

IN THE UNITED STATES DISTRICT COURT
FOR THE DISTRICT OF NEW MEXICO

FILED
UNITED STATES DISTRICT COURT
DISTRICT OF NEW MEXICO

STATE OF NEW MEXICO ex rel.
State Engineer, and the
UNITED STATES OF AMERICA
and the PUEBLO OF TAOS,
as Intervenor

Plaintiffs,

v.

EDUARDO ABEYTA, et al.,

Defendants,

CELSO ARELLANO, et al.,

Defendants.

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Robert M. Marshall
CLERK-ALBUQUERQUE

FILE

No. CIV 7896-SC
Rio Pueblo de Taos

-and-
No. CIV 7939-SC
Rio Hondo
Consolidated

**UNITED STATES' REVISED STATEMENT OF CLAIM FOR WATER RIGHTS
OF TAOS PUEBLO FOR PAST AND PRESENT USES**

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**UNITED STATES' REVISED STATEMENT OF CLAIM FOR WATER RIGHTS
OF TAOS PUEBLO FOR PAST AND PRESENT USES**

Introduction

The United States of America, by and through its undersigned attorney, and in its capacity as trustee for the Pueblo of Taos, hereby submits its revised claim for water rights, based on past and present uses,¹ for that Pueblo. This claim is submitted pursuant to the Special Master's January 29, 1997 "Initial Pretrial Order on Taos Pueblo's Historic and Existing Use Water Rights," and the October 2, 1995 "Order on New Mexico's Motion to Compel Compliance With Pretrial Order" as modified by the July 25, 1996 "Order on Remand."

¹ This claim is submitted with the understanding that the United States will be permitted to state at a later date additional claims for water rights based on the future anticipated needs and uses of Taos Pueblo. In addition, the United States assumes that the Court does not intend to prohibit the United States, or the

The claim has two alternative fundamental bases: (a) sovereign ownership and use by Taos Pueblo of all the waters of the Rio Lucero and the Rio Pueblo de Taos for the benefit and enjoyment of the people of Taos Pueblo since prehistoric times; and (b) specific documented beneficial uses.² The beneficial use claim involves the following categories of water uses, each of which is more fully described within this document:

1. household, commercial and other municipal;
2. livestock and wild game;
3. agricultural and other irrigation
4. religious and ceremonial.

Under either fundamental basis, the claim is for waters reserved by the Pueblo in its capacity as a sovereign, whose prior and paramount right to the use of water bordering, or running through or under, its lands has never been extinguished by any other sovereign. The priority date for all of the Pueblo's rights is therefore aboriginal, or time immemorial.

Claim Based on Acknowledged Aboriginal Ownership

The United States claims, on behalf of Taos Pueblo, the entire flow of the Rio Pueblo de Taos and the Rio de Lucero, and all interrelated groundwater flows, within the boundary of the Indian country subject to Taos Pueblo's jurisdiction, excepting the one *surco* of surface water from the Rio de Lucero which was allotted to Arroyo Seco by

Pueblo, from making additional claims for past or present uses on any new lands which the Pueblo may acquire from time to time.

² The United States denies that the water rights that it may claim under federal law on behalf of Taos Pueblo are limited to only those rights recognized under the doctrine of beneficial use.

the December 30, 1823 *Repartimiento*.³ This claim represents pre-historic, historic and present uses, and other legally binding indicia of ownership..

The purposes of the water use are any deemed appropriate by the sovereign authorities of the Pueblo, including, but not limited to, irrigation of agricultural fields; household, commercial and other municipal or industrial use; religious and ceremonial consumptive and non-consumptive use; watering of livestock and wild game; support of fisheries; and maintenance of wetland and riparian areas and the species dependent thereon.

The location of use for the claimed right is any Indian country within the jurisdiction of Taos Pueblo. The United States claims on behalf of the Pueblo the right to divert waters by any appropriate means from the Rio de Lucero, the Rio Pueblo de Taos, or the interrelated groundwater, at any point within the Indian country subject to the Pueblo's jurisdiction.

As indicated previously, the priority date claimed for this right is aboriginal or time immemorial. The quantity is the entire flow of the Rio de Lucero and the Rio Pueblo de Taos and the interrelated groundwater to the boundary of the Indian country governed by Taos Pueblo, excepting the aforementioned *surco* to Arroyo Seco. For the Rio Pueblo de Taos, the right is for not less than 5,620 to 53,350 acre feet per year, with an average of 21,970 acre feet per year, measured at USGS gauge number 08269000. For the Rio de Lucero, the right is for not less than 7,200 to 33,800 acre feet per year, with an average of 16,300 acre feet per year, measured at USGS gauge number 08271000.

³ Report of the Ayuntamiento of Taos to the Governor of New Mexico (December 30, 1823), Spanish Archives of New Mexico I, no. 1297.

The claim is not, as some have characterized it, for an “expanding” right to use water. As of December 30, 1823, the Mexican judicial authority in Taos recognized the Pueblo’s exclusive and total ownership of all waters claimed herein. No expansion of that recognized right is sought or, excepting the *surco* allotted to Arroyo Seco – which is conceded, possible. The United States respectfully asks this Court to simply confirm the Pueblo’s pre-existing recognized right, as required by the Treaty of Guadalupe Hidalgo, 9 Stat. 922 (February 2, 1848).

Claim Based on Specified Beneficial Uses

This claim is stated in the alternative to the claim based on acknowledged aboriginal ownership, except to the extent it incorporates uses of water diverted from sources other than the Rio de Lucero or the Rio Pueblo de Taos. Details concerning the location and other identifying characteristics of each use claimed herein are provided in Bureau of Indian Affairs, Taos Pueblo Water Use Survey (July 1997) (“Water Use Survey”).⁴ All of the claims stated herein are for past or present uses. The United States denies that date of first use constitutes an element of any of the rights claimed herein or can affect the quantity of any of these rights. However, in accordance with the Special Master’s July 25, 1996 “Order on Remand,” the United States will make reasonable inquiry as to the date of first use and disclose such information as it possesses, or indicate for which rights date of first use has not been determined, on or before November 3, 1997.

⁴ Courtesy copies of the Water Use Survey have been provided to the Court and to counsel for the State of New Mexico. The document is also available for inspection and copying by appointment at the Bureau of Indian Affairs, Albuquerque Area Office, Branch of Regional Water Rights Protection, 3rd Floor, Plaza Maya Building, Albuquerque, New Mexico. Contact Christopher Banet, (505) 766-3167, to arrange inspection appointments. Upon request to the undersigned counsel for the United States, an additional copy will be made available at an agreed-upon and generally accessible location in Taos, New Mexico.

Household, Commercial and Other Municipal Uses

All of the claimed rights in this category are for diversions from groundwater. The Water Use Survey describes the following 163 household wells:

Inventory Number	Field Name
W-001	Carmen & Bob Histia
W-002	Tony B. Romero
W-003	Alfred Lujan
W-006	John Machorse
W-007	Andy Lujan
W-008	Lupe Romero & Paul Romero
W-009	Arthur & Judy Lujan
W-010	Bobby Lujan
W-013	Ruben Romero
W-014	David Gomez
W-015	Cruz Concha
W-016	Rose G. Romancito
W-017	Onesimo Cordova
W-018	John B. Archuleta
W-019	John Cruz Romero
W-020	Henry Gomez
W-021	Greg Pahoma
W-022	Gary Lujan
W-023	George Tanita Keybone
W-024	Kathy Romero
W-025	John Romero
W-026	Sam Archuleta
W-027	Delfino Coucha
W-028	Christine C. Romero
W-029	Christine C. Romero
W-030	John Sandoval
W-031	Phillip Sandoval
W-032	Louis Sandoval
W-033	Virginia Romero
W-034	James Lujan
W-035	Tom Lucero
W-036	Vince Lujan
W-037	Mary Jane Martinez
W-038	Esther Romero

Additional documents, including reports of consultants retained by the United States, supporting these claims will be finalized and made available in like manner by November 3, 1997.

W-039	Tony Gomez Jr.
W-040	John Rainer
W-041	Joseph Sunhawk Sandoval
W-042	Jerome Sandoval
W-043	Isabelle Reyna
W-044	Charlie Tsoodle
W-046	Ann Barlow
W-048	Don Espinosa
W-049	Stanley Espinosa
W-050	Angelino Romero
W-051	Tony Reyna
W-052	Anita Romero
W-053	Joe Lewis Mirabal
W-054	Rufina & Kathy Gomez
W-055	Gilbert Gomez
W-056	Ignacia R. Councha
W-057	David Lucero
W-058	Joseph Ortiz
W-059	Benny L Martinez
W-060	Ruben Romero, #2
W-061	Benito Romero
W-062	John Lujan
W-063	Helbert Lujan
W-064	Anita Lujan
W-065	Veronica Young
W-066	Tony Reyna, #2
W-067	Marcelino Suazo
W-068	Albert C. Martinez
W-069	Chris Lujan
W-070	Harold Cordova
W-071	Juan G. Lujan
W-073	Alejandro R. Lujan
W-074	Joseph Lujan
W-075	Lorencita Lujan
W-076	Luis Romero
W-077	Anthony Lujan
W-078	John Romero, #2
W-079	Ethel Holmes
W-080	Vincent Mondragon
W-081	Clyde Romero
W-082	Joseph Martinez
W-083	Patricia Murphy
W-084	Alfred Montoya

W-085	Rapheal Reyna
W-086	Joe Councha
W-087	John A. Mirabal
W-088	Peter Mcdonald
W-089	Joe Paul Councho
W-090	Senida Zamora
W-092	Nelson CORdova
W-093	Pat Trujillo & Son
W-094	Adam Trujillo & Grandson
W-095	Crusita Lujan
W-096	Raysita Cordova
W-097	Ethel Townsend
W-098	Robert And Charlotte Garcia
W-099	Lorenzo & Henrietta Romero
W-100	Christine Romero
W-101	Cruz J. Romero
W-102	Frank L. Lujan
W-103	Frank J. Lujan
W-104	Abe Trujillo
W-105	Margaret Trujillo
W-107	John D. Councha, #2
W-108	William Appa
W-109	Telisfore Reyna
W-110	Frank Mirabal, #2
W-111	Leandro Bernal
W-112	Jose Guadalupe Romero
W-113	Richard Archuleta
W-114	Santanita Romero
W-115	Mary Sandoval
W-116	Jerry Archuleta
W-117	Cruz Zamora
W-118	Ralph Sauzo
W-119	Tony Romero
W-120	Phillip Martinez
W-121	Avilino Martinez
W-122	Mary Martinez
W-123	Clarence Maribal
W-124	Fred C. Lujan
W-125	Santana Romero
W-126	Luis Bernal
W-127	Benito Romero, #2
W-128	Mrs. Ceasario Lujan
W-129	Michael Reyes Mirabal

W-130	Juanita C. Mirabal
W-131	Juanita C. Mirabal, #2
W-132	Tanita Harvier
W-133	John & Alvina Montoya
W-134	Joe A. Montoya
W-135	Mickey & Ramona Reyna
W-136	Tina & Ben H. Romero
W-137	Rose Pahuma & Anita Gala
W-138	Frank Romero
W-139	Tom Lujan
W-140	Elesio & Josephine Counccha
W-142	Henry Nelson Lujan
W-141	Isidro Mirabal
W-143	Lupita Concha
W-144	Jerry O. Lujan
W-145	Louis & Isabelle Martinez
W-146	Tony Duran
W-148	Sam M. Counccha
W-151	Paul J. Bernal
W-152	Julie Montoya
W-153	Joe C. Counccha
W-155	Laureano Romero
W-156	Crucita Mirabal
W-157	Patricia Hempton
W-158	Jerry Lujan
W-159	Juan G. Lujan, #2
W-160	Howard Mondragon
W-162	Jimmy Lujan
W-175	Cesario Lujan
W-176	Mrs. Frank Archuleta
W-177	Ralph Lucero
W-179	Behind Hospital
W-180	Rosarita Romero
W-206	David Gomez
W-207	Henry Lujan
W-208	Esther Toya
W-209	Leonard Lujan
W-210	Tony Bernal
W-211	Rafaelita Montoya
W-212	Cesario Gomez
W-213	Helen Romero
W-214	Roy Bernal
W-215	Lewis Bernal

The United States claims 3 acre-feet of diversion for each well. Using an overall efficiency of 70%, 2.1 acre-feet of depletion are claimed for each well. The additive totals of the claims for individual household wells are therefore 489 acre-feet of diversion and 342.3 acre-feet of depletion.

The Water Use Survey also describes 12 municipal wells. Four of these constitute a community water supply, and for them the following claim is made:

Inventory Number	Field Name	Diversion (a.f./y.)	Depletion (a.f./y.)	Use
W-011	Spider Rd. (W) Community Well	55.5	44.4	Municipal
W-012	Spider Rd. (E) Community Well	55.5	44.4	Municipal
W-147	#2	55.5	44.4	Municipal
W-150	#1	55.5	44.4	Municipal
Totals:		222	177.6	

The quantities claimed are based on the fact that there are 370 current hookups to this community water supply. The United States assumes each hookup is a household and, applying 1990 U.S. Census data indicating 2.97 persons per household, calculates 1099 persons are served by the supply. Allotting 78 gallons per capita per day, yields 96 acre-feet per year of indoor use. Based on the nature of the sewage system, 100% containment for sewage treatment, or 100% depletion of effluent through reuse, is assumed. Landscaping and garden use is assumed to be 3200 square feet (0.073 acres) per hookup, for a total of 27 acres total. Applying a calculated consumptive irrigation requirement of 1.96 acre-feet⁵ yields 52.9 acre-feet per year for total landscape and garden depletion and,

⁵ The details of this consumptive irrigation requirement calculation are provided in Memorandum Re: Taos Water Duty from A. Keller to C. Banet of July 29, 1997. This document is being made available in the same manner as the Water Use Survey, see footnote 4, supra.

thus, a total of 148 acre-feet per year delivered to hookups and depleted. Fire protection, system flushing and unaccounted for losses are estimated at 20% of household depletion, or 29.6 acre-feet per year, bringing the total system depletion to 177.6 acre-feet per year. The United States estimates over-all system efficiency to be 80%, resulting in a total diversion for the municipal system of 222 acre-feet per year. The total system diversion and depletion amounts are allocated equally to the four wells in the system.

There are 8 other municipal wells which have been used for office complexes, pow-wows and a school. The United States claims 3 acre-feet per year of both diversion and, based on an assumed efficiency of 70%, 2.1 acre feet per year of depletion for each of these wells:

Inventory Number	Field Name	Diversion (a.f./y.)	Depletion (a.f./y.)	Use
W-004	Taos Pueblo Forest Service	3	2.1	Municipal
W-005	Pueblo War Chief Complex	3	2.1	Municipal
W-091	Children's Art Center	3	2.1	Municipal
W-149	Community Fire Station, Jail	3	2.1	Municipal
W-161	Taos Elementary School	3	2.1	Municipal
W-173	Pow-Wow Well - BIA 4	3	2.1	Municipal
W-178	War Chief's Office	3	2.1	Municipal
W-205	Tribal Admin. Building	3	2.1	Municipal
Totals:		24	16.8	

Other wells are identified in the Water Use Survey as having "Observation" or "Exploratory" uses. The United States claims no specific quantities of water for these

wells at this time, but reserves its right to state claims utilizing these points of diversion when it makes its claims for future water uses on behalf of Taos Pueblo.

Livestock and Wild Game Uses

Groundwater

The Water Use Survey identifies 13 livestock wells:

Inventory Number	Field Name
W-045	Carpio Bernal
W-047	Frank Mirabal
W-072	Cesario Gomez
W-106	John D. Councha
W-154	Frank Marqus
W-163	Tract "B" Well, RWP-3
W-164	Tract "B" Well, RWP-4
W-165	Tract "A" Well, RWP-2
W-166	Tract "A" Well, RWP-1
W-167	Tract A Well, RWP-5
W-169	Tribal Well, RWP-6, BIA 3
W-174	Paul Bernal
W-183	Tract "B" Well

Further details concerning the location of each well can be found in the Water Use Survey.

The United States claims 3 acre-feet per year of diversion and depletion from each of these wells, for a total of 39 acre-feet per year of diversion and depletion for this use of groundwater.

Surface Water

The Water Use Survey identifies 150 impoundments of surface water used for livestock and wildgame purposes. The impoundments have been grouped into four

categories based on differences in the method of estimating diversion and depletion amounts for this claim.

Valley Reservoirs

Thirty eight valley reservoirs are described in the Water Use Survey. Each is located within the course of an arroyo. The water claimed for each valley reservoir is the entire arroyo flow at the location of the impoundment.

For accounting purposes, a quantity of water associated with each reservoir can be calculated. This quantity estimates the water captured and used annually for the purpose of maintaining a water surface in order to water livestock and wildlife. The table below shows this quantity of water for each reservoir. It was determined for each site by the following method: The quantity of water is equal to the water evaporated from the water surface at the reservoir plus the amount which seeps into the earth through the bed of the reservoir. In lieu of lengthy monitoring and analysis of each site, certain guidelines were used to estimate evaporation and seepage amounts. These guidelines are:

- Impounded water is assumed to fluctuate year-round such that the average water surface area of impounded water is one-half the maximum possible surface area.
- Seepage through the bed of the reservoir is equal to evaporation from the surface.
- Annual net evaporation is equal to 36 inches. This value is derived from Soil Conservation Service maps of Average Annual Precipitation

and Average Annual Gross Lake Evaporation for the State of New Mexico, prepared in 1972.

Inventory Number	Surface Area, acres	Depletion (a.f./y.)	Diversion (a.f./y.)
R-028	0.02	0.03	0.06
R-038	0.23	0.3	0.6
R-040	1.77	2.7	5.4
R-041	0.52	0.8	1.6
R-042	1.62	2.4	4.8
R-043	2.75	4.1	8.2
R-044	0.23	0.3	0.6
R-045	0.4	0.6	1.2
R-046	0.34	0.5	1
R-052	0.1	0.2	0.4
R-053	0.21	0.3	0.6
R-054	0.29	0.4	0.8
R-055	0.9	1.4	2.8
R-056	1.03	1.5	3
R-057	1.72	2.6	5.2
R-058	3.67	5.5	11
R-059	0.51	0.8	1.6
R-060	0.69	1	2
R-061	3.1	4.7	9.4
R-062	0.63	0.9	1.8
R-063	0.46	0.7	1.4
R-065	0.2	0.3	0.6
R-066	0.44	0.7	1.4
R-067	0.45	0.7	1.4
R-068	0.23	0.3	0.6
R-069	1.09	1.6	3.2
R-070	0.52	0.8	1.6
R-071	0.86	1.3	2.6
R-072	0.06	0.1	0.2
R-073	0.24	0.4	0.8
R-074	0.17	0.3	0.6
R-075	0.11	0.2	0.4
R-076	0.06	0.1	0.2
R-079	0.52	0.8	1.6
R-131	0.46	0.7	1.4
R-133	0.06	0.1	0.2
R-134	0.42	0.6	1.2

R-150	2.4	3.6	7.2
Totals:	29.48	44.33	88.66

Further information concerning the location of each reservoir is provided by the Water Use Survey.

For valley reservoirs used for livestock and wildlife watering purposes, the United States claims the entire arroyo flow at each reservoir listed above. For accounting purposes, the claim based on these water uses is for 44.33 acre feet per year of depletion and 88.66 acre feet per year of diversion.

Mountain Reservoirs

The Water Use Survey identifies 5 mountain reservoirs. As with the valley reservoirs, the water claimed for each mountain reservoir is the entire arroyo flow at each reservoir. The estimated diversion and depletion amounts for accounting purposes are based on the same assumptions stated supra at 12 for valley reservoirs, except that the amount used for annual net evaporation is 5 inches and the average surface water area is assumed to be three quarters of the maximum possible surface area.

Inventory Number	Surface Area, acres	Depletion (a.f./y.)	Diversion (a.f./y.)
R-092	0.02	0.01	0.02
R-093	0.18	0.1	0.2
R-094	0.79	0.2	0.4
R-095	0.51	0.2	0.4
R-096	0.02	0.01	0.02
Totals:	1.52	0.52	1.04

Further information concerning the location of these reservoirs is provided by the Water Use Survey.

For mountain reservoirs used for livestock and wildlife watering purposes, the United States claims the entire arroyo flow at each reservoir listed above. For accounting purposes, the claim based on these water uses is for .52 acre feet per year of depletion and 1.04 acre feet per year of diversion.

Mountain Lakes

The United States claims on behalf of Taos Pueblo the right to divert and deplete for purposes of livestock and wildlife watering the indicated amounts for mountain lakes listed in the following table:

Inventory Number	Surface Area, acres	Depletion (a.f./y.)	Diversion (a.f./y.)
L-064	0.09	0.04	0.08
L-077	0.17	0.1	0.2
L-078	0.1	0.04	0.08
L-097	10.56	4.4	8.8
L-098	2.98	1.2	2.4
L-099	4.59	1.9	3.8
L-100	5.96	2.5	5
L-101	0.92	0.4	0.8
L-102	4.13	1.7	3.4
L-103	1.6	0.7	1.4
L-104	2.98	1.2	2.4
L-105	0.69	0.3	0.6
L-106	0.46	0.2	0.4
L-107	0.46	0.2	0.4
L-108	0.34	0.1	0.2
L-109	0.34	0.1	0.2
L-110	0.46	0.2	0.4
L-111	0.69	0.3	0.6
L-112	0.46	0.2	0.4
L-113	0.34	0.1	0.2
L-114	0.92	0.4	0.8
L-118	0.02	0.01	0.02
L-145	0.25	0.1	0.2
L-146	0.2	0.1	0.2
L-147	0.15	0.1	0.2

L-148	0.2	0.1	0.2
L-149	0.15	0.1	0.2
Totals:	40.21	16.79	33.58

Further information concerning the location of these lakes is provided by the Water Use Survey. The estimated diversion and depletion amounts claimed are based on the same assumptions stated supra at 12 for valley reservoirs, except that the amount used for annual net evaporation is 5 inches and the lakes are assumed to be full to their maximum capacity throughout the year. Furthermore, because the lakes usually do not capture the entire stream flow reaching them, the amounts stated in the table above constitute the actual claims for these uses, rather than amounts provided for accounting purposes only

Valley ponds

The United States claims on behalf of Taos Pueblo the right to divert and deplete for purposes of livestock and wildlife watering the indicated amounts for ponds listed in the following table:

Inventory Number	Surface Area, acres	Depletion (a.f./y.)	Diversion (a.f./y.)
P-001	0.15	0.3	0.6
P-002	0.06	0.1	0.2
P-003	0.01	0.02	0.04
P-004	0.14	0.3	0.6
P-005	0.77	1.7	3.4
P-006	0.03	0.1	0.2
P-007	0.23	0.5	1
P-008	0.17	0.4	0.8
P-009	0.28	0.6	1.2
P-010	0.3	0.7	1.4
P-011	0.08	0.2	0.4
P-012	0.17	0.4	0.8
P-013	0.25	0.6	1.2

P-014	0.47	1.1	2.2
P-015	0.13	0.3	0.6
P-016	0.25	0.6	1.2
P-017	0.02	0.05	0.1
P-018	0.5	1.1	2.2
P-019	0.01	0.02	0.04
P-020	0.05	0.1	0.2
P-021	0.01	0.02	0.04
P-022	0.19	0.4	0.8
P-023	0.55	1.2	2.4
P-024	0.2	0.5	1
P-025	0.02	0.05	0.1
P-026	0.01	0.02	0.04
P-027	0.52	1.2	2.4
P-029	0.15	0.3	0.6
P-030	0.01	0.02	0.04
P-031	0.65	1.5	3
P-032	0.69	1.6	3.2
P-033	0.02	0.05	0.1
P-034	0.13	0.3	0.6
P-035	0.06	0.1	0.2
P-036	0.08	0.2	0.4
P-037	0.25	0.6	1.2
P-039	0.4	0.9	1.8
P-047	0.55	1.2	2.4
P-048	0.02	0.05	0.1
P-049	0.23	0.5	1
P-050	0.01	0.02	0.04
P-051	0.01	0.02	0.04
P-080	1.01	2.3	4.6
P-081	2.41	5.4	10.8
P-082	1.38	3.1	6.2
P-083	0.46	1	2
P-084	0.02	0.05	0.1
P-085	0.01	0.02	0.04
P-086	0.03	0.1	0.2
P-087	0.07	0.2	0.4
P-088	0.02	0.05	0.1
P-089	0.01	0.02	0.04
P-090	0.01	0.02	0.04
P-091	1.38	3.1	6.2
P-115	0.03	0.1	0.2
P-116	0.02	0.05	0.1

P-117	0.03	0.1	0.2
P-119	0.02	0.05	0.1
P-120	0.02	0.05	0.1
P-121	0.29	0.7	1.4
P-122	0.06	0.1	0.2
P-123	0.06	0.1	0.2
P-124	0.52	1.2	2.4
P-125	0.09	0.2	0.4
P-126	0.09	0.2	0.4
P-127	0.23	0.5	1
P-128	0.02	0.05	0.1
P-129	0.01	0.02	0.04
P-130	0.01	0.02	0.04
P-132	0.16	0.4	0.8
P-135	0.01	0.02	0.04
P-136	0.01	0.02	0.04
P-137	0.03	0.1	0.2
P-138	0.02	0.05	0.1
P-139	0.01	0.02	0.04
P-140	0.03	0.1	0.2
P-141	0.06	0.1	0.2
P-142	0.02	0.05	0.1
P-143	0.01	0.02	0.04
P-144	0.01	0.02	0.04
Totals:	17.51	39.64	79.28

Further information concerning the location of these ponds is provided by the Water Use Survey. The estimated diversion and depletion amounts claimed are based on the same assumptions stated supra at 12 for valley reservoirs, except that the ponds average surface water area is assumed to be 75% of their maximum possible surface area because the ponds are served by ditches. In addition, because the ponds are not located in natural water courses, the amounts stated in the table above constitute the actual claims for these uses, rather than amounts provided for accounting purposes only.

Agricultural and Other Irrigation Uses

Twentieth Century Irrigation

Based on available evidence from sources (including aerial photo interpretation and records of the Pueblo Land Board) dated in this century, the United States claims on behalf of Taos Pueblo the indicated diversion and depletion quantities for the parcels listed in the following table:

Map	Tract #	Acres	Source	Ditch	Depletion (a.f./y.)	Diversion (a.f./y.)
TP-1	1	17.20	Rio Lucero	Tenorio	41.28	96.15
TP-1	2	1.90	Rio Lucero	Tenorio	4.56	10.62
TP-1	3	2.30	Rio Lucero	Tenorio	5.52	12.86
TP-1	4	3.80	Rio Lucero	Tenorio	9.12	21.24
TP-1	5	7.20	Rio Lucero	Tenorio	17.28	40.25
TP-1	6	8.45	Rio Lucero	Tenorio	20.28	47.24
TP-1	7	1.60	Rio Lucero	Tenorio	3.84	8.94
TP-1	8	1.30	Rio Lucero	Tenorio	3.12	7.27
TP-1	9	11.50	Rio Lucero	Tenorio	27.60	64.29
TP-1	10	5.40	Rio Lucero	Tenorio	12.96	30.19
TP-1	11	3.30	Rio Lucero	Tenorio	7.92	18.45
TP-1	12	2.15	Rio Lucero	Tenorio	5.16	12.02
TP-1	13	11.00	Rio Lucero	Tenorio	26.40	61.49
TP-1	14	9.25	Rio Lucero	Tenorio	22.20	51.71
TP-1	15	5.25	Rio Lucero	Tenorio	12.60	29.35
TP-1	16	10.90	Rio Lucero	Tenorio	26.16	60.93
TP-1	17	5.60	Rio Lucero	Tenorio	13.44	31.30
TP-1	18	4.00	Rio Lucero	Tenorio	9.60	22.36
TP-1	19	3.70	Rio Lucero	Tenorio	8.88	20.68
TP-1	20	1.40	Rio Lucero	Tenorio	3.36	7.83
TP-1	21	1.00	Rio Lucero	Tenorio	2.40	5.59
TP-1	22	5.35	Rio Lucero	Tenorio	12.84	29.91
TP-1	23	1.70	Rio Lucero	Tenorio	4.08	9.50
TP-1	24	7.90	Rio Lucero	Tenorio	18.96	44.16
TP-1	25	3.85	Rio Lucero	Tenorio	9.24	21.52
TP-1	26	10.00	Rio Lucero	Tenorio	24.00	55.90
TP-1	27	2.90	Rio Lucero	Tenorio	6.96	16.21
TP-1	28	7.35	Rio Lucero	Tenorio	17.64	41.09
TP-1	29	3.25	Rio Lucero	Tenorio	7.80	18.17

TP-1	30	3.00	Rio Lucero	Tenorio	7.20	16.77
TP-1	31	4.95	Rio Lucero	Tenorio	11.88	27.67
TP-1	32	2.70	Rio Lucero	Tenorio	6.48	15.09
TP-1	33	2.80	Rio Lucero	Tenorio	6.72	15.65
TP-1	34	4.80	Rio Lucero	Tenorio	11.52	26.83
TP-1	35	1.10	Rio Lucero	Tenorio	2.64	6.15
TP-1	36	6.25	Rio Lucero	Tenorio	15.00	34.94
TP-1	37	1.85	Rio Lucero	Tenorio	4.44	10.34
TP-1	38	15.90	Rio Lucero	Tenorio	38.16	88.88
TP-1	39	5.35	Rio Lucero	Tenorio	12.84	29.91
TP-1	40	1.10	Rio Lucero	Tenorio	2.64	6.15
TP-1	41	7.00	Rio Lucero	Tenorio	16.80	39.13
TP-1	42	2.65	Rio Lucero	Tenorio	6.36	14.81
TP-1	43	41.90	Rio Lucero	Tenorio	100.56	234.22
TP-1	44	2.00	Rio Lucero	Tenorio	4.80	11.18
TP-1	45	0.50	Rio Lucero	Tenorio	1.20	2.80
TP-1	46	1.00	Rio Lucero	Tenorio	2.40	5.59
TP-1	47	4.70	Rio Lucero	Tenorio	11.28	26.27
TP-1	48	45.75	Rio Lucero	Tenorio	109.80	255.74
TP-1	49	6.25	Rio Lucero	Tenorio	15.00	34.94
TP-1	50	12.70	Rio Lucero	Tenorio	30.48	70.99
TP-1	51	1.00	Rio Lucero	Tenorio	2.40	5.59
TP-1	53	0.80	Rio Lucero	Tenorio	1.92	4.47
TP-1	54	0.70	Rio Lucero	Tenorio	1.68	3.91
TP-1	56	8.65	Rio Lucero	Tenorio	20.76	48.35
TP-1	57	21.00	Rio Lucero	Tenorio	50.40	117.39
TP-1	58	7.85	Rio Lucero	Tenorio	18.84	43.88
TP-1	59	2.70	Rio Lucero	Tenorio	6.48	15.09
TP-1	60	3.75	Rio Lucero	Tenorio	9.00	20.96
TP-1	61	1.05	Rio Lucero	Tenorio	2.52	5.87
TP-1	62	12.20	Rio Lucero	Tenorio	29.28	68.20
TP-1	63	11.00	Rio Lucero	Tenorio	26.40	61.49
TP-1	64	1.10	Rio Lucero	Tenorio	2.64	6.15
TP-1	65	8.10	Rio Lucero	Tenorio	19.44	45.28
TP-1	66	6.10	Rio Lucero	Tenorio	14.64	34.10
TP-1	67	7.30	Rio Lucero	Tenorio	17.52	40.81
TP-1	68	2.30	Rio Lucero	Tenorio	5.52	12.86
TP-1	69	5.05	Rio Lucero	Tenorio	12.12	28.23
TP-1	70	13.95	Rio Lucero	Tenorio	33.48	77.98
TP-1	71	4.20	Rio Lucero	Tenorio	10.08	23.48
TP-1	72	11.85	Rio Lucero	Tenorio	28.44	66.24
TP-1	73	10.50	Rio Lucero	Tenorio	25.20	58.70
TP-1	74	18.15	Rio Lucero	Tenorio	43.56	101.46

TP-1	75	6.90	Rio Lucero	Tenorio	16.56	38.57
TP-1	76	3.50	Rio Lucero	Tenorio	8.40	19.57
TP-1	77	7.65	Rio Lucero	Tenorio	18.36	42.76
TP-1	78	8.20	Rio Lucero	Tenorio	19.68	45.84
TP-1	79	2.50	Rio Lucero	Tenorio	6.00	13.98
TP-1	80	20.60	Rio Lucero	Tenorio	49.44	115.15
TP-1	81	7.30	Rio Lucero	Tenorio	17.52	40.81
TP-1	82	1.35	Rio Lucero	Tenorio	3.24	7.55
TP-1	83	0.70	Rio Lucero	Tenorio	1.68	3.91
TP-1	84	0.45	Rio Lucero	Tenorio	1.08	2.52
TP-1	85	1.10	Rio Lucero	Tenorio	2.64	6.15
TP-1	86	1.10	Rio Lucero	Tenorio	2.64	6.15
TP-1	87	0.25	Rio Lucero	Tenorio	0.60	1.40
TP-1	88	0.50	Rio Lucero	Tenorio	1.20	2.80
TP-1	89	1.65	Rio Lucero	Tenorio	3.96	9.22
TP-1	90	0.25	Rio Lucero	Tenorio	0.60	1.40
TP-1	91	0.20	Rio Lucero	Tenorio	0.48	1.12
TP-1	92	0.20	Rio Lucero	Tenorio	0.48	1.12
TP-1	93	0.10	Rio Lucero	Tenorio	0.24	0.56
TP-1	94	2.25	Rio Lucero	Tenorio	5.40	12.58
TP-1	95	5.05	Rio Lucero	Tenorio	12.12	28.23
TP-1	96	0.75	Rio Lucero	Tenorio	1.80	4.19
TP-1	97	0.50	Rio Lucero	Tenorio	1.20	2.80
TP-1	98	7.35	Arroyo Seco	Concho	17.64	41.09
TP-1	99	7.00	Arroyo Seco	Concho	16.80	39.13
TP-1	100	4.90	Arroyo Seco	Concho	11.76	27.39
TP-1	101	11.90	Arroyo Seco	Concho	28.56	66.52
TP-1	102	10.50	Arroyo Seco	Concho	25.20	58.70
TP-2	1	1.10	Rio Lucero	Tenorio	2.64	6.15
TP-2	2	1.90	Rio Lucero	Tenorio	4.56	10.62
TP-2	3	3.00	Rio Lucero	Tenorio	7.20	16.77
TP-2	4	3.55	Rio Lucero	Tenorio	8.52	19.84
TP-2	5	3.75	Rio Lucero	Tenorio	9.00	20.96
TP-2	6	1.30	Rio Lucero	Tenorio	3.12	7.27
TP-2	7	4.00	Rio Lucero	Tenorio	9.60	22.36
TP-2	8	3.25	Rio Lucero	Tenorio	7.80	18.17
TP-2	9	4.00	Rio Lucero	Tenorio	9.60	22.36
TP-2	10	1.00	Rio Lucero	Tenorio	2.40	5.59
TP-2	11	2.00	Rio Lucero	Tenorio	4.80	11.18
TP-2	13	3.50	Rio Lucero	Tenorio	8.40	19.57
TP-2	14	8.65	Rio Lucero	Tenorio	20.76	48.35
TP-2	16	16.10	Rio Lucero	Tenorio	38.64	90.00
TP-2	17	3.15	Rio Lucero	Tenorio	7.56	17.61

TP-2	18	2.35	Rio Lucero	Tenorio	5.64	13.14
TP-2	19	2.65	Rio Lucero	Tenorio	6.36	14.81
TP-2	20	3.25	Rio Lucero	Tenorio	7.80	18.17
TP-2	21	6.05	Rio Lucero	Tenorio	14.52	33.82
TP-2	22	7.75	Rio Lucero	Tenorio	18.60	43.32
TP-2	23	6.35	Rio Lucero	Tenorio	15.24	35.50
TP-2	24	6.15	Rio Lucero	Tenorio	14.76	34.38
TP-2	25	9.90	Rio Lucero	Tenorio	23.76	55.34
TP-2	26	0.75	Rio Lucero	Tenorio	1.80	4.19
TP-2	27	1.60	Rio Lucero	Tenorio	3.84	8.94
TP-2	28	10.95	Rio Lucero	Tenorio	26.28	61.21
TP-2	29	3.65	Rio Lucero	Tenorio	8.76	20.40
TP-2	30	8.65	Rio Lucero	Tenorio	20.76	48.35
TP-2	31	4.00	Rio Lucero	Tenorio	9.60	22.36
TP-2	32	3.40	Rio Lucero	Tenorio	8.16	19.01
TP-2	33	10.00	Rio Lucero	Tenorio	24.00	55.90
TP-2	34	7.95	Rio Lucero	Tenorio	19.08	44.44
TP-2	35	5.95	Rio Lucero	Tenorio	14.28	33.26
TP-2	36	11.70	Rio Lucero	Tenorio	28.08	65.40
TP-2	37	7.65	Rio Lucero	Tenorio	18.36	42.76
TP-2	38	4.20	Rio Lucero	Tenorio	10.08	23.48
TP-2	39	6.50	Rio Lucero	Tenorio	15.60	36.34
TP-2	40	6.55	Rio Lucero	Tenorio	15.72	36.61
TP-2	41	8.35	Rio Lucero	Tenorio	20.04	46.68
TP-2	42	1.65	Rio Lucero	Tenorio	3.96	9.22
TP-2	43	17.90	Rio Lucero	Tenorio	42.96	100.06
TP-2	44	5.05	Rio Lucero	Tenorio	12.12	28.23
TP-2	45	10.00	Rio Lucero	Tenorio	24.00	55.90
TP-2	46	3.40	Rio Lucero	Tenorio	8.16	19.01
TP-2	47	3.25	Rio Lucero	Tenorio	7.80	18.17
TP-2	48	1.10	Rio Lucero	Tenorio	2.64	6.15
TP-2	49	4.50	Rio Lucero	Tenorio	10.80	25.16
TP-2	50	0.75	Rio Lucero	Tenorio	1.80	4.19
TP-2	51	3.40	Rio Lucero	Tenorio	8.16	19.01
TP-2	52	10.75	Rio Lucero	Tenorio	25.80	60.09
TP-2	53	2.00	Rio Lucero	Tenorio	4.80	11.18
TP-2	54	3.80	Rio Lucero	Tenorio	9.12	21.24
TP-2	55	7.50	Rio Lucero	Tenorio	18.00	41.93
TP-2	56	11.30	Rio Lucero	Tenorio	27.12	63.17
TP-2	57	11.30	Rio Lucero	Tenorio	27.12	63.17
TP-2	58	5.00	Rio Lucero	Tenorio	12.00	27.95
TP-2	59	5.75	Rio Lucero	Tenorio	13.80	32.14
TP-2	60	11.45	Rio Lucero	Tenorio	27.48	64.01

TP-2	61	2.05	Rio Lucero	Tenorio	4.92	11.46
TP-2	62	2.65	Rio Lucero	Tenorio	6.36	14.81
TP-2	63	3.90	Rio Lucero	Tenorio	9.36	21.80
TP-2	64	2.90	Rio Lucero	Tenorio	6.96	16.21
TP-2	65	9.80	Rio Lucero	Tenorio	23.52	54.78
TP-2	66	2.05	Rio Lucero	Tenorio	4.92	11.46
TP-2	67	8.80	Rio Lucero	Tenorio	21.12	49.19
TP-2	68	8.30	Rio Lucero	Tenorio	19.92	46.40
TP-2	69	25.70	Rio Lucero	Tenorio	61.68	143.66
TP-2	70	4.60	Rio Lucero	Tenorio	11.04	25.71
TP-2	71	7.40	Rio Lucero	Tenorio	17.76	41.37
TP-2	72	7.90	Rio Lucero	Tenorio	18.96	44.16
TP-2	73	6.15	Rio Lucero	Tenorio	14.76	34.38
TP-2	74	3.90	Rio Lucero	Tenorio	9.36	21.80
TP-2	75	5.75	Rio Lucero	Tenorio	13.80	32.14
TP-2	76	1.25	Rio Lucero	Tenorio	3.00	6.99
TP-2	77	1.75	Rio Lucero	Tenorio	4.20	9.78
TP-2	78	8.50	Rio Lucero	Tenorio	20.40	47.52
TP-2	79	5.15	Rio Lucero	Tenorio	12.36	28.79
TP-2	80	5.75	Rio Lucero	Tenorio	13.80	32.14
TP-2	81	4.10	Rio Lucero	Tenorio	9.84	22.92
TP-2	82	1.45	Rio Lucero	Tenorio	3.48	8.11
TP-2	83	7.35	Rio Lucero	Tenorio	17.64	41.09
TP-2	84	0.20	Rio Lucero	Tenorio	0.48	1.12
TP-2	85	3.50	Rio Lucero	Tenorio	8.40	19.57
TP-2	86	0.50	Rio Lucero	Tenorio	1.20	2.80
TP-2	87	6.35	Rio Lucero	Tenorio	15.24	35.50
TP-2	88	5.05	Rio Lucero	Tenorio	12.12	28.23
TP-2	90	6.50	Rio Lucero	Tenorio	15.60	36.34
TP-2	91	0.60	Rio Lucero	Tenorio	1.44	3.35
TP-2	92	4.25	Rio Lucero	Tenorio	10.20	23.76
TP-2	93	0.20	Rio Lucero	Tenorio	0.48	1.12
TP-2	94	0.15	Rio Lucero	Tenorio	0.36	0.84
TP-3	1	2.75	Rio Lucero	Indian	6.60	15.37
TP-3	2	3.70	Rio Lucero	Indian	8.88	20.68
TP-3	3	21.75	Rio Lucero	Indian	52.20	121.58
TP-3	4	5.20	Rio Lucero	Indian	12.48	29.07
TP-3	5	6.20	Rio Lucero	Indian	14.88	34.66
TP-3	6	8.65	Rio Lucero	Indian	20.76	48.35
TP-3	7	10.80	Rio Lucero	Indian	25.92	60.37
TP-3	8	5.50	Rio Lucero	Indian	13.20	30.75
TP-3	9	8.05	Rio Lucero	Indian	19.32	45.00
TP-3	10	2.50	Rio Lucero	Indian	6.00	13.98

TP-3	11	6.70	Rio Lucero	Indian	16.08	37.45
TP-3	12	7.65	Rio Lucero	Indian	18.36	42.76
TP-3	13	2.75	Rio Lucero	Indian	6.60	15.37
TP-3	14	9.40	Rio Lucero	Indian	22.56	52.55
TP-3	15	6.25	Rio Lucero	Indian	15.00	34.94
TP-3	16	1.00	Rio Lucero	Indian	2.40	5.59
TP-3	17	5.60	Rio Lucero	Indian	13.44	31.30
TP-3	18	0.80	Rio Lucero	Indian	1.92	4.47
TP-3	19	2.30	Rio Lucero	Indian	5.52	12.86
TP-3	20	0.80	Rio Lucero	Indian	1.92	4.47
TP-3	21	0.25	Rio Lucero	Indian	0.60	1.40
TP-3	22	0.25	Rio Lucero	Indian	0.60	1.40
TP-4	1	8.50	Rio Lucero	Tenorio	20.40	47.52
TP-4	2	10.90	Rio Lucero	Tenorio	26.16	60.93
TP-4	3	3.50	Rio Lucero	Tenorio	8.40	19.57
TP-4	4	15.15	Rio Lucero	Tenorio	36.36	84.69
TP-4	5	17.50	Rio Lucero	Tenorio	42.00	97.83
TP-4	6	16.40	Rio Lucero	Tenorio	39.36	91.68
TP-4	7	9.30	Rio Lucero	Tenorio	22.32	51.99
TP-4	8	4.30	Rio Lucero	Tenorio	10.32	24.04
TP-4	9	4.50	Rio Lucero	Tenorio	10.80	25.16
TP-4	10	4.65	Rio Lucero	Tenorio	11.16	25.99
TP-4	11	4.50	Rio Lucero	Tenorio	10.80	25.16
TP-4	12	7.35	Rio Lucero	Tenorio	17.64	41.09
TP-4	13	16.00	Rio Lucero	Tenorio	38.40	89.44
TP-4	14	16.50	Rio Lucero	Tenorio	39.60	92.24
TP-4	15	20.90	Rio Lucero	Tenorio	50.16	116.83
TP-4	16	16.40	Rio Lucero	Tenorio	39.36	91.68
TP-4	17	22.70	Rio Lucero	Tenorio	54.48	126.89
TP-4	18	12.50	Rio Lucero	Tenorio	30.00	69.88
TP-4	19	4.75	Rio Lucero	Tenorio	11.40	26.55
TP-4	20	3.20	Rio Lucero	Tenorio	7.68	17.89
TP-4	21	2.60	Rio Lucero	Tenorio	6.24	14.53
TP-4	22	2.90	Rio Lucero	Tenorio	6.96	16.21
TP-4	23	5.90	Rio Lucero	Tenorio	14.16	32.98
TP-4	24	5.95	Rio Lucero	Tenorio	14.28	33.26
TP-4	25	2.40	Rio Lucero	Tenorio	5.76	13.42
TP-4	26	9.00	Rio Lucero	Tenorio	21.60	50.31
TP-4	27	16.10	Rio Lucero	Tenorio	38.64	90.00
TP-4	28	7.75	Rio Lucero	Tenorio	18.60	43.32
TP-4	29	0.40	Rio Lucero	Tenorio	0.96	2.24
TP-4	30	1.20	Rio Lucero	Tenorio	2.88	6.71
TP-4	31	1.30	Rio Lucero	Tenorio	3.12	7.27

TP-5	1	6.65	Rio Lucero	Indian	15.96	37.17
TP-5	2	1.50	Rio Lucero	Indian	3.60	8.39
TP-5	3	4.75	Rio Lucero	Indian	11.40	26.55
TP-5	4	3.45	Rio Lucero	Indian	8.28	19.29
TP-5	5	0.80	Rio Lucero	Indian	1.92	4.47
TP-5	6	0.35	Rio Lucero	Indian	0.84	1.96
TP-5	7	4.65	Rio Lucero	Indian	11.16	25.99
TP-5	8	2.60	Rio Lucero	Indian	6.24	14.53
TP-5	9	17.50	Rio Lucero	Indian	42.00	97.83
TP-5	10	1.00	Rio Lucero	Indian	2.40	5.59
TP-5	11	6.20	Rio Lucero	Indian	14.88	34.66
TP-5	12	5.90	Rio Lucero	Indian	14.16	32.98
TP-5	13	2.90	Rio Lucero	Indian	6.96	16.21
TP-5	14	3.10	Rio Lucero	Indian	7.44	17.33
TP-5	15	0.75	Rio Lucero	Indian	1.80	4.19
TP-5	16	6.10	Rio Lucero	Indian	14.64	34.10
TP-5	17	1.50	Rio Lucero	Indian	3.60	8.39
TP-5	18	5.65	Rio Lucero	Indian	13.56	31.58
TP-5	19	3.95	Rio Lucero	Indian	9.48	22.08
TP-5	21	1.40	Rio Lucero	Indian	3.36	7.83
TP-5	23	11.65	Rio Lucero	Indian	27.96	65.12
TP-5	24	4.60	Rio Lucero	Indian	11.04	25.71
TP-5	25	3.00	Rio Lucero	Indian	7.20	16.77
TP-5	26	3.65	Rio Lucero	Indian	8.76	20.40
TP-5	27	1.90	Rio Lucero	Indian	4.56	10.62
TP-5	28	1.50	Rio Lucero	Indian	3.60	8.39
TP-5	29	9.10	Rio Lucero	Indian	21.84	50.87
TP-5	30	0.55	Rio Lucero	Indian	1.32	3.07
TP-5	31	5.60	Rio Lucero	Indian	13.44	31.30
TP-5	32	0.90	Rio Lucero	1908	2.16	5.03
TP-5	33	0.40	Rio Lucero	1908	0.96	2.24
TP-5	34	0.75	Rio Lucero	1908	1.80	4.19
TP-5	35	1.05	Rio Lucero	1908	2.52	5.87
TP-5	36	1.85	Rio Lucero	1908	4.44	10.34
TP-5	37	2.35	Rio Lucero	1908	5.64	13.14
TP-5	38	2.00	Rio Lucero	1908	4.80	11.18
TP-5	39	5.80	Rio Lucero	1908	13.92	32.42
TP-5	40	0.85	Rio Lucero	1908	2.04	4.75
TP-5	41	1.60	Rio Lucero	1908	3.84	8.94
TP-5	42	1.70	Rio Lucero	1908	4.08	9.50
TP-5	43	3.15	Rio Lucero	1908	7.56	17.61
TP-5	44	0.45	Rio Lucero	1908	1.08	2.52
TP-5	45	0.20	Rio Lucero	1908	0.48	1.12

TP-5	46	0.35	Rio Lucero	1908	0.84	1.96
TP-5	47	3.35	Rio Lucero	1908	8.04	18.73
TP-5	48	4.15	Rio Lucero	1908	9.96	23.20
TP-5	49	0.65	Rio Lucero	1908	1.56	3.63
TP-5	50	1.55	Rio Lucero	1908	3.72	8.66
TP-5	51	4.80	Rio Lucero	1908	11.52	26.83
TP-5	52	5.40	Rio Lucero	1908	12.96	30.19
TP-5	53	0.10	Rio Lucero	1908	0.24	0.56
TP-5	54	0.40	Rio Lucero	1908	0.96	2.24
TP-5	55	0.60	Rio Lucero	1908	1.44	3.35
TP-5	56	0.85	Rio Lucero	1908	2.04	4.75
TP-6	1	9.70	Rio Lucero	Tenorio	23.28	54.22
TP-6	2	26.40	Rio Lucero	Tenorio	63.36	147.58
TP-6	3	8.10	Rio Lucero	Tenorio	19.44	45.28
TP-6	4	21.60	Rio Lucero	Tenorio	51.84	120.74
TP-6	5	16.20	Rio Lucero	Tenorio	38.88	90.56
TP-6	6	1.60	Rio Lucero	Tenorio	3.84	8.94
TP-6	7	1.20	Rio Lucero	Tenorio	2.88	6.71
TP-6	8	5.65	Rio Lucero	Tenorio	13.56	31.58
TP-6	9	1.40	Rio Lucero	Tenorio	3.36	7.83
TP-6	10	0.10	Rio Lucero	Tenorio	0.24	0.56
TP-6	11	1.30	Rio Lucero	1908	3.12	7.27
TP-6	12	6.30	Rio Lucero	1908	15.12	35.22
TP-6	13	6.60	Rio Lucero	1908	15.84	36.89
TP-6	14	7.10	Rio Lucero	1908	17.04	39.69
TP-6	15	3.05	Rio Lucero	1908	7.32	17.05
TP-6	16	4.00	Rio Lucero	1908	9.60	22.36
TP-6	17	5.00	Rio Lucero	1908	12.00	27.95
TP-6	18	2.90	Rio Lucero	1908	6.96	16.21
TP-6	19	8.25	Rio Lucero	1908	19.80	46.12
TP-6	20	0.90	Rio Lucero	1908	2.16	5.03
TP-6	21	0.45	Rio Lucero	1908	1.08	2.52
TP-6	22	6.25	Rio Lucero	1908	15.00	34.94
TP-6	23	1.45	Rio Lucero	1908	3.48	8.11
TP-6	24	4.95	Rio Lucero	1908	11.88	27.67
TP-6	25	4.90	Rio Lucero	1908	11.76	27.39
TP-6	26	1.85	Rio Lucero	1908	4.44	10.34
TP-6	27	21.50	Rio Lucero	1908	51.60	120.19
TP-6	28	0.35	Rio Lucero	1908	0.84	1.96
TP-6	29	3.55	Rio Lucero	1908	8.52	19.84
TP-6	30	0.55	Rio Lucero	1908	1.32	3.07
TP-6	31	1.40	Rio Lucero	1908	3.36	7.83
TP-6	32	1.60	Rio Lucero	1908	3.84	8.94

TP-6	33	1.45	Rio Lucero	1908	3.48	8.11
TP-6	34	7.45	Rio Lucero	1908	17.88	41.65
TP-6	35	2.60	Rio Lucero	1908	6.24	14.53
TP-6	36	10.25	Rio Lucero	1908	24.60	57.30
TP-6	37	0.40	Rio Lucero	1908	0.96	2.24
TP-6	38	0.65	Rio Lucero	1908	1.56	3.63
TP-6	39	0.40	Rio Lucero	1908	0.96	2.24
TP-6	40	0.55	Rio Lucero	1908	1.32	3.07
TP-6	41	2.10	Rio Lucero	1908	5.04	11.74
TP-6	42	2.10	Rio Lucero	1908	5.04	11.74
TP-6	43	1.10	Rio Lucero	1908	2.64	6.15
TP-6	44	16.15	Rio Lucero	1908	38.76	90.28
TP-6	45	11.50	Rio Lucero	1908	27.60	64.29
TP-6	46	1.15	Rio Lucero	1908	2.76	6.43
TP-6	47	5.30	Rio Lucero	1908	12.72	29.63
TP-6	48	1.30	Rio Lucero	Juan Manuel	3.12	7.27
TP-7	1	2.05	Rio Lucero	1908	4.92	11.46
TP-7	2	3.90	Rio Lucero	1908	9.36	21.80
TP-7	3	5.05	Rio Lucero	1908	12.12	28.23
TP-7	4	7.40	Rio Lucero	1908	17.76	41.37
TP-7	5	2.50	Rio Lucero	1908	6.00	13.98
TP-7	6	1.45	Rio Lucero	1908	3.48	8.11
TP-7	7	4.80	Rio Lucero	1908	11.52	26.83
TP-7	8	7.90	Rio Lucero	1908	18.96	44.16
TP-7	9	7.15	Rio Lucero	1908	17.16	39.97
TP-7	10	3.25	Rio Lucero	1908	7.80	18.17
TP-7	11	4.45	Rio Lucero	Grouse	10.68	24.88
TP-7	12	10.45	Rio Lucero	Grouse	25.08	58.42
TP-7	13	4.00	Rio Lucero	Grouse	9.60	22.36
TP-7	14	13.10	Rio Lucero	Grouse	31.44	73.23
TP-7	15	0.60	Rio Lucero	Grouse	1.44	3.35
TP-7	16	14.40	Rio Lucero	Grouse	34.56	80.50
TP-7	17	2.60	Rio Lucero	Grouse	6.24	14.53
TP-7	18	2.50	Rio Lucero	Grouse	6.00	13.98
TP-7	19	2.75	Rio Lucero	Grouse	6.60	15.37
TP-7	20	3.50	Rio Lucero	Grouse	8.40	19.57
TP-7	21	11.65	Rio Lucero	Grouse	27.96	65.12
TP-7	22	10.90	Rio Lucero	Grouse	26.16	60.93
TP-7	23	16.15	Rio Lucero	Grouse	38.76	90.28
TP-7	24	5.90	Rio Lucero	Grouse	14.16	32.98
TP-7	25	4.15	Rio Lucero	Grouse	9.96	23.20
TP-7	26	6.35	Rio Lucero	Grouse	15.24	35.50
TP-7	27	17.60	Rio Lucero	Grouse	42.24	98.38

TP-7	28	1.80	Rio Lucero	Grouse	4.32	10.06
TP-7	29	1.70	Rio Lucero	Grouse	4.08	9.50
TP-7	30	1.20	Rio Lucero	Grouse	2.88	6.71
TP-7	31	0.50	Rio Lucero	Grouse	1.20	2.80
TP-7	32	0.20	Rio Lucero	Grouse	0.48	1.12
TP-7	33	0.40	Rio Lucero	Grouse	0.96	2.24
TP-7	34	1.05	Rio Lucero	Grouse	2.52	5.87
TP-7	35	1.30	Rio Lucero	Grouse	3.12	7.27
TP-7	36	5.50	Rio Lucero	Grouse	13.20	30.75
TP-7	37	4.40	Rio Lucero	Beeline	10.56	24.60
TP-7	38	13.90	Rio Lucero	Beeline	33.36	77.70
TP-7	39	3.35	Rio Lucero	Beeline	8.04	18.73
TP-7	40	1.95	Rio Lucero	Beeline	4.68	10.90
TP-7	41	0.75	Rio Lucero	Beeline	1.80	4.19
TP-7	42	1.45	Rio Lucero	Beeline	3.48	8.11
TP-7	43	8.35	Rio Lucero	Beeline	20.04	46.68
TP-7	44	2.20	Rio Lucero	Beeline	5.28	12.30
TP-7	45	0.75	Rio Lucero	Beeline	1.80	4.19
TP-7	46	0.75	Rio Lucero	Beeline	1.80	4.19
TP-7	47	0.55	Rio Lucero	Beeline	1.32	3.07
TP-7	48	0.65	Rio Lucero	Beeline	1.56	3.63
TP-7	49	2.75	Rio Lucero	Beeline	6.60	15.37
TP-7	50	4.65	Rio Lucero	Beeline	11.16	25.99
TP-7	51	1.90	Rio Lucero	Beeline	4.56	10.62
TP-7	52	0.25	Rio Lucero	Beeline	0.60	1.40
TP-7	53	2.30	Rio Lucero	Tributary of Rio Lucero	5.52	12.86
TP-8	1	8.75	Rio Lucero	Beeline	21.00	48.91
TP-8	2	1.90	Rio Lucero	Beeline	4.56	10.62
TP-8	3	1.90	Rio Lucero	Beeline	4.56	10.62
TP-8	4	0.30	Rio Lucero	Beeline	0.72	1.68
TP-8	5	0.50	Rio Lucero	Beeline	1.20	2.80
TP-8	6	1.20	Rio Lucero	Beeline	2.88	6.71
TP-8	7	5.40	Rio Lucero	Beeline	12.96	30.19
TP-8	8	0.95	Rio Lucero	Beeline	2.28	5.31
TP-8	9	0.90	Rio Lucero	Beeline	2.16	5.03
TP-8	10	0.65	Rio Lucero	Beeline	1.56	3.63
TP-8	11	0.85	Rio Lucero	Beeline	2.04	4.75
TP-8	12	2.90	Rio Lucero	Beeline	6.96	16.21
TP-8	13	1.35	Rio Lucero	Beeline	3.24	7.55
TP-8	14	2.60	Rio Lucero	Beeline	6.24	14.53
TP-8	15	21.15	Rio Lucero	Beeline	50.76	118.23
TP-8	16	0.60	Rio Lucero	Beeline	1.44	3.35

TP-8	17	1.30	Rio Lucero	Beeline	3.12	7.27
TP-8	18	5.55	Rio Lucero	Beeline	13.32	31.02
TP-8	19	1.45	Rio Lucero	Beeline	3.48	8.11
TP-8	20	13.40	Rio Lucero	Beeline	32.16	74.91
TP-8	21	3.25	Rio Lucero	Beeline	7.80	18.17
TP-8	22	3.00	Rio Lucero	Beeline	7.20	16.77
TP-8	23	1.55	Rio Lucero	1908	3.72	8.66
TP-8	24	0.40	Rio Lucero	1908	0.96	2.24
TP-8	25	2.25	Rio Lucero	1908	5.40	12.58
TP-8	26	8.00	Rio Lucero	1908	19.20	44.72
TP-8	27	1.30	Rio Lucero	1908	3.12	7.27
TP-8	28	7.20	Rio Lucero	1908	17.28	40.25
TP-8	29	6.25	Rio Lucero	1908	15.00	34.94
TP-8	30	2.35	Rio Lucero	1908	5.64	13.14
TP-8	31	6.90	Rio Lucero	1908	16.56	38.57
TP-8	32	9.25	Rio Lucero	1908	22.20	51.71
TP-8	33	9.20	Rio Lucero	1908	22.08	51.43
TP-8	34	6.40	Rio Lucero	1908	15.36	35.78
TP-8	35	7.60	Rio Lucero	1908	18.24	42.48
TP-8	36	4.85	Rio Lucero	1908	11.64	27.11
TP-8	37	1.80	Rio Lucero	1908	4.32	10.06
TP-8	38	7.50	Rio Lucero	1908	18.00	41.93
TP-8	39	11.10	Rio Lucero	1908	26.64	62.05
TP-8	40	14.20	Rio Lucero	1908	34.08	79.38
TP-8	41	7.50	Rio Lucero	1908	18.00	41.93
TP-8	42	7.80	Rio Lucero	1908	18.72	43.60
TP-8	43	5.75	Rio Lucero	1908	13.80	32.14
TP-8	44	5.75	Rio Lucero	1908	13.80	32.14
TP-8	45	9.25	Rio Lucero	1908	22.20	51.71
TP-8	46	10.20	Rio Lucero	1908	24.48	57.02
TP-8	47	6.00	Rio Lucero	1908	14.40	33.54
TP-8	48	8.90	Rio Lucero	1908	21.36	49.75
TP-8	49	11.60	Rio Lucero	1908	27.84	64.84
TP-8	50	7.85	Rio Lucero	1908	18.84	43.88
TP-8	51	2.35	Rio Lucero	1908	5.64	13.14
TP-8	52	4.85	Rio Lucero	1908	11.64	27.11
TP-8	53	10.00	Rio Lucero	1908	24.00	55.90
TP-8	54	18.40	Rio Lucero	1908	44.16	102.86
TP-8	55	21.75	Rio Lucero	1908	52.20	121.58
TP-8	56	20.60	Rio Lucero	1908	49.44	115.15
TP-8	57	0.40	Rio Lucero	1908	0.96	2.24
TP-8	58	17.55	Rio Lucero	1908	42.12	98.10
TP-8	59	4.05	Rio Lucero	1908	9.72	22.64

TP-8	60	0.45	Rio Lucero	1908	1.08	2.52
TP-8	61	1.30	Rio Lucero	1908	3.12	7.27
TP-8	62	3.75	Rio Lucero	1908	9.00	20.96
TP-8	63	2.20	Rio Lucero	1908	5.28	12.30
TP-8	64	0.25	Rio Lucero	1908	0.60	1.40
TP-8	65	6.35	Rio Lucero	1908	15.24	35.50
TP-8	66	1.85	Rio Lucero	1908	4.44	10.34
TP-8	67	0.55	Rio Lucero	1908	1.32	3.07
TP-9	1	11.30	Rio Lucero	Grouse	27.12	63.17
TP-9	2	17.25	Rio Lucero	Grouse	41.40	96.43
TP-9	3	9.00	Rio Lucero	Grouse	21.60	50.31
TP-9	4	6.35	Rio Lucero	Grouse	15.24	35.50
TP-9	5	8.70	Rio Lucero	Grouse	20.88	48.63
TP-9	6	4.00	Rio Lucero	Grouse	9.60	22.36
TP-9	7	4.45	Rio Lucero	Grouse	10.68	24.88
TP-9	8	12.50	Rio Lucero	Grouse	30.00	69.88
TP-9	9	9.00	Rio Lucero	Grouse	21.60	50.31
TP-9	10	4.85	Rio Lucero	Grouse	11.64	27.11
TP-9	11	9.60	Rio Lucero	Grouse	23.04	53.66
TP-9	12	6.65	Rio Lucero	Grouse	15.96	37.17
TP-9	13	3.55	Rio Lucero	Grouse	8.52	19.84
TP-9	14	2.00	Rio Lucero	Grouse	4.80	11.18
TP-9	15	7.10	Rio Lucero	Grouse	17.04	39.69
TP-9	16	3.35	Rio Lucero	Grouse	8.04	18.73
TP-9	17	4.05	Rio Lucero	Grouse	9.72	22.64
TP-9	18	4.70	Rio Lucero	Grouse	11.28	26.27
TP-9	19	4.50	Rio Lucero	Grouse	10.80	25.16
TP-9	20	1.00	Rio Lucero	Grouse	2.40	5.59
TP-9	21	5.75	Rio Lucero	Grouse	13.80	32.14
TP-9	22	10.10	Rio Lucero	Grouse	24.24	56.46
TP-9	23	11.40	Rio Lucero	Grouse	27.36	63.73
TP-9	24	4.80	Rio Lucero	Grouse	11.52	26.83
TP-9	25	8.20	Rio Lucero	Grouse	19.68	45.84
TP-9	26	5.65	Rio Lucero	Grouse	13.56	31.58
TP-9	27	4.00	Rio Lucero	Grouse	9.60	22.36
TP-9	28	2.45	Rio Lucero	Grouse	5.88	13.70
TP-9	29	6.25	Rio Lucero	Grouse	15.00	34.94
TP-9	30	1.70	Rio Lucero	Grouse	4.08	9.50
TP-9	31	4.65	Rio Lucero	1908	11.16	25.99
TP-9	32	2.90	Rio Lucero	1908	6.96	16.21
TP-9	33	5.30	Rio Lucero	1908	12.72	29.63
TP-9	34	6.80	Rio Lucero	1908	16.32	38.01
TP-9	35	5.20	Rio Lucero	1908	12.48	29.07

TP-9	36	4.50	Rio Lucero	1908	10.80	25.16
TP-9	37	3.20	Rio Lucero	1908	7.68	17.89
TP-9	38	6.90	Rio Lucero	1908	16.56	38.57
TP-9	39	11.90	Rio Lucero	1908	28.56	66.52
TP-9	40	3.40	Rio Lucero	1908	8.16	19.01
TP-9	41	9.85	Rio Lucero	1908	23.64	55.06
TP-9	42	7.40	Rio Lucero	1908	17.76	41.37
TP-9	43	11.80	Rio Lucero	1908	28.32	65.96
TP-9	44	11.80	Rio Lucero	1908	28.32	65.96
TP-9	45	3.65	Rio Lucero	1908	8.76	20.40
TP-9	46	4.05	Rio Lucero	1908	9.72	22.64
TP-9	47	12.30	Rio Lucero	1908	29.52	68.76
TP-9	48	4.10	Rio Lucero	1908	9.84	22.92
TP-9	49	12.55	Rio Lucero	1908	30.12	70.15
TP-9	50	8.00	Rio Lucero	1908	19.20	44.72
TP-9	51	9.35	Rio Lucero	1908	22.44	52.27
TP-9	52	12.65	Rio Lucero	1908	30.36	70.71
TP-9	53	11.60	Rio Lucero	1908	27.84	64.84
TP-9	54	9.25	Rio Lucero	1908	22.20	51.71
TP-9	55	2.15	Rio Lucero	1908	5.16	12.02
TP-9	56	9.25	Rio Lucero	1908	22.20	51.71
TP-9	57	7.90	Rio Lucero	1908	18.96	44.16
TP-9	58	2.00	Rio Lucero	1908	4.80	11.18
TP-9	59	2.10	Rio Lucero	Beeline	5.04	11.74
TP-9	60	2.40	Rio Lucero	Beeline	5.76	13.42
TP-9	61	0.40	Rio Lucero	Beeline	0.96	2.24
TP-9	62	0.45	Rio Lucero	Beeline	1.08	2.52
TP-9	63	0.40	Rio Lucero	Beeline	0.96	2.24
TP-9	64	5.05	Rio Lucero	Beeline	12.12	28.23
TP-9	65	0.80	Rio Lucero	Beeline	1.92	4.47
TP-9	66	0.40	Rio Lucero	Beeline	0.96	2.24
TP-10	1	14.70	Rio Lucero	Beeline	35.28	82.17
TP-10	2	0.45	Rio Lucero	Beeline	1.08	2.52
TP-10	3	5.40	Rio Lucero	Beeline	12.96	30.19
TP-10	4	5.65	Rio Lucero	Beeline	13.56	31.58
TP-10	5	8.35	Rio Lucero	Beeline	20.04	46.68
TP-10	6	12.45	Rio Lucero	Beeline	29.88	69.60
TP-10	7	9.30	Rio Lucero	Beeline	22.32	51.99
TP-10	8	16.70	Rio Lucero	Beeline	40.08	93.35
TP-10	9	6.85	Rio Lucero	Beeline	16.44	38.29
TP-10	10	8.50	Rio Lucero	Beeline	20.40	47.52
TP-10	11	3.70	Rio Lucero	Beeline	8.88	20.68
TP-10	12	17.30	Rio Lucero	Beeline	41.52	96.71

TP-10	13	2.30	Rio Lucero	Beeline	5.52	12.86
TP-10	14	2.60	Rio Lucero	Beeline	6.24	14.53
TP-10	15	51.90	Rio Lucero	Beeline	124.56	290.12
TP-10	16	11.70	Rio Lucero	Beeline	28.08	65.40
TP-10	17	3.35	Rio Lucero	Beeline	8.04	18.73
TP-10	18	1.50	Rio Lucero	Beeline	3.60	8.39
TP-10	19	1.50	Rio Lucero	Beeline	3.60	8.39
TP-10	20	5.65	Rio Lucero	Beeline	13.56	31.58
TP-10	21	4.55	Rio Lucero	Beeline	10.92	25.43
TP-10	22	21.70	Rio Lucero	Beeline	52.08	121.30
TP-10	23	15.40	Rio Lucero	Beeline	36.96	86.09
TP-10	24	2.00	Rio Lucero	Beeline	4.80	11.18
TP-10	25	1.70	Rio Lucero	Beeline	4.08	9.50
TP-10	26	3.50	Rio Lucero	Beeline	8.40	19.57
TP-10	27	7.00	Rio Lucero	Beeline	16.80	39.13
TP-10	28	7.45	Rio Lucero	Beeline	17.88	41.65
TP-10	29	7.10	Rio Lucero	Beeline	17.04	39.69
TP-10	30	7.50	Rio Lucero	Beeline	18.00	41.93
TP-10	31	5.80	Rio Lucero	Beeline	13.92	32.42
TP-10	32	4.00	Rio Lucero	Beeline	9.60	22.36
TP-10	33	5.30	Rio Lucero	Beeline	12.72	29.63
TP-10	34	6.80	Rio Lucero	Beeline	16.32	38.01
TP-10	35	4.50	Rio Lucero	Beeline	10.80	25.16
TP-10	36	3.70	Rio Lucero	Beeline	8.88	20.68
TP-10	37	2.65	Rio Lucero	Beeline	6.36	14.81
TP-10	38	9.70	Rio Lucero	Beeline	23.28	54.22
TP-10	39	10.10	Rio Lucero	Beeline	24.24	56.46
TP-10	40	6.85	Rio Lucero	Beeline	16.44	38.29
TP-10	41	9.90	Rio Lucero	Beeline	23.76	55.34
TP-10	42	6.90	Rio Lucero	Beeline	16.56	38.57
TP-10	43	12.90	Rio Lucero	Beeline	30.96	72.11
TP-10	44	16.00	Rio Lucero	Beeline	38.40	89.44
TP-10	45	1.35	Rio Lucero	Beeline	3.24	7.55
TP-10	46	4.15	Rio Lucero	Beeline	9.96	23.20
TP-10	47	7.00	Rio Lucero	Beeline	16.80	39.13
TP-10	48	1.25	Rio Lucero	Beeline	3.00	6.99
TP-10	49	10.45	Rio Lucero	Beeline	25.08	58.42
TP-10	50	1.30	Rio Lucero	Beeline	3.12	7.27
TP-10	51	1.70	Rio Lucero	Beeline	4.08	9.50
TP-10	52	3.15	Rio Lucero	Beeline	7.56	17.61
TP-10	53	1.05	Rio Lucero	Beeline	2.52	5.87
TP-10	54	1.10	Rio Lucero	Beeline	2.64	6.15
TP-10	55	10.60	Rio Lucero	Beeline	25.44	59.25

TP-10	56	6.25	Rio Lucero	Beeline	15.00	34.94
TP-10	57	17.25	Rio Lucero	Beeline	41.40	96.43
TP-10	58	3.45	Rio Lucero	Beeline	8.28	19.29
TP-10	59	0.35	Rio Lucero	Beeline	0.84	1.96
TP-10	60	1.85	Rio Lucero	Beeline	4.44	10.34
TP-10	61	8.00	Rio Lucero	Beeline SP	28.00	35.92
TP-10	62	6.20	Rio Lucero	Beeline SP	21.70	27.84
TP-11	1	1.40	Rio Pueblo	Cicada Nose	3.36	7.83
TP-11	2	0.50	Rio Pueblo	Cicada Nose	1.20	2.80
TP-11	3	1.75	Rio Pueblo	Cicada Nose	4.20	9.78
TP-11	4	1.10	Rio Pueblo	Cicada Nose	2.64	6.15
TP-11	5	1.80	Rio Pueblo	Cicada Nose	4.32	10.06
TP-11	6	4.35	Rio Pueblo	Cicada Nose	10.44	24.32
TP-11	7	2.00	Rio Pueblo	Cicada Nose	4.80	11.18
TP-11	8	3.45	Rio Pueblo	Cicada Nose	8.28	19.29
TP-11	9	4.10	Rio Pueblo	Cicada Nose	9.84	22.92
TP-11	10	2.20	Rio Pueblo	Cicada Nose	5.28	12.30
TP-11	11	3.10	Rio Pueblo	Cicada Nose	7.44	17.33
TP-11	12	4.00	Rio Pueblo	Cicada Nose	9.60	22.36
TP-11	13	3.60	Rio Pueblo	Cicada Nose	8.64	20.12
TP-11	14	4.75	Rio Pueblo	Cicada Nose	11.40	26.55
TP-11	15	3.20	Rio Pueblo	Cicada Nose	7.68	17.89
TP-11	16	1.85	Rio Pueblo	Cicada Nose	4.44	10.34
TP-11	17	5.15	Rio Pueblo	Cicada Nose	12.36	28.79
TP-11	18	1.80	Rio Pueblo	Cicada Nose	4.32	10.06
TP-11	19	0.85	Rio Pueblo	Cicada Nose	2.04	4.75
TP-11	20	3.65	Rio Pueblo	Pottery	8.76	20.40
TP-11	21	0.80	Rio Pueblo	Pottery	1.92	4.47
TP-11	22	0.50	Rio Pueblo	Pottery	1.20	2.80
TP-11	23	1.30	Rio Pueblo	Pottery	3.12	7.27
TP-11	24	1.45	Rio Pueblo	Pottery	3.48	8.11
TP-11	25	1.60	Rio Pueblo	Pottery	3.84	8.94
TP-11	26	0.80	Rio Pueblo	Pottery	1.92	4.47
TP-11	27	1.05	Rio Pueblo	Pottery	2.52	5.87
TP-11	28	1.00	Rio Pueblo	Pottery	2.40	5.59
TP-11	29	1.60	Rio Pueblo	Pottery	3.84	8.94
TP-11	30	2.00	Rio Pueblo	Pottery	4.80	11.18
TP-11	31	3.65	Rio Pueblo	Pottery	8.76	20.40
TP-11	32	3.40	Rio Pueblo	Pottery	8.16	19.01
TP-11	33	1.65	Rio Pueblo	Pottery	3.96	9.22
TP-11	34	2.70	Rio Pueblo	Pottery	6.48	15.09
TP-11	35	2.00	Rio Pueblo	Pottery	4.80	11.18
TP-11	36	1.35	Rio Pueblo	Pottery	3.24	7.55

TP-11	37	5.60	Rio Pueblo	Pottery	13.44	31.30
TP-11	38	2.00	Rio Pueblo	Pottery	4.80	11.18
TP-11	39	2.25	Rio Pueblo	Pottery	5.40	12.58
TP-11	40	1.00	Rio Pueblo	Pottery	2.40	5.59
TP-11	41	2.50	Rio Pueblo	Pottery	6.00	13.98
TP-11	42	2.60	Rio Pueblo	Pottery	6.24	14.53
TP-11	43	2.60	Rio Pueblo	Pottery	6.24	14.53
TP-11	44	1.60	Rio Pueblo	Pottery	3.84	8.94
TP-11	45	2.00	Rio Pueblo	Pottery	4.80	11.18
TP-11	46	1.80	Rio Pueblo	North trash Pile	4.32	10.06
TP-11	47	0.50	Rio Pueblo	North trash Pile	1.20	2.80
TP-11	48	1.65	Rio Pueblo	North trash Pile	3.96	9.22
TP-11	49	1.30	Rio Pueblo	North trash Pile	3.12	7.27
TP-11	50	1.60	Rio Pueblo	North trash Pile	3.84	8.94
TP-11	51	1.00	Rio Pueblo	North trash Pile	2.40	5.59
TP-11	52	1.70	Rio Pueblo	Buried Roots	4.08	9.50
TP-11	53	4.25	Rio Pueblo	Buried Roots	10.20	23.76
TP-11	54	5.35	Rio Pueblo	Buried Roots	12.84	29.91
TP-11	55	3.50	Rio Pueblo	Buried Roots	8.40	19.57
TP-11	56	1.00	Rio Pueblo	Buried Roots	2.40	5.59
TP-11	57	1.00	Rio Pueblo	Buried Roots	2.40	5.59
TP-11	58	2.25	Rio Pueblo	Buried Roots	5.40	12.58
TP-11	59	3.80	Rio Pueblo	Buried Roots	9.12	21.24
TP-11	60	3.75	Rio Pueblo	Buried Roots	9.00	20.96
TP-11	61	1.80	Rio Pueblo	Buried Roots	4.32	10.06
TP-11	62	2.45	Rio Pueblo	Buried Roots	5.88	13.70
TP-11	63	1.85	Rio Pueblo	Buried Roots	4.44	10.34
TP-11	64	1.60	Rio Pueblo	Buried Roots	3.84	8.94
TP-11	65	0.70	Rio Pueblo	Buried Roots	1.68	3.91
TP-11	66	1.35	Rio Pueblo	Pull Leaf	3.24	7.55
TP-11	67	3.25	Rio Pueblo	Pull Leaf	7.80	18.17
TP-11	68	1.60	Rio Pueblo	Pull Leaf	3.84	8.94
TP-11	69	1.90	Rio Pueblo	Pull Leaf	4.56	10.62
TP-11	70	3.55	Rio Pueblo	Pull Leaf	8.52	19.84
TP-11	71	5.40	Rio Pueblo	Pull Leaf	12.96	30.19
TP-11	72	2.90	Rio Pueblo	Pull Leaf	6.96	16.21
TP-11	73	2.00	Rio Pueblo	Pull Leaf	4.80	11.18

TP-11	74	5.40	Rio Pueblo	Pull Leaf	12.96	30.19
TP-11	75	2.40	Rio Pueblo	Pull Leaf	5.76	13.42
TP-11	76	2.90	Rio Pueblo	Pull Leaf	6.96	16.21
TP-11	77	1.35	Rio Pueblo	Pull Leaf	3.24	7.55
TP-11	78	1.10	Rio Pueblo	Pull Leaf	2.64	6.15
TP-11	79	1.20	Rio Pueblo	Pull Leaf	2.88	6.71
TP-11	80	2.00	Rio Pueblo	Pull Leaf	4.80	11.18
TP-11	81	3.30	Rio Pueblo	Pull Leaf	7.92	18.45
TP-11	82	2.80	Rio Pueblo	Pull Leaf	6.72	15.65
TP-11	83	2.10	Rio Pueblo	Pull Leaf	5.04	11.74
TP-11	84	3.00	Rio Pueblo	Pull Leaf	7.20	16.77
TP-11	85	1.50	Rio Pueblo	Pull Leaf	3.60	8.39
TP-11	86	1.50	Rio Pueblo	Pull Leaf	3.60	8.39
TP-11	87	1.10	Rio Pueblo	Pull Leaf	2.64	6.15
TP-11	88	1.25	Rio Pueblo	Pull Leaf	3.00	6.99
TP-11	89	1.70	Rio Pueblo	Pull Leaf	4.08	9.50
TP-11	90	0.70	Rio Pueblo	Deer Jaw	1.68	3.91
TP-11	91	2.65	Rio Pueblo	Deer Jaw	6.36	14.81
TP-11	92	1.40	Rio Pueblo	Deer Jaw	3.36	7.83
TP-11	93	3.35	Rio Pueblo	Deer Jaw	8.04	18.73
TP-11	94	1.80	Rio Pueblo	Deer Jaw	4.32	10.06
TP-11	95	3.15	Rio Pueblo	Deer Jaw	7.56	17.61
TP-11	96	4.90	Rio Pueblo	Deer Jaw	11.76	27.39
TP-11	97	3.00	Rio Pueblo	Deer Jaw	7.20	16.77
TP-11	98	4.60	Rio Pueblo	Deer Jaw	11.04	25.71
TP-11	99	2.40	Rio Pueblo	Deer Jaw	5.76	13.42
TP-11	100	7.30	Rio Pueblo	Deer Jaw	17.52	40.81
TP-11	101	3.70	Rio Pueblo	Deer Jaw	8.88	20.68
TP-11	102	7.90	Rio Pueblo	Deer Jaw	18.96	44.16
TP-11	103	6.25	Rio Pueblo	Deer Jaw	15.00	34.94
TP-11	104	3.60	Rio Pueblo	Deer Jaw	8.64	20.12
TP-11	105	4.60	Rio Pueblo	Deer Jaw	11.04	25.71
TP-11	106	5.50	Rio Pueblo	Deer Jaw	13.20	30.75
TP-11	107	1.60	Rio Pueblo	Deer Jaw	3.84	8.94
TP-11	108	2.25	Rio Pueblo	Deer Jaw	5.40	12.58
TP-11	109	1.65	Rio Pueblo	Deer Jaw	3.96	9.22
TP-11	110	2.50	Rio Pueblo	Deer Jaw	6.00	13.98
TP-11	111	4.80	Rio Pueblo	Deer Jaw	11.52	26.83
TP-11	112	2.55	Rio Pueblo	Deer Jaw	6.12	14.25
TP-11	113	3.60	Rio Pueblo	Deer Jaw	8.64	20.12
TP-11	114	1.50	Rio Pueblo	Deer Jaw	3.60	8.39
TP-11	115	1.90	Rio Pueblo	Deer Jaw	4.56	10.62
TP-11	116	1.25	Rio Pueblo	Deer Jaw	3.00	6.99

TP-11	117	3.10	Rio Pueblo	Deer Jaw	7.44	17.33
TP-11	118	2.10	Rio Pueblo	Deer Jaw	5.04	11.74
TP-11	119	3.50	Rio Pueblo	Deer Jaw	8.40	19.57
TP-11	120	2.00	Rio Pueblo	Deer Jaw	4.80	11.18
TP-11	121	4.40	Rio Pueblo	Deer Jaw	10.56	24.60
TP-11	122	2.40	Rio Pueblo	Deer Jaw	5.76	13.42
TP-11	123	2.65	Rio Pueblo	Deer Jaw	6.36	14.81
TP-11	124	2.00	Rio Pueblo	Deer Jaw	4.80	11.18
TP-11	125	2.00	Rio Pueblo	Deer Jaw	4.80	11.18
TP-11	126	2.55	Rio Pueblo	Deer Jaw	6.12	14.25
TP-11	127	0.80	Rio Pueblo	Elk Horn	1.92	4.47
TP-11	128	1.25	Rio Pueblo	Elk Horn	3.00	6.99
TP-11	129	0.85	Rio Pueblo	Elk Horn	2.04	4.75
TP-11	130	1.70	Rio Pueblo	Elk Horn	4.08	9.50
TP-11	131	1.20	Rio Pueblo	Elk Horn	2.88	6.71
TP-11	132	2.75	Rio Pueblo	Elk Horn	6.60	15.37
TP-11	133	1.10	Rio Pueblo	Elk Horn	2.64	6.15
TP-11	134	1.60	Rio Pueblo	Elk Horn	3.84	8.94
TP-11	135	1.40	Rio Pueblo	Elk Horn	3.36	7.83
TP-11	136	0.50	Rio Pueblo	Elk Horn	1.20	2.80
TP-11	137	1.40	Rio Pueblo	Elk Horn	3.36	7.83
TP-11	138	1.75	Rio Pueblo	Elk Horn	4.20	9.78
TP-11	139	1.80	Rio Pueblo	Elk Horn	4.32	10.06
TP-11	140	4.40	Rio Pueblo	Elk Horn	10.56	24.60
TP-11	141	1.25	Tributary of Rio Pueblo	Romero	3.00	6.99
TP-12	1	82.80	Rio Lucero	Beeline SP	289.80	371.77
TP-12	2	22.45	Rio Lucero	Beeline	53.88	125.50
TP-12	3	3.05	Rio Lucero	Grouse	7.32	17.05
TP-12	4	2.10	Rio Lucero	Grouse	5.04	11.74
TP-12	5	4.35	Rio Lucero	Grouse	10.44	24.32
TP-12	6	1.80	Rio Lucero	Grouse	4.32	10.06
TP-12	7	0.80	Rio Lucero	Grouse	1.92	4.47
TP-12	8	1.80	Rio Lucero	Grouse	4.32	10.06
TP-12	9	0.80	Rio Lucero	Grouse	1.92	4.47
TP-12	10	2.40	Rio Lucero	Indian	5.76	13.42
TP-12	11	0.50	Rio Lucero	Indian	1.20	2.80
TP-12	12	0.55	Rio Lucero	Indian	1.32	3.07
TP-12	13	0.40	Rio Lucero	Indian	0.96	2.24
TP-12	14	1.60	Rio Lucero	Indian	3.84	8.94
TP-12	15	0.80	Rio Lucero	Indian	1.92	4.47
TP-12	16	17.25	Rio Lucero	Grouse	41.40	96.43
TP-12	17	2.30	Rio Pueblo	Pottery	5.52	12.86

TP-12	18	2.00	Rio Pueblo	Pottery	4.80	11.18
TP-12	19	1.80	Rio Pueblo	Pottery	4.32	10.06
TP-12	20	2.25	Rio Pueblo	Pottery	5.40	12.58
TP-12	21	2.90	Rio Pueblo	Pottery	6.96	16.21
TP-12	22	1.55	Rio Pueblo	Pottery	3.72	8.66
TP-12	23	2.50	Rio Pueblo	Pottery	6.00	13.98
TP-12	24	1.20	Rio Pueblo	Pottery	2.88	6.71
TP-12	25	1.00	Rio Pueblo	Pottery	2.40	5.59
TP-12	26	1.95	Rio Pueblo	Pottery	4.68	10.90
TP-12	27	1.20	Rio Pueblo	Pottery	2.88	6.71
TP-12	28	0.90	Rio Pueblo	North Trash Pile	2.16	5.03
TP-12	29	0.80	Rio Pueblo	North Trash Pile	1.92	4.47
TP-12	30	0.25	Rio Pueblo	North Trash Pile	0.60	1.40
TP-12	31	2.65	Rio Pueblo	North Trash Pile	6.36	14.81
TP-12	32	1.55	Rio Pueblo	North Trash Pile	3.72	8.66
TP-12	33	2.00	Rio Pueblo	North Trash Pile	4.80	11.18
TP-12	34	3.55	Rio Pueblo	North Trash Pile	8.52	19.84
TP-12	35	1.00	Rio Pueblo	North Trash Pile	2.40	5.59
TP-12	36	1.80	Rio Pueblo	North Trash Pile	4.32	10.06
TP-12	37	0.40	Rio Pueblo	North Trash Pile	0.96	2.24
TP-12	38	3.00	Rio Pueblo	North Trash Pile	7.20	16.77
TP-12	39	1.00	Rio Pueblo	North Trash Pile	2.40	5.59
TP-12	40	0.40	Rio Pueblo	North Trash Pile	0.96	2.24
TP-12	41	2.00	Rio Pueblo	North Trash Pile	4.80	11.18
TP-12	42	1.70	Rio Pueblo	North Trash Pile	4.08	9.50
TP-12	43	2.00	Rio Pueblo	North Trash Pile	4.80	11.18
TP-12	44	0.50	Rio Pueblo	North Trash Pile	1.20	2.80

TP-12	45	5.75	Rio Pueblo	North Trash Pile	13.80	32.14
TP-12	46	5.00	Rio Pueblo	North Trash Pile	12.00	27.95
TP-12	47	3.10	Rio Pueblo	North Trash Pile	7.44	17.33
TP-12	48	1.00	Rio Pueblo	North Trash Pile	2.40	5.59
TP-12	49	1.50	Rio Pueblo	North Trash Pile	3.60	8.39
TP-12	50	0.10	Rio Pueblo	North Trash Pile	0.24	0.56
TP-12	51	0.55	Rio Pueblo	North Trash Pile	1.32	3.07
TP-12	52	2.00	Rio Pueblo	North Trash Pile	4.80	11.18
TP-12	53	3.10	Rio Pueblo	North Trash Pile	7.44	17.33
TP-12	54	2.70	Rio Pueblo	North Trash Pile	6.48	15.09
TP-12	55	2.00	Rio Pueblo	North Trash Pile	4.80	11.18
TP-12	56	1.90	Rio Pueblo	North Trash Pile	4.56	10.62
TP-12	57	2.10	Rio Pueblo	North Trash Pile	5.04	11.74
TP-12	58	1.55	Rio Pueblo	North Trash Pile	3.72	8.66
TP-12	59	1.25	Rio Pueblo	North Trash Pile	3.00	6.99
TP-12	60	0.30	Rio Pueblo	"C" Ditch	0.72	1.68
TP-12	61	6.75	Rio Pueblo	"C" Ditch	16.20	37.73
TP-12	62	2.00	Rio Pueblo	"C" Ditch	4.80	11.18
TP-12	63	0.40	Rio Pueblo	"C" Ditch	0.96	2.24
TP-12	64	3.10	Rio Pueblo	"C" Ditch	7.44	17.33
TP-12	65	6.40	Rio Pueblo	"C" Ditch	15.36	35.78
TP-12	66	4.00	Rio Pueblo	"C" Ditch	9.60	22.36
TP-12	67	1.40	Rio Pueblo	"C" Ditch	3.36	7.83
TP-12	68	2.50	Rio Pueblo	"C" Ditch	6.00	13.98
TP-12	69	4.30	Rio Pueblo	"C" Ditch	10.32	24.04
TP-12	70	3.00	Rio Pueblo	"C" Ditch	7.20	16.77
TP-12	71	3.40	Rio Pueblo	"C" Ditch	8.16	19.01
TP-12	72	2.70	Rio Pueblo	"C" Ditch	6.48	15.09
TP-12	73	1.50	Rio Pueblo	"C" Ditch	3.60	8.39

TP-12	74	0.90	Rio Pueblo	"C" Ditch	2.16	5.03
TP-12	75	1.10	Rio Pueblo	"C" Ditch	2.64	6.15
TP-12	76	2.20	Rio Pueblo	"C" Ditch	5.28	12.30
TP-12	77	3.80	Rio Pueblo	"C" Ditch	9.12	21.24
TP-12	78	11.40	Rio Pueblo	Ventura Mirabal	27.36	63.73
TP-12	79	0.10	Rio Pueblo	Serafin Martinez	0.24	0.56
TP-12	80	0.85	Rio Pueblo	Serafin Martinez	2.04	4.75
TP-12	81	3.00	Rio Pueblo	"B" Ditch	7.20	16.77
TP-12	82	10.05	Rio Pueblo	"B" Ditch	24.12	56.18
TP-12	83	3.40	Rio Pueblo	Phia-No	8.16	19.01
TP-12	84	3.85	Rio Pueblo	Phia-No	9.24	21.52
TP-12	85	2.70	Rio Pueblo	Phia-No	6.48	15.09
TP-12	86	7.30	Rio Pueblo	Phia-No	17.52	40.81
TP-12	87	4.25	Rio Pueblo	Phia-No	10.20	23.76
TP-12	88	3.70	Rio Pueblo	Phia-No	8.88	20.68
TP-12	89	2.60	Rio Pueblo	Phia-No	6.24	14.53
TP-12	90	6.40	Rio Pueblo	Phia-No	15.36	35.78
TP-12	91	3.75	Rio Pueblo	Phia-No	9.00	20.96
TP-12	92	5.00	Rio Pueblo	Phia-No	12.00	27.95
TP-12	93	1.60	Rio Pueblo	Phia-No	3.84	8.94
TP-12	94	2.20	Rio Pueblo	Phia-No	5.28	12.30
TP-12	95	0.75	Rio Pueblo	South Trash Pile	1.80	4.19
TP-12	96	2.35	Rio Pueblo	South Trash Pile	5.64	13.14
TP-12	97	0.20	Rio Pueblo	South Trash Pile	0.48	1.12
TP-12	98	1.90	Rio Pueblo	South Trash Pile	4.56	10.62
TP-12	99	0.35	Rio Pueblo	South Trash Pile	0.84	1.96
TP-12	100	0.70	Rio Pueblo	South Trash Pile	1.68	3.91
TP-12	101	1.10	Rio Pueblo	South Trash Pile	2.64	6.15
TP-12	102	0.60	Rio Pueblo	South Trash Pile	1.44	3.35
TP-12	103	1.60	Rio Pueblo	South Trash Pile	3.84	8.94
TP-12	104	1.15	Rio Pueblo	South Trash Pile	2.76	6.43

TP-12	105	3.00	Rio Pueblo	South Trash Pile	7.20	16.77
TP-12	106	0.75	Rio Pueblo	South Trash Pile	1.80	4.19
TP-12	107	1.50	Rio Pueblo	South Trash Pile	3.60	8.39
TP-12	108	5.85	Rio Pueblo	South Trash Pile	14.04	32.70
TP-12	109	1.50	Rio Pueblo	South Trash Pile	3.60	8.39
TP-12	110	1.95	Rio Pueblo	South Trash Pile	4.68	10.90
TP-12	111	2.00	Rio Pueblo	South Trash Pile	4.80	11.18
TP-12	112	1.95	Rio Pueblo	South Trash Pile	4.68	10.90
TP-12	113	2.60	Rio Pueblo	Buried Roots	6.24	14.53
TP-12	114	2.70	Rio Pueblo	Buried Roots	6.48	15.09
TP-12	115	1.70	Rio Pueblo	Buried Roots	4.08	9.50
TP-12	116	1.80	Rio Pueblo	Buried Roots	4.32	10.06
TP-12	117	5.60	Rio Pueblo	Buried Roots	13.44	31.30
TP-12	118	3.05	Rio Pueblo	Buried Roots	7.32	17.05
TP-12	119	1.50	Rio Pueblo	Buried Roots	3.60	8.39
TP-12	120	3.55	Rio Pueblo	Buried Roots	8.52	19.84
TP-12	121	2.00	Rio Pueblo	Buried Roots	4.80	11.18
TP-12	122	3.85	Rio Pueblo	Buried Roots	9.24	21.52
TP-12	123	2.30	Rio Pueblo	Buried Roots	5.52	12.86
TP-12	124	1.55	Rio Pueblo	Buried Roots	3.72	8.66
TP-12	125	2.50	Rio Pueblo	Buried Roots	6.00	13.98
TP-12	126	3.25	Rio Pueblo	Buried Roots	7.80	18.17
TP-12	127	1.90	Rio Pueblo	Buried Roots	4.56	10.62
TP-12	128	2.10	Rio Pueblo	Buried Roots	5.04	11.74
TP-12	129	2.25	Rio Pueblo	Buried Roots	5.40	12.58
TP-12	130	1.80	Rio Pueblo	Buried Roots	4.32	10.06
TP-12	131	2.00	Rio Pueblo	Buried Roots	4.80	11.18
TP-12	132	4.25	Rio Pueblo	Buried Roots	10.20	23.76
TP-12	133	3.20	Rio Pueblo	Buried Roots	7.68	17.89
TP-12	134	4.50	Rio Pueblo	Buried Roots	10.80	25.16
TP-12	135	3.70	Rio Pueblo	Buried Roots	8.88	20.68
TP-12	136	4.00	Rio Pueblo	Pull Leaf	9.60	22.36
TP-12	137	5.30	Rio Pueblo	Pull Leaf	12.72	29.63
TP-12	138	2.70	Rio Pueblo	Pull Leaf	6.48	15.09
TP-12	139	2.10	Rio Pueblo	Pull Leaf	5.04	11.74

TP-12	140	4.00	Rio Pueblo	Pull Leaf	9.60	22.36
TP-12	141	3.80	Rio Pueblo	Pull Leaf	9.12	21.24
TP-12	142	1.30	Rio Pueblo	Infiltration Line	3.12	7.27
TP-12	142	1.00	Rio Pueblo	Pottery	2.40	5.59
TP-12	143	2.20	Rio Lucero/Rio Pueblo	Grouse SP	7.70	9.88
TP-12	144	24.00	Rio Lucero/Rio Pueblo	Grouse SP	84.00	107.76
TP-12	145	13.20	Rio Lucero/Rio Pueblo	Grouse SP	46.20	59.27
TP-12	146	67.00	Rio Lucero/Rio Pueblo	Grouse SP	234.50	300.83
TP-12	147	23.40	Rio Lucero/Rio Pueblo	Grouse SP	81.90	105.07
TP-12	148	47.00	Rio Lucero/Rio Pueblo	Grouse SP	164.50	211.03
TP-12	149	115.00	Rio Lucero/Rio Pueblo	Grouse SP	402.50	516.35
TP-12	150	1.80	Rio Lucero/Rio Pueblo	Grouse SP	6.30	8.08
TP-12	151	8.40	Rio Lucero/Rio Pueblo	Grouse SP	29.40	37.72
TP-12	152	17.90	Rio Lucero/Rio Pueblo	Grouse SP	62.65	80.37
TP-12	153	13.50	Rio Lucero/Rio Pueblo	Grouse SP	47.25	60.62
TP-12	154	9.40	Rio Lucero/Rio Pueblo	Grouse SP	32.90	42.21
TP-12	155	4.90	Rio Lucero/Rio Pueblo	Grouse SP	17.15	22.00

TP-13	1	2.90	Rio Pueblo	Pull Leaf	6.96	16.21
TP-13	2	3.40	Rio Pueblo	Pull Leaf	8.16	19.01
TP-13	3	1.85	Rio Pueblo	Pull Leaf	4.44	10.34
TP-13	4	3.40	Rio Pueblo	Pull Leaf	8.16	19.01
TP-13	5	2.60	Rio Pueblo	Pull Leaf	6.24	14.53
TP-13	6	4.10	Rio Pueblo	Pull Leaf	9.84	22.92
TP-13	7	1.75	Rio Pueblo	Pull Leaf	4.20	9.78
TP-13	8	2.15	Rio Pueblo	Pull Leaf	5.16	12.02
TP-13	9	1.20	Rio Pueblo	Pull Leaf	2.88	6.71
TP-13	10	3.45	Rio Pueblo	Pull Leaf	8.28	19.29
TP-13	11	4.10	Rio Pueblo	Pull Leaf	9.84	22.92
TP-13	12	1.55	Rio Pueblo	Pull Leaf	3.72	8.66
TP-13	13	2.65	Rio Pueblo	Pull Leaf	6.36	14.81
TP-13	14	2.30	Rio Pueblo	Pull Leaf	5.52	12.86
TP-13	15	2.65	Rio Pueblo	Pull Leaf	6.36	14.81
TP-13	16	0.55	Rio Pueblo	Pull Leaf	1.32	3.07
TP-13	17	1.10	Rio Pueblo	Pull Leaf	2.64	6.15
TP-13	18	1.55	Rio Pueblo	Buried Roots	3.72	8.66
TP-13	19	2.85	Rio Pueblo	Buried Roots	6.84	15.93
TP-13	20	6.35	Rio Pueblo	Buried Roots	15.24	35.50
TP-13	21	1.35	Rio Pueblo	Buried Roots	3.24	7.55
TP-13	22	2.30	Rio Pueblo	Buried Roots	5.52	12.86
TP-13	23	3.75	Rio Pueblo	Buried Roots	9.00	20.96
TP-13	24	1.70	Rio Pueblo	Buried Roots	4.08	9.50
TP-13	25	3.00	Rio Pueblo	Buried Roots	7.20	16.77
TP-13	26	1.85	Rio Pueblo	Buried Roots	4.44	10.34
TP-13	27	1.85	Rio Pueblo	Buried Roots	4.44	10.34
TP-13	28	1.75	Rio Pueblo	Buried Roots	4.20	9.78
TP-13	29	3.60	Rio Pueblo	Buried Roots	8.64	20.12
TP-13	30	1.70	Rio Pueblo	Buried Roots	4.08	9.50
TP-13	31	1.70	Rio Pueblo	Buried Roots	4.08	9.50
TP-13	32	1.20	Rio Pueblo	Buried Roots	2.88	6.71
TP-13	33	1.90	Rio Pueblo	Buried Roots	4.56	10.62
TP-13	34	1.85	Rio Pueblo	Buried Roots	4.44	10.34
TP-13	35	2.65	Rio Pueblo	Buried Roots	6.36	14.81
TP-13	36	1.65	Rio Pueblo	Buried Roots	3.96	9.22
TP-13	37	1.25	Rio Pueblo	Buried Roots	3.00	6.99
TP-13	38	3.25	Rio Pueblo	Buried Roots	7.80	18.17
TP-13	39	1.50	Rio Pueblo	Buried Roots	3.60	8.39
TP-13	40	3.40	Rio Pueblo	South Trash Pile	8.16	19.01
TP-13	41	3.15	Rio Pueblo	South Trash Pile	7.56	17.61

TP-13	42	2.35	Rio Pueblo	South Trash Pile	5.64	13.14
TP-13	43	3.55	Rio Pueblo	South Trash Pile	8.52	19.84
TP-13	44	3.60	Rio Pueblo	South Trash Pile	8.64	20.12
TP-13	45	3.60	Rio Pueblo	South Trash Pile	8.64	20.12
TP-13	46	7.70	Rio Pueblo	South Trash Pile	18.48	43.04
TP-13	47	3.05	Rio Pueblo	South Trash Pile	7.32	17.05
TP-13	48	2.70	Rio Pueblo	South Trash Pile	6.48	15.09
TP-13	49	2.65	Rio Pueblo	South Trash Pile	6.36	14.81
TP-13	50	4.10	Rio Pueblo	South Trash Pile	9.84	22.92
TP-13	51	3.80	Rio Pueblo	South Trash Pile	9.12	21.24
TP-13	52	2.20	Rio Pueblo	South Trash Pile	5.28	12.30
TP-13	53	3.40	Rio Pueblo	South Trash Pile	8.16	19.01
TP-13	54	2.45	Rio Pueblo	South Trash Pile	5.88	13.70
TP-13	55	1.25	Rio Pueblo	South Trash Pile	3.00	6.99
TP-13	56	1.80	Rio Pueblo	South Trash Pile	4.32	10.06
TP-13	57	3.65	Rio Pueblo	South Trash Pile	8.76	20.40
TP-13	58	3.35	Rio Pueblo	South Trash Pile	8.04	18.73
TP-13	59	3.60	Rio Pueblo	South Trash Pile	8.64	20.12
TP-13	60	11.15	Rio Pueblo	South Trash Pile	26.76	62.33
TP-13	61	3.25	Rio Pueblo	Phia-No	7.80	18.17
TP-13	62	3.60	Rio Pueblo	Phia-No	8.64	20.12
TP-13	63	5.75	Rio Pueblo	Phia-No	13.80	32.14
TP-13	64	5.50	Rio Pueblo	Phia-No	13.20	30.75
TP-13	65	1.90	Rio Pueblo	Phia-No	4.56	10.62
TP-13	66	4.85	Rio Pueblo	Phia-No	11.64	27.11

TP-13	67	4.10	Rio Pueblo	Phia-No	9.84	22.92
TP-13	68	3.30	Rio Pueblo	Phia-No	7.92	18.45
TP-13	69	3.00	Rio Pueblo	Phia-No	7.20	16.77
TP-13	70	3.90	Rio Pueblo	Phia-No	9.36	21.80
TP-13	71	2.30	Rio Pueblo	Phia-No	5.52	12.86
TP-13	72	2.80	Rio Pueblo	Phia-No	6.72	15.65
TP-13	73	6.50	Rio Pueblo	Phia-No	15.60	36.34
TP-13	74	3.50	Rio Pueblo	Phia-No	8.40	19.57
TP-13	75	1.75	Rio Pueblo	Phia-No	4.20	9.78
TP-13	76	1.75	Rio Pueblo	Phia-No	4.20	9.78
TP-13	77	3.20	Rio Pueblo	Phia-No	7.68	17.89
TP-13	78	3.40	Rio Pueblo	Phia-No	8.16	19.01
TP-13	79	3.45	Rio Pueblo	Phia-No	8.28	19.29
TP-13	80	1.10	Rio Pueblo	Phia-No	2.64	6.15
TP-13	81	3.85	Rio Pueblo	Acequia Madre	9.24	21.52
TP-13	82	5.35	Rio Pueblo	Acequia Madre	12.84	29.91
TP-13	83	3.85	Rio Pueblo	Acequia Madre	9.24	21.52
TP-13	84	0.70	Rio Pueblo	Acequia Madre	1.68	3.91
TP-13	85	1.50	Rio Pueblo	Acequia Madre	3.60	8.39
TP-13	86	1.30	Rio Pueblo	Acequia Madre	3.12	7.27
TP-13	87	1.20	Rio Pueblo	Acequia Madre	2.88	6.71
TP-13	88	1.00	Rio Pueblo	Acequia Madre	2.40	5.59
TP-13	89	3.30	Rio Pueblo	Acequia Madre	7.92	18.45
TP-13	90	3.00	Rio Pueblo	Acequia Madre	7.20	16.77
TP-13	91	2.55	Rio Pueblo	Acequia Madre	6.12	14.25
TP-13	92	3.10	Rio Pueblo	Acequia Madre	7.44	17.33
TP-13	93	3.25	Rio Pueblo	Acequia Madre	7.80	18.17
TP-13	94	1.25	Rio Pueblo	Acequia Madre	3.00	6.99
TP-13	95	1.90	Rio Pueblo	Acequia Madre	4.56	10.62

TP-13	96	2.15	Rio Pueblo	Acequia Madre	5.16	12.02
TP-13	97	1.30	Rio Pueblo	Acequia Madre	3.12	7.27
TP-13	98	3.45	Rio Pueblo	Acequia Madre	8.28	19.29
TP-13	99	5.35	Rio Pueblo	Acequia Madre	12.84	29.91
TP-13	100	3.00	Rio Pueblo	Acequia Madre	7.20	16.77
TP-13	101	2.55	Rio Pueblo	Acequia Madre	6.12	14.25
TP-13	102	2.20	Rio Pueblo	Acequia Madre	5.28	12.30
TP-13	103	1.60	Rio Pueblo	Acequia Madre	3.84	8.94
TP-13	104	1.00	Rio Pueblo	Acequia Madre	2.40	5.59
TP-13	105	2.00	Rio Pueblo	Acequia Madre	4.80	11.18
TP-13	106	1.50	Rio Pueblo	Acequia Madre	3.60	8.39
TP-13	107	3.10	Rio Pueblo	Acequia Madre	7.44	17.33
TP-13	108	6.85	Rio Pueblo	Acequia Madre	16.44	38.29
TP-13	109	4.15	Rio Pueblo	Acequia Madre	9.96	23.20
TP-13	110	2.75	Rio Pueblo	Acequia Madre	6.60	15.37
TP-13	111	7.65	Rio Pueblo	Acequia Madre	18.36	42.76
TP-13	112	3.00	Rio Pueblo	Acequia Madre	7.20	16.77
TP-13	113	2.75	Rio Pueblo	Acequia Madre	6.60	15.37
TP-13	114	4.30	Rio Pueblo	Acequia Madre	10.32	24.04
TP-13	115	2.95	Rio Pueblo	Acequia Madre	7.08	16.49
TP-13	116	3.00	Rio Pueblo	Acequia Madre	7.20	16.77
TP-13	117	3.65	Rio Pueblo	Acequia Madre	8.76	20.40

TP-13	118	1.00	Rio Pueblo	Acequia Madre	2.40	5.59
TP-13	119	4.20	Rio Pueblo	Acequia Madre	10.08	23.48
TP-13	120	3.30	Rio Pueblo	Acequia Madre	7.92	18.45
TP-13	121	4.15	Rio Pueblo	Acequia Madre	9.96	23.20
TP-13	122	2.60	Rio Pueblo	Acequia Madre	6.24	14.53
TP-13	123	2.20	Rio Pueblo	Acequia Madre	5.28	12.30
TP-13	124	4.65	Rio Pueblo	Acequia Madre	11.16	25.99
TP-13	125	1.90	Rio Pueblo	Acequia Madre	4.56	10.62
TP-13	126	4.25	Rio Pueblo	Acequia Madre	10.20	23.76
TP-13	127	4.90	Rio Pueblo	Acequia Madre	11.76	27.39
TP-13	128	3.00	Rio Pueblo	Acequia Madre	7.20	16.77
TP-13	129	3.70	Rio Pueblo	Acequia Madre	8.88	20.68
TP-13	130	7.70	Rio Pueblo	Acequia Madre	18.48	43.04
TP-13	131	12.20	Rio Pueblo	Mirabal	29.28	68.20
TP-13	132	2.35	Rio Pueblo	Mirabal	5.64	13.14
TP-13	133	4.20	Rio Pueblo	Mirabal	10.08	23.48
TP-13	134	2.00	Rio Pueblo	Mirabal	4.80	11.18
TP-13	135	3.00	Rio Pueblo	Mirabal	7.20	16.77
TP-13	136	4.10	Rio Pueblo	Mirabal	9.84	22.92
TP-13	137	2.50	Rio Pueblo	Mirabal	6.00	13.98
TP-13	138	3.90	Rio Pueblo	Mirabal	9.36	21.80
TP-13	139	1.10	Rio Pueblo	Mirabal	2.64	6.15
TP-13	140	2.60	Rio Pueblo	Mirabal	6.24	14.53
TP-13	141	6.25	Rio Pueblo	Mirabal	15.00	34.94
TP-13	142	3.70	Rio Pueblo	Mirabal	8.88	20.68
TP-13	143	1.15	Rio Pueblo	Mirabal	2.76	6.43
TP-13	144	3.80	Rio Pueblo	Mirabal	9.12	21.24
TP-13	145	2.45	Rio Pueblo	Mirabal	5.88	13.70
TP-13	146	4.60	Rio Pueblo	Mirabal	11.04	25.71
TP-13	147	5.50	Rio Pueblo	Mirabal	13.20	30.75
TP-13	148	11.80	Rio Pueblo	McClure	28.32	65.96

TP-13	149	2.40	Rio Pueblo	McClure	5.76	13.42
TP-13	150	2.45	Rio Pueblo	McClure	5.88	13.70
TP-13	151	2.75	Rio Pueblo	McClure	6.60	15.37
TP-13	152	2.90	Rio Pueblo	McClure	6.96	16.21
TP-13	153	6.65	Rio Pueblo	McClure	15.96	37.17
TP-13	154	2.00	Rio Pueblo	McClure	4.80	11.18
TP-13	155	2.25	Rio Pueblo	McClure	5.40	12.58
TP-13	156	3.20	Rio Pueblo	McClure	7.68	17.89
TP-13	157	6.15	Rio Pueblo	McClure	14.76	34.38
TP-13	158	3.35	Rio Pueblo	McClure	8.04	18.73
TP-13	159	4.20	Rio Pueblo	McClure	10.08	23.48
TP-13	160	2.10	Rio Pueblo	McClure	5.04	11.74
TP-13	161	2.65	Rio Pueblo	McClure	6.36	14.81
TP-13	162	1.40	Rio Lucero	Summer Spring Creek	3.36	7.83
TP-13	163	3.80	Rio Lucero	Summer Spring Creek	9.12	21.24
TP-13	164	1.30	Rio Lucero	Summer Spring Creek	3.12	7.27
TP-13	165	2.55	Rio Lucero	Summer Spring Creek	6.12	14.25
TP-13	166	5.00	Rio Lucero	Summer Spring Creek	12.00	27.95
TP-13	167	1.80	Rio Lucero	Summer Spring Creek	4.32	10.06
TP-13	168	2.80	Rio Lucero	Summer Spring Creek	6.72	15.65
TP-13	169	3.00	Rio Lucero	Summer Spring Creek	7.20	16.77
TP-13	170	4.25	Rio Lucero	Summer Spring Creek	10.20	23.76
TP-13	171	6.90	Rio Lucero	Summer Spring Creek	16.56	38.57
TP-13	172	5.20	Rio Lucero	Summer Spring Creek	12.48	29.07
TP-13	173	5.75	Rio Lucero	Summer Spring Creek	13.80	32.14
TP-13	174	2.10	Rio Lucero	Summer Spring Creek	5.04	11.74
TP-13	175	2.70	Rio Lucero	Summer Spring Creek	6.48	15.09
TP-13	176	3.10	Rio Lucero	Summer Spring Creek	7.44	17.33

TP-13	177	2.25	Rio Lucero	Summer Spring Creek	5.40	12.58
TP-13	178	2.50	Rio Lucero	Summer Spring Creek	6.00	13.98
TP-13	179	2.55	Rio Lucero	Summer Spring Creek	6.12	14.25
TP-13	180	2.00	Rio Lucero	Summer Spring Creek	4.80	11.18
TP-13	181	3.20	Rio Lucero	Summer Spring Creek	7.68	17.89
TP-13	182	2.80	Rio Lucero	Summer Spring Creek	6.72	15.65
TP-13	183	2.75	Rio Lucero	Summer Spring Creek	6.60	15.37
TP-13	184	0.15	Rio Lucero	Summer Spring Creek	0.36	0.84
TP-13	185	0.15	Rio Lucero	Summer Spring Creek	0.36	0.84
TP-13	186	4.10	Rio Pueblo	"B"	9.84	22.92
TP-13	187	1.10	Rio Pueblo	"B"	2.64	6.15
TP-13	188	2.00	Rio Pueblo	Acequia Madre	4.80	11.18
TP-13	189	4.15	Rio Pueblo	Acequia Madre	9.96	23.20
TP-14	1	7.40	Rio Pueblo	South Trash Pile	17.76	41.37
TP-14	2	7.00	Rio Pueblo	South Trash Pile	16.80	39.13
TP-14	3	0.75	Rio Pueblo	South Trash Pile	1.80	4.19
TP-14	4	4.50	Rio Pueblo	South Trash Pile	10.80	25.16
TP-14	5	1.75	Rio Pueblo	South Trash Pile	4.20	9.78
TP-14	6	0.35	Rio Pueblo	Acequia Madre del Pueblo	0.84	1.96
TP-14	7	0.60	Rio Pueblo	Acequia Madre del Pueblo	1.44	3.35
TP-14	8	0.10	Rio Pueblo	Acequia Madre del Pueblo	0.24	0.56

TP-14	9	0.15	Rio Pueblo	Acequia Madre del Pueblo	0.36	0.84
TP-14	10	0.40	Rio Pueblo	Acequia Madre del Pueblo	0.96	2.24
TP-15	1	1.80	Rio Hondo	Cuchilla	4.64	14.09
TP-15	2	15.00	Rio Hondo	Cuchilla	38.70	117.45
TP-15	3	2.50	Rio Hondo	Cuchilla	6.45	19.58
TP-15	4	25.00	Rio Hondo	Cuchilla	64.50	195.75
TP-15	5	15.00	Rio Hondo	Cuchilla	38.70	117.45
TP-16	1	1.80	Rio Hondo	Cuchilla	4.64	14.09
TP-16	2	36.85	Rio Hondo	Cuchilla	95.07	288.54
TP-16	3	8.00	Arroyo Seco/Rio Lucero	Acequia de Manuel Andres Trujillo	19.20	44.72
TP-16	4	1.00	Arroyo Seco/Rio Lucero	Acequia de Manuel Andres Trujillo	2.40	5.59
SEO-9	1	40.20	Rio Lucero	Juan Manuel Lucero	96.48	224.72
SEO-11	1	1.73	Rio Lucero	Acequia Madre del Prado	4.15	9.67
SEO-12	1	16.46	Rio Lucero	Acequia Madre del Prado	39.50	92.01
SEO-12	2	17.80	Rio Lucero	Acequia Madre del Prado	42.72	99.50
SEO-12	3	2.26	Rio Lucero	Acequia Madre del Prado	5.42	12.63
SEO-12	4	4.10	Rio Lucero	Acequia Madre del Prado	9.84	22.92
SEO-12	5	1.25	Rio Lucero	Acequia Madre del Prado	3.00	6.99
SEO-13	1	5.65	Rio Lucero	Acequia Madre del Medio	13.56	31.58

SEO-13	2	18.93	Rio Lucero	Acequia Madre del Medio	45.43	105.82
SEO-13	3a	14.60	Rio Lucero	Acequia Madre del Prado	35.04	81.61
SEO-13	3b	20.40	Rio Lucero	Acequia Madre del Medio	48.96	114.04
SEO-13	3c	1.00	Rio Lucero	Cortez and Sisneros	2.40	5.59
SEO-13	4	17.43	Rio Lucero	Acequia Madre del Prado	41.83	97.43
SEO-13	5	53.30	Rio Lucero	Acequia Madre del Prado	127.92	297.95
SEO-13	6	0.67	Rio Lucero	Acequia Madre del Medio	1.61	3.75
SEO-13	7	0.17	Rio Lucero	Acequia Madre del Medio	0.41	0.95
SEO-13	8	0.06	Rio Pueblo	Acequia de los Archuletas	0.14	0.34
SEO-13	9	0.15	Rio Pueblo	Acequia de los Archuletas	0.36	0.84
SEO-13	10	0.30	Rio Lucero	Acequia Madre del Prado	0.72	1.68
SEO-13	11	0.40	Rio Lucero	Cortez and Sisneros	0.96	2.24
SEO-13	12	0.10	Rio Pueblo	McClure	0.24	0.56
SEO-15	1	16.00	Rio Lucero	Acequia Madre del Prado	38.40	89.44
SEO-15	2	42.20	Rio Lucero	Acequia Madre de la Loma	101.28	235.90
SEO-15	3	14.20	Rio Lucero	Acequia Madre de la Loma	34.08	79.38

SEO-15	4	49.65	Rio Lucero	Acequia Madre de la Loma	119.16	277.54
SEO-15	5	2.00	Rio Lucero	Acequia Madre de la Loma	4.80	11.18
SEO-15	6	2.25	Rio Lucero	South la Loma Lateral	5.40	12.58
SEO-15	7	2.60	Rio Lucero	South la Loma Lateral	6.24	14.53
SEO-15	8	2.50	Rio Lucero	South la Loma Lateral	6.00	13.98
SEO-15	9	0.01	Rio Lucero	South la Loma Lateral	0.02	0.06
SEO-15	10	7.10	Rio Lucero	South la Loma Lateral	17.04	39.69
SEO-15	11	25.25	Rio Lucero	Cortez and Sisneros	60.60	141.15
SEO-15	12	27.00	Rio Pueblo	Acequia de los Lovatos	64.80	150.93
SEO-15	13	19.56	Rio Pueblo	Acequia de los Lovatos	46.94	109.34
Totals:		5712.78			14217.44	31665.15

Further information concerning the location of each irrigated tract is provided by the Water Use Survey. The details of the methodology used to calculate the diversion and depletion amounts claimed for each tract are provided in the Andrew Keller memorandum described in footnote 5, supra.

Irrigation Prior to the Twentieth Century

Based on archeological evidence, the United States claims on behalf of Taos Pueblo the right to irrigate 9,220 acres. The location of this acreage is indicated on the map entitled "Irrigation and Settlement Feature On and Near Taos Pueblo Lands,"

prepared by Historical Research Associates,⁶ and will be further specified by means of expert testimony to be disclosed on or before November 3, 1997. The portion of this acreage that has not already been claimed for irrigation purposes in the preceding "Twentieth Century Irrigation" section of this statement of claim amounts to 5,220 acres. Of these additional acres 840 acres were irrigated from the Rio Hondo with a probable point of diversion in the Cuchilla ditch location. Based on Keller, the United States claims on behalf of Taos Pueblo 2,167 acre feet per year of depletion and 6,577 acre feet per year of diversion for the irrigation of these lands. An additional 4,380 acres were irrigated from the Rio Pueblo de Taos system (including the Rio de Lucero), with probable points of diversion in the vicinity of the Tenorio, Juan Manual Lucero, Beeline, Grouse, Elk Horn and Cicada Nose ditches. Based on Keller, the United States claims on behalf of Taos Pueblo 10,512 acre feet per year of depletion and 24,484 acre feet per year of diversion for the irrigation of these lands. The total claim based on lands irrigated prior to the 20th century, but not during the 20th century, is therefore for 12,679 acre feet per year of depletion and 31,061 acre feet per year of diversion.

Religious and Ceremonial Uses

Taos Pueblo's religious and ceremonial practices are ancient in origin and have been preserved to modern times through strictures of privacy and secrecy enforced against outsiders, including other Pueblos, and even between members of different clans within the Pueblo. This essential secrecy of the practices is in tension with the public character of this adjudication, which will quantify the Pueblos' rights to use water in

⁶ A small faxed copy of this map is attached hereto. Large-scale color copies of this map are being produced and will be provided to the locations indicated in footnote 4, supra, as soon as available.

connection with its religious and ceremonial practices. In consequence the United States' ability to investigate the nature and quantity of these most important water uses has been impeded by the superseding obligation to respect the Pueblo's sacred and ceremonial practices. The United States urges the Court to allow claims for these uses to be further stated after further consultation with the Pueblo and after such time as the parties can craft a protective order which will allow information sufficient for the purposes of this adjudication to be revealed without impairing the dignity and integrity of the practices for which the water is required. For the time being, the United States adopts and incorporates herein by this reference all claims for the use of water for religious and ceremonial purposes stated in "Taos Pueblo's Amended Supplemental Claims For Historically and Presently Used Water Rights," filed herein on October 21, 1996. The United States emphasizes that Taos Pueblo's time immemorial religious and ceremonial uses of water were recognized and protected by the United States Congress in section 4 of the Act of May 31, 1933, 48 Stat. 108, as amended by Public Law 91-550, 84 Stat. 1437 (Dec. 15, 1970).

The United States' also has stated a claim for Taos Pueblo's Sacred Buffalo Pasture, which is described in the Water Use Survey and included within the preceding claims for irrigation uses of water in this statement of claims. The United States asserts that this claim is based not only upon past and present irrigation practices, but also upon the ancient and continuing religious and ceremonial practices of the Pueblo, the water-dependent resources required by those practices, and the right of the people of Taos Pueblo to freely exercise their religion.

Dated: July 31, 1997.

COUNSEL FOR THE UNITED STATES:

A handwritten signature in dark ink, appearing to read "Bradley S. Bridgewater", is written over a horizontal line.

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CERTIFICATE OF SERVICE

I hereby certify that I served the "UNITED STATES' REVISED STATEMENT OF CLAIM FOR WATER RIGHTS OF TAOS PUEBLO FOR PAST AND PRESENT USES " by first class mail, postage prepaid, on Thursday, July 31, 1997, to the persons on the attached distribution list.

A handwritten signature in cursive script that reads "Deirdre Hills".

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Memorandum

To: Christopher Banet
From: Andrew Keller
Cc: Brad Bridgewater
Date: July 29, 1997
Sub: Taos Water Duty

The following table provides a calculation of the water duty, with unit depletion and diversion amounts, for the Taos Pueblo claim for lands, including wet meadows (i.e., sacred pasture), irrigated from surface waters of the Rio Pueblo de Taos and the Rio Hondo.

	Rio Pueblo de Taos		Rio Hondo
Use	Irrigated Land	Wet Meadows	Irrigated Land
ET	28.98	46.10	28.98
CIR (in)	23.48	37.74	23.48
CIR (ac-ft/ac)	1.96	3.14	1.96
On-farm efficiency	50%	100%	50%
Farm Delivery Req. (ac-ft/ac)	3.91	3.14	3.91
Off-farm efficiency	70%	70%	50%
Diversion Req. (ac-ft/ac)	5.59	4.49	7.83
Evaporation loss (%)	8%	8%	8%
Evaporation loss (ac-ft/ac)	0.45	0.36	0.63
Depletion (ac-ft/ac)	2.40	3.50	2.58

The irrigated land evapotranspiration, ET, and consumptive irrigation requirement, CIR, are based on the average crop mix for the Taos Pueblo: alfalfa 29.0%, alfalfa establishment 5.8%, other hay 24.6%, pasture 25.0%, orchard 0.7%, spring grain 8.2%, garden 1.6%, and corn 5.1%. This crop mix was derived from the 1958-1988 BIA crop reports for the Pueblo. The ET and CIR are the averages for 1935-1988 using the average crop mix. The ET was calculated on a monthly basis using the Hargreaves-Samani (Hargreaves 1985) method. Effective precipitation for netting out the consumptive irrigation requirement was calculated using the SCS TR21 method.

An overall irrigation efficiency of 35% for lands irrigated with water from the Rio Pueblo de Taos was derived from the calibration of the surface water model of the Rio Pueblo de Taos Basin. From this an on-farm efficiency of 50% and off-farm (conveyance) efficiency of 70% were assumed ($50\% \times 70\% = 35\%$). Eight percent of the total diversion is assumed to be lost to evaporation. This was also computed as a result of the model calibration. Thus the total depletion equals the CIR plus the evaporation loss at 8% of the total diversion. The off-farm efficiency for Pueblo lands served by water diverted from the Rio Hondo is estimated at 50% since significant losses occur in the main conveyance ditch along its traverse from the diversion on the Rio Hondo to the mesa top.

The wet meadow ET is calculated as 1.6 times irrigated pasture ET. The wet meadow CIR is estimated assuming 100% effective rainfall during the growing season. The on-farm efficiency for wet meadow areas is assumed to be 100%. Since water is diverted and conveyed to the fringes of the wet meadow areas, conveyance losses occur and these were assumed to be the same as for the irrigated lands, 70% with 8% of the diversion requirement being loss to evaporation. This diversion requirement and associated evaporation applies to any wet meadow area (i.e., sacred pasture) which is supplied by surface water.