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IN THE DISTRICT COURT OF THE THIRD JUDICIAL DISTRICT
OF THE TERRITORY OF ARIZONA, IN AND
FOR THE COUNTY OF MARICOPA.

PATRICK T. HURLEY,
Plaintiff,
THE UNITED STATES OF AMERICA,
Intervenor,
Against
CHARLES F. ABBOTT and Four
Thousand Eight Hundred Others,
Defendants.

No. 4564
DECREE.

This cause having come on regularly to be heard upon the complaint of the Plaintiff, the Petition in Intervention and Cross Complaint of the United States of America, and upon the Pleas and Answers of various defendants herein, and upon the default of certain defendants in appearing and answering; the Plaintiff appearing herein by Messrs. Joseph H. Kibbey, and Roy S. Goodrich, his attorneys, The United States of America by Mr. J. L. B. Alexander, United States Attorney for the Territory of Arizona, and various defendants by Messrs. Anderson & Anderson, C. F. Ainsworth, Thomas Armstrong, Jr., A. C. Baker, Walter Bennett, Alexander Buck, Lysander Cassidy, Chalmers & Wilkinson, Christy & Lewis, E. S. Clark, Frank Cox, J. W. Crenshaw, J. K. Doolittle, E. B. Goodwin, P. H. Hayes, J. M. Jamison, W. J. Kingsbury, J. H. Langston, A. D. Leyhe, Reese M. Ling, Frank H. Lyman, B. E. Marks, O'Neill & McKean, J. C. Phillips, Thomas J. Prescott, C. H. Rutherford, G. W. Silverthorn, and Charles Woolf, their attorneys, and the Court having heard the evidence and the proofs, and having duly considered the same and being fully advised in the premises and having filed its decision in writing herein, with accompanying tables,

IT IS ORDERED, ADJUDGED AND DECREED, That the various parties hereto, and their successors in interest be, and they hereby are, entitled to divert or to have diverted from the water flowing in the Salt River to and upon the land owned or possessed by them as their interest may appear, for beneficial use upon such land, such amount of water as

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may be necessary and proper for the economical and successful irrigation and cultivation of such land, in area and extent, and in duration, and according to the relative rights in priority of appropriation, and in the amount, manner and form as shown, set forth and determined in the following decision herein of this date, and the tables annexed thereto, which decision and accompanying tables are hereby made a part of, and are to be considered as incorporated in, this Decree and to which reference is hereby made for exact and particular description and provision,

AND IT IS FURTHER ORDERED, ADJUDGED AND DECREED, That Frank P. Trott, be and he hereby is appointed Commissioner of this Court to execute and to carry out the provisions of the decision and decree herein, with the powers and duties as in said decision more fully set forth, subject at all times to the control and supervision of the Court, and the said Commissioner shall be paid as compensation for his services by the owners of the land, through the canal agencies serving them, the amount and in the manner as in said decision specified.

The Plaintiff and the United States of America, intervenor, shall each recover as against the defendants their costs to be taxed.

The Court retains jurisdiction of the cause and of the issues embraced herein and, upon good cause shown, may from time to time modify, enlarge, or abrogate any portion or feature of this decree, or of the decision and tables filed herewith as a part hereof, by order or supplemental judgment or decree to be entered at the foot hereof.

This Decree, and the Provisions of the Decision herein, shall become effective on and after April 1st, A. D. 1910.

Dated, Phoenix, March 1, 1910.

EDWARD KENT,
Judge.

IN THE DISTRICT COURT OF THE THIRD JUDICIAL DISTRICT
OF THE TERRITORY OF ARIZONA, IN AND
FOR THE COUNTY OF MARICOPA.

PATRICK T. HURLEY, *Plaintiff,* THE UNITED STATES OF AMERICA, *Intervenor,* Against CHARLES F. ABBOTT and Four Thousand Eight Hundred Others, *Defendants.*	**DECISION**

The Salt River Valley, so-called, is an alluvial plain, nearly level, lying in the central portion of the Territory of Arizona, the soil of which, when supplied with sufficient water, is extremely fertile. Its approximate length from east to west as far as the Agua Fria river is thirty-five miles; its average width fifteen miles. The climate is arid with but a slight rainfall, and artificial application of water to the land is necessary in order for the successful growth of agricultural products. Entering the valley from the northeast is the Salt river, a non-navigable stream. Into the Salt river and just before its entrance into the valley, flows the Verde river; the Salt river, after such conflux, empties into the Gila river in the southwestern part of the valley. In the valley are located the city of Phoenix and the towns of Tempe, Mesa, Lehi, Scottsdale, Peoria, Glendale and Alhambra; and these places and the farming country lying east of the Agua Fria river tributary to them are irrigated by water diverted from the Salt river by means of canals. The river is subject to very great variations in the amount of water flowing in it; from time to time there is a large volume of water in the river, more than adequate for the irrigation of all the land hitherto attempted to be cultivated; for the greater part of the year the supply is inadequate for such cultivation.

The land shows evidence of cultivation in prehistoric times by irrigation from the same source as at present. Cultivation in recent times began about the year 1869. From the cultivation of a few hundred acres in 1869, the area 1869

of such cultivation in the valley has increased until at the present time there are approximately 151,000 acres attempted to be cultivated from water diverted from the Salt river at various points of diversion on the river at or above the "Joint Head" hereinafter described. Although all the water flowing in the Salt river is, in the lower stages of the water in the river, diverted by canals which have their heads at such points in the river, nevertheless additional land lying to the westward, not covered by the ditches aforesaid, is irrigated by means of ditches which have their heads in the river below the Joint Head. This is made possible by the peculiar conditions which obtain in the river whereby, though dry above, water rises in the channel of the river below, forming a new source of supply independent of that diverted above. Such additional land and the relative rights of such land or the owners thereof to water for irrigation purposes are not included within the issues of this suit.

The canals serving the land embraced in this suit lying to the north of the river are the Salt River Valley Canal, the Maricopa, the Grand, and the Arizona; those serving land embraced in this suit lying to the south of the river are the Tempe, the Broadway, the San Francisco, the Utah, the Mesa, the Highland, and the Consolidated. A general map showing the river, the land in question, and the means of diversion thereto of the water supply, is attached hereto, marked Map No. 1.

Of the canals on the north side, the canal now known as the Salt River Valley Canal is the oldest of those now in service; it was commenced in the year 1867 and was originally known as the Swilling ditch. Its head was at a point about five miles east of the present site of the city of Phoenix. The slope of the land on the north side of the river being generally to the southwest, this canal in general serves the land lying to the south and west of its course—approximately 19,000 acres.

Some time after the construction of the original Swilling ditch, it was extended and a branch was taken from it at a point about two miles below its divergence from the river, and constructed to the north and west, and became known as the Maricopa canal, serving in general land lying between it and the Salt River Valley canal, approximately 18,000 acres; the head of this canal in the river is the same as that of the Salt River Valley canal, and is known as the "Joint Head."

In 1878 construction was begun of the Grand canal, which had its head on the river at a point about three miles above the Joint Head, serving land lying between it and the Salt River Valley canal, approximately 17,000 acres. After the great flood of the year 1891, the head of the Grand canal was discontinued and the Grand canal thereafter received its water from the Arizona canal by means of a cross-cut therefrom.

In 1883 the construction of the Arizona canal was begun. The head of this canal was above that of all the other canals in the valley at a point some twenty-eight miles east of the city of Phoenix. The Arizona canal is the most northerly of all the canals and serves land lying between it and the Maricopa canal, and also some land on the north side of the river east of the Grand, Maricopa, and Salt River Valley canals, in all approximately 38,000 acres.

Water is also diverted from the river by means of the Arizona canal and conveyed through the cross-cut to the Maricopa and Salt River Valley

canals, thus adding to the supply of the two latter canals over and above that taken by them from the river at the Joint Head.

On the south side of the river the first canal constructed was the Tempe irrigating canal, begun in the year 1870, its head being at a point on the south side of the river about nine miles above the Joint Head. This canal serves the land lying under it and its various branches, approximately 24,400 acres.

A small ditch called the Broadway was taken out about 1870, with its head originally about four miles west of the Joint Head. The head, however, was abandoned about twelve years ago, and since then the land for which the canal was originally built, approximately 450 acres, has been served partly by an extension of the original Broadway ditch, receiving a part of the water through the Tempe canal (which water for more than the year last past, however, has been carried by the San Francisco canal), and partly through the Marmonier or French ditch, which latter ditch has its head below the Joint Head.

About that time a canal known as the San Francisco canal was also constructed, with a head about a mile and one-half above the Joint Head, serving land under it similarly situated, approximately 4,000 acres. An independent head for this canal has long since been discontinued and it receives its water through the Tempe canal.

In 1877 the Utah canal was constructed, with a head about five miles above the head of the Tempe canal, and it, together with the extension thereof afterwards built, serves land under it, approximately 11,200 acres.

In 1878 the construction of the Mesa canal was begun, which had a head in the river about two and one-half miles above the head of the Utah canal, and it serves land under it, approximately 16,400 acres.

In 1888 the construction of the Highland canal was begun, with a head about three miles above the head of the Mesa canal, and it serves land lying under it similarly situated, approximately 425 acres.

In 1891 the construction of the Consolidated canal was begun, with a head about three miles above the head of the Utah. It serves land under it approximately 2,300 acres.

In the year 1874 C. T. Hayden, a shareholder in the Tempe Canal Company, erected a flour mill at Tempe on the banks of the Tempe canal, and by an arrangement with the other shareholders of the Tempe Canal Campany, had supplied to him through that canal water sufficient to operate his mill, being a maximum amount of water equal to a flow of 1,100 miners' inches. Since that date this mill has been continuously so served.

In the year 1887 a suit was begun in this Court entitled M. Wormser and others against the Salt River Valley Canal Company and others. It was a suit instituted for the purpose of enjoining certain parties to it, owners of the canal systems, from the diversion of the water from the Salt river in derogation of the rights of the plaintiffs. The purpose of such suit and the reasons for it, historically applicable to this present suit, are set forth in the following extract from the opinion of Judge Kibbey rendered therein in the year 1892:

"The earlier efforts of the settlers under these older ditches toward cultivation was confined to the production of hay and grain, and a few garden

vegetables, the cultivation of which was confined to that period of the year when the water in the river was very abundant. As the settlement became older and its population increased, a more extended cultivation began to be undertaken. Instead of confining themselves to hay and grain, as above mentioned, the ranchers gradually began the planting and cultivation of alfalfa, fruits and vines, which required water during the entire year. Under the conditions as they originally existed, and as is usual in such cases, there were many usurpations and concessions of rights to the diversion of water, unnoticed at the time, or, if noticed, tacitly and without objection acquiesced in because of the then abundance of water. As the population increased and with it the more extended form of cultivation, a deficiency in water began to be noticed. While the river during the months in which hay and grain and the ordinary agricultural crops are being grown had in it a vast volume of water, this volume diminished with the advance of the season, from thousands of cubic feet per second to about, at a minimum of, three hundred cubic feet per second, and as both the increase of population and the different products to which the land was cultivated increased, the demand for water in the summer months, when the supply is the least, aggravated by an unnecessary and very considerable waste of water, exceeded the supply. This deficiency of supply made at once the question of priority of right to appropriate water, important, and that question is the subject matter of this suit."

In that case Judge Kibbey, after setting forth at length the facts in the case, in an exhaustive and able opinion covering the questions of law that arose therein, held that, as the parties to the suit, as was disclosed by their pleadings, had proceeded on the theory that an association of individuals or a corporation may become entitled to divert from a natural water course a definite quantity of water, and that this right depended, not on the fact that the constituent members of an association or corporation had for the water a beneficial use, and applied it to that use, but that the right and title to divert depended on the amount that they had been actually accustomed to divert, there was an omission to make that particular proof of the rights of individual appropriators upon which the right of diversion necessarily depended; and that under the pleadings and evidence in the case no attempt could be made to define the rights of individual appropriators, since an attempt to define in such suit the rights of individual irrigators would not operate as an adjudication thereof. The findings of fact in the case were therefore confined to a determination of the amount of land from time to time brought under cultivation and supplied by the various canals and ditches, and a table was prepared showing the number of quarter sections of land brought into cultivation under the various canals from time to time from the year 1868 to and including the year 1889, the determination in the case being expressly confined to the rights of the several owners of the canals and not to a determination of the rights of individual customers of such canal companies. The Court decreed that the amount of water which the various canal companies were entitled in each year to divert from the Salt river by means of their several canals and dams, was the amounts necessary under proper methods of irrigation to cultivate and irrigate the number of quarter sections set forth in such table, but did not find the amount of water actually necessary for such cultivation."

Whatever may have been the legal effect of the decree entered in the Wormser suit, there was no effective attempt to enforce it or to distribute water according to its terms. Even prior to its rendition an agreement

was entered into by the various canal companies whereby the parcels of land as found by such decree to be entitled to water lying under the Tempe and San Francisco canals should receive water for their irrigation to be diverted from the river by the Tempe canal according to the dates of the reclamation thereof, and in the amount of sixty-four miners' inches to the quarter section measured at the head of the canal. The balance of the normal flow of water in the river at its various stages was divided among the various canal companies in accordance with the terms of the agreement entered into by them independent of the various dates of reclamation of the land lying under the canals as such dates were found in the Wormser decree. Since such agreement the water in the river at its various stages up to 60,000 miners' inches has been distributed theoretically under the provisions of this decree, but practically and actually under the agreement entered into by the canal companies as just stated.

To this agreement and to this distribution of the water protest has been made from time to time since the rendition of the Wormser decree, by individual land owners not content with the action of the canal company serving them with water in that regard, and various suits have been instituted from time to time in this Court to test the validity of such distribution of the water under such arrangement, none of which suits have ever come to final judgment, and one of which, at least, is still pending awaiting the determination of this proceeding.

In the year 1903 the United States Government, acting by the authority of Congress under what is known as the reclamation act, commenced the construction of an impounding dam, known as the Roosevelt dam, upon the Salt river just below the conflux of Tonto creek with the Salt river, at a point about seventy-five miles east of the city of Phoenix, for the purpose of storing the waters of the Salt river in a reservoir at that point. This dam, now rapidly approaching its completion, will be approximately 280 feet in height above bedrock, will create a reservoir lake of some twenty-five miles in length and an average of more than one mile in width, and will impound approximately 1,300,000 acre feet of water. The height of the dam is already sufficient to impound at present a large body of water, and its completion is expected within the next few months. The object of the dam and the purpose of the Government in its erection is to store in the reservoir the surplus water in the Salt river over and above the amount of the normal flow of the river appropriated and used. The Government also finished the construction in the year 1908 of a permanent diversion dam across the Salt river known as the Granite Reef dam at a point about twenty-five miles east of Phoenix, three miles below the conflux of the Verde river, from which dam water is now being diverted into the Arizona canal for the use of the land lying on the north side of the river, and which now diverts a large portion and which is capable of diverting all of the water necessary for the land on the south side of the river.

An association of land owners known as the Salt River Valley Water Users Association was formed, comprising nearly all the owners of the land lying on the north side of the river embraced in this suit, capable of irrigation, and the owners of a majority of all the land lying on the south side of the river. The owners of a large majority of the land lying under the Tempe and San Francisco canals, however, have not joined the association. By contracts between the Government and the members of the water users association, the latter will be entitled to receive for their land their propor-

tionate share of the surplus water that may be stored by the Government in its impounding reservoir. Those not in the association will have no contractual rights with the Government with respect to the water thus impounded.

In the year 1905 this suit was instituted by the plaintiff, P. T. Hurley, he claiming to be an early appropriator of water, and asking to have his title quieted to the use of an amount of water sufficient to cultivate the land owned by him. He made as defendants in the suit a large number of other individual land owners in the valley. After the commencement of the suit, the United States, having acquired the possession and ownership of the canals on the north side of the river, and being interested in its capacity as guardian of a number of Indian settlers on the reservations situated in the valley, by leave of Court first obtained, intervened as a party in the suit and filed its answer and cross complaint, and sought and obtained process to make party defendants to its cross complaint all land owners in the district in the valley irrigated by the canals above mentioned, and prayed for a judgment establishing the rights of each individual defendant and each parcel of land to the water in the river, and the establishment of the various dates of appropriation of water by each individual land owner. These various individual land owners, some four thousand eight hundred in all, were served with process in the suit, and evidence has been taken before the Court respecting the duty of water and the dates of reclamation of the various parcels of land in the irrigable district in the valley in question from the year 1869 to and including the year 1909, the testimony being taken intermittently during a period of two and one-half years. The case is now before the Court for adjudication.

The purpose of this suit is to obtain a judicial determination and definition of the rights of the various parcels of land and the owners thereof under the various canals above mentioned in and to the use of the water flowing in the Salt and Verde rivers. For a complete and effective adjudication of such rights it is necessary not only to determine the date of appropriation of the water to each parcel of land, but also the amount of the water appropriated and the relative right of each parcel to the other.

The doctrine of riparian rights does not obtain in Arizona. The right of the owner of land to divert from a natural non-navigable stream the flow of the water therein and to apply the same to beneficial use upon such land, is and always has been recognized in this Territory. Such diversion and use is termed an appropriation of water. Whatever may be the steps necessary to take to initiate such a right or to evidence the intent to initiate it, the appropriation itself only becomes complete and vested when the water is actually diverted from the stream and placed to a beneficial use upon the land. The right given by such an appropriation is strictly not a right to the water itself, but a right to the use of the water. Its application to a beneficial use upon the land is as necessary in order to complete the right as is the diversion thereof from the stream. An appropriation of water, therefore, for the purpose of the irrigation of a parcel of land may not be established and completed by means merely of a declaration of intention or by the posting of notices of appropriation, nor may it be made by a canal owner or by a canal company as such alone, independent of its ownership of the land; but as application to a beneficial use upon the land is necessary to complete the appropriation, it follows that such appropriator must be an

owner of land or have a possessory right thereto. Furthermore, since the land to which the water is to be applied is a necessary integral part of the appropriation and a factor by which the amount of the water appropriated for use is measured, it follows that when the water is no longer applied to the land for which it was diverted, the right of appropriation of such water for such land ceases. The right of appropriation further depends upon a supply of water that is unappropriated. It follows, therefore, that the first in time of appropriation is the first in right to appropriate, since water previously appropriated by another is no longer available for a subsequent appropriator. The extent of the appropriation is limited by the beneficial use to which the water can be applied. The actual amount of water that may be appropriated for irrigation, therefore, is the amount that the land owner can and does actually use in the necessary and economical irrigation of his land for cultivation. This much and no more may he have; and this much he may only have when there is sufficient water available to supply first those prior in date of appropriation. The fundamental principle in the doctrine of appropriation of the normal flow of water in a stream for irrigation is its application by the land owner to the land for a beneficial use. The right to appropriate is a right that belongs to the land owner, but the water appropriated is appropriated for the land, and when so appropriated its use belongs to the land and not to the appropriator. The method of diversion from the river and the means of carriage of the water to the land is immaterial in the establishment or maintenance of the right; it may be done by the individual appropriator or by an association of individual appropriators, or by a canal company, or by any person or corporation; and the means of carriage or the point of diversion from the river may be changed from time to time to suit altered conditions without impairing the right of appropriation already made, provided prior rights of others are not interfered with. There being in this Territory no private property in water, but water being a public property subject to the uses before defined, in so diverting and carrying the water such person, association or corporation acts merely as the agent of the appropriator and acquires no right of appropriation to the water itself, and no rights as against the appropriation made to the land, except a right to proper compensation for such diversion and carriage.

Applying these general principles to the case in hand, it follows that the dates of the reclamation of the land and its first cultivation by the means of water diverted to the land by the land owner, must determine the date of the appropriation in each instance; that each appropriator in turn and prior to the one next succeeding him is entitled to have diverted and applied on his land a quantity of water sufficient for the economical cultivation thereof and no more, until the supply available shall have been exhausted, provided the use of such water on his land shall have been reasonably continuous.

The various dates of the application of water to the land, the amount of water necessary for the economical cultivation thereof, the duration of such cultivation, and the supply of water available, are therefore interstitial facts affecting all questions arising in the case.

A great amount of testimony has been taken as to the dates of application of water to the various subdivisions of land lying under the canals, and the results obtained have been checked in such ways as were possible. The results showing the years in which each piece of land was brought

into cultivation have been tabulated, and it is believed are as accurate as is practicably possible in a history which covers so great a period of time and so great an acreage. In each instance where a land owner has brought into cultivation in a given year a portion only of a section or subdivision of a section of land owned by him, but with the intention of speedily reclaiming the balance, and he or his successors in interest subsequently and within a reasonable time have brought the balance of such land into cultivation by irrigation, and such cultivation has been kept up, I have under the doctrine of relation fixed as the date of the appropriation for the whole tract the date of the first cultivation of the part.

Testimony has also in each instance been given as to the duration of cultivation. While in the main correct and accurate, it is my belief that in a number of instances the facts as to the duration and extent of the cultivation of the land have been exaggerated. So far as possible the testimony given has been compared with other reliable data and in a few of such instances the testimony given has been disregarded as undoubted error.

The amount of water flowing in the river varies greatly in each month in the year, in each year, and in a given month in each year. No accurate or probable estimate of the amount of water that will be available either by the month or by the year can be predicted. A table compiled from the records that have been kept by the water commissioner for the past fourteen years, showing the monthly average and the annual precipitation of rain and the daily average amount of water by months and by years that has been received by the canals from the river, is hereby made a part of this decision and filed herewith, and designated as Table No. 1.

By the "normal flow of the river," as that expression is used in this decision, is meant the flow of water in the river at its varying stages available for appropriation. The maximum normal flow is the total amount to be diverted from the river for the cultivation of all the parcels of land to which water has been appropriated. By "flood water" is meant water flowing in the river over and above the maximum normal flow. By "surplus water" is meant the flow of the river, both normal and flood, not needed or used. By "stored water" is meant the water impounded in the Roosevelt reservoir.

The actual maximum normal flow is the total amount to which the land is entitled, as shown by the table hereinafter referred to, plus the estimated loss in carriage, and amounts in all to approximately 58,000 miners' inches. The total practicable carrying capacity of all the various canals is roughly 87,000 miners' inches. The practical carrying capacity of the Tempe canal, through which is diverted the water supplying the parcels of land generally not in the water users' association, and therefore not to be entitled by contractual relations with the Government to the benefits of the stored water, is roughly 16,000 miners' inches.

The amount of water necessary for proper and economical irrigation and cultivation of a given amount of land is perhaps the most difficult of satisfactory solution of all the numerous questions arising in the case. The views expressed by the various witnesses are widely divergent. Theoretically for many years last past, under the agreement as to diversion, the land entitled to water under the Tempe and San Francisco canals has been supplied therewith upon a basis of 64 miners' inches constant flow to each

quarter section, measured at the head of the Tempe canal. In reality the land has not had any such fixed quantity nor its equivalent. At times it has had more, at times less. For the greater part of the time more land in the valley has been attempted to be cultivated than the water available would supply. Under the distributing agreement before referred to, land older in cultivation and prior in right shared with later land the supply of water available during the low stages of the river, and each had diverted for large portions of many years less than the equivalent of the 64 miners' inches. No record extending over any appreciable period of time has ever been kept as to the effect of a given amount of water on a given amount of land, nor has the amount of water required for a given amount of land been determined by any series of experiments with any constant or varying quantity of water. The character of the soil differs in different parts of the valley, some land requiring more water by reason of its character than other land of a different soil. These differences in soil are not in land lying in defined boundaries and thus perhaps susceptible of differentiation, but are found all over the valley in such position and placement as to make it impracticable to segregate them. The amount of water necessary successfully and economically to cultivate a given product, such as alfalfa, is greater than that necessary for another, such as grain; and so through a long list of various products. These products are likewise scattered throughout the valley and are not embraced each within its own separate confines. The duty of water, by which expression I mean the amount of water necessary for the successful and economical cultivation of the land, in reality, therefore, differs with the different crops and with the different soils to be found in the valley under the conditions as they exist. But one standard, however, can be taken, since the variations as to crops and soil cannot practically be followed by a varying standard as to the duty of water dependent upon such variations of crop and soil; nor can the matter of the amount required be left to the judgment and demand of the individual land owner dependent upon the crop he may plant. To avoid confusion and to promote a certainty of division and distribution of the water, the standard to be taken must be determined by the Court, and must be such as will apply to all land and all crops, and which, while it will permit by economical use of sufficient water for the cultivation of the land in great part at least to the crop requiring the most water, will still be not too much for the land owner who intends to cultivate a portion of his land to the crop requiring a less amount of water. Such a standard, while perhaps not permitting of a precise conformity with existing conditions, can for the present at least experimentally be tried, and hereafter changed as it may be found to be inadequate or too great. I believe that 48 miners' inches constant flow to the quarter section of land, measured and delivered at the land, is sufficient under ordinary conditions for the proper, economical and successful irrigation of the average product as grown in the district. I therefore fix upon and determine such to be the duty of water for the purposes of this case, subject, however, to an increase or decrease of such standard upon application to the Court in this suit hereafter as conditions may require and develop after due trial of such amount as such standard.

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When practicable, measurement of the water to be delivered should be made at the entrance of the lateral to each quarter section. When such measurement cannot be so made, and until so made, the measurement shall be made at or near the point of diversion of the water from the river, except as hereinafter provided. When the water is not measured at the land, there must be added to the 48 miners' inches constant flow found to be the

amount necessary for the cultivation of a quarter section of land, an amount necessary to cover the loss from evaporation and seepage from the point of diversion from the river to the land. Like the duty of water, this estimated loss by evaporation and seepage has not been determined in this valley by any series of experiments or otherwise. In fixing upon an amount to be added to supply such loss by evaporation and seepage, I am guided by the testimony as to the use of water in the valley in the past, by expert testimony, and by testimony as to experiments made elsewhere. Taking into consideration the average flow in the canal, the different seasons of the year, the wasteful ordinary open earth channel now in use, the extent of the area exposed to evaporation and the greater loss by seepage in the laterals, and the fact that the loss also applies to the water to be added, it is believed that one per centum added for each mile of carriage from the point of diversion from the river at the head of the canal to the termination of such canal in its main course, will approximately supply the loss by evaporation and seepage in the volume of the water so delivered for general distribution. Until the further order of the Court, and until such amount which is hereby fixed upon shall be found to be inadequate or too great, to the water to be diverted to each canal for use upon the land under it entitled thereto when measured at the head of the canal, there shall be added for loss by evaporation and seepage one per centum of the amount of water diverted for each mile of such canal length in its main course.

The main course of a canal as here used is defined to be its course from its head to the point where the canal ceases to be a main canal and becomes in effect a distributing lateral.

The water for the land on the north side of the river is supplied through the Arizona canal and the Joint Head, and the land so supplied forms one system. The length of the Arizona canal in its main course is 36 miles, and this is also approximately the length in main course of the canals of the Grand, the Maricopa, and the Salt, measured from the head of the Arizona canal. To ascertain the amount of water to be delivered for this system, therefore, when measured at the head of the Arizona canal, there shall be added one per cent of such amount for each mile of such length of canal, to-wit, 36 per cent. The length of the Maricopa and Salt River Valley canals from the Joint Head to the end of their main course is 6 miles. For water diverted at the Ioint Head there shall be added one per cent for each mile of such carriage, to-wit, 6 per cent.

On the south side of the river the land lying under the various canals is served by the canals independent of each other. The land, therefore, does not form one general system, but there are several systems, each under separate canals. The Utah, the Mesa, the Consolidated and the Highland canals no longer maintain independent heads. The water for these canals is diverted from the river at the Granite Reef dam. The water for these canals, to which the land lying under them is entitled, is to be measured at the Granite Reef dam until a system of measuring at the land is adopted. The amount to be added to the water diverted and measured to these canals for loss is therefore to be determined by the distance from the Granite Reef dam to the end of the main canal of each of these systems. This distance is found to be for these canals as follows:

The Utah, 15 miles. Amount to be added, 15 per cent.

The Mesa, 14 miles. Amount to be added, 14 per cent.

The Consolidated, 21 miles. Amount to be added, 21 per cent.

The Highland, 7 miles. Amount to be added, 7 per cent.

The Tempe canal maintains an independent head and diverts a portion of the water it carries through such head. The water so diverted is to be measured under present conditions at the present place of measurement, to-wit, a point about three hundred yards below its present head gates. To the water so diverted and measured the amount to be added for loss in subsequent carriage is to be determined by the distance from such place of measurement to the end of the main canal. This distance is hereby fixed upon as 11 miles, and the amount is, therefore, 11 per cent. A portion of the water for the Tempe canal, by a determination of Court heretofore had, has been diverted in the past at the Consolidated Head (and recently at the Granite Reef dam) and carried to the Tempe canal through the Tempe cross-cut from the Consolidated canal. So long as this method of diversion and carriage is maintained the portion of the water for the Tempe canal so diverted and carried shall be measured in such cross-cut at the place of measurement heretofore maintained, to-wit, a point about one-third mile above its junction with the Tempe canal. The amount to be added to such water for loss in subsequent carriage is to be determined by the distance from such measuring station to the end of the main canal. This distance is hereby fixed upon as 11 miles, and the amount is, therefore, 11 per cent.

The Broadway and San Francisco canals receive their water from the Tempe canal. The amount of water these canals are entitled to receive for the land lying under them is to be measured at the point of delivery to the San Francisco canal just below the Hayden mill. The amount to be added for loss to such water in subsequent carriage is to be determined by the distance from such point of measurement to the end of each of their main canals, respectively. Such distance is found to be, for the San Francisco canal, 8 miles; for the Broadway canal, 10 miles, and the amount is therefore 8 per cent and 10 per cent, respectively.

One of the essentials to the establishment of a continuing right to the use of water is a reasonably constant use. The evidence in the case shows that with respect to a large body of the land in question cultivation by irrigation has been continuous year by year from the various dates of the first reclamation of the several parcels down either to the present time or to a time sufficiently near to the present time as will permit of a determination with reasonable certainty as to the intention of the land owner with respect to a continuing cultivation. In many other instances the evidence shows that though such cultivation may not have been carried on in each and every year, the cultivation has been reasonably constant to such time, and there has been no intent to discontinue definitely such cultivation. No distinction as to right of present use of the normal flow, except that of priority, is perceived between such various parcels of land. They are entitled according to their relative dates of reclamation, and by years, to the use of the normal flow of the water in the river to the extent necessary for their economical cultivation. They form a distinct class preferred in their rights to the use of such water over and above the other parcels of land in the suit. For the purposes of this suit they may be designated as land in class A. A description of these parcels of land listed by years of date of appropriation appears in tabulated form in the tables designated 2 and 3 hereto attached, being tables for the land on the North Side and South Side

continuous use

respectively; they include all land now being cultivated or upon which cultivation was continued to as late a date as during the year of 1903. Where land has been cultivated in the past, but such cultivation discontinued prior to the new date of appropriation under which it appears in the table, the dates of such prior cultvation will be found in the table under the column entitled "Remarks." This column also gives the last date of cultivation, so far as the proof before the Court shows, when such cultivation, though not to the year 1909, is later than the year of 1902.

The evidence shows that with respect to a large amount of land, water in the past was applied thereto and the land cultivated in some instances for one or two years and in other instances for a longer period of time, in some instances constantly, in others intermittently, but in all such instances cultivation of the land had entirely ceased for a number of years, and in every instance more than five years, prior to the beginning of the taking of testimony in this suit. A large portion of the land with this history was first brought into cultivation on the north side of the river shortly after the completion of the Arizona canal, and on the south side shortly after the completion of the Highland and Consolidated canals; some land with a similar history is also found under the older canals. Generally speaking, the cultivation of such land was begun during times of plenty and discontinued during times of scarcity of the flow in the river. The hope of a sufficient continuous supply of water was followed by the realization of the fact of insufficient supply. A financial loss was the certain result of an attempt to cultivate with insufficient uncertain supply of water for irrigation, and one by one, the supply of water failing to equal the necessary demand, cultivation of these parcels of land was discontinued. The failure of these land owners to continue after such appropriation to make a reasonably constant diversion and application of water so appropriated to their land came about, not of their wish to discontinue cultivation nor because there was not at certain seasons of the year plenty of water available for such cultivation, but because no certainty of supply could be counted upon at times when such supply was essential. Such appropriation of water by these land owners as was made was, speaking broadly, an appropriation, not of the flow of the river in its lower stages, for such flow had already been appropriated by others, but of the flow in the higher stages of the water in the river over and above the flow necessary for the cultivation of the land in class A, unavailable in the past to such land owners for practical and efficient continued use because of the lack of storage facilities, but now shortly to be available by means of the impounding dam constructed by the Government. Such parcels of land to which water has hitherto been applied for the purpose of cultivation, but upon which the use of water was definitely discontinued before the year 1903, and has not been since resumed, may be designated as land in class B, and appear in the descriptive lists of such parcels showing the duration of cultivation, hereto attached, marked 4 and 5, embracing the land on the North Side and South Side respectively. These parcels of land in class B having discontinued in the past the use of the water to which otherwise they might now be entitled by reason of the appropriation made for them, no new appropriation of later date having been made by a new and continued use of water upon the land, have no right that can now be established to the normal flow of water in the river appropriated by the land in class A. Their attempted appropriation, however, of the surplus water, discontinued because of lack hitherto of storage facilities, gives them equitably a preferential right over the land in class C

(hereinafter described) in a right of application to the Government for stored water, where the owners of such land in class B are members of the water users' association, and by reason thereof may enter into contractual relations with the Government with respect thereto.

The third class of land is that which may be known as land in class C. It is such land as is situated within the irrigable district lying under the canals above mentioned, or their possible extensions, not included in classes A or B, upon which no cultivation has been had or as to which no appropriation or attempt at appropriation of the flow in the river at or above the Joint Head, has been made in the past. They are not entitled to the establishment of any right of appropriation in this suit.

The land in these three classes may be found upon the map hereto attached, marked Map No. 2, in colors as thereon designated.

By agreement entered into between the United States and the Water Users Association, the members of the latter, whether owners of land in classes A, B or C, are to be entitled to the benefits of the stored water in the Roosevelt reservoir, in such extent of acreage as the project shall serve. These benefits are to be formally obtained by those entitled thereto after the completion of the dam and upon the formal opening thereafter by the Government of this reclamation project, by contractual obligations then to be entered into by the members of the Water Users' Association with the Government. The stored water is to be distributed to those who shall have the right thereto, proportionally according to the acreage of the land, and irrespective of any priority of irrigation or cultivation of such land. Under the decision herein the owners of land in class A and in class B, because of the cultivation in the past of their land, and the facts as found, have a preferential right over the owners of land in class C to apply for and obtain from the Government a right to their proportionate share of the stored water needed by them. This preferential right to the owners of land in classes A and B is not a right to the water itself, nor does it give to those applying for and obtaining such right a priority in use or in extent of use to the stored water over owners of land in class C who may also apply and receive a similar right to the water. The preference given is merely and only that of a right to make application and have listed as sharers in the stored water the land in classes A and B before the owners of land in class C, whose land, if listed, will be listed subject to such prior right of application. Such priority of application, in order to be effective, must be availed of and be asserted both as to the owners of land in class A and the owners of land in class B within a reasonable time in order that certainty as to existing rights of all the land in the valley, as well to the surplus and stored as to the normal supply of water, may be speedily and definitely ascertained and determined. Such reasonable time is hereby fixed as one year from the formal opening by the United States Government of this reclamation project. Within such time all the owners of the land in classes A and B, in order to avail themselves of such prior right, must apply therefor to the United States Government or its reclamation officials in charge of this project, under such rules and regulations governing such application as shall be promulgated by such officials; and on and after such date all the parcels of land in classes A and B for which application for such stored water shall not have been made, or which for good cause shall not have had such application therefor granted, shall cease to have any such preferential right of application over and above the land in class C.

Attached hereto and made a part of this decision are a number of tables, the contents and purposes of which are as follows:

Table 6 is a table showing the acreage of land in classes A and B by townships and sections, followed by summaries thereof.

Table 7 is a table showing the acreage of land in class A on the North Side by townships and years of first cultivation under present appropriation.

Table 8 is a table similar to table 7, but for the South Side land.

Table 9 is a table showing the amount of the acreage of land in class A brought into cultivation year by year from 1869 to 1909, inclusive. In this table the first column shows the year of first cultivation, the second column the total acreage to such date and the increase in cultivation in that year, the third column similarly the acreage on the North Side, the fourth on the South Side, and the remaining columns such acreage under each of the various canals on the South Side.

Table 10 is a table showing the amount of water upon the basis established as the duty of water herein to which the parcels of land in class A lying on the North Side of the river, and the parcels of land in such class lying on the South Side of the river, and such parcels in such class under each of the canals lying on the South Side of the river, are entitled at the various stages of the river up to 45,325 miners' inches, the maximum amount necessary under such standard for the total acreage thereof. Such water in the river at its various stages of flow will be diverted for distribution to this land according to this table, subject to such graduation and interpolation thereof by the Commissioner as may be necessary, in the varying increase of the water, to give to the various parcels of land entitled to the increase their proportionate share thereof. When the flow in the river equals the maximum amount necessary for the irrigation of the total acreage of the land in class A, plus the loss for carriage, all such land, of course, can be supplied. When the flow in the river is less than the maximum amount, the amount available shall be distributed to the various canals for those parcels of land first entitled thereto according to their relative dates of priority by years as shown in the table. All flood and stored water shall be shared by those entitled to it, and who can avail of it, irrespective of dates of priority.

The amount of water in the river available for distribution is to be computed by taking the daily flow in the Verde river and adding thereto the amount of the daily flow in the Salt river. The daily flow in the Salt river shall not be impounded by the Government, by means of the Roosevelt dam, in the reservoir, except when the total intake in such reservoir, including the estimated loss thereto by seepage and evaporation between such intake and the conflux with the Verde river, added to the flow of the Verde river shall exceed the amount called for in table 10, plus the amount to be added thereto for loss by evaporation and seepage in the canals, unless at the request or with the assent of the users of such water whose land is entitled thereto; and no water user entitled thereto shall be deprived against his consent of his proportionate share of the normal flow of the river by reason of such impounding dam. The Government, in times of flood water, shall not by impounding water in the reservoir lessen the proportionate share of such flood water of any individual land owner not a member of the water users' association, and against his consent, nor shall it lessen the proportionate share of the Tempe and San Francisco canals, or of either of them, to such flood water available to such canals, so as to deprive such

canals of such proportion of such flood water desired when the land lying under such canals is in need of such water or any portion thereof, and can avail of it, and when such canal company shall notify the Commissiooner of its desire to divert such water or any portion thereof. The various parcels of land in the valley in cultivation are entitled to share equally, according to acreage, in the use of the flood water available; the proportionate share in the flood water of the Tempe and San Francisco canals is therefore to be measured by their relative acreage under cultivation, since the share of the land under the other canals, listed in the association, in the flood water in the Salt river can now be stored for them in the Roosevelt reservoir. The acreage under the Tempe canal is found to be approximately 16 per cent of the total acreage in cultivation. The acreage under the San Francisco canal is found to be approximately 3 per cent of the total acreage in cultivation. The amount of flood water to which the Tempe and San Francisco canals shall be entitled to receive, as above stated, is, therefore, 16 per cent and 3 per cent, respectively, of the total amount of flood water available.

The officials of the United States Government in charge of the reclamation project, the reservoir, and the impounding and diversion dams hereinbefore mentioned, shall be at all times under the direction and control of the Court with respect to the impounding, diversion and distribution of the flow of the water in the river, and they shall make such reports, daily and otherwise, of existing conditions as shall reasonably be required by the Commissioner and as shall show the amount of the flow into the reservoir and in the river, and shall cause to be diverted into the various canals or otherwise such amount or proportion of the water as the Commissioner shall direct.

Frank P. Trott, Esq., long the efficient Water Commissioner of this Court, is hereby selected and designated as the Water Commissioner to execute and carry out the provisions of the decree herein. In the exercise of such duty the Commissioner is authorized to enter upon the reservoir and the impounding and diversion dams constructed by the Government, and their gates and appliances, and also upon the canals herein mentioned, their dams, gates, laterals, and other structures and appliances whenever necessary to ascertain existing conditions, or to control, supervise, or regulate the proper delivery, carriage, or distribution of the water to be diverted by the canals under the decision and decree herein, and is authorized to establish such measuring boxes, and to make such rules and regulations as may be expedient and proper to ensure the delivery, carriage, and distribution of the water in accordance with the rights of the persons entitled thereto, as found by the decision and decree herein. The managements of the various canals shall cause to be made to the Commissioner, daily or otherwise as he shall direct, such reports and information as shall show the amount of water in their various canals, and shall cause such measurements of such amounts to be made at such places as the Commissioner shall direct, as may be necessary to obtain such information, and shall make such changes in the measurement, carriage and distribution of the water as the Commissioner shall direct. The Commissioner shall report from time to time to the Court as directed, as to his action, and shall apply to the Judge of the Court for such further or specific directions as to his powers or duties whenever such directions shall be necessary or proper for the effective carrying out of the provisions of the decree herein. At any time any party to this suit, or any canal company acting as the carrier of the water distributed, may apply to the Court or the Judge thereof for an interpretation, modification, enlargement, or annulment of any order, direction, or action of the Commissioner

in the carrying out of the provisions of the decree. The Commissioner shall receive for his services a salary in the sum of Three Thousand Dollars ($3,000.00) per annum, to be paid monthly on the first of each and every month on behalf of the parcels of land entitled to the regular flow of the river, by the owners of the canals, the carriers of such water to such land, or their successors in interest, and proportionately to the acreage served, as follows:

From the United States for the land on the North Side of the river	.608	thereof, to-wit	$152.00
From the Tempe canal for land served by it	.161	thereof, to-wit	40.25
From the San Francisco canal	.027	thereof, to-wit	6.75
From the Broadway canal	.003	thereof, to-wit	.75
From the Utah canal	.074	thereof, to-wit	18.50
From the Mesa canal	.109	thereof, to-wit	27.25
From the Highland canal	.003	thereof, to-wit	.75
From the Consolidated canal	.015	thereof, to-wit	3.75
Total	1.000		$250.00

The Commissioner shall keep an account of the necessary expenditures made by him in the proper exercise of his duty, and shall make a report of the same to the Court from time to time, and such expenditures, when allowed and approved by the Court, shall be paid by the various canal companies in the same relative proportion as the salary of the Commissioner is paid by them.

Until the further order of the Court or the Judge thereof, the Commissioner, in the execution of the decision and decree herein, shall not see to the actual application of the water to the various parcels of land entitled to it. He shall from day to day ascertain the amount of water available for distribution and the land entitled to it, according to the right thereto of the various parcels in the order of their priority as shown by table 10, and shall order and supervise the diversion to the various canals supplying such parcels of land, at such points in the river, and in such manner as shall most economically subserve, and as shall be expedient, the various amounts to which such parcels of land are entitled to have diverted at the various stages of the water available, as shown in the table. The actual application of the water to the various parcels of land entitled thereto shall be made by the management of the various canals in such manner and under such reasonable rules and regulations as to rotation and delivery as they shall establish, subject always, however, to the control and regulation of the Court. The Commissioner shall also, when necessary, similarly supervise and direct the diversion and distribution to the Tempe, San Francisco and Broadway canals of the flood water to which they are entitled.

All users of water and the agency by which such water is diverted and delivered for use, are restricted in the diversion, carriage, and use of the water to methods reasonably adapted to its conservation to the end that the water made free of use to the public shall not be wasted. The methods of application of the water to the purpose for which it is appropriated shall be of such a character as to insure as small a consumption of water as is reasonably consistent with the accomplishment of such purpose. Under the present method of diversion, distribution, and use of the water, there is in some instances an unnecessary loss of water. Whenever and wherever practicable, the Commissioner is directed to decrease such loss by causing more

economical methods or means of diversion, carriage, distribution, and use to be adopted.

Whenever, for the economical conservation, diversion, or distribution of the water, it shall be desirable and expedient that the water to be delivered to any canal system for distribution to the land under it entitled thereto, be carried thereto from the point of diversion in the river for such delivery by another canal, or by a number of other canals, such canal or canals, upon a written order by the Commissioner, shall carry such water in its or their canals and deliver the same to the canal entitled to receive it for distribution, subject, however, to a payment by such latter canal of such proper charges for such diversion and carriage as may be agreed upon, or as shall be determined by the Court or Judge, but no such order upon any such canal company for such carriage shall be made by the Commissioner without the signed approval thereon of the Judge.

The Hayden mill has established a right to the use of water for power purposes only, dating from the year 1874, in a maximum amount of eleven hundred (1,100) miners' inches. The method of diversion and carriage of the water shall be such as will enable the mill, when the supply is sufficient, to make use of such water as it is entitled to.

For more than forty years the Indians living on the reservation on the north side of the river, known as the Salt River Reservation, in township two north, range five east, have had delivered to them from the river for the cultivation of their land 500 miners' inches of water, irrespective of the amount of water in the river, whether scarce or plenty, and such water has been measured and delivered to them for the last twenty years before the segregation and division of any water to other water users. This land has acquired a prior right over and above all others to this amount of 500 inches. The amount of land to which this water has been applied is about 2,500 acres. This amount of water is insufficient properly to cultivate this amount of land. The evidence shows that for the cultivation thereof at least 700 miners' inches is necessary. Strictly, the additional 200 inches necessary could be decreed to these lands only after others prior in right had received the water to which they are entitled. In consideration, however, of the fact that the 500 inches to which the land at low stages is entitled is not increased, even when at the higher stages of the river the land by its acreage and early date of reclamation might be entitled to more than such 500 inches, and in order to avoid the practical difficulty of a method of distribution which would combine a definite fixed quantity at all stages with a varying quantity given according to priority, by consent of all parties in the suit, 700 miners' inches of water is to be given the Indians for use upon these lands at all stages in the river, and prior to the distribution and diversion of the remaining water in the river, such water to be measured at the lateral ditch or ditches to such land at their point of diversion from the Arizona canal. Certain other parcels of land in this reservation not embraced in the area above mentioned, have also been put in cultivation from time to time by these Indians, but these parcels are not included in the area for which the 700 inches are appropriated, but form a part of the land in class B entitled only to the right to obtain water appertaining to the land in that class, and are found in the tabulated statement of such land.

For many years last past a number of Indians living on land within the Camp McDowell Indian Reservation, situated along the Verde river above its conflux with Salt river, have cultivated such land by means of water di-

verted from the Verde river. The extent of such cultivation is approximately 1,300 acres. The maximum amount of water to which this land is entitled is 390 miners' inches constant flow. As a matter of fact, for some years last past, because of the insufficient means of diversion of the water from the river, and for other causes, these Indians have not been able to divert from the river the amount of water necessary for the proper irrigation of the land. It is the expressed purpose and intention of the Government within the next year to remove these Indians from this reservation to the Salt River Reservation, and to have them settle upon land within that reservation to be irrigated by means of the proportionate share in the stored water in the Roosevelt reservoir, to which such land, as land in class B or class C may acquire the right to share. In the expectation of this change of domicile and discontinuance of use of water as at present made from the Verde river by these Indians, and until the further order of the Court upon application with respect thereto in this suit, if hereafter necessary, the present diversion and use of water upon the said land in the Camp McDowell reservation by these Indians may be maintained.

Evidence has been given in the suit with respect to the cultivation of land on the south side of the river in sections 25, 26, 27, 28, 29 and 35, township 1 north, range 2 east, and 30 acres in section 30, township 1 north, range 3 east. The facts show that the cultivation of these various parcels of land was either by independent ditches from the river not embraced in this suit or by waste water. There is no such evidence of appropriation of water to these parcels of land as will permit of an establishment of their right to water diverted from the river in the canals that have their heads at or above the Joint Head, to which the issues in this suit are confined. This land, as likewise other land in the western portion of the valley not embraced in this suit, has had, and may still be entitled to have, for its source of supply the water rising in the river below the Joint Head, which supply is not within the issues here. These parcels of land, however, while not, under the testimony, entitled to a decree establishing their proportionate right of water under class A, or their right to a preferred application under class B, where they have been or shall be listed in the water users' association and become thereby privileged to enter into contractual relations with the Government with respect to the stored water, are entitled to the rights appertaining to land in class C.

Water has been applied for a number of years upon several tracts of land otherwise uncultivated for rows of ornamental and shade trees growing thereon. Such an appropriation is a valid one. The evidence shows that under ordinary conditions of planting, water sufficient for five acres of land is sufficient for one mile of such rows of trees. In determining the amount of water to be delivered to such trees, such standard of measurement has been taken.

Proof has been given in this case and the fact established of an appropriation of water to the land described as southeast quarter of section 23, township 1 north, range 3 east, by means of a subterranean flow of water, independent of the water in the river, through a ditch leading from the source of such supply in section 20, township 1 north, range 4 east. The issues in this case being confined to the right to the use of the flow in the Salt river, no decree herein as to the right of this land to an appropriation of this independent subterranean flow can be given.

In addition to the owners of the parcels of land situated in the Salt River valley under these canals, there have been made parties defendant to this suit owners of parcels of land lying in the Verde valley, along the Verde river and irrigated by water from it, some fifty miles above its conflux with the Salt river. The demurrers and pleas to the jurisdiction interposed by these defendants have been overruled. No testimony, however, as to the exact extent of cultivation of the land in the Verde valley owned by these defendants or the dates of the reclamation of the various parcels of such land and the application of water thereto has been given. It is not possible, therefore, in this decree to establish the rights of such land owners and such land to the use of the water in the Verde river in relation to the rights to such water of the land in the Salt River valley. From the general testimony in respect to the cultivation in the Verde valley, it seems that such cultivation, though in actual point of time and relative date of priority, in some instances later than that of land in the Salt River valley, is not of sufficient area and acreage at the present time to interfere seriously with the prior rights, if any, of the land in the Salt River valley. Such being the case, it does not seem desirable to delay the promulgation of the decree herein to await such testimony, nor at the present time under existing conditions does there seem to be a necessity for a determination of such relative priorities, if any, of rights between the two widely separated areas of land. The owners of the land in the Verde valley are party defendants to this suit, and it is conceived that if hereafter conditions shall arise by increased cultivation or otherwise, which shall make it necessary for a determination of the rights of the land in the Verde valley to the water in the Verde river as against the rights of the land to which water is by the decree herein shown to be entitled, the necessary steps for such determination can hereafter be taken, and such rights and their relation to those hereby decreed may be established by a supplemental decree hereafter to be entered in this suit.

Evidence has been given of the existence of a number of pumping plants by means of which the supply of water from the river to which the land is entitled in times of scarcity is supplemented by an underground supply thus made available. In other instances water so pumped is the only means of supply. As there is no evidence that the water so pumped materially lessens the flow in the river, such rights as the land and the owners of such plants may have in the water so pumped will not be interfered with by this decree, but as the establishment of such rights, if any, is not within the issues herein, no finding will be made with respect thereto.

At the date of this decision the Highland canal has been definitely discontinued as a carrying canal, its place as such carrier having been taken by the Eastern canal, serving the land heretofore served by the Highland.

The unit of measurement of a miners' inch, as the expression is used herein, is defined to be one-fortieth part of one cubic foot of water flowing per second of time.

The standard of a given number of miners' inches constant flow as the duty of water is taken because of the familiarity therewith of the water users in the valley, and because I know of no other well-known adaptable standard of measurement. In practical and economical use of water for irrigation and cultivation, however, no parcel of land is given a constant flow, but the water for a number of parcels is given to each in rotation, thus giving a larger, a more serviceable and a more economical head of water.

The various tables and maps attached hereto have been prepared under my direction by the Water Commissioner, Frank P. Trott, Esq., who in many ways has been of material assistance to me in the preparation of this decision.

The decision and decree in this case, from the nature thereof, is of necessity a continuing one. The Court retains jurisdiction of the case and of the issues embraced therein. From time to time, as conditions may require an enlargement or modification of the decision and decree, application for such modification or enlargement may be made to the Court, and if granted, the same shall be entered at the foot of the decree herein.

In order to afford an opportunity to make such changes and such preparation as may be necessary to carry out and conform to the provisions of this decision and decree, the same shall not be effective as of this date, but the same shall be effective on and after April 1st, 1910.

Dated, Phoenix, March 1, 1910.

EDWARD KENT,
Judge.

TABLE No. 1.

A table showing the monthly average precipitation in Phoenix for fourteen years (from 1896 to 1909, inclusive) and the monthly daily average amount of water in miners' inches that was received from Salt River by the canals of Salt River Valley for the same periods of time.

MONTHS	Precipitation	Tempe, San Francisco and Broadway	Mesa and Consolidated	Utah	Mesa, Consolidated and Utah	Highland	Arizona and appropriators	Joint Head	Total, less 500 for Indians	Total on the South Side	Total on the North Side
January	0.98	6,531	3,576	1,860	5,436	109	8,458	3,017	23,551	12,076	11,475
February	0.83	7,372	5,025	2,950	7,975	189	11,185	4,243	30,964	15,536	15,428
March	0.54	8,779	5,380	3,508	8,888	265	12,917	4,407	35,256	17,932	17,324
April	0.44	7,866	5,546	3,095	8,641	192	15,107	4,769	36,575	16,699	19,876
May	0.04	6,634	4,445	2,275	6,720	88	9,911	3,603	26,956	13,442	13,514
June	0.09	4,963	2,164	1,539	3,703	.....	6,308	2,523	17,497	8,666	8,831
July	1.25	4,708	2,577	1,700	4,277	62	7,741	2,662	19,450	9,047	10,403
August	1.10	7,539	4,477	2,756	7,233	86	14,934	4,311	34,103	14,858	19,245
September	0.96	6,640	3,995	2,234	6,229	52	11,559	3,579	28,059	12,921	15,138
October	0.35	5,699	2,645	2,046	4,691	48	8,056	2,678	21,172	10,438	10,734
November	0.83	6,186	2,933	2,362	5,295	59	10,925	2,780	25,245	11,540	13,705
December	0.74	6,216	2,832	1,951	4,783	16	8,116	2,607	21,738	11,015	10,723
Average	0.68	6,594	3,800	2,356	6,156	97	10,435	3,432	26,714	12,847	13,867

TABLE No. 1 A.

A table showing the annual precipitation in Phoenix for fourteen years (from 1896 to 1909, inclusive) and the annual daily average amount of water in miners' inches that was received from Salt River by the canals of Salt River Valley for the same periods of time.

YEAR.	Precipitation	Tempe, San Francisco and Broadway	Mesa and Consolidated	Utah	Mesa, Consolidated and Utah	Highland	Arizona and appropriators	Joint Head	Total, less 500 for Indians	Total on the South Side	Total on the North Side
1896	10.48	7,318	4,715	3,106	7,821	201	14,927	3,557	33,824	15,340	18,484
1897	9.87	7,100	5,625	2,680	8,305	428	12,272	4,881	32,986	15,833	17,153
1898	5.95	7,065	4,386	2,322	6,708	178	11,486	3,491	28,928	13,951	14,977
1899	5.19	6,050	2,481	1,968	4,449	43	8,958	2,800	22,300	10,542	11,758
1900	5.39	4,237	1,462	1,240	2,702	14	5,848	1,855	14,656	6,953	7,703
1901	4.87	6,580	3,871	2,695	6,566	175	12,411	2,559	28,291	13,321	14,970
1902	6.87	4,471	1,787	1,507	3,294	31	7,413	1,442	16,651	7,796	8,855
1903	6.61	5,441	2,419	2,110	4,529	33	10,094	1,723	21,820	10,003	11,817
1904	5.57	4,476	1,830	1,319	3,149	3	7,647	1,482	16,757	7,628	9,129
1905	19.73	6,498	4,035	2,040	6,075	33	7,109	3,035	22,750	12,606	10,144
1906	8.55	9,092	5,000	2,726	7,726	177	6,783	5,971	29,749	16,995	12,754
1907	8.17	7,881	5,125	2,883	8,008	.....	10,291	5,895	32,075	15,889	16,186
1908	10.68	7,827	5,159	2,815	7,974	.....	13,691	5,626	35,118	15,801	19,317
1909	6.17	8,286	5,297	3,579	8,876	45	17,154	3,727	38,088	17,207	20,881
Average	8.15	6,594	3,800	2,356	6,156	97	10,435	3,432	26,714	12,847	13,867

TABLE No. 2.

A descriptive list of Class A land on north side of Salt River.

DESCRIPTION.	Sec.	Township.	Acres.	Remarks.
Indian Land—				
SE ¼	20	2 N R 5 E	160	
S ½ of N ½	21		160	
S ½ of	21		320	
SW ¼	22		160	
W ½ of	27		320	
N ½ of	28		320	
N ½ of NE ¼	29		80	
E 13 a. of SE ¼ of SE ¼	29		13	
NE ¼	31		160	
S ½ of	31		320	
N ½ of	32		320	
Total acreage of the Indian land			2333	
Year 1869—				
N ½ of NW ¼	3	1 N R 3 E	80	
E ½ of	4		320	
SW ¼ of	4		160	
S ½ of	8		320	
E ½	9		320	
NW ¼	9		160	
S 120 a. of SW ¼	9		120	
E ½ of	10		320	
N ½ of NW ¼	10		160	
SW ¼	10		80	
All of	11		640	
60 a. in SW cor. of NW ¼	12		60	
S ½ of NW ¼	14		80	
NE ¼	17		160	
70 a. N of River in SE ¼	17		70	
NE ¼	33	2 N R 3 E	160	
Total			3210	
Year 1870—				
SE ¼	1	1 N R 2 E	160	
E ½ of NE ¼	13		80	
SW ¼	14		160	
SW ¼	5	1 N R 3 E	160	
SE ¼	7		160	
E ½ of SW ¼ and SW ¼ of SW ¼	7		120	
15 a. in NW cor. of NE ¼	16		15	
NW ¼	17		160	
NE ¼	18		160	
N ½ of SE ¼	18		80	
N ½ of NW ¼ and SE ¼ of NW ¼	18		120	
N ½ of SW ¼	18		80	
Total			1455	
Year 1871—				
S 50 a. of SW ¼	11	1 N R 2 E	50	
E ½	12		320	
NW ¼	12		160	
SE ¼ except 40 a. in River	13		120	
NE ¼ of NW ¼ and NE ¼ of NW ¼ of NW ¼	13		50	
SW ¼	13		160	
N 100 a. of NE ¼	14		100	

TABLE No. 2—(Continued.)

DESCRIPTION.	Sec.	Township.	Acres.	Remarks.
Year 1871—(Continued)—				
SE ¼	14	1 N R 2 E	160	
NW ¼	14		160	
SE ¼ except 30 a. in NE corner	2	1 N R 3 E	130	
130 a. S of S. R. V. Canal in SW ¼	2		130	
NW ¼	4		160	
E ½	5		320	
NW ¼	5		160	
E ½	6		320	
80 a. N of Grand Ave. in NW ¼	6		80	
5 a. S of Grand Ave. in NW ¼ of NW ¼	6		5	
20 a. S of Grand Ave. in SE ¼ of NW ¼	6		20	
20 a. in E part of N. Capitol Addition	6		20	
N ½	7		320	
NW ¼	16		160	
30 a. N of River in SW ¼	16		30	
SW ¼	34	2 N R 3 E	160	
Total			3295	
Year 1872—				
S 70 a. of NE ¼	11	1 N R 2 E	70	
SW ¼	12		160	
SE ¼	16		160	
SE ¼	17		160	
NE ¼	20		160	
E ½ of NE ¼	3	1 N R 3 E	80	
SE ¼	31	2 N R 3 E	160	
E ½	32		320	
NW ¼	32		160	
E ½ of SW ¼ and NW ¼ of SW ¼	32		120	
S ½	33		320	
Total			1870	
Year 1873—				
E 60 a. N of River in NE ¼	25	1 N R 1 E	60	
E ½ of NW ¼	20	1 N R 2 E	80	
N ½	8	1 N R 3 E	320	
Total			460	
Year 1874—				
SE ¼	11	1 N R 2 E	160	
S 100 a. of NE ¼	16		100	
SW ¼ except 15 a. rough	17	1 N R 3 E	145	
Total			405	
Year 1875—				
60 a. S of Maricopa Canal in SE ¼	34	2 N R 3 E	60	
Total			60	
Year 1876—				
W ½ of SE ¼	2	1 N R 2 E	80	
SW ¼	2		160	
SW ¼	9		160	
NE ¼	10		160	
N 120 a. of NW ¼	10		120	
NW ¼	11		160	
SW ¼ except 10 a. rough	15		150	

TABLE No. 2—(Continued)

DESCRIPTION.	Sec.	Township.	Acres.	Remarks.
Year 1876—(Continued)—				
NW ¼ except 10 a. in SW cor.	17	1 N R 2 E	150	
N ½ of SE ¼	20		80	
NW ¼	22		160	
NE ¼	14	1 N R 3 E	160	
N ½ of SE ¼	14		80	
N ½ of SW ¼	14		80	
Total			1700	
Year 1877—				
NE ¼	1	1 N R 2 E	160	
N ½	2		320	
NE ¼	9		160	
W ½	16		320	
NE ¼	18		160	
SE ¼	29	2 N R 3 E	160	
N ½	31		320	
SW ¼	31		160	
Total			1760	
Year 1878—				
SW ¼	1	1 N R 2 E	160	
All of	3		640	
NE ¼	4		160	
All of	6		640	
N 110 a. of SW ¼	11		110	
NW ¼	18		160	
NW ¼ of NE ¼	22		40	
Lots 1, 2, 7 and 8, Montezuma Place, in SE ¼ of SW ¼	3	1 N R 3 E	30	
NW ¼ of SW ¼	3		40	
NW ¼ except 60 a. in SW cor.	12		100	
NE ¼ of NW ¼	14		40	
N ½ of NE ¼	15		80	
NE ¼ except 15 a. in NW cor.	16		145	
E ½	25	2 N R 2 E	320	
SW ¼	25		160	
S ½	26		320	
S ½	35		320	
SW ¼ of SW ¼	29	2 N R 3 E	40	
S ½ of SE ¼	30		80	
SW ¼	30		160	
NW ¼	33		160	
Total			3905	
Year 1879—				
NW ¼	1	1 N R 2 E	160	
NW ¼	4		160	
NE ¼	7		160	
N ½	8		320	
NW ¼	9		160	
30 a. N of Maricopa Canal in NE cor of SE ¼	2	1 N R 3 E	30	
NW ¼	2		160	
30 a. N of S. R. V. Canal in SW ¼	2		30	
50 a. N of River in SW ¼	13		50	
S ½	27	2 N R 2 E	320	
SE ¼	34		160	
SE ¼	36		160	
SE ¼ except 10 a. in NW cor.	19	2 N R 3 E	150	

TABLE No. 2—(Continued)

DESCRIPTION.	Sec.	Township.	Acres.	Remarks.
Year 1897—(Continued)—				
S ½	20	2 N R 3 E	320	
25 a. in SW cor. of SE ¼	27		25	
E ½	28		320	
NW ¼ except 50 a. in SW cor.	28		110	
SW ¼	28		160	
N ½	29		320	
NE ¼	30		160	
Total			3435	
Year 1880—				
All of	1	1 N R 1 E	640	
All of	12		640	
NE ¼	13		160	
E ½ of SE ¼	2	1 N R 2 E	80	
S ½	4		320	
W ½	7		320	
SW ¼	8		160	
SW ¼	17		160	
W ½ of NW ¼	20		80	
60 a. N of River in N ½ of NE ¼	21		60	
120 a. N of River in NW ¼	21		120	
SW ¼	1	1 N R 3 E	160	
45 a. in SW cor. of NW ¼	1		45	
NW ¼ of NW ¼	14		40	
SW ¼	22	2 N R 1 E	160	
S ½ of NE ¼	26		80	
SE ¼	26		160	
W ½	26		320	
All of	35		640	
All of	36		640	
20 a. S of Grand Canal in NW ¼	26	2 N R 2 E	20	
S ½ of	28		320	
SE ¼	29		160	
55 a. S of Grand Canal in NW ¼	29		55	
SW ¼	29		160	
E ½ of	32		320	
NW ¼	32		160	
E ½	33		320	
NE ¼	34		160	
N ½	35		320	
W ½	36		320	
140 a. S of Grand Canal in SW ¼	19	2 N R 3 E	140	
SW ¼ except 10 a. in NE cor.	21		150	
SW ¼ except 30 a. in NE cor.	27		130	
NW ¼	30		160	
NE ¼ except 15 a. in NE cor.	34		145	
Total			8025	
Year 1881—				
E ½	11	1 N R 1 E	320	
NW ¼	11		160	
SW ¼ except S ½ of SW ¼ of SW ¼	11		140	
NE ¼	5	1 N R 2 E	160	
SW ¼	5		160	
NE ¼	12	1 N R 3 E	160	
N 120 a. of SE ¼	12		120	
S ½ of NE ¼	25	2 N R 1 E	80	
SE ¼	25		160	
NW ¼ except 50 a. in NE cor.	25		110	

TABLE No. 2—(Continued)

DESCRIPTION.	Sec.	Township.	Acres.	Remarks.
Year 1881—(Continued)—				
SW ¼	25	2 N R 1 E	160	
All of	28		640	
All of	33		640	
E ½ of	34		320	
NW ¼	34		160	
SW ¼	34		160	
All of	31	2 N R 2 E	640	
NW ¼	33		160	
W ½ of	34		320	
NE ¼	36		160	
SW ¼ of NW ¼ except 5 a. in NE cor	27	2 N R 3 E	35	
Total			4965	
Year 1882—				
E ½ of NE ¼	2	1 N R 1 E	80	
W ½ of NE ¼	2		80	82-04
SE ¼	2		160	
W ½ of	2		320	82-04
All of	3		640	
N ½ of	10		320	
SE ¼	5	1 N R 2 E	160	
NW ¼	5		160	
NW ¼ of SW ¼	7	1 N R 3 E	40	
90 a. S of Grand Canal in SE ¼	14	2 N R 1 E	90	
100 a. S of Grand Canal in NW ¼	14		100	
SW ¼	14		160	
All of	15		640	
E ½ of	20		320	
SW ¼	20		160	
E ½ of	21		320	
W ½ of	21		320	82-04
E ½ of	22		320	
NW ¼	22		160	
NE ¼	23		160	
SW ¼	23		160	
SE ¼ except 40 a. in NE cor	24		120	
SW ¼	24		160	
N ½ of NE ¼	25		80	
50 a. in NE cor of NW ¼	25		50	
All of	27		640	
E ½ of	29		320	
SW ¼	29		160	
E ½ of	32		320	
S ½ of NE ¼	30	2 N R 2 E	80	
SE ¼	30		160	
NW ¼ except 15 a. in NE cor.	30		145	
SW ¼	30		160	
SW ¼	32		160	
SW ¼	33		160	
NW ¼	34	2 N R 3 E	160	
Total			7745	
Year 1883—				
N ½ of NE ¼	9	1 N R 1 E	80	
S ½ of NE ¼	9		80	83-05
SE ¼	9		160	
NE ¼	19	1 N R 2 E	160	
SW ¼	12	1 N R 3 E	160	

TABLE No. 2—(Continued)

DESCRIPTION.	Sec.	Township.	Acres	Remarks.
Year 1883—(Continued)—				
NE ¼ of NW ¼	15	1 N R 3 E	40	
NW ¼ of NW ¼	15		40	
SW ¼ of NW ¼	15		40	
NW ¼ of SW ¼	15		40	
5 a. in NW cor. of SW ¼ of SW ¼	15		5	
SE ¼	23	2 N R 1 E	160	
NW ¼	23		160	
N ½ of NE ¼	26		80	
50 a. in SW cor. of NW ¼	28	2 N R 3 E	50	
Total			1255	
Year 1884—				
N ½	5	1 N R 1 E	320	
E ½	6		320	
W ½	6		320	84-04
NE ¼	14		160	
SE ¼	18	1 N R 2 E	160	
SE ¼ except 15 a. in NW cor. of SW ¼	3	1 N R 3 E	145	
25 a. in NE cor. of SW ¼	3		25	
40 a. S of Grand Canal in NW ¼	20	2 N R 3 E	40	
Total			1490	
Year 1885—				
N 90 a. of NE ¼	11	1 N R 2 E	90	
N 60 a. of NE ¼	16		60	
S ½ of SE ¼	18	2 N R 1 E	80	
SW ¼	31		160	
N ½ of N ½ of SE ¼	30	2 N R 3 E	40	
SW ¼ except 20 a. in NE cor.	35		140	
Total			570	
Year 1886—				
S ½	7	1 N R 1 E	320	
N ½ of SE ¼	19	1 N R 2 E	80	
E ½ of SE ¼	9	2 N R 1 E	80	
SW ¼ of SE ¼	9		40	
S ½	16		320	
95 a. on E side of NE ¼	19		95	
SE ¼ except 20 a. on W side	19		140	
SE ¼	31		160	
All of	21	2 N R 2 E	640	
40 a. S of Grand Canal in NE ¼	26		40	
SW ¼ of SE ¼	16	2 N R 3 E	40	
NE ¼	17		160	
N 60 a. of SE ¼	17		60	
E ½ of SW ¼	17		80	
NE ¼ except 20 a. in SW cor.	20		140	
W 20 a. N of Grand Canal in SW ¼ of NW ¼	20		20	
45 a. S of Grand Canal in W ½ of SE ¼	21		45	
NW ¼ of SW ¼	29		40	
Total			2500	
Year 1887—				
20 a. in SE ¼ of NW ¼ and W ½ of NW ¼	13	1 N R 3 E	100	
S ½ of NE ¼	15		80	
N ½ of SE ¼	15		80	
NW ¼	15	2 N R 2 E	160	
SW ¼	19		160	

TABLE No. 2—(Continued)

DESCRIPTION.	Sec.	Township.	Acres.	Remarks.
Year 1887—(Continued)—				
S ½ of NW ¼	23	2 N R 2 E	80	
N ½ of SW ¼	23		80	
S 30 a. of SE ¼ of NW ¼	17	2 N R 3 E	30	
S ½ of NW ¼	25		80	
S ½ of N ½ of SE ¼	30		40	
10 a. for Trees	29	2 N R 4 E	10	
NE ¼ of NE ¼	25	3 N R 1 E	40	
S ½ of NE ¼	25		80	
E ½ of SE ¼	25		80	
W ½ of SE ¼	25		80	87-05
E ½ of SW ¼	25		80	
50 a. N of Grand Ave. in E ½ of SE ¼	36		50	
N ½ of NW ¼ of NE ¼	30	3 N R 2 E	20	
S 10 a. of SE ¼ of NE ¼	30		10	
E ½ of NE ¼ of SE ¼ and S ½ of SE ¼ except 5 a. in NW cor.	30		95	
E ½	34		320	
NE ¼ of NE ¼	36		40	
E ½ of SE ¼	36		80	
NE ¼ of NE ¼	31	3 N R 3 E	40	
NW ¼	31		160	87-03
Total			2075	
Year 1888—				
N ½ of SE ¼ except 10 a. in SE cor.	10	1 N R 2 E	70	
S ½ of SE ¼	10		80	
SW ¼	10		160	
E ½	15		320	
NW ¼	15		160	
SE ¼ of SE ¼ of SW ¼	6	1 N R 3 E	10	
SE ¼ of NW ¼ of SE ¼	7	1 N R 4 E	10	
40 a. N of River in E ½ of SW ¼	7		40	
50 a. N of River in W ½ of SW ¼	7		50	88-03
W ½ of NE ¼	4	2 N R 2 E	80	
W 30 a. of S W¼ of SE ¼	4		30	
W ½	4		320	
N ½	5		320	
W ½ of SW ¼	5		80	
E ½	6		320	
80 a. N of Grand Ave. in NW ¼	6		80	
20 a. S of Grand Ave. in SE ¼ of NW ¼	6		20	
SW ¼	6		160	
NW ¼ of NW ¼	8		40	
E ½	9		320	
NW ¼ of NW ¼ of NW ¼	9		10	
N ½ of SW ¼	9		80	
NW ¼ of NE ¼	10		40	
E 60 a. of S ½ of NW ¼	10		60	
NW ¼ of NE ¼	11		40	
W ½ of NW ¼ of NW ¼	13		20	
N ½ of NW ¼ of NE ¼	14		20	
SW ¼	14		160	
NW ¼ of NW ¼ and NW ¼ of NE ¼ of NW ¼	23		50	
W ½ of NW ¼	6	2 N R 3 E	80	
W ½ of SW ¼	6		80	
SE ¼ of SE ¼	35		40	
5 a. in NE cor. of SW ¼ of SE ¼	35		5	
S ½ of NE ¼	36		80	
S ½ of NW ¼	36		80	

TABLE No. 2—(Continued)

DESCRIPTION.	Sec.	Township.	Acres.	Remarks.
Year 1888—(Continued)—				
S ½	23	2 N R 4 E	320	
E ½ of SE ¼ and NW ¼ of SE ¼	27		120	
NE ¼ of NE ¼ of SW ¼ of SE ¼	27		5	
W ½	34	3 N R 2 E	320	
Total			4280	
Year 1889—				
N ½ of SE ¼	10	1 N R 1 E	80	
N ½ of SW ¼	10		80	
50 a. N of River in NE ¼	23	1 N R 2 E	50	
NE ¼ of NW ¼ and NW ¼ of NW ¼	23		60	
10 a. in NE cor. of SE ¼ of SE ¼ and 30 a. N of River in S ½ of SE ¼	14	1 N R 3 E	40	
N ½ of NE ¼ and W ½ of SW ¼ of NE ¼	1	2 N R 1 E	100	
SE ¼	1		160	
NE ¼ of SE ¼	2		40	
NE ¼ of NE ¼	11		40	
S ½ of NE ¼	11		80	
NE ¼ of NE ¼	13		40	
SW ¼ of NE ¼	13		40	
NE ¼ of NE ¼	14		40	
W ½ of NE ¼	2	2 N R 2 E	80	
SE ¼ of SE ¼	2		40	
W ½ of SE ¼	2		80	
W ½ of NW ¼	2		80	
W ½ of SW ¼	2		80	
E ½	3		320	
SW ¼	3		160	
W ½ of NE ¼	7		80	
NW ¼	7		160	
NE ¼ of NE ¼ of SW ¼	7		10	
SE ¼ of SW ¼	7		40	
SW ¼ of NW ¼ of SW ¼	7		10	
S ½ of NE ¼ of SE ¼	8		20	
10 a. N of Grand Ave. in NW cor of SE ¼	8		10	
W ½ of NW ¼	11		80	
All of	16		640	
E 100 a. of NE ¼	17		100	
SE ¼	17		160	
SW ¼ of NW ¼	17		40	
N ½	20		320	
W ½ of SW ¼	20		80	
N ½ of NE ¼	22		80	
NW ¼ of SW ¼	22		40	
5 a. for Trees in Alhambra	26		5	
NE ¼ except 20 a. on N side	27		140	
35 a. S of Grand Canal in NW ¼	27		35	
W ½ of NW ¼	19	2 N R 3 E	80	
N ½ of NW ¼ of SE ¼	36		20	
SW ¼ of SE ¼	36		40	
N ½ of SW ¼	36		80	
50 a. S of Ariz. Canal in NE ¼	28	2 N R 4 E	50	
W 55 a. in N ½ of SE ¼	28		55	
30 a. S of Ariz. Canal in SE ¼ of NW ¼	28		30	
15 a. in NE cor. of SW ¼	28		15	
NE ¼ of SE ¼	30		40	
SE ¼ of SE ¼	30		40	
NE ¼ except 10 a. rough	22	3 N R 1 E	150	
NE ¼ of SE ¼	22		40	
80 a. S of Grand Ave. in SE ¼	22		80	

TABLE No. 2—(Continued)

DESCRIPTION.	Sec.	Township.	Acres.	Remarks.
Year 1889—(Continued)—				
5 a. for trees in NW ¼ of NW ¼	26	3 N R 1 E	5	Peoria
5 a. for trees in NE ¼ of NE ¼	27		5	Peoria
SE ¼ of NE ¼	27		40	
SW ¼ of SW ¼	7	3 N R 2 E	40	
S 60 a. of E ½ of SE ¼	31		60	
NW ¼ of SE ¼	31		40	
N ½ of SW ¼	31		80	
NW ¼ of SW ¼ of SW ¼	31		10	
NE ¼	32		160	
SE ¼	33		160	
S 40 a. of SW ¼	33		40	
E ½ of NW ¼	35		80	
W ½ of SW ¼	36		80	
Total			5260	
Year 1890—				
S40 a. of NW ¼	10	1 N R 2 E	40	
S ½ of SW ¼ of SE ¼	12	1 N R 3 E	20	
E ½ of NE ¼	2	1 N R 4 E	80	
10 a. in NW cor. of NE ¼ of NE ¼	6		10	
NW ¼ of NE ¼	6		40	
W ½ of SW ¼	6		80	
S ½ of SE ¼	2	2 N R 1 E	80	
E ½ of NE ¼	7	2 N R 2 E	80	
N ½ of SE ¼	10		80	
E ½ of NW ¼ of NW ¼	13		20	
S ½ of SE ¼	14		80	
E ½ of SE ¼	15		80	
NW ¼	28		160	
N 60 a. of W ½ of SW ¼	4	2 N R 3 E	60	
S ½ of SE ¼	15		80	
SW ¼ of SW ¼	15		40	
NE ¼ of NE ¼ and S ½ of NE ¼	22		120	90-04
NW ¼ of NE ¼	22		40	
NE ¼ of SE ¼	22		40	
NW ¼ of SE ¼ and S ½ of SE ¼	22		120	90-05
NW ¼ of NW ¼	22		40	
E ½ of SE ¼	27		80	
15 a. in NE cor. of SW ¼ of SE ¼	27		15	
NE ¼ of SW ¼	29		40	
SE ¼ of SW ¼	29		40	
5 a. in SW cor. of NE ¼ of SE ¼	19	2 N R 4 E	5	
S ½ of SE ¼ except 5 a. in NE cor.	19		75	
SW ¼	22	3 N R 1 E	160	
5 a. in SE cor. of NE ¼	26		5	
50 a. S of Ariz. Canal in E ½ of SE ¼	25	3 N R 2 E	50	
S 60 a. of E ½ of SE ¼ and S ½ of SW ¼ of SE ¼	32		80	90-04
N ½ of NE ¼ of SE ¼ and N 60 a. of W ½ of SE ¼	32		80	90-03
NE ¼	35		160	
W ½ of NW ¼	36		80	
N ½ of NE ¼	13	1 N R 1 W	80	
Total			2340	
Year 1891—				
SE ¼ of NW ¼	15	1 N R 3 E	40	
N ½ of SE ¼	14	2 N R 2 E	80	

TABLE No. 2—(Continued)

DESCRIPTION.	Sec.	Township.	Acres.	Remarks.
Year 1891—(Continued)—				
SE ¼	19	2 N R 2 E	160	
N ½ of SE ¼ of NE ¼	35	2 N R 3 E	20	
NE ¼ of NE ¼	36		40	
SE ¼ of SE ¼	36		40	
S ½ of SE ¼ of SW ¼ and SW ¼ of SW ¼	36		60	
SW ¼	26	3 N R 1 E	160	
SE ¼ of SE ¼	27		40	
E ½ of SE ¼	35	3 N R 2 E	80	
SE ¼ of NE ¼ and W ½ of NE ¼	31	3 N R 3 E	120	
NE ¼ of NW ¼ of SW ¼ and W ½ of W ½ of SW ¼	32		50	
Total			890	
Year 1892—				
N ½ of SE ¼	13	1 N R 1 E	80	
W ½ of SW ¼ of SE ¼	13		20	
E ½ of NW ¼ and NW ¼ of NW ¼	13		120	
NE ¼	1	1 N R 3 E	160	
NE ¼ except 10 a. in SE cor.	2		150	
E ½ of NE ¼ of SE ¼	11	2 N R 1 E	20	
S ½ of SE ¼	11		80	
E ½	12		320	
N 60 a. of W ½ of NW ¼	12		60	
NE ¼ of SW ¼	12		40	
NW ¼	32		160	
SW ¼	32		160	
NW ¼ of SW ¼ and W ½ of SW ¼ of SW ¼	12	2 N R 2 E	60	
NW ¼ of NE ¼ of NW ¼ and NW ¼ of NW ¼	14		60	
E ½ of SW ¼ and SW ¼ of SW ¼	17		120	
NE ¼ of NE ¼	18		40	92-04
SE ¼ of NE ¼	18		40	92-04
W ½ of NE ¼	18		80	
E 60 a. of N ½ of SE ¼	18		60	
SE ¼ of SE ¼	18		40	
S ½ of SW ¼ of NW ¼ of SE ¼	18		5	
NE ¼	19		160	
N ½ of NE ¼	30		80	
15 a. in NE cor. of NW ¼	30		15	
W ½ of NW ¼	23	2 N R 3 E	80	
100 a. N of Maricopa Canal in SE ¼	34		100	
S ½ of NE ¼	24	2 N R 4 E	80	
N ½ of N ½ of SE ¼	24		40	
S ½ of NW ¼	14	3 N R 1 E	80	
N ½ of SW ¼	14		80	
50 a. in E part of N ½ of NW ¼ and SE ¼ of NW ¼	22		90	
S 30 a. of NW ¼ of NE ¼ and N 10 a. of SW ¼ of NE ¼	27		40	
N 25 a. of SE ¼ of NE ¼	36		25	
SW ¼ of NE ¼	36		40	
80 a. strip running SW through center of SW ¼	30	3 N R 2 E	80	
W ½	32		320	
Total			3185	
Year 1893—				
SW ¼ of NE ¼	6	1 N R 4 E	40	

TABLE No. 2—(Continued)

DESCRIPTION.	Sec.	Township.	Acres.	Remarks.
Year 1893—(Continued)—				
100 a. S of Grand Canal in NW ¼	7	1 N R 4 E	100	
SE ¼ of SE ¼	16	2 N R 3 E	40	
NW ¼ of SE ¼	16		40	
W 30 a. of NW ¼ of NW ¼	27		30	
E ½ of NW ¼	35		80	
NW ¼ of NE ¼	36		40	
NE ¼ of SE ¼ and S ½ of NW ¼ of SE ¼	36		60	
S ½ of N ½ of NW ¼	36		40	
NW ¼ of SE ¼	30	2 N R 4 E	40	
W ½ of NW ¼ of NE ¼	36		20	
W ½ of NW ¼ of SE ¼	36		20	
NW ¼	36		160	
N ½ of SW ¼	36		80	
SW ¼ of SW ¼	36		40	
N ½ of SW ¼	36	3 N R 1 E	80	
N 60 a. of E ½ of NE ¼ and W ½ of NE ¼	31	3 N R 2 E	140	
S ½ of NW ¼	31		80	
Total			1130	
Year 1894—				
50 a. N of Grand Canal in W part of NW ¼	1	1 N R 3 E	50	
W ½ of NE ¼	3		80	
S ½ of NW ¼	3		80	
Blk. 5, Montezuma Place, in SW ¼	3		10	
W ½ of NW ¼	6	1 N R 4 E	80	94-04
N ½ of NE ¼ of SW ¼	15	2 N R 3 E	20	
N ½ of SE ¼ of NE ¼ of SW ¼	15		5	
NW ¼ of SW ¼	15		40	
NE ¼ of NE ¼ of NE ¼	23		10	
NW ¼ of SE ¼ of NW ¼	23		10	
NW ¼ except 10 a. in SE cor.	24	2 N R 3 E	150	
N 60 a. of E ½ of SW ¼	34	3 N R 1 E	60	
N ½ of NW ¼ and E 30 a. of S ½ of NW ¼	35		110	
N ½ of SW ¼	20	3 N R 2 E	80	
W ½ of NW ¼	35		80	
30 a. in SW cor of SW ¼	33	3 N R 3 E	30	
Total			895	
Year 1895—				
S 60 a. of NE ¼	14	1 N R 2 E	60	
NW ¼ of SE ¼	2	2 N R 1 E	40	
N 25 a. of SE ¼ of NW ¼	16		25	
NE ¼	24		160	
S ½ of SE ¼ of NW ¼	5	2 N R 3 E	20	
E ½ of SW ¼	5		80	
S 60 a. of W ½ of SW ¼	5		60	
10 a. for trees along Cantral Avenue	5		10	
All of	18		640	
NW ¼ of NE ¼ of NE ¼, S ½ of NE ¼ of NE ¼ and SE ¼ of NE ¼	23		70	95-05
NE ¼ of SE ¼ and S ½ of SE ¼	23		120	
SW ¼	23		160	
NW ¼ of NE ¼ of SW ¼	24		10	
NW ¼ of NW ¼ of SW ¼ and S ½ of NW ¼ of SW ¼	24		30	
5 a. in NW cor. of SW ¼ of SW ¼	24		5	
SE ¼ of NW ¼	27		40	
35 a. S of Ariz. Canal in S ½ of SE ¼	22	2 N R 4 E	35	

TABLE No. 2—(Continued)

DESCRIPTION.	Sec.	Township.	Acres.	Remarks.
Year 1895—(Continued)—				
E ½ of NE ¼	35	3 N R 1 E	80	
S ½ of SE ¼ of SW ¼	35		20	
W 15 a. of N ½ of SW ¼ of NW ¼	36		15	
SW ¼ of SW ¼ of SW ¼	30	3 N R 3 E	10	
Total			1690	
Year 1896—				
NE ¼	4	2 N R 1 E	160	
SE ¼ of NW ¼	13		40	
S ½ of NE ¼	7	2 N R 3 E	80	
SW ¼ of NE ¼ of SW ¼	15		10	
S ½ of NW ¼	26	2 N R 4 E	80	
10 a. for trees in NW ¼ of NW ¼	26		10	Scottsdale
NE ¼ of NW ¼ of SW ¼	32		10	Cemetery
NE ¼ of SW ¼	31	3 N R 3 E	40	96-04
SW ¼ of SW ¼	31		40	96-04
Total			470	
Year 1897—				
SE ¼	7	1 N R 2 E	160	80-87, 97-09
SE ¼	9		160	73-74-76-80, 97-09
N 15 a. of W ½ of NW ¼ of NE ¼	8	2 N R 3 E	15	
S ½ of S ½ of NW ¼ of NE ¼	8		10	
NE ¼ except 30 a. in NE ¼	16		130	
NW ¼ of NE ¼ of NW ¼ and NW ¼ of NW ¼	16		50	
S ½ of NW ¼	16		80	
W ½ of SE ¼ of SW ¼	16		20	
W ½ of SW ¼	16		80	
25 a. in SW cor. of SE ¼	35		25	
SE ¼ of SW ¼	19	2 N R 4 E	40	
NE ¼ of NW ¼ of NE ¼	26		10	
N ½ of SW ¼ of SE ¼	30		20	
NE ¼ of NE ¼ of NE ¼	36	3 N R 1 E	10	
Total			810	
Year 1898—				
SW ¼ of NW ¼	18	2 N R 2 E	40	
S ½ of SW ¼ of SW ¼	4	2 N R 3 E	20	
W ½ of SE ¼ of SW ¼	15		20	
30 a. in central part of SW ¼ of NE ¼	23		30	98-04
N ½ of SE ¼ of SW ¼	36		20	
W ½ of SE ¼	35	3 N R 2 E	80	
W ½ of SE ¼ of SW ¼ of SW ¼	30	3 N R 3 E	5	
Total			215	
Year 1899—				
E ½ of NE ¼	22	1 N R 2 E	80	
30 a. N of river in SW ¼ of SE ¼	22		30	
SW ¼ of SE ¼ of NW ¼	23	2 N R 3 E	10	
E ½ of NE ¼ of NE ¼	35		20	
NE ¼ of NW ¼	26	3 N R 1 E	40	
W ½ of SE ¼ of SW ¼	7	3 N R 2 E	20	
Total			200	

TABLE No. 2—(Continued)

DESCRIPTION.	Sec.	Township.	Acres.	Remarks.
Year 1900—				
NW ¼ of NE ¼	8	1 N R 1 E	40	
E ½ of SE ¼ of SW ¼	8	2 N R 3 E	20	
15 a. in W part of SW ¼ of SW ¼	10		15	
N ½ of NW ¼ of SE ¼	23		20	00-04
NE ¼ of NE ¼ of NE ¼	25		10	
E ½ of SW ¼ of SW ¼	19	2 N R 4 E	20	
10 a. in SW cor. of SW ¼	20		10	
SW ¼	30		160	
SE ¼ of SE ¼ except 5 a. in SE cor.	31		35	
SW ¼ of NW ¼	26	3 N R 1 E	40	
Total			370	
Year 1901—				
N ½ of SW ¼	18	1 N R 2 E	80	
50 a. N of river in E part of NE ¼	21		50	
N 60 a. of E ½ of NW ¼	8	2 N R 3 E	60	
SE ¼ of SE ¼ of NW ¼	8		10	
W ½ of SE ¼ of NW ¼	15		20	
E ½ of SE ¼	21		80	
10 a. in NE cor. of NE ¼ of SE ¼	28	2 N R 4 E	10	
SE ¼	28	3 N R 2 E	160	91-92, 01-09
NE ¼ of SW ¼	28		40	89-90, 01-09
W ½ of NW ¼ of NE ¼	36		20	
Total			530	
Year 1902—				
E ½ of SW ¼	13	1 N R 1 E	80	
NW ¼ of SW ¼	13		40	
70 a. in N ½ of SE ¼	16	1 N R 3 E	70	
30 a. S of Ariz. Canal in SE ¼	4	2 N R 3 E	30	
E ½ of NW ¼	19		80	
W ½ of NW ¼ of NW ¼	21		20	
NE ¼ of SE ¼	35		40	
E ½ of SE ¼ of NE ¼	36	3 N R 2 E	20	
Total			380	
Year 1903—				
5 a. in SE cor. of SE ¼ of NW ¼	10	1 N R 3 E	5	
15 a. N of river in S ½ of SW ¼	14		15	
E ½ of NE ¼	24	2 N R 2 E	80	
SE ¼	24		160	
E ½ of SE ¼ of SE ¼	6	2 N R 3 E	20	
Total			280	
Year 1904—				
NE ¼	16	2 N R 1 E	160	90-94-04-07
S ½ of SW ¼	15	2 N R 2 E	80	91-95-04-09
NW ¼	19		160	
W ½ of NE ¼ of SE ¼	16	2 N R 3 E	20	
N ½ of NE ¼ of NW ¼ and SE ¼ of NE ¼ of SW ¼	16		30	
SE ¼ of SE ¼ of SW ¼	16		10	
NW ¼ of NE ¼ of NE ¼ and NE ¼ of NW ¼ of NE ¼	26		20	86-87-04-09
S ½ of NW ¼ of NE ¼	27		20	

TABLE No. 2—(Continued)

DESCRIPTION.	Sec.	Township.	Acres.	Remarks.
Year 1904—(Continued)—				
15 a. in SE cor. of NE ¼ of SE ¼	28	2 N R 4 E	15	04-05
N ½ of NW ¼	14	3 N R 1 E	80	
Total			595	
Year 1905—				
S ½ of NW ¼ of NE ¼ and N ½ of SW ¼ of NE ¼	13	1 N R 3 E	40	
S ½ of NW ¼ of NE ¼	26	2 N R 3 E	20	
W ½ of NW ¼	26		80	
N ½ of NW ¼ of SW ¼	26		20	
S ½ of SW ¼	14	3 N R 1 E	80	
W ½ of SW ¼ of SW ¼	20	3 N R 2 E	20	
SE ¼ of SW ¼	36		40	
Total			300	
Year 1906—				
SE ¼	4	1 N R 1 E	160	
40 a. in W ½ of NW ¼ and 30 a. in NW ¼ of SW ¼	24		70	
S ½ of SW ¼ of NE ¼	13	1 N R 2 E	20	
SE ¼	1	1 N R 3 E	160	
65 a. in NE part of NW ¼	1		65	
SW ¼ of SW ¼ of SW ¼	1	2 N R 1 E	10	92-99
S ½ of NE ¼ of NE ¼ and NW ¼ of NE ¼	15	2 N R 2 E	60	92-93
SW ¼ of SE ¼	18		40	92-97
40 a. bet. Grand and Aprs. Canals in NE ¼	26		40	
SE ¼ of SW ¼	4	2 N R 3 E	40	
E ½ of SW ¼ of NW ¼	15		20	
NW ¼ of NW ¼ of SE ¼	21		10	
E ½ of SE ¼	31	3 N R 3 E	80	
Total			775	
Year 1907—				
All of	16	1 N R 1 E	640	84-85
N ½ of NE ¼ of NE ¼	17		20	84-87
E ½ of NE ¼ of SE ¼	17		20	
W ½ of NW ¼	17		80	
S ½ of SW ¼ of SW ¼	21		20	
NE ¼ of NE ¼	17	1 N R 2 E	40	72-74, 90-91
E ½ of NW ¼	6	1 N R 4 E	80	94-01
NW ¼ of NW ¼ of SW ¼	1	2 N R 1 E	10	
25 a. in SE cor. of SW ¼	8		25	
W ½ of NE ¼ of SE ¼	11		20	92-00
SW ¼ of NW ¼	16		40	
N ½ of SE ¼	18		80	
NW ¼	20		160	
NW ¼	29		160	
W ½ of NE ¼	31		80	
NW ¼	3	2 N R 2 E	160	89-00
NW ¼ of NE ¼ of SW ¼ and S ½ of NE ¼ of SW ¼	7		30	89-97
E 10 a. N of Grand Ave. in NW ¼ of SE ¼	8		10	89-97
NE ¼ of NW ¼ of NW ¼ and S ½ of NW ¼ of NW ¼	9		30	88-01
NE ¼ of NW ¼ and S ½ of NW ¼	9		120	88-99
S ½ of SW ¼	9		80	88-96
E ½ of NE ¼	13		80	93-93

TABLE No. 2—(Continued—

DESCRIPTION.	Sec.	Township.	Acres.	Remarks.
Year 1907—(Continued)—				
N ½ of SW ¼	15	2 N R 2 E	80	92-97
N 15 a. of W ½ of NW ¼ of SE ¼	18		15	
40 a. bet. Grand and Aprs. Canals in W ½ of NW ¼	25		40	
60 a. S of Grand Canal in S ½ of NW ¼	25		60	86-90
50 a. S of Grand Ave. and N of Grand Canal in W ½ of NW ¼	26		50	
NE ¼ of NW ¼	27		40	
W ½ of NE ¼	5	2 N R 3 E	80	
W ½ of SE ¼	5		80	
N 60 a. of E ½ of NW ¼	5		60	
E ½ of NE ¼ of SW ¼	8		20	92-93
5 a. in SW cor. of SE ¼ of NW ¼ and 5 a. in SE cor. of SW ¼ of NW ¼	14		10	
SW ¼ of SW ¼ of NW ¼	15		10	
SE ¼ of NE ¼ of NE ¼	16		10	
SW ¼ of NE ¼ of SW ¼	16		10	97-98
10 a. N of Grand Canal in SE ¼	19		10	
20 a. N of Grand Canal in SW ¼	19		20	
N ½ of NE ¼ of NW ¼	20		20	
E 10 a. N of Grand Canal in S W¼ of NW ¼	20		10	
N ½ of NE ¼ of NW ¼	27		20	
S ½ of NW ¼ of SE ¼ and N ½ of SW ¼ of SE ¼	24	2 N R 4 E	40	92-99
S ½ of NE ¼ of NE ¼	36	3 N R 1 E	20	
25 a. N of Grand Ave. in NW part of SE ¼	36		25	
W ½ of SE ¼	36	3 N R 2 E	80	87-93
E ½ of NW ¼	36		80	
W ½ of SE ¼	31	3 N R 3 E	80	
SE ¼ of SW ¼	31		40	
E ½ of SW ¼ and 30 a. in E ½ of W ½ of SW ¼	32		110	
SE ¼ of SE ¼	32		40	
E ½ of E ½	1	1 N R 1 W	160	
NW ¼ of NW ¼	1		40	
S ½ of NE ¼	13		80	
SE ¼	13		160	
N ½ of NE ¼	24		80	
Total			3665	
Year 1908—				
NE ¼ of NE ¼ and S ½ of NE ¼	8	1 N R 1 E	120	83-88
NW ¼ of SW ¼ of NW ¼	13		10	
All of	18		640	86-96
N ½ of NE ¼ of NE ¼	20		20	
NW ¼ of NE ¼ and S ½ of NE ¼	17	1 N R 2 E	120	72-74, 90-91
SE ¼ of SW ¼	18		40	01-02
SW ¼ of SW ¼	19		40	86-02
SE ¼ of SE ¼ of NE ¼	2	1 N R 3 E	10	
NE ¼ of SW ¼ of SW ¼	3		10	
E ½ of SW ¼ of NE ¼	1	2 N R 1 E	20	89-97
N ½ of NW ¼ of NW ¼	3		20	93-94
E ½ of SE ¼	10		80	86-91
NW ¼ of NE ¼	11		40	00-01
NW ¼ of SW ¼	13		40	92-96
E ½ of NE ¼ of NE ¼	18		20	
NW ¼ of SE ¼ of SW ¼ and S ½ of SE ¼ of SW ¼	18		30	94-02
30 a. N of Grand Canal in SE ¼	24		30	98-99

TABLE No. 2—(Continued)

DESCRIPTION.	Sec.	Township.	Acres.	Remarks.
Year 1908—(Continued)—				
E ½ of	30	2 N R 1 E	320	84-93
E ½ of NW ¼	2	2 N R 2 E	80	89-99
E ½ of SW ¼	2		80	89-00
E ½ of NE ¼	4		80	88-02
W 25 a. of SE ¼ of SE ¼	4		25	88-02
SE ¼	5		160	88-99
E ½ of SW ¼	5		80	88-99
SE ¼	7		160	89-97
SE ¼ of SE ¼	8		40	89-99
20 a. S of Grand Ave. in NW ¼ of SE ¼	8		20	89-99
SW ¼ of SE ¼	8		40	89-99
S 10 a. S of Grand Ave. in S ½ of NW ¼	8		10	89-99
SW ¼	8		160	89-99
NE ¼ of NE ¼	10		40	99-01
SE ¼ of NE ¼	10		40	88-92
N ½ of SW ¼ of NE ¼	10		20	88-92
N ½ of NW ¼ and W ½ of SW ¼ of NW ¼	10		100	88-00
SW ¼	10		160	88-92
E ½ of	12		320	88-92
NW ¼	12		160	88-90
E ½ of SW ¼ of S W ¼	12		20	92-00
SW ¼ of NW ¼	13		40	90-93
NE ¼ of NE ¼ and S ½ of NW ¼ of NE ¼	14		60	88-00
S ½ of NE ¼	14		80	92-98
S ½ of NW ¼	14		80	92-98
W 60 a. of NE ¼	17		60	89-97
E ½ of NW ¼ and E ½ of NW ¼ of NW ¼	17		100	89-97
NW ¼ of SW ¼	17		40	92-97
NE ¼ of SW ¼	18		40	92-01
E ½ of SW ¼	20		80	89-02
W 60 a. of NW ¼	24		60	96-98
W 60 a. of SW ¼	24		60	96-98
NW ¼ of NE ¼	26		40	89-93
NE ¼ of NE ¼ of NW ¼	26		10	
20 a. in NW cor. of NW ¼	4	2 N R 3 E	20	
E ½ of NW ¼	6		80	88-92
E ½ of SW ¼	6		80	88-92
NE ¼ of NE ¼	7		40	96-97
S 10 a. of NE ¼ of NE ¼ and S ½ of NE ¼	8		90	92-93
W ½ of W ½ of SE ¼	8		40	92-93
SW ¼ of SE ¼ of NW ¼	8		10	92-93
N ½ of NW ¼ of NW ¼	8		20	92-93
SW ¼ of SE ¼ of SW ¼	8		10	92-93
SE ¼	9		160	92-93-94-96
S ½ of SE ¼ of NE ¼ of SW ¼ and E ½ of SE ¼ of SW ¼	15		25	98-00
E ½ of NE ¼ of SE ¼	16		20	
S 100 a. of SE ¼	17		100	86-96
N ½ of NE ¼ of NW ¼	17		20	
S ½ of N ½ of SW ¼ of NW ¼ and SE ¼ of SW ¼ of NW ¼	17		20	
SW ¼ of S W¼	17		40	86-96
S ½ of NW ¼ of SE ¼	23		20	00-02
E ½ of SE ¼ of NW ¼	23		20	
E 30 a. of SE ¼ of SE ¼	25		30	90-95
S ½ of NE ¼ of NE ¼	26		20	86-87
5 a. in SW cor. of SE ¼ of NW ¼ and 5 a. in NW cor. of NE ¼ of SW ¼	26		10	

TABLE No. 2—(Continued)

DESCRIPTION.	Sec.	Township.	Acres.	Remarks.
Year 1908—(Continued)—				
E ½ of SE ¼ of NE ¼	27	2 N R 3 E	20	00-02
N ½ of N ½ of NW ¼	36		40	93-00
10 a. in NW cor. of SE ¼ of SE ¼	22	2 N R 4 E	10	
NE ¼ of NE ¼	24		40	91-92
NW ¼ of NE ¼	24		40	92-96
S ½ of NE ¼	27		80	91-92
S ½ of SW ¼ of SE ¼	30		20	97-98
SE ¼ of SW ¼	36		40	93-00
SE ¼	12	3 N R 1 E	160	
SE ¼ of NE ¼	15		40	90-91
E ½ of SE ¼ and S ½ of SW ¼ of SE ¼	15	3 N R 1 E	100	88-98
N 60 a. of W ½ of SE ¼	15		60	90-91
SW ¼ of NW ¼	22		40	92-97
SW ¼ of SW ¼	23		40	
NW ¼ of NE ¼	25		40	87-88
NE ¼ of SE ¼	33		40	
S 15 a. of E ½ of NW ¼ of NW ¼	33		15	92-00
15 a. in center of SW ¼	33		15	92-95
NW ¼ of NE ¼	36		40	90-91
N 120 a. of NE ¼ except N ½ of NW ¼	30	3 N R 2 E	100	87-93
SE ¼ of SE ¼ of NE ¼	31		10	95-98
W ½ of NE ¼ of NW ¼	31		20	95-98
S 15 a. of NE ¼ of SW ¼ and N 10 a. of SE ¼ of SW ¼	33		25	89-98
SW ¼	35		160	91-02
W ½ of SE ¼ of NE ¼	36		20	91-02
NE ¼ of SW ¼	36		40	87-93
All S of Ariz. Canal in SW ¼ except W 15 a. of S ½ of SW ¼ of SW ¼	30	3 N R 3 E	50	92-94
E ½	12	1 N R 1 W	320	90-93
S ½ of NE ¼	24		80	
Total			6735	
Year 1909—				
SE ¼	5	1 N R 1 E	160	85-89
N 50 a. of SE ¼	8		50	86-87
N 25 a. of NW ¼ of NE ¼	17		25	84-87
SE ¼	8	1 N R 2 E	160	78-99
N 60 a. of W ½ of NE ¼	13		60	70-89
SE ¼ of SW ¼	19		40	
NE ¼ of SW ¼	15	1 N R 3 E	40	95-00
SE ¼ of NE ¼	2	2 N R 1 E	40	92-95
S ½ of NW ¼ of NW ¼	3		20	93-94
N ½ of SE ¼	4		80	96-02
NW ¼ of NW ¼ of NW ¼	4		10	99-00
NE ¼ of NE ¼ of NE ¼	5		10	90-93
E ½ of NW ¼	12		80	92-00
S ½ of SW ¼	12		80	92-02
SE ¼ of NE ¼ and W ½ of NE ¼	14		120	82-02
70 a. N of Grand Canal in SE ¼	14		70	82-02
60 a. N of Grand Canal in NW ¼	14		60	82-02
NE ¼ of SW ¼ and NE ¼ of SE ¼ of SW ¼	18		50	
45 a. strip N and S through W ½ of NE ¼	19		45	86-90
20 a. on W side of SE ¼	19		20	
E ½ of E ½ of SW ¼	19		40	
E ½ of NE ¼	31		80	
N ½	1	2 N R 2 E	320	92-94, 00-01
E ½ of NE ¼	2		80	89-99

TABLE No. 2—(Continued)

DESCRIPTION.	Sec.	Township.	Acres.	Remarks.
Year 1909—(Continued—				
NE ¼ of SE ¼	2	2 N R 2 E	40	89-99
E 60 a. of N ½ of SE ¼, E 15 a. of SE ¼ of SE ¼ and E 10 a. of SW ¼ of SE ¼	4		85	88-02
20 a. S of Grand Ave. in NW ¼ of NW ¼	6		20	92-01
SW ¼ of NW ¼	6		40	92-01
S ½ of SE ¼	10		80	89-90, 00-01
E ½ of NW ¼	11		80	89-98
SW ¼ of NE ¼	11		40	88-01
SE ¼ of SE ¼ and W ½ of SE ¼	11		120	88-91
N ½ of SW ¼	11		80	88-97
E ¼ of SW ¼	12		80	88-90
N ½ of N ½ of NE ¼ of NE ¼	15		10	92-96
W ½ of SE ¼ except 40 a. in central part	15		40	93-96
SE ¼ of SW ¼ and W ½ of SW ¼	18		120	92-01
N ½ of SE ¼	20		80	89-02
20 a. in SW cor. of NE ¼	22		20	89-95
80 a. N of Grand Ave. in SE ¼	22		80	89-95
65 a. N of Grand Ave. in NW ¼	22		65	89-95
40 a. S of Grand Ave. in NW ¼	22		40	89-95
N ½ of SW ¼ of SW ¼	22		20	89-95
NE ¼	23		160	87-92
SE ¼	23		160	87-95
SE ¼ of NE ¼ of NW ¼ and W ½ of NE ¼ of NW ¼	26		30	88-92
W ½ of SE ¼ of SE ¼ and W ½ of SE ¼	6	2 N R 3 E	100	92-93
N 30 a. of W ½ of E ½ of SW ¼	8		30	
SW ¼ of SW ¼ of NW ¼	17		10	
NW ¼ of SW ¼	17		40	
E ½ of NE ¼	19		80	95-99
SE ¼ of SE ¼ of NW ¼	21		10	91-93
SE ¼ of SW ¼	24		40	00-01
NW ¼ of NW ¼ of NE ¼	26		10	86-87
SE ¼ of NE ¼ of NW ¼	27		10	
SW ¼ of SW ¼	32		40	72-95
S 60 a. of E ½ of SE ¼ and S ½ of SW ¼ of SE ¼	24	2 N R 4 E	80	92-93
SW ¼ of SW ¼ of NE ¼	26	3 N R 1 E	10	
SE ¼ of SW ¼	27		40	91-97
S ½ of SW ¼ of SW ¼	35		20	
10 a. S of Grand Ave. in NW cor. of SE ¼	36		10	90-91
10 a. N of Grand Ave. in SE cor. of NW ¼	36		10	
All S of Arizona Canal in	27	3 N R 2 E	320	87-88
SE ¼ of SW ¼ and W ½ of SW ¼	28		120	89-90
N 25 a. of NE ¼ of SW ¼	33		25	89-98
N 60 a. of W ½ of SW ¼	33		60	89-98
S ½ of N ½ of SE ¼ of SW ¼	33		10	89-98
Total			4305	
Total acreage of Northside Class A land			91,813	

TABLE No. 3.

A descriptive list of Class A land on south side of Salt River.

BROADWAY CANAL.

DESCRIPTION.	Sec.	Township.	Acres.	Remarks.
Year 1870—				
S ½ of NE ¼	25	1 N R 2 E	80	
N 140 a. of NE ¼	30	1 N R 3 E	140	
NW ¼ except 15 a. in NW cor	30		145	
Total			365	
Year 1883—				
S ½ of N ½ of NE ¼	25	1 N R 2 E	40	
Total			40	
Year 1896—				
N ½ of N ½ of NE ¼	25	1 N R 2 E	40	
Total			40	
Year 1905—				
S 20 a. of NE ¼	30	1 N R 3 E	20	
Total			20	
Total acreage under Broadway Canal			465	

SAN FRANCISCO CANAL.

DESCRIPTION.	Sec.	Township.	Acres.	Remarks.
Year 1873—				
70 a. S of river in SE ¼	19	1 N R 3 E	70	
20 a. S of river in NE ¼	20		20	
SE ¼	20		160	
130 a. S of river in SW ¼	20		130	
SE ¼	21		160	
10 a. S of river in NW ¼	21		10	
SW ¼	21		160	
S 90 a. of the SE ¼	22		90	
S 110 a. of the SW ¼	22		110	
75 a. S of river in SW ¼	23		75	
N ½ of	27		320	
N ½ of	28		320	
Total			1625	
Year 1875—				
N ½ of	29	1 N R 3 E	320	
Total			320	
Year 1878—				
SE ¼	24	1 N R 3 E	160	
S 150 a. of SW ¼	24		150	
N 145 a. of SE ¼	27		145	

TABLE No. 3—(Continued)

DESCRIPTION.	Sec.	Township.	Acres.	Remarks.
Year 1878—(Continued)—				
N 150 a. of the SW ¼	27	1 N R 3 E	150	
SE ¼	28		160	
Total			765	
Year 1879—				
70 a. S of river in NE ¼	24	1 N R 3 E	70	
25 a. S of river in NW ¼	24		25	
Total			95	
Year 1880—				
W ½ of NW ¼	19	1 N R 4 E	80	
Total			80	
Year 1883—				
NW ¼ except 5 a. rough land	25	1 N R 3 E	155	
70 a. N of Canal in SW ¼	25		70	
S ½ of NW ¼ of NE ¼ and S ½ of NE ¼	26		100	
N 125 a. of the SE ¼	26		125	
S 150 a. of the NW ¼	26		150	
N 140 a. of the SW ¼	26		140	
Total			740	
Year 1887—				
95 a. W of Canal in NE¼	25	1 N R 3 E	95	
Total			95	
Year 1903—				
SE ¼	29	1 N R 3 E	160	
40 a. in northern part of NE ¼	32		40	
Total			200	
Year 1904—				
N ½ of SW ¼	28	1 N R 3 E	80	
E 30 a. of SW¼	29		30	
Total			110	
Total acreage under San Francisco Canal			4030	

TEMPE CANAL.

DESCRIPTION.	Sec.	Township.	Acres.	Remarks.
Year 1871—				
110 a. S of river in SE ¼	8	1 N R 5 E	110	
60 a. S of river in SW ¼	8		60	
60 a. S of Wallace ditch in SW ¼	9		60	
80 a. N and W of Tempe Canal in NE ¼	17		80	
NW ¼	17		160	
60 a. N and W of Tempe Canal in SW ¼	17		60	
110 a. S of river in NE ¼	18		110	
20 a. S of river in NW ¼	18		20	
SW ¼	18		160	
Total			820	

TABLE No. 3—(Continued—

DESCRIPTION.	Sec.	Township.	Acres.	Remarks.
Year 1872—				
140 a. S of river in SE ¼	13	1 N R 4 E	140	
70 a. S of river in SW ¼	13		70	
145 a. S of river in SE ¼	14		145	
110 a. S of river in SW ¼	14		110	
25 a. N of Hayden ditch in SE ¼	15		25	
SW ¼ of SE ¼	15		40	
20 a. S of river in NW ¼	15		20	
50 a. in NW part of SW ¼	15		50	
S ½ of SW ¼	15		80	
SE ¼	17		160	
125 a. S of river in SW ¼	17		125	
N ½ of NE ¼	20		80	
N ½ of NW ¼	20		80	
NE ¼	21		160	
NE ¼	22		160	
SE ¼ except 15 a. in SE cor	22		145	
NW ¼	22		160	
SW ¼ except 15 a. in SE cor	22		145	
W ½ of	23		320	
NE ¼	24		160	
N ½ of SE ¼	24		80	
S ½ of	26		320	
W ½ of	27		320	
SE ¼	28		160	
W ½ of	28		320	
SE ¼	29		160	
NE ¼	33		160	
N ½ of	34		320	
N ½ of	35		320	
50 a. in NW cor. of NE ¼	19	1 N R 5 E	50	
NW ¼	19		160	
85 a. W of Tempe Canal in SW ¼	19		85	
Total			4830	
Year 1873—				
SW ¼	24	1 N R 4 E	160	
SE ¼ except 10 a. in SE cor	18	1 N R 5 E	150	
Total			310	
Year 1875—				
20 a. S of river in NE ¼	16	1 N R 4 E	20	
SE ¼	16		160	
SW ¼	25		160	
SE ¼	34		160	
Total			500	
Year 1876—				
SW ¼	16	1 N R 4 E	160	
SE ¼	20		160	
NE ¼	23		160	
S ½ of SE ¼	24		80	
S ½ of NW ¼	24		80	
NE ¼	27		160	
SW ¼	35		160	
Total			960	

TABLE No. 3—(Continued)

DESCRIPTION.	Sec.	Township.	Acres.	Remarks.
Year 1877—				
10 a E of San Francisco Canal in NE cor of NE ¼	19	1 N R 4 E	10	
SE ¼	23		160	
E ½ of	25		320	
NW ¼	25		160	
N ½	26		320	
SE ¼	27		160	
S ½ of NE ¼	28		80	
All of	11	1 S R 4 E	640	
Total			1850	
Year 1878—				
SW ¼	20	1 N R 4 E	160	
E ½ of SE ¼ of SW ¼	21		20	
NE ¼ except 40 a. in NW cor	29		120	
NW ¼ except 10 a. in SW cor	33		150	
SW ¼	34		160	
SE ¼	35		160	
N ½ of NW ¼ of NE ¼	36		20	
NW ¼	36		160	
W ½ of SW ¼	36		80	
Total			1030	
Year 1879—				
15 a. S of river in NW ¼	16	1 N R 4 E	15	
N ½ of	2	1 S R 4 E	320	
NE ¼	14		160	
W ½ of	14		320	
Total			815	
Year 1880—				
NE ¼ of NE ¼ except 10 a. in NE cor	19	1 N R 4 E	30	
NW ¼ of NE ¼ except 10 a. in NW cor	19		30	
Total			60	
Year 1881—				
N ½ of NW ¼	24	1 N R 4 E	80	
70 a. in W part of NW ¼	29		70	
SW ¼	29		160	
100 a. N of Tempe Canal in SE ¼	33		100	
W ½ of NW ¼	1	1 S R 4 E	80	
NE ¼	3		160	
80 a. E of Tempe Canal in NW ¼	3		80	
40 a. in NE cor. of SW ¼	3		40	
E ½	15		320	
Total			1090	
Year 1883—				
N ½ of NE ¼ and SW ¼ of NE ¼	30	1 N R 4 E	120	
NW ¼	30		160	
NE ¼	22	1 S R 4 E	160	
Total			440	
Year 1884—				
SW ¼	19	1 N R 4 E	160	
N ½ of SE ¼	21		80	

TABLE No. 3—(Continued)

DESCRIPTION.	Sec.	Township.	Acres.	Remarks.
Year 1884—(Continued)—				
N ½ of SW ¼	21	1 N R 4 E	80	
20 a. in SW cor. of SE ¼	30	1 N R 5 E	20	
100 a. W of Tempe Canal in NW ¼	30		100	
SW ¼ except 5 a. in NE cor	30		155	
S ½	2	1 S R 4 E	320	
120 a. E of Kyrene ditch in NW ¼	22		120	
Total			1035	
Year 1885—				
NW ¼	31	1 N R 5 E	160	
All of	23	1 S R 4 E	640	
Total			800	
Year 1886—				
45 a. N of Tempe Canal in SW ¼	31	1 N R 5 E	45	
E ½ of	1	1 S R 4 E	320	
E ½ of NW ¼	1		80	
SW ¼	1		160	
SE ¼ except 5 a. in SW cor	3		155	
Total			760	
Year 1887—				
65 a. E of S. F. Canal in NE ¼	25	1 N R 3 E	65	
SE ¼	25		160	
90 a. S of S. F. Canal in SW ¼	25		90	
15 a. in SE cor. of SE ¼	22	1 N R 4 E	15	
15 a. in SE cor. of SW ¼	22		15	
120 a. N of Tempe Canal in NE ¼	32		120	
120 a. N of Tempe Canal in NW ¼	32		120	
SE ¼	36		160	
E ½ of SW ¼	36		80	
20 a. in SW cor of SW ¼	31	1 N R 5 E	20	
E ½ of NE ¼	10	1 S R 4 E	80	
E ½ of SE ¼	10		80	
All of	24		640	
All of	26		640	
Total			2285	
Year 1888—				
SE ¼ of NE ¼	30	1 N R 4 E	40	
S ½	30		320	
N ½ of NE ¼	31		80	
N ½ of NW ¼	31		80	
10 a. in NE cor. of SW ¼	33		10	
NE ¼ except N ½ of NW ¼	36		140	
All of	13	1 S R 4 E	640	
SE ¼	22		160	
NW ¼	25		160	
SW ¼ except 10 a. in SE cor	25		150	
NE ¼	27		160	
Total			1940	
Year 1889—				
N ½ of	35	1 N R 3 E	320	
NE ¼	34	1 S R 4 E	160	
Total			480	

TABLE No. 3—(Continued)

DESCRIPTION.	Sec.	Township.	Acres.	Remarks.
Year 1890—				
35 a. S of S. F. Canal in SE ¼	26	1 N R 3 E	35	
20 a. S of S. F. Canal in SW ¼	26		20	
Cementery in NE ¼ of NW ¼	29	1 N R 4 E	15	
W ½ of NE ¼	10	1 S R 4 E	80	
W ½ of SE ¼	10		80	
All of	12		640	
SE ¼	14		160	
NE ¼ except 60 a. in SE cor	25		100	
SE ¼	27		160	
Total			1290	
Year 1891—				
15 a. S of S. F. Canal in SE ½	27	1 N R 3 E	15	
10 a. S of S. F. Canal in SW ¼	27		10	
N ½ of	34		320	
SE ¼	19	1 N R 4 E	160	
S ½ of NE ¼	31		80	
S ½ of NW ¼	31		80	
SW ¼	27	1 S R 4 E	160	
SE ¼	34		160	
SW ¼	35		160	
Total			1145	
Year 1892—				
NE ¼	36	1 N R 3 E	160	
NW ¼ except 20 a. in SE cor	36		140	
Total			300	
Year 1895—				
130 a. N of Tempe Canal in SE ¼	35	1 N R 3 E	130	
110 a. N of Tempe Canal in SW ¼	35		110	
Total			240	
Year 1896—				
110 a. N of Tempe Canal in SE ¼	34	1 N R 3 E	110	
110 a. N of Tempe Canal in SW ¼	34		110	
SW ¼	34	1 S R 4 E	160	
Total			380	
Year 1897—				
SE ¼	33	1 S R 4 E	160	
Total			160	
Year 1906—				
NW ¼	21	1 N R 4 E	160	
W ½ of SE ¼ of SW ¼	21		20	
SW ¼ of SW ¼	21		40	
Total			220	
Year 1907—				
W ½ of SE ¼	28	1 S R 4 E	80	
130 a. E of railroad in SW ¼	28		130	
110 a. in NE ¼	32		110	

TABLE No. 3—(Continued)

DESCRIPTION.	Sec.	Township.	Acres.	Remarks.
Year 1907—(Continued)—				
SE ¼	32	1 S R 4 E	160	
NW ¼	33		160	
Total			640	
Total acreage under Tempe Canal			24,380	

UTAH CANAL.

DESCRIPTION.	Sec.	Township.	Acres.	Remarks.
Year 1871—				
50 a. N of Wallace ditch in SW ¼	9	1 N R 5 E	50	
Total			50	
Year 1877—				
NE ¼	2	1 N R 5 E	160	
SE ¼ except 40 a. in SE cor	2		120	
W ½	2		320	
100 a. S of river in NE ¼	3		100	
SE ¼	3		160	
110 a. S of river in SW ¼	3		110	
NE ¼	10		160	
40 a. N of Utah Canal in SE ¼	10		40	
NW ¼	10		160	
70 a. N of Utah Canal in SW ¼	10		70	
NW ¼ except 40 a. in SE cor	11		120	
20 a. in NW cor. of NE ¼	11		20	
Total			1540	
Year 1878—				
35 a. in NW cor. of NE ¼	1	1 N R 5 E	35	
N ½ of NW ¼	1		80	
S ½ of NW ¼ except 20 a. in SE cor	1		60	
20 a. in NW cor. of SW ¼	1		20	
Indian Reservation south of river in	35 & 36	2 N R 5 E	1115	
Total			1310	
Year 1879—				
W 55 a. of SW ¼	33	1 N R 5 E	55	
Total			55	
Year 1880—				
40 a. E of Tempe Canal in NE part of NE ¼	9	1 N R 5 E	40	
Total			40	
Year 1882—				
SW ¼	20	1 N R 5 E	160	
NW ¼	29		160	
Total			320	

TABLE No. 3—(Continued)

DESCRIPTION.	Sec.	Township.	Acres.	Remarks.
Year 1884—				
S ½	32	1 N R 5 E	320	
Total			320	
Year 1885—				
40 a. in SE cor. of SE ¼	4	1 N R 5 E	40	
90 a. W of Tempe Canal in NE ¼	9		90	
100 a. S of river in NW ¼	9		100	
SE ¼	19		160	
NW ¼	20		160	
NE ¼	31		160	
SW ¼ of SE ¼	31		40	
Total			750	
Year 1886—				
NE ¼	30	1 N R 5 E	160	
SE ¼ except 20 a. in SW cor.	30		140	
60 a. E of Tempe Canal in NW ¼	30		60	
5 a. in NE cor. of SW ¼	30		5	
Total			365	
Year 1887—				
NE ¼ except 50 a. in NW cor.	19	1 N R 5 E	110	
75 a. E of Tempe Canal in SW ¼	19		75	
SE ¼ of SE ¼	31		40	
95 a. E of Tempe Canal in SW ¼	31		95	
N ½ of	5	1 S R 5 E	320	
Total			640	
Year 1888—				
W ½ of NW ¼	3	1 S R 5 E	80	
W ½	4		320	
S ½	5		320	
N ½	6		320	
All of	7		640	
All of	8		640	
NE ¼	17		160	
SE ¼ except 15 a. in SE cor.	17		145	
W ½	17		320	
NE ¼	18		160	
SE ¼ except 20 a. in SE cor.	18		140	
W ½	18		320	
Total			3565	
Year 1889—				
S ½ of	6	1 S R 5 E	320	
Total			320	
Year 1890—				
15 a. in SE cor. of NE ¼	8	1 N R 5 E	15	
N ½ of SE ¼	31		80	
SE ¼	4	1 S R 5 E	160	
Total			255	

TABLE No. 3—(Continued)

DESCRIPTION.	Sec.	Township.	Acres.	Remarks.
Year 1892—				
NE ¼	4	1 S R 5 E	160	
NE ¼ except 50 a. in eastern part	16		110	
NW ¼	16		160	
Total			430	
Year 1893—				
W ½ of SW ¼	3	1 S R 5 E	80	
NE ¼	9		160	
SE ¼ except 35 a. in SE cor	9		125	
W ½	9		320	
Total			685	
Year 1894—				
20 a. in NW cor. of SE ¼	16	1 S R 5 E	20	
N 100 a. of SW ¼	16		100	
Total			120	
Year 1898—				
25 a. in SE part of NE ¼	9	1 N R 5 E	25	
10 a. in SE cor. of SE ¼	34	2 N R 5 E	10	
Total			35	
Year 1900—				
65 a. E of Tempe Canal in N ½ of SE ¼	9	1 N R 5 E	65	
Total			65	
Year 1905—				
NE ¼ except 50 a. in eastern part	19	1 S R 5 E	110	
NW ¼	19		160	
Total			270	
Year 1909—				
30 a. S of river in SW ¼	30	2 N R 6 E	30	
Total			30	
Total acreage under Utah Canal			11,165	

MESA CANAL.

DESCRIPTION.	Sec.	Township.	Acres.	Remarks.
Year 1878—				
SW ¼	14	1 N R 5 E	160	
120 a. S of Mesa Canal in SE ¼	15		120	
S ½	21		320	
All of	22		640	
N ½	27		320	
SW ¼	27		160	
NE ¼	28		160	

TABLE No. 3—(Continued)

DESCRIPTION.	Sec.	Township.	Acres.	Remarks.
Year 1878—(Continued)—				
NE ¼ except 20 a. in SE cor	31	2 N R 6 E	140	
NW ¼ except 10 a. in NW cor	31		150	
SW ¼ except 5 a. in SE cor	31		155	
Total			2325	
Year 1879—				
80 a. E of Mesa Canal in NW ¼	14	1 N R 5 E	80	
NE ¼	21		160	
W ½	23		320	
NW ¼	25		160	
E ½	33		320	
E 105 a. of SW ¼	33		105	
All of	34		640	
Total			1785	
Year 1880—				
S 60 a. of NE ¼	14	1 N R 5 E	60	
SE ¼	14		160	
20 a. in SE cor. of SW ¼	15		20	
E ½	20		320	
NW ¼	21		160	
NW ¼ of SE ¼ and S ½ of SE ¼	24		120	
S ½ of NW ¼ of NW ¼	24		20	
E ½ of SW ¼	24		80	
E ½	26		320	
SW ¼	26		160	
SE ¼	27		160	
SE ¼	28		160	
W ½	28		320	
NW ¼	33		160	
Total			2220	
Year 1881—				
S ½ of SW ¼ except 20 a. in SE cor	15	1 N R 5 E	60	
SW ¼	25		160	
NW ¼	26		160	
N ½ of NE ¼	29		80	
SE ¼	29		160	
Total			620	
Year 1882—				
15 a. in SW cor. of SW ¼	13	1 N R 5 E	15	
SW ¼	16		160	
SE ¼	17		160	
NW ¼ of NE ¼	25		40	
NW ¼	35		160	
Total			535	
Year 1883—				
SE ¼	16	1 N R 5 E	160	
S ½ of NE ¼	29		80	
N ½	32		320	
NE ¼	35		160	
Total			720	

TABLE No. 3—(Continued)

DESCRIPTION.	Sec.	Township.	Acres.	Remarks.
Year 1884—				
SW ¼	29	1 N R 5 E	160	
SW ¼	35		160	
Total			320	
Year 1885—				
NE ¼	23	1 N R 5 E	160	
W ½ of SW ¼	24		80	
NE ¼ of NE ¼	25		40	
Total			280	
Year 1886—				
NE ¼ except 40 a. in NE cor.	24	1 N R 5 E	120	
S ½ of NE ¼	25		80	
W ½ of SE ¼	25		80	
Total			280	
Year 1887—				
S 145 a. of NE ¼	16	1 N R 5 E	145	
NW ¼	16		160	
SE ¼	23		160	
E ½	3	1 S R 5 E	320	
Total			785	
Year 1888—				
E ½ of SE ¼	25	1 N R 5 E	80	
NW ¼	36		160	
E ½ of NW ¼	3	1 S R 5 E	80	
Total			320	
Year 1889—				
S 70 a. W of canal in SW ¼	11	1 N R 5 E	70	
NE ¼	36		160	
NW ¼ of SE ¼	36		40	
W ½ of NE ¼	30	1 N R 6 E	80	
SE ¼	30		160	
NW ¼	30		160	
All of	31		640	
NE ¼	12	1 S R 5 E	160	
Total			1470	
Year 1890—				
SW ¼	36	1 N R 5 E	160	
S ½	6	1 S R 6 E	320	
Total			480	
Year 1891—				
N ½ of SW ¼	15	1 N R 5 E	80	
W ½ of NE ¼	1	1 S R 5 E	80	
10 a. in NW cor. of SE ¼	1		10	
W ½	1		320	
Total			490	
Year 1892—				
80 a. W of Mesa Canal in NW ¼	14	1 N R 5 E	80	

TABLE No. 3—(Continued)

DESCRIPTION.	Sec.	Township.	Acres.	Remarks.
Year 1892—(Continued)—				
SE ¼	35	1 N R 5 E	160	
SW ¼ of SE ¼	36		40	
20 a. in SW cor. of SE ¼	19	1 N R 6 E	20	
15 a. in SW cor. of NW ¼	19		15	
SW ¼ except 20 a. in NE cor	19		140	
SW ¼	30		160	
S ½	2	1 S R 5 E	320	
E ½ of SW ¼	3		80	
NE ¼ of SE ¼	10		40	
N ½	11		320	
NW ¼	12		160	
NE ¼ of NE ¼	6	1 S R 6 E	40	
N ½ of SW ¼	7		80	
Total			1655	
Year 1893—				
S 60 a. of the SE ¼	10	1 N R 5 E	60	
Cemetery in SE ¼ of SW ¼	10		20	
40 a. N of Mesa Canal in SE ¼	15		40	
E ½ of NW ¼	24		80	
N ½ of NW ¼ of NW ¼	24		20	
SW ¼ of NW ¼	24		40	
Total			260	
Year 1894—				
15 a. in NE cor. of NE ¼	1	1 N R 5 E	15	
Total			15	
Year 1896—				
W ½ of NW ¼	2	1 S R 5 E	80	
Total			80	
Year 1897—				
S ½ of SW ¼ except 15 a. in SW cor	13	1 N R 5 E	65	
NE ¼ of SE ¼	24		40	
Total			105	
Year 1898—				
NE ¼ except 20 a. in NW cor	15	1 N R 5 E	140	
NW ¼ except 10 a. in NE cor	15		150	
40 a. in NW part of NW ¼	32	1 N R 6 E	40	
Total			330	
Year 1900—				
30 a. in SW cor. of SW ¼	29	1 N R 6 E	30	
S ½ of NE ¼	10	1 S R 5 E	80	
NW ¼	10		160	
Total			270	
Year 1905—				
NE ¼	2	1 S R 5 E	160	
W ½ of SE ¼	10		80	
S ½	11		320	

TABLE No. 3—(Continued)

DESCRIPTION.	Sec.	Township.	Acres.	Remarks.
Year 1905—(Continued—)				
NW ¼ of NE ¼	7	1 S R 6 E	40	
NW ¼	7		160	
Total			760	
Year 1906—				
N ½ of NE ¼ of SE ¼	12	1 S R 5 E	20	
Total			20	
Year 1907—				
E ½ of SE ¼ of SW ¼	17	1 N R 5 E	20	
N ½ of SW ¼ and SE ¼ of SW ¼	10	1 S R 5 E	120	97.00
SW ¼ of SW ¼	10		40	
Total			180	
Year 1908—				
50 aS of canal in N ½ of NE ¼	14	1 N R 5 E	50	
W ½ of SE ¼ of SW ¼ and E ½ of SW ¼ of SW ¼	17		40	
N ½ of NE ¼	10	1 S R 5 E	80	92-94
Total			170	
Total acreage under Mesa Canal			16,475	

CONSOLDATED CANAL.

DESCRIPTION.	Sec.	Township.	Acres.	Remarks.
Year 1892—				
All of	21	1 S R 5 E	640	
SW ¼	27		160	
E ½	28		320	
SW ¼	28		160	
Total			1280	
Year 1893—				
W ½ of	10	2 S R 5 E	320	
W ½	15		320	
Total			640	
Year 1897—				
NE ¼	33	1 S R 5 E	160	
NE ¼ of NW ¼ and S ½ of NW ¼	33		120	
Total			280	
Year 1907—				
N 90 a. of SW ¼	15	1 S R 5 E	90	
10 a. in SW cor of SW ¼	15		10	
10 a. in NW cor. of NW ¼	23		10	
Total			110	

TABLE No. 3—(Continued)—

DESCRIPTION.	Sec.	Township.	Acres.	Remarks.
Year 1908—				
20 a. W of canal in NE ¼	27	2 S R 5 E	20	
Total			20	
Total acreage under Consolidated Canal			2330	

HIGHLAND CANAL.

DESCRIPTION.	Sec.	Township.	Acres.	Remarks.
Year 1892—				
SE ¼	12	1 N R 5 E	160	
E ½ of SW ¼	12		80	
Total			240	
Year 1901—				
NE ¼	12	1 N R 5 E	160	
Total			160	
Year 1905—				
25 a. in SW ¼ of NW ¼	7	1 N R 6 E	25	
Total			25	
Total acreage under Highland Canal			425	

Summary of Class A land on the Southside under the following named canals:

Broadway Canal	465	acres
San Francisco Canal	4,030	"
Tempe Canal	24,380	"
Utah Canal	11,165	"
Mesa Canal	16,475	"
Consolidated Canal	2,330	"
Highland Canal	425	"
Total	59,270	acres

TABLE No. 4.

A descriptive list of Class B land on North Side of Salt River.

DESCRIPTION.	Sec.	Township.	Acres.	Years cultivated.
NE ¼ and W ½	4	1 N R 1 E	480	83-89
S 30 a. of N ½ of SE ¼	8		30	86-87
NW ¼	9		160	83-85
SW ¼	9		160	84-85
SW ¼ of SW ¼	10		40	89-02
NE ¼ of SW ¼ of NW ¼ and S ½ of SW ¼ of NW ¼	13		30	92-00
S 60 a. of E ½ of NE ¼ and S 55 a. of W ½ of NE ¼	17		115	84-87
E ½ of NW ¼	17		80	84-87
SE ¼ of NE ¼ of SE ¼	10	1 N R 2 E	10	88-90
NW ¼	19		160	90-91
NE ¼ of SW ¼	19		40	88-92
SW ¼	20		160	80-85
125 a. N of river in NW ¼	30		125	72-99
S ½ of SW ¼ of SW ¼	3	1 N R 3 E	20	76-85
55 a. S of Grand Ave. in W ½ of NW ¼	6		55	71-88
SW ¼ except 20 a. in E part of NE ¼ and 10 a. in SE cor.	6		130	71-88
N 40 a. of SW ¼	9		40	69-89
S ½ of NW ¼ except 5 a. in SE cor.	10		75	69-94
NE ¼ of NW ¼	13		40	87-91
S ½ of SE ¼	18		80	70-98
SW ¼ of NW ¼	18		40	70-98
E ½ of SE ¼	2	1 N R 4 E	80	90-95
Indian Reservation—				
200 a. unlocated in	12		200	
200 a. unlocated in	4	1 N R 5 E	200	
400 a. unlocated in	5		400	
200 a. unlocated in	6		200	
200 a. unlocated in	7		200	
SE ¼ of NE ¼	1	2 N R 1 E	40	89-97
NW ¼	1		160	89-90
SW ¼ except 10 a. in NW cor. and 10 a. in SW cor.	1		140	92-99
SW ¼ of NE ¼	2		40	00-01
S 40 a. of SE ¼	3		40	95-96 CR
SW ¼ of SW ¼	3		40	93-94 CR
60 a. in E ½ of NW ¼	4		60	98-99 CR
50 a. in W part of NW ¼	4		50	99-00 CR
75 a. in E part of SW ¼	4		75	99-00 CR
E ½ of E ½ of NE ¼	8		40	96-98 CR
W ½ of E ½ of NE ¼	8		40	98-99 CR
NW ¼ of SE ¼	9		40	86-87
NE ¼	10		160	92-93 CR
NW ¼ of SE ¼	11		40	92-02
130 a. in SW ¼	11		130	92-93 CR
S ½ of SW ¼ of NW ¼	12		20	92-00
NW ¼ of SW ¼	12		40	92-02
SE ¼ of NE ¼	13		40	89-98
NW ¼ of NE ¼	13		40	89-98
SE ¼	13		160	92-96
NE ¼ of NW ¼ and W ½ of NW ¼	13		120	96-99
NE ¼ of SW ¼ and S ½ of SW ¼	13		120	92-96
10 a. in SW cor. of NE ¼ of SE ¼	24		10	98-99
NE ¼ of NW ¼	24		40	91-92 CR
S 20 a. of the NW ¼	24		20	82-84
E ½ of NW ¼	30		80	84-93
NW ¼	31		160	86-91
W ½ of NW ¼ of SE ¼	4	2 N R 2 E	20	88-02

TABLE No. 4—(Continued)

DESCRIPTION.	Sec.	Township.	Acres.	Years cultivated.
N ½ of NW ¼ of SW ¼, SE ¼ of NW ¼ of SW ¼ and SW ¼ of SW ¼	7	2 N R 2 E	70	89-97
E ½ of NE ¼	8		80	91-01
W ½ of NE ¼	8		80	89-99
N ½ of NE ¼ of SE ¼	8		20	89-99
60 a. N of Grand Ave. in E ½ of NW ¼	8		60	89-99
N 50 a. S of Grand Ave. in S ½ of NW ¼	8		50	89-99
S ½ of SW ¼ of NE ¼	10		20	88-92
E ½ of NE ¼	11		80	88-01
NE ¼ of SE ¼	11		40	88-91
S ½ of SW ¼	11		80	88-97
W ½ of NE ¼	13		80	89-90
SE ¼	13		160	89-90
E ½ of NW ¼	13		80	90-93
SW ¼	13		160	89-90
S ½ of N ½ of NE ¼ of NE ¼	15		10	92-96
S ½ of NE ¼	15		80	97-02 CR
W ½ of NW ¼ of NW ¼	17		20	87-97
E ½ of NW ¼ and NW ¼ of NW ¼	18		120	92-01
S ½ of SE ¼	20		80	89-02
S ½ of NE ¼ except 20 a. in SW cor.	22		60	89-95
80 a. S of Grand Ave. in SE ¼	22		80	89-95
15 a. N of Grand Ave. in NW ¼ of NW ¼	22		15	89-98
W 40 a. S of Grand Ave. in W ½ of NW ¼	22		40	89-98
E ½ of SW ¼ and S ½ of SW ¼ of SW ¼	22		100	89-95
NE ¼ of NE ¼ of NW ¼ and S ½ of NE ¼ of NW ¼	23		30	88-91
S ½ of SW ¼	23		80	87-91
NE ¼ of NE ¼	26		40	89-93
25 a. N of Grand Canal in SE ¼ of NW ¼	26		25	89-93
20 a. N of Grand Ave. in NW ¼ of NW ¼	26		20	89-95
20 a. N of Appropriators Canal in NE ¼	27		20	89-95
All N of Grand Canal in NW ¼ except 40 a. S of Appropriators Canal in E ½	27		85	89-99
NE ¼	28		160	90-00
150 a. N of Grand Canal in NE ¼	29		150	92-02
NE ¼ of NW ¼	29		40	92-02
NE ¼	6	2 N R 3 E	160	88-92
NE ¼ of SE ¼	6		40	88-92
NW ¼ of NE ¼	7		40	96-97
SE ¼	7		160	89-92
E 45a. of N 60 a. of NE ¼	8		45	92-93
E 120 a. of SE ¼	8		120	92-93-99
S 60 a. of W ½ of NW ¼	8		60	92-93
W ½ of SW ¼	8		80	92-93
NW ¼ of NW ¼ of NW ¼	9		10	92-93
S ½ of SE ¼ of SW ¼	13		20	99-02
W ½ of NE ¼	19		80	95-99
20 a. S of Grand Canal in SW cor. of NE ¼	20		20	86-90
NE ¼	21		160	91-93
25 a. N of Grand Canal in E part of NW ¼ of SE ¼	21		25	91-93
E 60 a. of N ½ of NW ¼	21		60	91-93
SE ¼ of NW ¼ except 10 a. in SE cor.	21		30	91-93
SW ¼ of NW ¼ except 5 a. in SW cor.	21		35	91-93
E ½ of NW ¼ and SW ¼ of NW ¼	22		120	90-02
SW ¼	22		160	90-02
20 a. in E part of NW ¼ of NE ¼	23		20	98-02
E ½ of NE ¼ except 10 a. in the NE cor.	25		70	00-02
SW ¼ of NE ¼	25		40	00-02
N ½ of NW ¼ of SW ¼	25		20	95-96
NE ¼ of NE ¼ of NE ¼	26		10	86-87

TABLE No. 4—(Continued)—

DESCRIPTION.	Sec.	Township.	Acres.	Years cultivated.
S ½ of NE ¼	26	2 N R 3 E	80	86-87
SE ¼	26		160	86-88
E ½ of NW ¼ except 5 a. in SW cor.	26		75	86-87
E ½ of SW ¼ except 5 a. in NW cor.	26		75	86-87
S 60 a. of W ½ of SW ¼	26		60	86-87
NE ¼ of NE ¼	27		40	88-95
N ½ of NW ¼ of NE ¼	27		20	88-95
W 60 a. of S ½ of NE ¼	27		60	88-95
NW ¼ of SE ¼	27		40	88-95
W ½ of NE ¼ of NE ¼ and E ½ of E ½ of NW ¼ of NE ¼	35		30	99-00
S ½ of SE ¼ of NE ¼	35		20	91-92
W 30 a. of NW ¼ of NE ¼ and SW ¼ of NE ¼	35		70	97-98
W 30 a. of SE ¼ of SE ¼ and W ½ of SE ¼	12	2 N R 4 E	110	91-95
SE ¼ of SW ¼	12		40	91-95
15 a. in SE ¼ of NW ¼	19		15	98-99
SW ¼ of SW ¼ of SW ¼	19		10	95-96 CR
NE ¼ of NW ¼ of NE ¼	23		10	95-96 CR
SW ¼ of NW ¼	24		40	97-98 CR
W ½ of SW ¼	24		80	96-97 CR
E ½ of SW ¼ of NE ¼	26		20	96-98
E ½ of NW ¼ of SE ¼	26		20	96-97
30 a. in NW ¼ of NW ¼	26		30	94-95 CR
E ½ of NW ¼ of SW ¼	26		20	96-97
N ½ of NE ¼	27		80	91-92 CR
SW ¼ of SE ¼ except 5 a. in NE cor.	27		35	96-98
N ½ of NW ¼ of SW ¼	27		20	92-94
N ½ of SW ¼	29		80	98-99
N ½ of	30		320	94-97
NW ¼ of NW ¼ of SW ¼	32		10	96-97 CR
SW ¼ of NW ¼ of SW ¼	32		10	93-96 CR
NE ¼	34		160	93-94 CR
W ½ of SE ¼	34		80	93-94 CR
E ½ of NW ¼ of NE ¼ and SW ¼ of NE ¼	36		60	93-99
S ½ of	28	2 N R 5 E	320	Indian Reservation.
W 67 a. of S ½ of NE ¼	29		67	
S ½ of SE ¼	29		80	
120 a. in W ½ of	29		120	
S ½ of	32		320	
70 a. S of Arizona Canal in SW ¼	1	3 N R 1 E	70	92-99
10 a. in SE cor. of NE ¼	2		10	93-95 CR
N ½ of SE ¼	2		80	90-98 CR
NW ¼ of NW ¼	2		40	94-95 CR
10 a. in SE cor. of SW ¼	2		10	90-91 CR
20 a. in SE ¼ of SE ¼	16		20	94-97 CR
20 a. N of Grand Ave. in NW ¼ of SE ¼	22		20	89-96
NW ¼	24		160	94-97 CR
30 a. in SE cor. of NW ¼	25		30	95-96 CR
SW ¼ of SW ¼ of SW ¼	25		10	96-98 CR
E ½ of NE ¼ except 5 a. in SE cor.	26		75	94-97 CR
SE ¼	26		160	96-97 CR
NW ¼ of NW ¼ except 5 a. for trees	26		35	89-90
NE ¼ of NE ¼ except 5 a. for trees	27		35	89-90
S ½ of N ½ of SW ¼ of NE ¼ and N ½ of S ½ of SW ¼ of NE ¼	27		20	92-00
N 10 a. of NE ¼ of SE ¼	27		10	99-00
NW ¼ of NW ¼ of NW ¼	27		10	98-99 CR
NE ¼ of NW ¼	34		40	98-99 CR
NE ¼ of NW ¼ of NW ¼	34		10	90-99 CR

TABLE No. 4—(Continued)—

DESCRIPTION.	Sec.	Township.	Acres	Years cultivated.
S 15 a. of SE ¼ of NE ¼	36	3 N R 1 E	15	92-00 CR
S 70 a. W of railroad in SE ¼	36		70	90-91
NE ¼ of NW ¼	36		40	90-91
E ½	20	3 N R 2 E	320	90-92
50 a. S of Arizona Canal in W ½ of SE ¼	25		50	90-92
45 a. S of Arizona Canal in SW ¼	25		45	90-92
All of	29		640	87-90 SW ¼ to 98
N ½ of S ½ of SE ¼ of NE ¼ and S ½ of SW ¼ of NE ¼	30		30	87-93
W 60 a. of N ½ of SE ¼	30		60	87-93
5 a. in NW cor. of SW ¼ of SE ¼	30		5	87-93
NE ¼ of NE ¼ of NW ¼	30		10	98-99
SW ¼ of SE ¼ of NE ¼	31		10	95-98 CR
N ½ of NE ¼ of SE ¼	31		20	95-98 CR
SW ¼ of SE ¼	31		40	95-98
E ½ of NE ¼ of NW ¼	31		20	95-98
NW ¼ of NW ¼	31		40	95-98
SE ¼ of SW ¼	31		40	91-96 CR
SW ¼ of SW ¼ except 10 a. in NW cor.	31		30	91-96
N ½	33		320	89-95
NW ¼ of SW ¼	31	3 N R 3 E	40	90-93
Total acreage of Class B land on the North Side			14,792	

N. B. —"C. R." means canal company's records showing cultivation in the years specified.

TABLE No. 5.

A descriptive list of Class B land on South Side of Salt River.

SAN FRANCISCO CANAL.

DESCRIPTION.	Sec.	Township.	Acres.	Years cultivated.
130 a. S of river in SE ¼	23	1 N R 3 E	130	73-98
Total			130	

Since 1898 this land has been irrigated by water from a subterranean ditch having its head in SE ¼ of Sec. 20, T. 1 N., R. 4 E.

TEMPE CANAL.

DESCRIPTION.	Sec.	Township.	Acres.	Years cultivated.
40 a. S of river in S ½	18	1 N R 4 E	40	82-02
N 60 a. of E ½ of NW ¼	19		60	82-02
N ½ of NE ¼	28		80	77-88
10 a. E of Kyrene ditch in the SE cor. of NW ¼	15	1 S R 4 E	10	92-95
10 a. E of Kyrene ditch in the NE cor. of SW ¼	15		10	92-95
SW ¼	22		160	89-94
15 a. in NW cor. of SE ¼	25		15	96-98
NW ¼	27		160	89-92
50 a. in eastern part of NE ¼	28		50	91-93
E ½ of SE ¼	28		80	91-93
S ½ of NW ¼	34		80	96-97
NE ¼ except 20 a. in SE cor.	35		140	89-00
NW ¼	35		160	89-00
Total			1040	

UTAH CANAL.

DESCRIPTION	Sec.	Township.	Acres.	Years cultivated.
20 a. in NW cor. of NE ¼	20	1 S R 5 E	20	89-90
20 a. in SE cor. of SE ¼	20		20	89-90
NE ¼ of NW ¼	20		40	90-92
NW ¼ of NW ¼ except 10 a. in NW cor.	20		30	89-90
S ½ of NW ¼ except 10 a. in SE cor.	20		70	89-90
20 a. in NW cor. of SW ¼	20		20	89-90
Total			200	

MESA CANAL.

DESCRIPTION	Sec.	Township.	Acres.	Years cultivated.
40 a. in SW cor. of NW ¼	13	1 N R 5 E	40	97-00
N ½ of SW ¼	13		80	97-99
30 a. E of Tempe Canal in N ½ of SW ¼	17		30	87-91
10 a. in SW cor. of SW ¼	17		10	87-91
E ½ of SE ¼	36		80	89-02

TABLE No. 5—(Continued)

DESCRIPTION	Sec.	Township.	Acres.	Years cultivated.
35 a. in NW cor. of SE ¼	31	2 N R 6 E	35	89-98
40 a. in NW cor. of NW ¼	32		40	87-00
SE ¼ except 10 a. in NW cor	1	1 S R 5 E	150	95-98
SE ¼ of NE ¼	6	1 S R 6 E	40	92-96
S ½ of SW ¼	7		80	92-98
Total			585	

CONSOLIDATED CANAL.

DESCRIPTION	Sec.	Township.	Acres.	Years cultivated.
100 a. unlocated in SW ¼	12	1 S R 5 E	100	93-94
NW ¼	13		160	96-97
E ½ of NW ¼	15		80	92-00
W ½ of NW ¼	15		80	92-95
W 60 a. of S ½ of SE ¼	15		60	97-98
E ½ of	22		320	92-00
W ½ of W ½	22		160	92-00
NE ¼	26		160	90-99
W ½	26		320	90-99
E ½	27		320	92-97
W ½ of NW ¼	27		80	92-97
NW ¼	28		160	92-98
S ½ of NW ¼	31		80	93-97
S ½ of	31		320	93-97
S ½ of	32		320	93-97
N ½ of NW ¼	34		80	97-01
All of	9	2 S R 5 E	640	95-98
W ½ of NE ¼	10		80	95-01
SE ¼	10		160	95-01
E ½ except 15 a. in SE ¼	15		305	93-01
Total			3985	

HIGHLAND CANAL.

DESCRIPTION	Sec.	Township.	Acres.	Years cultivated.
Unlocated 30 a. in E ½ of SW ¼	1	1 N R 5 E	30	95-00
N ½ of SE ¼ of NE ¼	11		20	99-00
W ½ of SW ¼	12		80	92-98
NE ¼	13		160	93-01
30 a. in SW cor. of SE ¼	13		30	90-91
NW ¼ except 40 a. in SW cor	13		120	93-95
15 a. W of canal in S part of SE ¼	7	1 N R 6 E	15	95-96
20 a. in NW cor. of SW ¼	7		20	93-95
NE ¼ except 5 a. in NE cor	18		155	95-96
NW ¼	18		160	95-00
E ½ of SW ¼	18		80	92-93
W ½ of SW ¼	18		80	97-98
NE ¼	19		160	95-99
SE ¼ except 20 a. in SW cor	19		140	95-99
NW ¼ except 15 a. in SW cor	19		145	95-99
20 a. in W part of NE ¼	20		20	92-02
E ½ of NW ¼	20		80	92-02
W ½ of NW ¼	20		80	92-96

TABLE No. 5—(Continued)

DESCRIPTION	Sec.	Township.	Acres.	Years cultivated.
E ½ of SW ¼	20	1 N R 6 E	80	96-97
70 a. W of canal in NW ¼	28		70	91-99
E ½ of NE ¼	30		80	89-96
N ½ of NE ¼	32		80	89-92
S ½ of NE ¼	32		80	89-99
SE ¼	32		160	89-02
NW ¼ of SE ¼	33		40	90-99
W ½ of	33		320	89-99
20 a. W of canal in SW ¼ of SW ¼	28	2 N R 6 E	20	90-95
60 a. in S ½ of SE ¼	29		60	90-95
20 a. in SE cor. of SW ¼	29		20	90-95
95 a. W of canal in NE ¼	32		95	90-95
90 a. E of Consolidated in NW ¼	32		90	90-95
40 a. N of Highland in SW ¼	32		40	90-95
N ½ of SE ¼ of SE ¼	24	1 S R 5 E	20	95-96
Unlocated 60 a. in NW ¼	25		60	90-96
W ½	4	1 S R 6 E	320	89-99
NE ¼ of NE ¼	5		40	99-02
SE ¼	5		160	89-99
W 100 a. in NW ¼	5		100	93-99
10 a. in E part of SW ¼	5		10	90-96
All of	8		640	89-99
S 35 a. of NE ¼ of NE ¼ and N 15 a. of SE ¼ of SE ¼	9		50	99-00
Unlocated 30 a. in NE ¼	16		30	90-93
Unlocated 10 a. in SE ¼	16		10	90-93
W ½	16		320	90-93
All of	17		640	89-99
All of	18		640	89-99
All of	20		640	89-99
40 a. W of canal in SW ¼	21		40	89-96
NW ¼	29		160	89-99
SW ¼	29		160	90-92
E ½ of	30		320	89-99
NW ¼	30		160	90-92
E ½ of	31		320	89-99
NW ¼	31		160	89-99
SW ¼	31		160	89-92
Unlocated 40 a. in SE ¼	1	2 S R 5 E	40	90-96
N ½ of NW ¼	1		80	92-94
Unlocated 60 a. in SW ¼	6	2 S R 6 E	60	90-96
Total			8150	

Summary of Class "B" land on the South Side that has been irrigated by means of the following named canals:

San Francisco canal	130	acres
Tempe canal	1,045	"
Utah canal	200	"
Mesa canal	585	"
Consolidated canal	3,985	"
Highland canal	8,150	"
Total	14,095	acres

TABLE No. 6.

A table showing acreage of Class A and Class B land by Townships and Sections.

T. 1 N., R. 1 E.

	Acreage.			North Side Acreage.			South Side Acreage.		
Sections	Total	Class A	Class B	Total	Class A	Class B	Total	Class A	Class B
1	640	640		640	640				
2	640	640		640	640				
3	640	640		640	640				
4	640	160	480	640	160	480			
5	480	480		480	480				
6	640	640		640	640				
7	320	320		320	320				
8	240	210	30	240	210	30			
9	640	320	320	640	320	320			
10	520	480	40	520	480	40			
11	620	620		620	620				
12	640	640		640	640				
13	540	510	30	540	510	30			
14	160	160		160	160				
16	640	640		640	640				
17	340	145	195	340	145	195			
18	640	640		640	640				
20	20	20		20	20				
21	20	20		20	20				
24	70	70		70	70				
25	60	60		60	60				
Total	9,150	8,055	1,095	9,150	8,055	1,095			

T. 1 N., R. 2 E.

	Acreage.			North Side Acreage.			South Side Acreage.		
Sections	Total	Class A	Class B	Total	Class A	Class B	Total	Class A	Class B
1	640	640		640	640				
2	640	640		640	640				
3	640	640		640	640				
4	640	640		640	640				
5	640	640		640	640				
6	640	640		640	640				
7	640	640		640	640				
8	640	640		640	640				
9	640	640		640	640				
10	640	630	10	640	630	10			
11	640	640		640	640				
12	640	640		640	640				
13	490	490		490	490				
14	640	640		640	640				
15	630	630		630	630				
16	640	640		640	640				
17	630	630		630	630				
18	600	600		600	600				
19	520	320	200	520	320	200			
20	560	400	160	560	400	160			
21	230	230		230	230				
22	310	310		310	310				

TABLE No. 6—(Continued)

T. 1 N., R. 2 E.

	Acreage.			North Side Acreage.			South Side Acreage.		
Sections	Total	Class A	Class B	Total	Class A	Class B	Total	Class A	Class B
23	110	110		110	110				
25	160	160					160	160	
30	125		125			125			
Total	13,325	12,830	495	13,165	12,670	495	160	160	

T. 1 N., R. 3 E.

	Acreage.			North Side Acreage.			South Side Acreage.		
Sections	Total	Class A	Class B	Total	Class A	Class B	Total	Class A	Class B
1	640	640		640	640				
2	640	640		640	640				
3	600	580	20	600	580	20			
4	640	640		640	640				
5	640	640		640	640				
6	640	455	185	640	455	185			
7	640	640		640	640				
8	640	640		640	640				
9	640	600	40	640	600	40			
10	640	565	75	640	565	75			
11	640	640		640	640				
12	620	620		620	620				
13	230	190	40	230	190	40			
14	535	535		535	535				
15	485	485		485	485				
16	420	420		420	420				
17	535	535		535	535				
18	560	440	120	560	440	120			
19	70	70					70	70	
20	310	310					310	310	
21	330	330					330	330	
22	200	200					200	200	
23	205	75	130				205	75	130
24	405	405					405	405	
25	635	635					635	635	
26	570	570					570	570	
27	640	640					640	640	
28	560	560					560	560	
29	510	510					510	510	
30	305	305					305	305	
32	40	40					40	40	
34	540	540					540	540	
35	560	560					560	560	
36	300	300					300	300	
Total	16,565	15,955	610	10,385	9,905	480	6,180	6,050	130

TABLE No. 6—T. 1 N., R. 4. E.—(Continued)

	Acreage.			North Side Acreage.			South Side Acreage.		
Sections	Total	Class A	Class B	Total	Class A	Class B	Total	Class A	Class B
2	160	80	80	160	80	80			
6	330	330		330	330				
7	200	200		200	200				
12	200		200	200		200			
13	210	210					210	210	
14	255	255					255	255	
15	215	215					215	215	
16	355	355					355	355	
17	285	285					285	285	
18	40		40				40		40
19	530	470	60				530	470	60
20	480	480					480	480	
21	560	560					560	560	
22	640	640					640	640	
23	640	640					640	640	
24	640	640					640	640	
25	640	640					640	640	
26	640	640					640	640	
27	640	640					640	640	
28	640	560	80				640	560	80
29	525	525					525	525	
30	640	640					640	640	
31	320	320					320	320	
32	240	240					240	240	
33	420	420					420	420	
34	640	640					640	640	
35	640	640					640	640	
36	640	640					640	640	
Total	12,365	11,905	460	890	610	280	11,475	11,295	180

T. 1 N., R. 5 E.

	Acreage.			North Side Acreage.			South Side Acreage.		
Sections	Total	Class A	Class B	Total	Class A	Class B	Total	Class A	Class B
1	240	210	30				240	210	30
2	600	600					600	600	
3	370	370					370	370	
4	240	40	200	200		200	40	40	
5	400		400	400		400			
6	200		200	200		200			
7	200		200	200		200			
8	185	185					185	185	
9	430	430					430	430	
10	510	510					510	510	
11	230	210	20				230	210	20
12	480	400	80				480	400	80
13	510	80	430				510	80	430
14	590	590					590	590	
15	610	610					610	610	
16	625	625					625	625	
17	560	520	40				560	520	40
18	440	440					440	440	

TABLE No. 6—T. 1. N., R. 5 E.—(Continued)

	Acreage.			North Side Acreage.			South Side Acreage.		
Sections	Total	Class A	Class B	Total	Class A	Class B	Total	Class A	Class B
19	640	640					640	640	
20	640	640					640	640	
21	640	640					640	640	
22	640	640					640	640	
23	640	640					640	640	
24	640	640					640	640	
25	640	640					640	640	
26	640	640					640	640	
27	640	640					640	640	
28	640	640					640	640	
29	640	640					640	640	
30	640	640					640	640	
31	640	640					640	640	
32	640	640					640	640	
33	640	640					640	640	
34	640	640					640	640	
35	640	640					640	640	
36	640	560	80				640	560	80
Total	18,900	17,220	1,680	1,000		1,000	17,900	17,220	680

T. 1. N., R. 6 E.

	Acreage.			North Side Acreage.			South Side Acreage.		
Sections	Total	Class A	Class B	Total	Class A	Class B	Total	Class A	Class B
7	60	25	35				60	25	35
17									
18	475		475				475		475
19	620	175	445				620	175	445
20	260		260				260		260
28	70		70				70		70
29	30	30					30	30	
30	640	560	80				640	560	80
31	640	640					640	640	
32	360	40	320				360	40	320
33	360		360				360		360
Total	3,515	1,470	2,045				3,515	1,470	2,045

T. 2 N., R. 1. E.

	Acreage.			North Side Acreage.			South Side Acreage.		
Sections	Total	Class A	Class B	Total	Class A	Class B	Total	Class A	Class B
1	640	300	340	640	300	340			
2	240	200	40	240	200	40			
3	120	40	80	120	40	80			
4	435	250	185	435	250	185			
5	10	10		10	10				
8	105	25	80	105	25	80			
9	160	120	40	160	120	40			

TABLE No. 6—T. 2. N., R. 1 E.—(Continued)

	Acreage.			North Side Acreage.			South Side Acreage.		
Sections	Total	Class A	Class B	Total	Class A	Class B	Total	Class A	Class B
10	240	80	160	240	80	160			
11	450	280	170	450	280	170			
12	640	580	60	640	580	60			
13	640	160	480	640	160	480			
14	640	640		640	640				
15	640	640		640	640				
16	545	545		545	545				
17									
18	260	260		260	260				
19	340	340		340	340				
20	640	640		640	640				
21	640	640		640	640				
22	640	640		640	640				
23	640	640		640	640				
24	540	470	70	540	470	70			
25	640	640		640	640				
26	640	640		640	640				
27	640	640		640	640				
28	640	640		640	640				
29	640	640		640	640				
30	400	320	80	400	320	80			
31	640	480	160	640	480	160			
32	640	640		640	640				
33	640	640		640	640				
34	640	640		640	640				
35	640	640		640	640				
36	640	640		640	640				
Total	16,645	14,700	1,945	16,645	14,700	1,945			

T. 2 N., R. 2 E.

	Acreage.			North Side Acreage.			South Side Acreage.		
Sections	Total	Class A	Class B	Total	Class A	Class B	Total	Class A	Class B
1	320	320		320	320				
2	640	640		640	640				
3	640	640		640	640				
4	640	620	20	640	620	20			
5	640	640		640	640				
6	640	640		640	640				
7	640	570	70	640	570	70			
8	640	350	290	640	350	290			
9	640	640		640	640				
10	640	620	20	640	620	20			
11	640	440	200	640	440	200			
12	640	640		640	640				
13	640	160	480	640	160	480			
14	620	620		620	620				
15	600	510	90	600	510	90			
16	640	640		640	640				
17	640	620	20	640	620	20			
18	640	520	120	640	520	120			
19	640	640		640	640				
20	640	560	80	640	560	80			
21	640	640		640	640				

TABLE No. 6—T. 2 N., R. 2 E.—(Continued)

Sections	Acreage.			North Side Acreage.			South Side Acreage.		
	Total	Class A	Class B	Total	Class A	Class B	Total	Class A	Class B
22	640	345	295	640	345	295			
23	640	530	110	640	530	110			
24	360	360		360	360				
25	580	580		580	580				
26	640	555	85	640	555	85			
27	640	535	105	640	535	105			
28	640	480	160	640	480	160			
29	565	375	190	565	375	190			
30	640	640		640	640				
31	640	640		640	640				
32	640	640		640	640				
33	640	640		640	640				
34	640	640		640	640				
35	640	640		640	640				
36	640	640		640	640				
Total	22,245	19,910	2,335	22,245	19,910	2,335			

T. 2 N., R 3 E.

Sections	Acreage.			North Side Acreage.			South Side Acreage.		
	Total	Class A	Class B	Total	Class A	Class B	Total	Class A	Class B
4	170	170		170	170				
5	390	390		390	390				
6	640	440	200	640	440	200			
7	320	120	200	320	120	200			
8	640	335	305	640	335	305			
9	170	160	10	170	160	10			
10	15	15		15	15				
13	20		20	20		20			
14	10	10		10	10				
15	290	290		290	290				
16	580	580		580	580				
17	560	560		560	560				
18	640	640		640	640				
19	640	560	80	640	560	80			
20	570	550	20	570	550	20			
21	625	315	310	625	315	310			
22	640	360	280	640	360	280			
23	570	550	20	570	550	20			
24	235	235		235	235				
25	250	120	130	250	120	130			
26	640	180	460	640	180	460			
27	585	425	160	585	425	160			
28	640	640		640	640				
29	640	640		640	640				
30	640	640		640	640				
31	640	640		640	640				
32	640	640		640	640				
33	640	640		640	640				
34	625	625		625	625				
35	490	370	120	490	370	120			
36	640	640		640	640				
Total	14,795	12,480	2,315	14,795	12,480	2,315			

TABLE No. 6—(Continued)—T. 2 N., R 4 E.

	Acreage.			North Side Acreage.			South Side Acreage.		
Sections	Total	Class A	Class B	Total	Class A	Class B	Total	Class A	Class B
12	150		150	150		150			
19	165	140	25	165	140	25			
20	10	10		10	10				
22	45	45		45	45				
23	330	320	10	330	320	10			
24	440	320	120	440	320	120			
25									
26	190	100	90	190	100	90			
27	340	205	135	340	205	135			
28	175	175		175	175				
29	90	10	80	90	10	80			
30	640	320	320	640	320	320			
31	35	35		35	35				
32	30	10	20	30	10	20			
34	240		240	240		240			
36	420	360	60	420	360	60			
Total	3,300	2,050	1,250	3,300	2,050	1,250			

T. 2 N., R. 5 E.

	Acreage.			North Side Acreage.			South Side Acreage.		
Sections	Total	Class A	Class B	Total	Class A	Class B	Total	Class A	Class B
20	160	160		160	160				
21	480	480		480	480				
22	160	160		160	160				
25									
26									
27	320	320		320	320				
28	640	320	320	640	320	320			
29	360	93	267	360	93	267			
31	480	480		480	480				
32	640	320	320	640	320	320			
34	10	10					10	10	
35 & 36	1,115	1,115					1,115	1,115	
Total	4,365	3,458	907	3,240	2,333	907	1,125	1,125	

T. 2 N., R. 6 E.

	Acreage.			North Side Acreage.			South Side Acreage.		
Sections	Total	Class A	Class B	Total	Class A	Class B	Total	Class A	Class B
28	20		20				20		20
29	80		80				80		80
30	30	30					30	30	
31	480	445	35				480	445	35
32	265		265				265		265
Total	875	475	400				875	475	400

TABLE No. 6—(Continued)—R. 3 N., R. 1 E.

	Acreage.			North Side Acreage.			South Side Acreage.		
Sections	Total	Class A	Class B	Total	Class A	Class B	Total	Class A	Class B
1	70		70	70		70			
2	140		140	140		140			
12	160	160		160	160				
14	320	320		320	320				
15	200	200		200	200				
16	20		20	20		20			
22	580	560	20	580	560	20			
23	40	40		40	40				
24	160		160	160		160			
25	440	400	40	440	400	40			
26	530	260	270	530	260	270			
27	240	165	75	240	165	75			
33	70	70		70	70				
34	110	60	50	110	60	50			
35	230	230		230	230				
36	450	325	125	450	325	125			
Total	3,760	2,790	970	3,760	2,790	970			

T. 3 N., R. 2 E.

	Acreage.			North Side Acreage.			South Side Acreage.		
Sections	Total	Class A	Class B	Total	Class A	Class B	Total	Class A	Class B
7	60	60		60	60				
20	420	100	320	420	100	320			
25	145	50	95	145	50	95			
27	320	320		320	320				
28	320	320		320	320				
29	640		640	640		640			
30	410	305	105	410	305	105			
31	640	440	200	640	440	200			
32	640	640		640	640				
33	640	320	320	640	320	320			
34	640	640		640	640				
35	640	640		640	640				
36	580	580		580	580				
Total	6,095	4,415	1,680	6,095	4,415	1,680			

T. 3 N., R. 3 E.

	Acreage.			North Side Acreage.			South Side Acreage.		
Sections	Total	Class A	Class B	Total	Class A	Class B	Total	Class A	Class B
30	65	65		65	65				
31	640	600	40	640	600	40			
32	200	200		200	200				
33	30	30		30	30				
Total	935	895	40	935	895	40			

TABLE No. 6—(Continued)—T. 1 N., R. 1 W.

	Acreage.			North Side Acreage.			South Side Acreage.		
Sections	Total	Class A	Class B	Total	Class A	Class B	Total	Class A	Class B
1	200	200		200	200				
12	320	320		320	320				
13	320	320		320	320				
24	160	160		160	160				
Total	1,000	1,000		1,000	1,000				

T. 1 S., R. 4 E.

	Acreage.			North Side Acreage.			South Side Acreage.		
Sections	Total	Class A	Class B	Total	Class A	Class B	Total	Class A	Class B
1	640	640					640	640	
2	640	640					640	640	
3	435	435					435	435	
10	320	320					320	320	
11	640	640					640	640	
12	640	640					640	640	
13	640	640					640	640	
14	640	640					640	640	
15	340	320	20				340	320	20
22	600	440	160				600	440	160
23	640	640					640	640	
24	640	640					640	640	
25	425	410	15				425	410	15
26	640	640					640	640	
27	640	480	160				640	480	160
28	340	210	130				340	210	130
32	270	270					270	270	
33	320	320					320	320	
34	560	480	80				560	480	80
35	460	160	300				460	160	300
Total	10,470	9,605	865				10,470	9,605	865

T. 1 S., R. 5 E.

	Acreage.			North Side Acreage.			South Side Acreage.		
Sections	Total	Class A	Class B	Total	Class A	Class B	Total	Class A	Class B
1	560	410	150				560	410	150
2	560	560					560	560	
3	640	640					640	640	
4	640	640					640	640	
5	640	640					640	640	
6	640	640					640	640	
7	640	640					640	640	
8	640	640					640	640	
9	605	605					605	605	
10	600	600					600	600	
11	640	640					640	640	
12	440	340	100				440	340	100

TABLE No. 6—T. 1 S., R. 5 E.—(Continued)

	Acreage.			North Side Acreage.			South Side Acreage.		
Sections	Total	Class A	Class B	Total	Class A	Class B	Total	Class A	Class B
13	160		160				160		160
15	320	100	220				320	100	220
16	390	390					390	390	
17	625	625					625	625	
18	620	620					620	620	
19	270	270					270	270	
20	200		200				200		200
21	640	640					640	640	
22	480		480				480		480
23	10	10					10	10	
24	20		20				20		20
25	60		60				60		60
26	480		480				480		480
27	560	160	400				560	160	400
28	640	480	160				640	480	160
31	400		400				400		400
32	320		320				320		320
33	280	280					280	280	
34	80		80				80		80
Total	13,800	10,570	3,230				13,800	10,570	3,230

T. 1 S., R. 6 E.

	Acreage.			North Side Acreage.			South Side Acreage.		
Sections	Total	Class A	Class B	Total	Class A	Class B	Total	Class A	Class B
4	320		320				320		320
5	310		310				310		310
6	400	360	40				400	360	40
7	360	280	80				360	280	80
8	640		640				640		640
9	50		50				50		50
16	360		360				360		360
17	640		640				640		640
18	640		640				640		640
20	640		640				640		640
21	40		40				40		40
29	320		320				320		320
30	480		480				480		480
31	640		640				640		640
Total	5,840	640	5,200				5,840	640	5,200

T. 2 S., R. 5 E.

	Acreage.			North Side Acreage.			South Side Acreage.		
Sections	Total	Class A	Class B	Total	Class A	Class B	Total	Class A	Class B
1	120		120				120		120
9	640		640				640		640

TABLE No. 6—T. 2 S., R. 5 E.—(Continued)

	Acreage.			North Side Acreage.			South Side Acreage.		
Sections	Total	Class A	Class B	Total	Class A	Class B	Total	Class A	Class B
10	560	320	240				560	320	240
15	625	320	305				625	320	305
27	20	20					20	20	
Total	1,965	660	1,305				1,965	660	1,305

T. 2 S., R. 6 E.

	Acreage.			North Side Acreage.			South Side Acreage.		
Sections	Total	Class A	Class B	Total	Class A	Class B	Total	Class A	Class B
6	60		60				60		60
Total	60		60				60		60

Summary of Class A land, showing the total acreage, the total acreage on the North Side and the total acreage on the South Side.

	ACREAGE.		
TOWNSHIPS.	Total	North Side	South Side
1 N R 1 E	8,055	8,055	
1 N R 2 E	12,830	12,670	160
1 N R 3 E	15,955	9,905	6,050
1 N R 4 E	11,905	610	11,295
1 N R 5 E	17,220		17,220
1 N R 6 E	1,470		1,470
2 N R 1 E	14,700	14,700	
2 N R 2 E	19,910	19,910	
2 N R 3 E	12,480	12,480	
2 N R 4 E	2,050	2,050	
2 N R 5 E	3,458	2,333	1,125
2 N R 6 E	475		475
3 N R 1 E	2,790	2,790	
3 N R 2 E	4,415	4.415	
3 N R 3 E	895	895	
1 N R 1 W	1,000	1,000	
1 S R 4 E	9,605		9,605
1 S R 5 E	10,570		10,570
1 S R 6 E	640		640
2 S R 5 E	660		660
2 S R 6 E			
Total	151,083	91,813	59,270

TABLE No. 6—(Continued)

Summary of Class B land, showing the total acreage, the total acreage on the North Side and the total acreage on the South Side.

December 31, 1909.	ACREAGE.		
TOWNSHIPS.	Total	North Side	South Side
1 N R 1 E	1,095	1,095	
1 N R 2 E	495	495	
1 N R 3 E	610	480	130
1 N R 4 E	460	280	180
1 N R 5 E	1,680	1,000	680
1 N R 6 E	2,045		2,045
2 N R 1 E	1,945	1,945	
2 N R 2 E	2,335	2,335	
2 N R 3 E	2,315	2,315	
2 N R 4 E	1,250	1,250	
2 N R 5 E	907	907	
2 N R 6 E	400		400
3 N R 1 E	970	970	
3 N R 2 E	1,680	1,680	
3 N R 3 E	40	40	
1 N R 1 W			
1 S R 4 E	865		865
1 S R 5 E	3,230		3,230
1 S R 6 E	5,200		5,200
2 S R 5 E	1,305		1,305
2 S R 6 E	60		60
Total	28,887	14,792	14,095

Table of summaries of Class A and B land by Townships and Sections.

December 31, 1909	Cultivation Total Acreage of			North Side Acreage			South Side Acreage		
TOWNSHIPS	Total	Class A.	Class B.	Total	Class A.	Class B.	Total	Class A.	Class B.
T 1 N R 1 E	9,150	8,055	1,095	9,150	8,055	1,095			
T 1 N R 2 E	13,325	12,830	495	13,165	12,670	495	160	160	
T 1 N R 3 E	16,565	15,955	610	10,385	9,905	480	6,180	6,050	130
T 1 N R 4 E	12,365	11,905	460	890	610	280	11,475	11,295	180
T 1 N R 5 E	18,900	17,220	1,680	1,000		1,000	17,900	17,220	680
T 1 N R 6 E	3,515	1,470	2,045				3,515	1,470	2,045
T 2 N R 1 E	16,645	14,700	1,945	16,645	14,700	1,945			
T 2 N R 2 E	22,245	19,910	2,335	22,245	19,910	2,335			
T 2 N R 3 E	14,795	12,480	2,315	14,795	12,480	2,315			
T 2 N R 4 E	3,300	2,050	1,250	3,300	2,050	1,250			
T 2 N R 5 E	4,365	3,458	907	3,240	2,333	907	1,125	1,125	
T 2 N R 6 E	875	475	400				875	475	400
T 3 N R 1 E	3,760	2,790	970	3,760	2,790	970			
T 3 N R 2 E	6,095	4,415	1,680	6,095	4,415	1,680			
T 3 N R 3 E	935	895	40	935	895	40			
T 1 N R 1 W	1,000	1,000		1,000	1,000				
T 1 S R 4 E	10,470	9,605	865				10,470	9,605	865
T 1 S R 5 E	13,800	10,570	3,230				13,800	10,570	3,230
T 1 S R 6 E	5,840	640	5,200				5,840	640	5,200
T 2 S R 5 E	1,965	660	1,305				1,965	660	1,305
T 2 S R 6 E	60		60				60		60
Total	179,970	151,083	28,887	106,605	91,813	14,792	73,365	59,270	14,095

TABLE No. 7.

A table showing the acreage of the North Side Class A land by Townships and years.

YEARS	T 1 N R 1 E.	T 1 N R 2 E.	T 1 N R 3 E.	T 1 N R 4 E.	T 2 N R 1 E.	T 2 N R 2 E.	T 2 N R 3 E.	T 2 N R 4 E.	T 2 N R 5 E.	T 3 N R 1 E.	T 3 N R 2 E.	T 3 N R 3 E.	T 1 N R 1 W.	Totals
Indian									2333					2333
1869			3050				160							3210
1870		400	1055											1455
1871		1280	1855				160							3295
1872		710	80				1080							1870
1873	60	80	320											460
1874		260	145											405
1875							60							60
1876		1380	320											1700
1877		1120					640							1760
1878		1910	435			1120	440							3905
1879		960	270			640	1565							3435
1880	1440	1300	245		2000	2315	725							8025
1881	620	320	280		2430	1280	35							4965
1882	1600	320	40		4760	865	160							7745
1883	320	160	325		400		50							1255
1884	1120	160	170				40							1490
1885		150			240		180							570
1886	320	80			835	680	585							2500
1887			260			480	150	10		410	565	200		2075
1888		790	10	100		2250	365	445			320			4280
1889	160	110	40		540	2890	220	230		320	750			5260
1890		40	20	210	80	500	715	80		165	450		80	2340
1891			40			240	160			200	80	170		890
1892	220		310		840	760	180	120		355	400			3185
1893				140			330	360		80	220			1130
1894			220	80			235			170	160	30		895
1895		60			225		1245	35		115		10		1690
1896					200		90	100				80		470
1897		320					410	70		10				810
1898						40	90				80	5		215
1899		110					30			40	20			200
1900	40						65	225		40				370
1901		130					170	10			220			530
1902	120		70				170				20			380
1903			20			240	20							280
1904					160	240	100	15		80				595
1905			40				120			80	60			300
1906	230	20	225		10	140	70					80		775
1907	780	40		80	575	795	360	40		45	160	270	620	3665
1908	790	200	20		600	2545	935	230		590	375	50	400	6735
1909	235	260	40		805	1890	370	80		90	535			4305
Total	8055	12,670	9905	610	14,700	19,910	12,480	2050	2333	2790	4415	895	1000	91,813

TABLE No. 8.

A table showing the acreage of the South Side Class A land by Township and years.

YEARS	T 1 N R 2 E.	T 1 N R 3 E.	T 1 N R 4 E.	T 1 N R 5 E.	T 1 N R 6 E.	T 2 N R 5 E.	T 2 N R 6 E.	T 1 S R 4 E.	T 1 S R 5 E.	T 1 S R 6 E.	T 2 S R 5 E.	Totals
1870	80	285										365
1871				870								870
1872			4535	295								4830
1873		1625	160	150								1935
1874												
1875		320	500									820
1876			960									960
1877			1210	1540				640				3390
1878		765	1030	2075		1115	445					5430
1879		95	15	1840				800				2750
1880			140	2260								2400
1881			410	620				680				1710
1882				855								855
1883	40	740	280	720				160				1940
1884			320	915				440				1675
1885				1190				640				1830
1886				690				715				1405
1887		410	510	805				1440	640			3805
1888			670	240				1270	3645			5825
1889		320		270	1040			160	480			2270
1890		55	15	255				1220	160	320		2025
1891		345	320	80				480	410			1635
1892		300		520	335				2630	120		3905
1893				260					685		640	1585
1894				15					120			135
1895		240										240
1896	40	220						160	80			500
1897				105				160	280			545
1898				315	40	10						365
1899												
1900				65	30				240			335
1901				160								160
1902												
1903		200										200
1904		110										110
1905		20					25		830	200		1075
1906			220						20			240
1907				20				640	270			930
1908				90					80		20	190
1909							30					30
Total	160	6050	11,295	17,220	1445	1125	500	9605	10,570	640	660	59,270

TABLE No. 9.

A table of the acreage of Class A land, showing the year of first cultivation, the acreage for that year and the total acreage year by year up to and including the year 1909.

YEARS.	Total acreage	Total on North Side	Total on South Side	Broadway Canal	San Francisco Canal	Tempe Canal	Utah Canal	Mesa Canal	Consolidated Canal	Highland Canal
Indian	2,333	2,333								
	2,333	2,333								
1869	3,210	3,210								
	5,543	5,543								
1870	1,820	1,455	365	365						
	7,363	6,998	365	365						
1871	4,165	3,295	870			820	50			
	11,528	10,293	1,235	365		820	50			
1872	6,700	1,870	4,830			4,830				
	18,228	12,163	6,065	365		5,650	50			
1873	2,395	460	1,935		1,625	310				
	20,623	12,623	8,000	365	1,625	5,960	50			
1874	405	405								
	21,028	13,028	8,000	365	1,625	5,960	50			
1875	880	60	820		320	500				
	21,908	13,088	8,820	365	1,945	6,460	50			
1876	2,660	1,700	960			960				
	24,568	14,788	9,780	365	1,945	7,420	50			
1877	5,150	1,760	3,390			1,850	1,540			
	29,718	16,548	13,170	365	1,945	9,270	1,590			
1878	9,335	3,905	5,430		765	1,030	1,310	2,325		
	39,053	20,453	18,600	365	2,710	10,300	2,900	2,325		
1879	6,185	3,435	2,750		95	815	55	1,785		
	45,238	23,888	21,350	365	2,805	11,115	2,955	4,110		
1880	10,425	8 025	2,400		80	60	40	2,220		
	55,663	31,913	23,750	365	2,885	11,175	2,995	6,330		
1881	6,675	4.965	1,710			1,090		620		
	62,338	36,878	25 460	365	2,885	12,265	2,995	6,950		
1882	8,600	7,745	855				320	535		
	70,938	44,623	26,315	365	2,885	12,265	3,315	7,485		
1883	3;195	1,255	1,940	40	740	440		720		
	74,133	45,878	28,255	405	3,625	12,705	3,315	8,205		
1884	3,165	1,490	1,675			1,035	320	320		
	77,298	47,368	29,930	405	3,625	13,740	3,635	8,525		
1885	2,400	570	1,830			800	750	280		
	79,698	47,938	31,760	405	3,625	14,540	4,385	8,805		
1886	3,905	2,500	1,405			760	365	280		
	83,603	50,438	33,165	405	3,625	15,300	4,750	9,085		
1887	5,880	2,075	3,805		95	2,285	640	785		
	89 483	52,513	36,970	405	3,720	17,585	5,390	9,870		
1888	10,105	4,280	5,825			1,940	3,565	320		
	99,588	56,793	42,795	405	3,720	19,525	8,955	10,190		
1889	7,530	5,260	2,270			480	320	1,470		
	107,118	62,053	45,065	405	3,720	20,005	9,275	11,660		
1890	4,365	2,340	2,025			1,290	255	480		
	111,483	64,393	47,090	405	3,720	21,295	9,530	12,140		

TABLE No. 9—(Continued)

YEARS.	Total acreage	Total on North Side	Total on South Side	Broadway Canal	San Francisco Canal	Tempe Canal	Utah Canal	Mesa Canal	Consolidated Canal	Highland Canal
1891	111,483 2,525	64,393 890	47,090 1,635	405	3,720	21,295 1,145	9,530	12,140 490		
1892	114,008 7,090	65,283 3,185	48,725 3,905	405	3,720	22,440 300	9,530 430	12,630 1,655	1,280	240
1893	121,098 2,715	68,468 1,130	52,630 1,585	405	3,720	22,740	9,960 685	14,285 260	1,280 640	240
1894	123,813 1,030	69,598 895	54,215 135	405	3,720	22,740	10,645 120	14,545 15	1,920	240
1895	124,843 1,930	70,493 1,690	54,350 240	405	3,720	22,740 240	10,765	14,560	1,920	240
1896	126,773 970	72,183 470	54,590 500	405 40	3,720	22,980 380	10,765	14,560 80	1,920	240
1897	127,743 1,355	72,653 810	55,090 545	445	3,720	23,360 160	10,765	14,640 105	1,920 280	240
1898	129,098 580	73,463 215	55,635 365	445	3,720	23,520	10,765 35	14,745 330	2,200	240
1899	129,678 200	73,678 200	56,000	445	3,720	23,520	10,800	15,075	2,200	240
1900	129,878 705	73,878 370	56,000 335	445	3,720	23,520	10,800 65	15,075 270	2,200	240
1901	130,583 690	74,248 530	56,335 160	445	3,720	23,520	10,865	15,345	2,200	240 160
1902	131,273 380	74,778 380	56,495	445	3,720	23,520	10,865	15,345	2,200	400
1903	131,653 480	75,158 280	56,495 200	445	3,720 200	23,520	10,865	15,345	2,200	400
1904	132,133 705	75,438 595	56,695 110	445	3,920 110	23,520	10,865	15,345	2,200	400
1905	132,838 1,375	76,033 300	56,805 1,075	445 20	4,030	23,520	10,865 270	15,345 760	2,200	400 25
1906	134,213 1,015	76,333 775	57,880 240	465	4,030	23,520 220	11,135	16,105 20	2,200	425
1907	135,228 4,595	77,108 3,665	58,120 930	465	4,030	23,740 640	11,135	16,125 180	2,200 110	425
1908	139,823 6,925	80,773 6,735	59,050 190	465	4,030	24,380	11,135	16,305 170	2,310. 20	425
1909	146,748 4,335	87,508 4,305	59,240 30	465	4,030	24,380	11,135 30	16,475	2,330	425
Total acreage	151,083	91,813	59,270	465	4,030	24,380	11,165	16,475	2,330	425

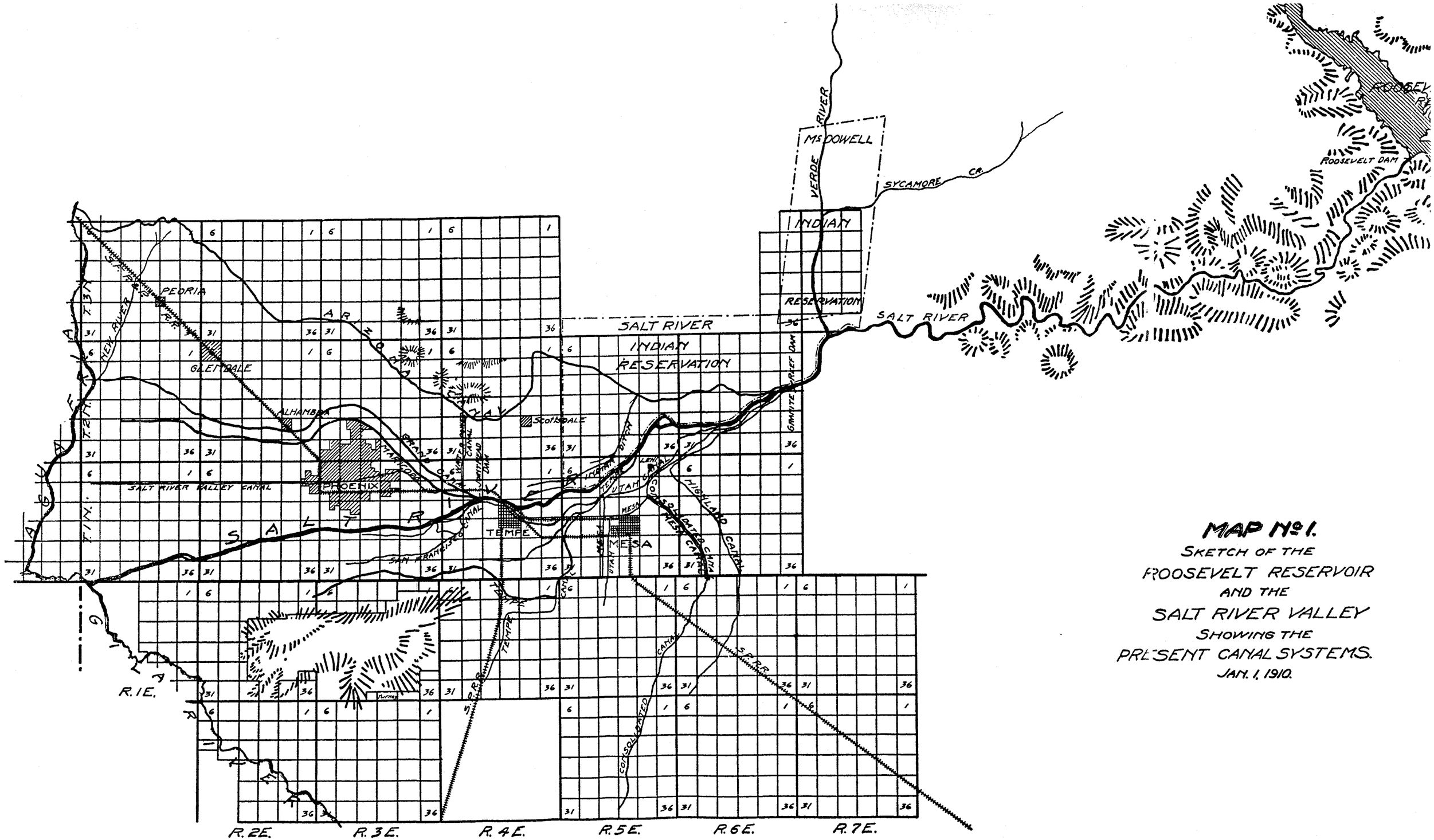
TABLE No. 10.

A table of acres and miners' inches for Class A land, showing the total acreage year by year and water for the same at 48 miners' inches per quarter section or one miners' inch for every three and one-third acres.

YEARS	Total acreage and miners' inches	Total on North Side	Total on South Side	Broadway Canal	San Francisco Canal	Tempe Canal	Utah Canal	Mesa Canal	Consolidated Canal	Highland Canal
	2,333	2,333								
Indian	700	700								
	5,543	5,543								
1869	1,663	1,663								
	7,363	6,998	365	365						
1870	2,209	2,099	110	110						
	11,528	10,293	1,235	365		820	50			
1871	3,459	3,088	371	110		246	15			
	18,228	12,163	6,065	365		5,650	50			
1872	5,469	3,649	1,820	110		1,695	15			
	20,623	12,623	8,000	365	1,625	5,960	50			
1873	6,187	3,787	2,400	110	487	1,788	15			
	21,028	13,028	8,000	365	1,625	5,960	50			
1874	6,308	3,908	2,400	110	487	1,788	15			
	21,908	13,088	8,820	365	1,945	6,460	50			
1875	6,572	3,926	2,646	110	583	1,938	15			
	24,568	14,788	9,780	365	1,945	7,420	50			
1876	7,370	4,436	2,934	110	583	2,226	15			
	29,718	16,548	13,170	365	1,945	9,270	1,590			
1877	8,915	4,964	3,951	110	583	2,781	477			
	39,053	20,453	18,600	365	2,710	10,300	2,900	2,325		
1878	11,716	6,136	5,580	110	813	3,090	870	697		
	45,238	23,888	21,350	365	2,805	11,115	2,955	4,110		
1879	13,571	7,166	6,405	110	842	3,334	886	1,233		
	55,663	31,913	23,750	365	2,885	11,175	2,995	6,330		
1880	16,699	9,574	7,125	110	866	3,352	898	1,899		
	62,338	36,878	25,460	365	2,885	12,265	2,995	6,950		
1881	18,701	11,063	7,638	110	866	3,679	898	2,085		
	70,938	44,623	26,315	365	2,885	12,265	3,315	7,485		
1882	21,282	13,387	7,895	110	866	3,679	995	2,245		
	74,133	45,878	28,255	405	3,625	12,705	3,315	8,205		
1883	22,240	13,763	8,477	122	1,087	3,812	995	2,461		
	77,298	47,368	29,930	405	3,625	13,740	3,635	8,525		
1884	23,189	14,210	8,979	122	1,087	4,122	1,091	2,557		
	79,698	47,938	31,760	405	3,625	14,540	4,385	8,805		
1885	23,909	14,381	9,528	122	1,087	4,362	1,316	2,641		
	83,603	50,438	33,165	405	3,625	15,300	4,750	9,085		
1886	25,081	15,131	9,950	122	1,087	4,590	1,425	2,726		
	89,483	52,513	36,970	405	3,720	17,585	5,390	9,870		
1887	26,845	15,754	11,091	122	1,116	5,275	1,617	2,961		
	99,588	56,793	42,795	405	3,720	19,525	8,955	10,190		
1888	29,877	17,038	12,839	122	1,116	5,857	2,687	3,057		
	107,118	62,053	45,065	405	3,720	20,005	9,275	11,660		
1889	32,136	18,616	13,520	122	1,116	6,002	2,782	3,498		
	111,483	64,393	47,090	405	3,720	21,295	9,530	12,140		
1890	33,445	19,318	14,127	122	1,116	6,388	2,859	3,642		

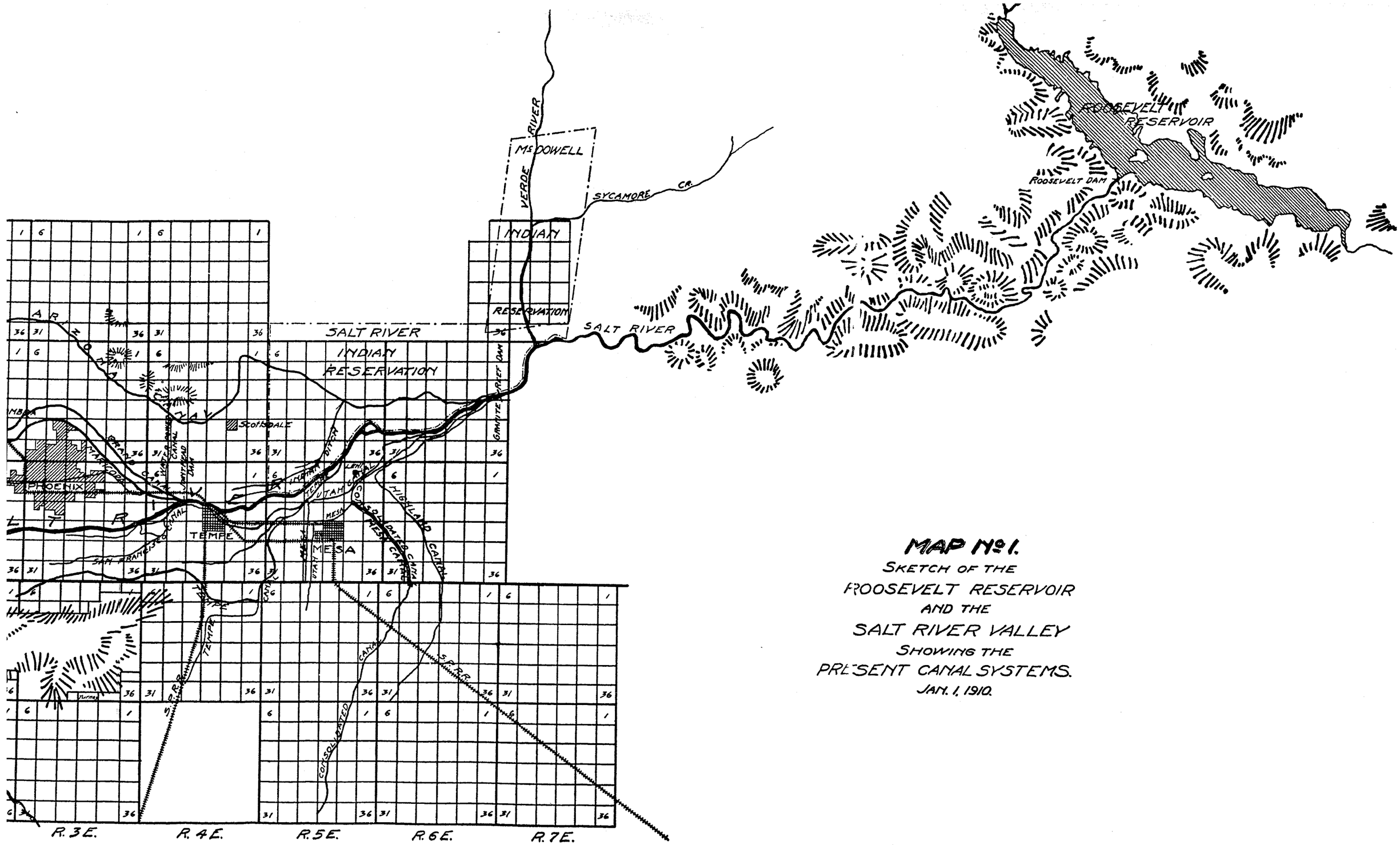
TABLE No. 10—(Continued)

YEARS	Total acreage and miners' inches	Total on North Side	Total on South Side	Broadway Canal	San Francisco Canal	Tempe Canal	Utah Canal	Mesa Canal	Consolidated Canal	Highland Canal
	114,008	65,283	48,725	405	3,720	22,440	9,530	12,630	.....	.....
1891	34,203	19,585	14,618	122	1,116	6,732	2,859	3,789	.....	.....
	121,098	68,468	52,630	405	3,720	22,740	9,960	14,285	1,280	240
1892	36,329	20,540	15,789	122	1,116	6,822	2,988	4,285	384	72
	123,813	69,598	54,215	405	3,720	22,740	10,645	14,545	1,920	240
1893	37,144	20,879	16,265	122	1,116	6,822	3,193	4,364	576	72
	124,843	70,493	54,350	405	3,720	22,740	10,765	14,560	1,920	240
1894	37,453	21,148	16,305	122	1,116	6,822	3,229	4,368	576	72
	126,773	72,183	54,590	405	3,720	22,980	10,765	14,560	1,920	240
1895	38,032	21,655	16,377	122	1,116	6,894	3,229	4,368	576	72
	127,743	72,653	55,090	445	3,720	23,360	10,765	14,640	1,920	240
1896	38,323	21,796	16,527	134	1,116	7,008	3,229	4,392	576	72
	129,098	73,463	55,635	445	3,720	23,520	10,765	14,745	2,200	240
1897	38,730	22,039	16,691	134	1,116	7,056	3,229	4,424	660	72
	129,678	73,678	56,000	445	3,720	23,520	10,800	15,075	2,200	240
1898	38,903	22,103	16,800	134	1,116	7,056	3,240	4,522	660	72
	129,878	73,878	56,000	445	3,720	23,520	10,800	15,075	2,200	240
1899	38,963	22,163	16,800	134	1,116	7,056	3,240	4,522	660	72
	130,583	74,248	56,335	445	3,720	23,520	10,865	15,345	2,200	240
1900	39,175	22,274	16,901	134	1,116	7,056	3,260	4,603	660	72
	131,273	74,778	56,495	445	3,720	23,520	10,865	15,345	2,200	400
1901	39,382	22,433	16,949	134	1,116	7,056	3,260	4,603	660	120
	131,653	75,158	56,495	445	3,720	23,520	10,865	15,345	2,200	400
1902	39,496	22,547	16,949	134	1,116	7,056	3,260	4,603	660	120
	132,133	75,438	56,695	445	3,920	23,520	10,865	15,345	2,200	400
1903	39,640	22,631	17,009	134	1,176	7,056	3,260	4,603	660	120
	132,838	76,033	56,805	445	4,030	23,520	10,865	15,345	2,200	400
1904	39,852	22,810	17,042	134	1,209	7,056	3,240	4,603	660	120
	134,213	76,333	57,880	465	4,030	23,520	11,135	16,105	2,200	425
1905	40,264	22,900	17,364	140	1,209	7,056	3,340	4,832	660	127
	135,228	77,108	58,120	465	4,030	23,740	11,135	16,125	2,200	425
1906	40,568	23,132	17,436	140	1,209	7,122	3,340	4,838	660	127
	139,823	80,773	59,050	465	4,030	24,380	11,135	16,305	2,310	425
1907	41,947	24,232	17,715	140	1,209	7,314	3,340	4,892	693	127
	146,748	87,508	59,240	465	4,030	24,380	11,135	16,475	2,330	425
1908	44,024	26,252	17,772	140	1,209	7,314	3,340	4,943	699	127
	151,083	91,813	59,270	465	4,030	24,380	11,165	16,475	2,330	425
1909	45,325	27,544	17,781	140	1,209	7,314	3,349	4,943	699	127



MAP No. 1.

SKETCH OF THE
ROOSEVELT RESERVOIR
AND THE
SALT RIVER VALLEY
SHOWING THE
PRESENT CANAL SYSTEMS.
JAN. 1, 1910.



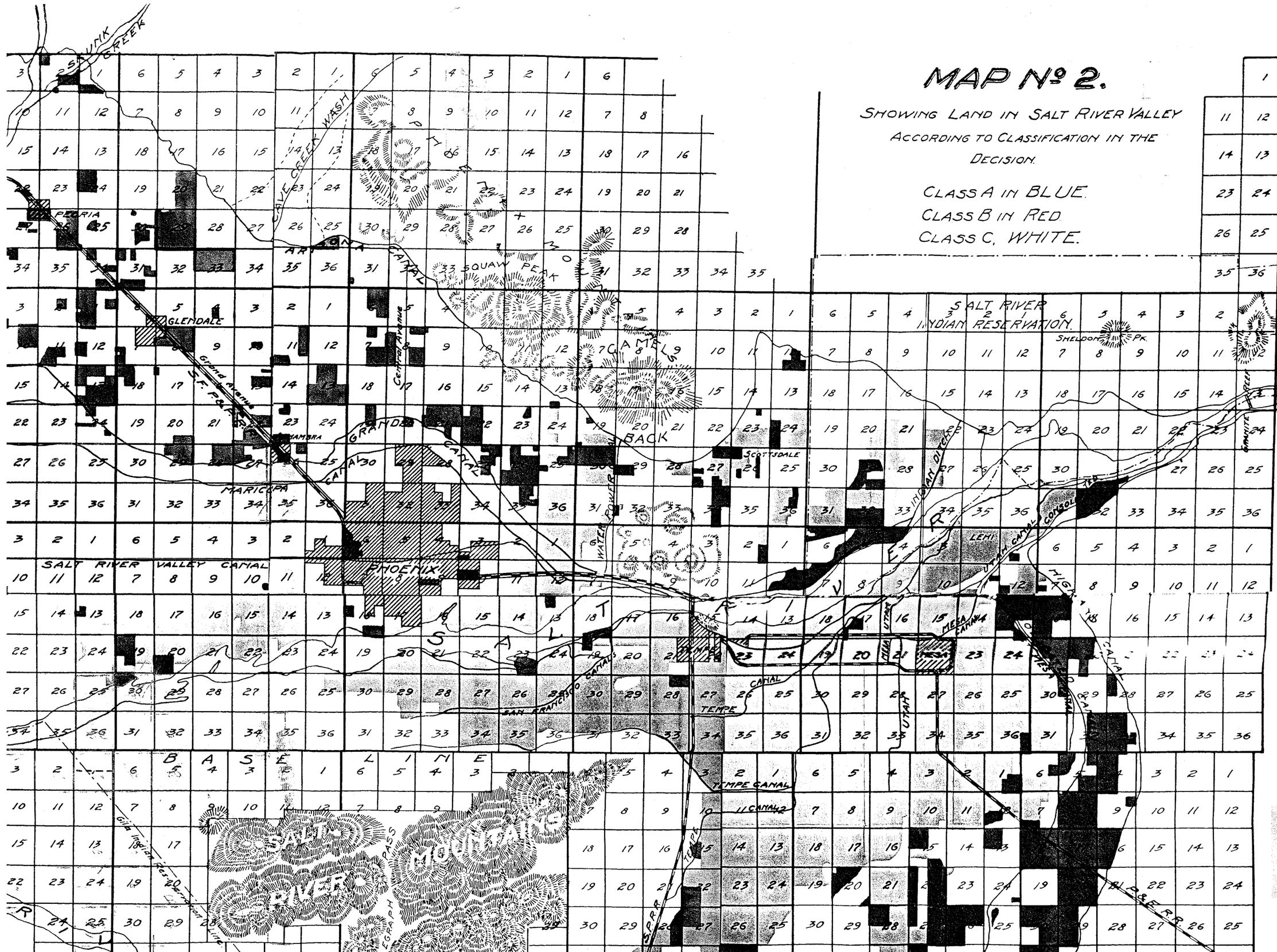
MAP No. 1.

SKETCH OF THE
ROOSEVELT RESERVOIR
AND THE
SALT RIVER VALLEY
SHOWING THE
PRESENT CANAL SYSTEMS.
JAN. 1, 1910.

MAP No. 2.

SHOWING LAND IN SALT RIVER VALLEY
ACCORDING TO CLASSIFICATION IN THE
DECISION.

CLASS A IN BLUE.
CLASS B IN RED.
CLASS C. WHITE.



ERRORS MADE IN COLORING MAP

T. 1 N., R. 2 E.

Strip on north line of NW ¼, Section 24, should be white.

T. 2 N., R. 3 E.

10 acres in NE cor. of SW ¼, Section 21, should be white.

T. 2 N., R. 4 E.

35 acres of the SW ¼ of SW ¼, Section 27, should be white.

T. 2 N., R 5 E.

South ½ of Section 28 should be red.

35 should be blue.

All south of river in Section 36 should be blue.

T. 3 N., R. 1 E.

10 acres in SE cor. of SW ¼ of NW ¼, Section 22, should be white.

20 acres north of Grand avenue in SE ¼ of SE ¼, Section 22, should be white.

5 acres in SE cor. of SE ¼ of NE ¼, Section 26, should be blue.

The south 15 acres of E ½ of NW ¼ of NE ¼, Section 33, colored blue on map, should be the south 15 acres of E ½ of NW ¼ of NW ¼ of Section 33.

T. 1 S., R. 4 E.

15 acres in NW cor. of NE ¼, Section 25, should be red.

T. 1 S., R. 6 E.

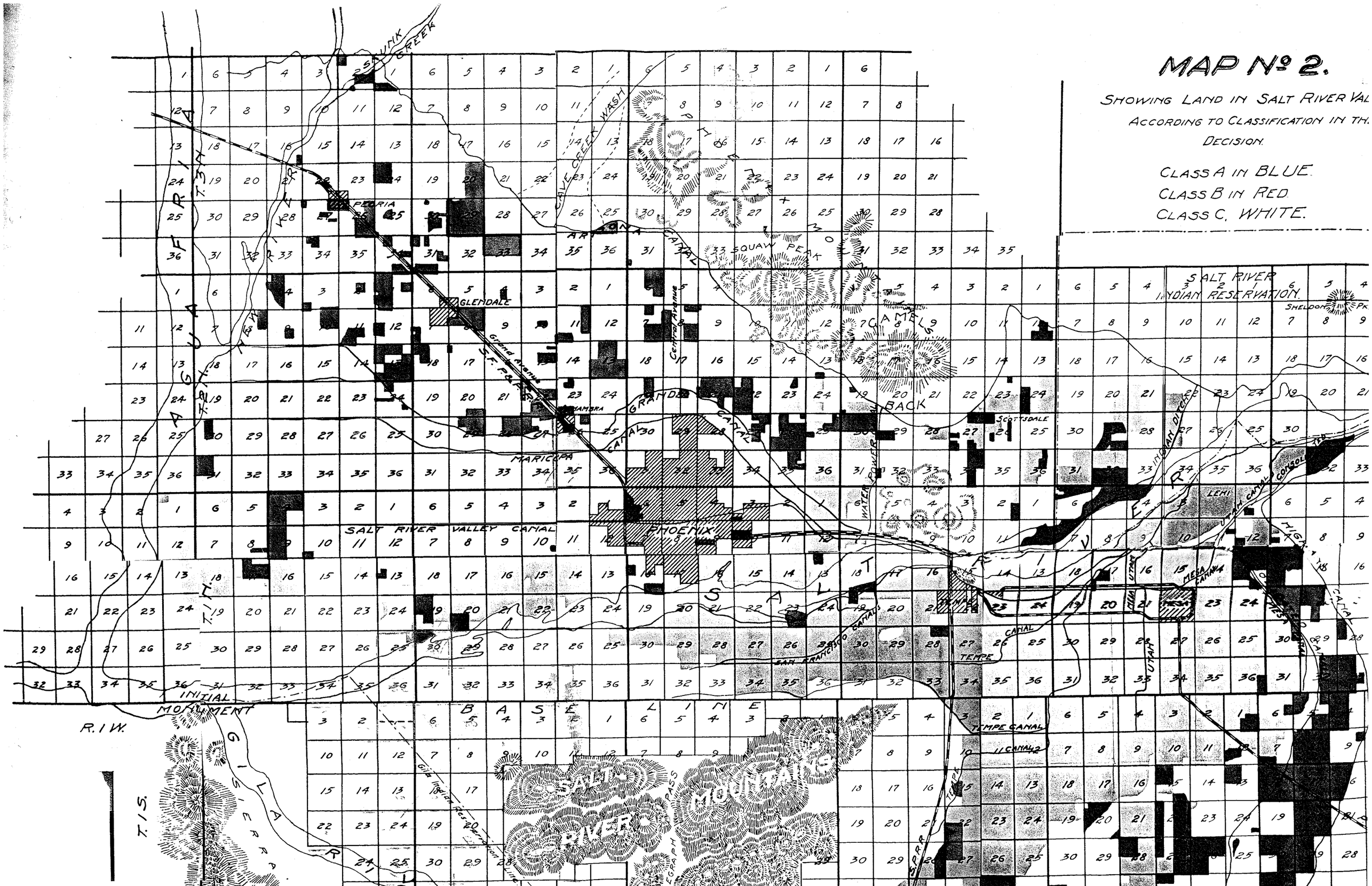
10 acres in NE ¼ of SW ¼, Section 5, should be red.

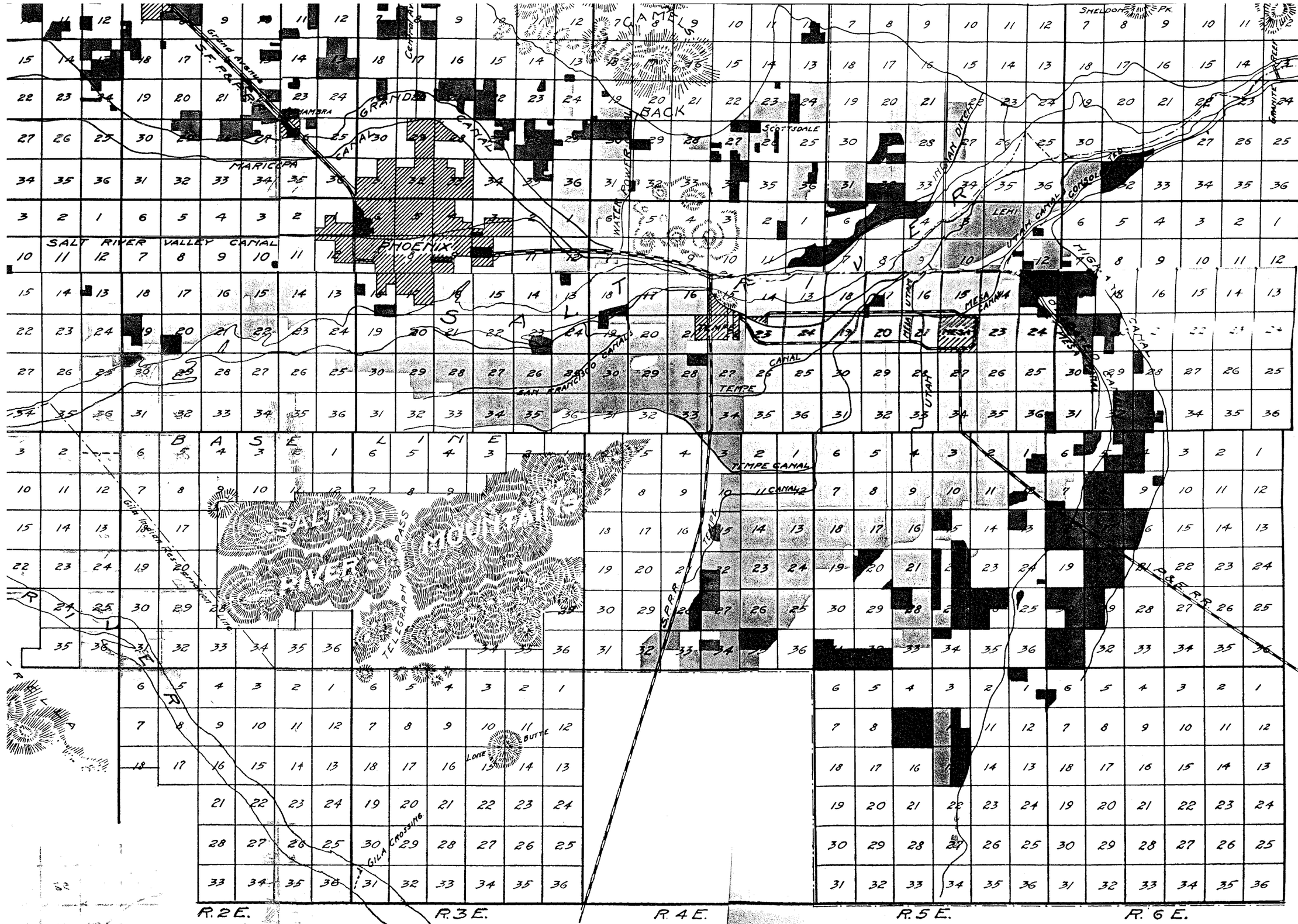
40 acres in NW cor. of SW ¼, Section 21, should be red.

MAP No 2.

SHOWING LAND IN SALT RIVER VAL
ACCORDING TO CLASSIFICATION IN TH
DECISION.

CLASS A IN BLUE.
CLASS B IN RED.
CLASS C. WHITE.





ERRORS MADE IN COLORING MAP

T. 1 N., R. 2 E.

Strip on north line of NW ¼, Section 24, should be white.

T. 2 N., R. 3 E.

10 acres in NE cor. of SW ¼, Section 21, should be white.

T. 2 N., R. 4 E.

35 acres of the SW ¼ of SW ¼, Section 27, should be white.

T. 2 N., R 5 E.

South ½ of Section 28 should be red.

35 should be blue.

All south of river in Section 36 should be blue.

T. 3 N., R. 1 E.

10 acres in SE cor. of SW ¼ of NW ¼, Section 22, should be white.

20 acres north of Grand avenue in SE ¼ of SE ¼, Section 22, should be white.

5 acres in SE cor. of SE ¼ of NE ¼, Section 26, should be blue.

The south 15 acres of E ½ of NW ¼ of NE ¼, Section 33, colored blue on map, should be the south 15 acres of E ½ of NW ¼ of NW ¼ of Section 33.

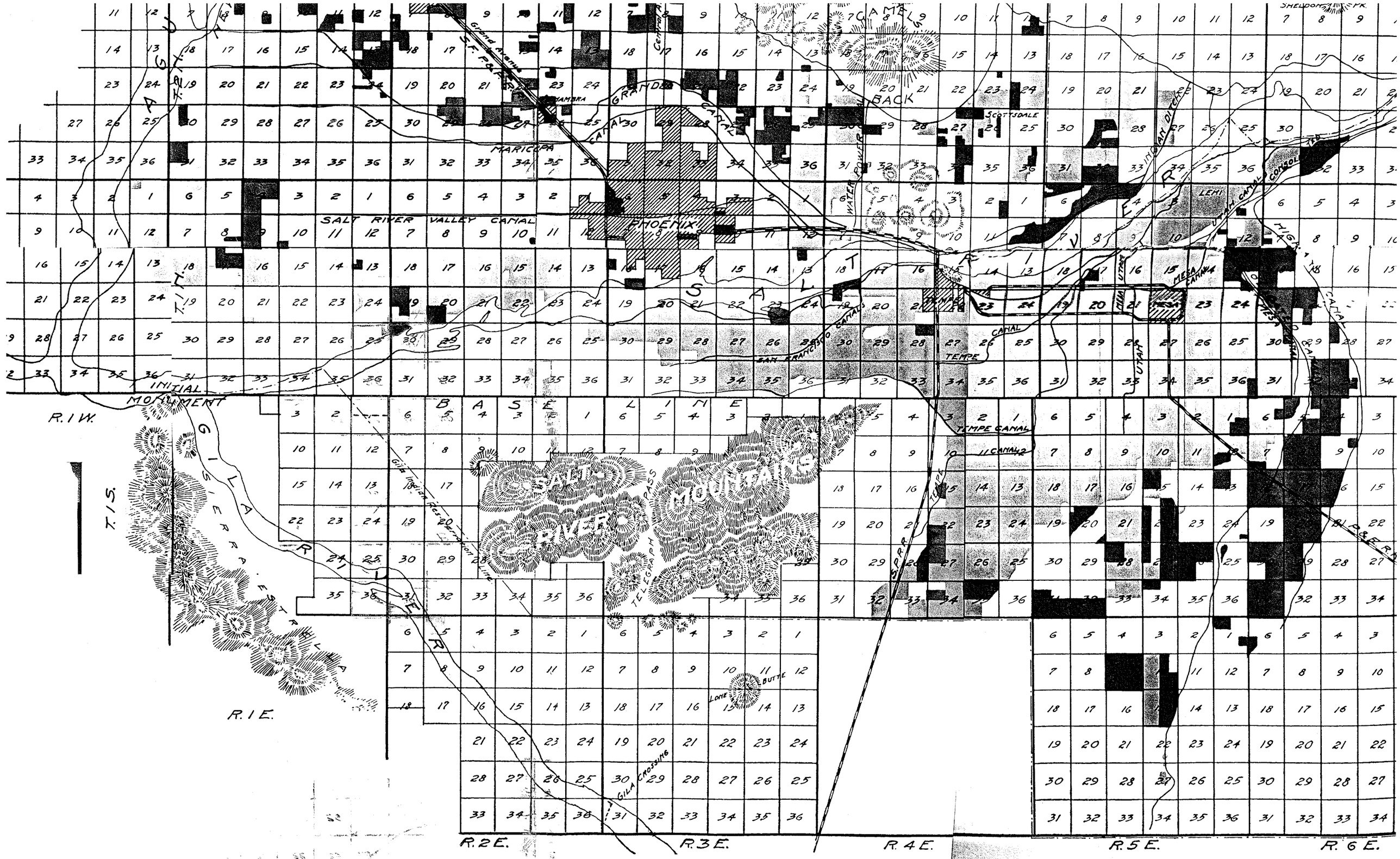
T. 1 S., R. 4 E.

15 acres in NW cor. of NE ¼. Section 25, should be red.

T. 1 S., R. 6 E.

10 acres in NE ¼ of SW ¼. Section 5, should be red.

40 acres in NW cor. of SW ¼, Section 21, should be red.


GILA AND SALT RIVER BASE LINE
GILA AND SALT RIVER MERIDIAN
T. 1 N.
T. 1 S.
R. 1 W.
R. 1 E.
R. 2 E.
R. 3 E.
R. 4 E.
R. 5 E.
R. 6 E.
INITIAL MONUMENT
SALT RIVER VALLEY CANAL
PHOENIX
MARICOPA
GRAND CANAL
CAMELBACK
SCOTTSDALE
TEMPE
MESA
LEHI
SHELDON PK.
WATER POWER
INDIAN DITCH
UTAH CANAL
CONSOL
TEMPE CANAL
SAN FRANCISCO CANAL
Grand Avenue
S.F.P.&P. R.R.
Central Ave.
Gila River Reservation Line
TELEGRAPH PASS
GILA CROSSING
LONE BUTTE
GILA MOUNTAINS
GILA SIERRA ESTRELLA
UTAH
HIGH
ROOSEVELT RD.