |
| Stamps | ..... | 0.79 | ..... | ..... |
| Totals | $28.82 | $5.79 | ..... | ..... |
| MISCELLANEOUS— | | | | |
| Telephone and telegraph | $3.34 | $1.11 | ..... | ..... |
| Express | 3.22 | ..... | ..... | ..... |
| Totals | $6.56 | $1.11 | ..... | ..... |
| EQUIPMENT (Asset)— | | | | |
| Water levels (2) | $351.45 | ..... | ..... | ..... |

TYPOGRAPHICAL
UNION LABEL
WASHOE

TYPOGRAPHICAL
UNION LABEL
WARNOCK