OSE-2770

Depletions

	NM		KBE	
	2000	2060 Actual projected use	2000	2060 Full water right
Jicarilla adv. Navajo	1	1	2	20
Jicarilla - PNM contract **	0	16	16	0
Jicarilla - SJ Chama	*	*	7	7
Jicarilla - future M&I	0	9	0	8
Jicarilla - Total	7	33	25	35 (34 w/o rounding)
Navajo - Arizona, NGWSP	did not include in NM		0	5
Navajo - NIIP	149	254*	146	270
Navajo - ALP	0	**	0	3
Navajo - NGWSP	0	***	0	18
Navajo - Hogback/Cudei	+	+	11	29
Navajo - Fruitland/Misc.	#	#	10	16
Navajo - Total (NM)	170	309	167	336

* Full 6.5 inc. in total SJC dep. of 108

** PNM contract has clause for extension negotiations w/Jicarillas and goes from 2006 - 2027

* Assumes 5% land fallowing

** Full 2.7 inc. in total ALP (NM) dep. of 14

*** 15.5 inc. in NGWSP total for NM (potential M&I dep's.)

\+ 13.0 inc. in Framework Study (2000) plus 13 in 2060 (26 in 2060)

\# 7.9 inc. in Framework Study (2000) plus 3 in 2060 (11 in 2060)

9/12/00 - Ron recognized math error & ALP change to 37 total Hogback + Cudei + Fruitland

Depletions

Reach	Item	2000	2010	2020	2030	2040	2050	2060
801	D-1/Q+2	2	3	3	4	4	5	5
	D-2	108	108	108	108	108	108	108
	D-3 (div)	183	286	334	334	334	334	334
	R+3	28	28	28	28	28	28	28
	D-6/Q+8	75	75	78	78	78	78	78
	D-7/Q+9	15	19	25	29	30	30	30
	Q+10 (ret)	34	57	67	67	67	67	67
802	D-1/Q+2	53	53	64	69	78	79	80
	D-2/Q+4	20	21	35	36	36	36	36
NM Total Depletion		450	536	608	619	629	631	632

with: 1) 267 for full NIIP (zero acreage fallow)
2) Navajo-Gallup Project div. @ SJPP or Hogback

DEPLETIONS FROM THE UPPER COLORADO RIVER BASIN IN NEW MEXICO IN 1000 ACRE-FEET
(Historic quantities based on data used for Colorado River System Consumptive Uses and Losses Reports)

YEAR	NM AGRIC. ABOVE ARCHULETA D-1/Q+2 (1)	SJ-CHAMA EXPORT D-2 (2)	NIIP DIVERSION D-3 (3)	NAVAJO RES. EVAP R+3 (4)	NM AGRIC. BELOW ARCHULETA D-6/Q+8 (5)	NM MISC. USES D-7/Q+9 (6)	NIIP RETURN FLOW Q+10 (7)	TOTAL NM DEPLETION REACH 801 (8)	SJ ENERGY & M&I D-1/Q+2 (9)	NM USES BELOW SHIPROCK D-2/Q+4 (10)	TOTAL NM DEPLETION REACH 802 (11)	TOTAL DEPLETION NEW MEXICO (12)
1970	1	0	0	22	67	11	0	101	16	15	31	132
1971	1	54	0	18	69	7	0	149	16	15	31	180
1972	1	41	0	17	82	8	0	149	21	14	35	184
1973	1	175	0	26	76	8	0	286	20	14	34	320
1974	1	48	0	19	86	8	0	162	25	13	38	200
1975	1	145	0	22	78	9	0	255	22	13	35	290
1976	1	84	35	20	96	9	1	244	23	12	35	279
1977	1	19	38	19	84	9	1	169	28	12	40	209
1978	1	105	51	25	97	10	2	287	26	12	38	325
1979	1	164	76	23	91	10	4	361	28	12	40	401
1980	1	144	110	32	91	10	7	381	32	12	44	425
1981	1	54	92	38	89	18	17	275	28	13	41	316
1982	1	131	115	36	73	19	21	354	34	13	47	401
1983	1	130	129	33	68	19	24	356	33	13	46	402
1984	1	114	127	39	71	16	23	345	38	13	51	396
1985	1	92	132	32	79	17	24	329	34	13	47	376
1986	1	89	155	26	69	12	34	318	37	13	50	368
1987	1	83	131	30	55	13	28	285	41	13	54	339
1988	1	64	118	32	61	12	26	262	41	12	53	315
1989	1	50	171	50	69	14	35	320	48	12	60	380
1990	1	76	143	32	71	13	28	308	42	12	54	362
1991	2	113	153	43	63	13	33	354	35	12	47	401
1992	2	87	146	44	62	13	38	316	35	12	47	363
1993	2	99	166	39	62	15	45	338	44	12	56	394
1994	2	82	181	43	60	15	47	336	45	11	56	392
1995	2	86	182	38	62	16	56	330	43	12	55	385
2000	2	108	183	28	75	15	34	377	53	20	73	450
2010	3	108	286	28	75	19	57	462	53	21	74	536
2020	3	108	318	28	78	25	64	496	64	35	99	595
2030	4	108	318	28	78	29	64	501	69	36	105	606
2040	4	108	318	28	78	30	64	502	78	36	114	616
2050	5	108	318	28	78	30	64	503	79	36	115	618
2060	5	108	318	28	78	30	64	503	80	36	116	619

NOTES:

(1) Includes irrigation, stock and M&I uses above Navajo Reservoir excluding San Juan-Chama Export.
(2) 135,000 af/yr average is authorized for the San Juan-Chama Project. Updating the study period for recent hydrology gives an average depletion of 108,000 af/yr.
(3)&(7) Future quantities assume 5% fallow acreage in any year for the Navajo Indian Irrigation Project at completion.
(4) Navajo Reservoir evaporation is not adjusted for water salvaged.
(5) Irrigation and stock uses below Navajo Dam and above Hogback, excluding Navajo Indian Irrigation Project.
(6) M&I, F&W and miscellaneous uses between Navajo Reservoir and Hogback.
(7) Historic quantities include estimated ground-water returns and operational waste.
(8) (1)+(2)+[(3)-(7)]+(4)+(5)+(6)
(9) Includes power uses by San Juan and Four Corners power plants. Future quantities include also M&I diversions by the Navajo-Gallup Water Supply Project.
(10) Irrigation, stock and M&I uses below Hogback.
(11) (9)+(10)
(12) (8)+(11)

OSE-2772

TABLE 4. RECOMMENDED BASELINE DEPLETIONS FROM THE SAN JUAN BASIN FOR NEW MEXICO

(UNITS: AVERAGE ANNUAL DEPLETIONS IN 1,000 ACRE-FEET)

DEVELOPMENT	DEPLETION
IRRIGATION DEPLETIONS:	
INDIAN LANDS:	
NAVAJO INDIAN IRRIGATION PROJECT BLOCKS 1-8	149.4 (133+ 16.4 transferred of unused Fr/Hog/Ext.)
HOGBACK (1)	12.1
FRUITLAND	7.9
CUDEI	0.9
CHACO RIVER	3.1
WHISKEY CREEK	0.3 } 24.3 1965 uses
SUBTOTAL	173.7
NON-INDIAN LANDS:	
ABOVE NAVAJO DAM	1.3
ANIMAS RIVER (2)	31.7
LA PLATA RIVER (3)	5.1
UPPER SAN JUAN RIVER (4)	8.2
HAMMOND AREA (5)	9.2
FARMERS MUTUAL DITCH	8.7
JEWETT VALLEY	2.8
WESTWATER	0.1
CHACO RIVER	0.7
SUBTOTAL	67.8 — 58.6 w/o 9.2 Hammond
TOTAL IRRIGATION DEPLETIONS (82.9 Framework + 9.2 Hammond + 133.0 NIIP + 10.0 Hog Back Ext + 6.4 unused Fr/Hog transferred to NIIP)	241.5
NON-IRRIGATION DEPLETIONS:	
NAVAJO RESERVOIR EVAPORATION	26.0 → 28.0 change
UTAH INTERNATIONAL	39.0 → 37.0 (+2 unused)
SAN JUAN POWERPLANT (CONTRACT FROM NAVAJO RES.)	16.2
INDUSTRIAL DIVERSIONS NEAR BLOOMFIELD	2.5
MUNICIPAL AND INDUSTRIAL USES (2.5, 3.9, 1,4 1970 water plan)	8.9 } 10.3 total M&I framework 66-99 chg
SCATTERED RURAL DOMESTIC USES (all substant. lower Type I)	1.4 }
SCATTERED STOCKPONDS AND LIVESTOCK USES (4.3, 1.4 all but industr. seem high)	4.3
FISH AND WILDLIFE	1.4 — some may be 2x counted w/carriage
TOTAL NON-IRRIGATION DEPLETIONS	99.7
SAN JUAN-CHAMA PROJECT EXPORTATION	110.0 → 108.0 change
UNSPECIFIED MINOR DEPLETIONS ALLOWED UNDER RECOVERY IMPLEMENTATION PROGRAM SINCE 1992	1.5 — in #'s above as uses prior to 1991
TOTAL DEPLETIONS (NEW MEXICO, EXCLUDING ALP)	452.7 449.8 without 6.4 Fr/Hog transfer to NIIP + 1.5 minor dep. depl.
ANIMAS-LA PLATA PROJECT (COLORADO AND NEW MEXICO)	57.1
	OR 449.2 without 2 unused & 1.5 minor dep. dep

NOTES:

(1) INCLUDES HOGBACK PROJECT AND HOGBACK EXTENSION.
(2) INCLUDES ANIMAS RIVER, ECHO DITCH AND FARMINGTON GLADE AREAS.
(3) INCLUDES UPPER LA PLATA AND LA PLATA RIVER AREAS.
(4) INCLUDES CITIZEN'S DITCH AND OTHER DITCHES.
(5) DEPLETION FOR HAMMOND AREA IS COMPUTED USING THE AUTHORIZED ACREAGE FOR THE HAMMOND PROJECT OF 3,933 ACRES.

Table 4.2
1994 Crop Acreage Data From the ISC (Acres)

Crop	East Hogback	West Hogback	Fruitland	Cudei	Total
Corn/Sorghum	257	390	394	83	1,124
Grains	76	59	100	0	235
Alfalfa	459	883	1,145	156	2,653
Vegetable	85	131	135	11	362
Orchard	0	8	7	0	15
Pasture	197	541	514	86	1,338
Irrigated	1,074	2,012	2,295	336	5,727
Not Irrigated	1,050	2,220	1,039	276	4,585
Total	2,124	4,232	3,334	612	10,302

Table 4.3
2000 Crop Acreage Data From the ISC (Acres)

Crop	East Hogback	West Hogback	Fruitland	Cudei	Total
Corn/Sorghum	204	277	314	59	854
Grains	52	33	48	22	155
Alfalfa	538	1,113	1,353	146	3,150
Vegetable	78	113	123	11	325
Orchard	6	6	4	0	16
Pasture	166	298	240	75	779
Sod	2	3	0	0	5
Irrigated	1,046	1,843	2,085	313	5,287
Not Irrigated	1,078	1,857	1,180	300	4,415
Total	2,124	3,700	3,264	613	9,701

MESSAGE Dated: 4/2/01 at 16:31
Subject: Meeting Contents: 2
Creator: John Whipple /seo,state,nm,us

Item 1

TO: jwhipple /seo,out (john_leeper@kestral.bia.gov)

Item 2

John:

Phil Mutz and I discussed the following as topics that we might place on an agenda for our Navajo Nation water rights meeting on Tuesday, April 17. I am trying to reserve a conference room at the Albuquerque office of the State Engineer from 9:00 am to 1:00 pm.

- New Mexico depletion schedule.
- Animas-La Plata Project depletions (SJWC application)
- Navajo-Gallup Project water sources (Jicarilla, NIIP, ALP)
- Modified vs. Original Blaney-Criddle method for irrigation rights in the San Juan Basin.1
- Accounting minor depletions removed from the San Juan River.

Do you have other suggestions?

John Whipple

1 Tom decided original Blaney-Criddle

John 4-1-01

Can you have available at
4-17, not for the meeting
but for my info, how
much Jicarilla depletion
is id our 1999
anticipated schedules? Also,
I assume there is no
depletion for ALP on the
schedule

To: →

See Attached -

1998 Deplet
Units:

Jicarilla -
16.2 lease
9.3 futur
~ 0.3 curren

Note: NIIP co
baseline cur

ALP -
14 → 10.7 [illegible]
(rounded) 2.3 Navajo
~ 1.0 NM share of res. evap.
13.7

(ISC was not aware of 0.8 allocation
for La Plata Conservancy Dist. in NM
at time depletion schedules were adopted)

1998 Depletion Schedules
Units: TAF

Jicarilla -

16.2 lease to PNM (16 rounded)
9.3 future M&I (9 rounded)
~ 0.3 current Domestic/Ecnvg.

Note: NIIP consultation used 2.2 for baseline current/historic Jicarilla uses (6.5 also included as part of SJC Project)

ALP -

14 (rounded) → 10.4 SJWC
2.3 Navajo
~ 1.0 NM share of res. evap.
13.7

(ISC was not aware of 0.8 allocation for La Plata Conservancy Dist. in NM at time Depletion Schedules were adopted)

ICMR
9/29/99
9:30 am

Interstate Stream Commission

(505) 827-6160
Fax: (505) 827-6188

FAX TRANSMISSION COVER SHEET

Date: September 29, 1999

To: Wayne Cook

Fax: (801) 531-9705

Re: Depletion Schedule

Sender: John Whipple

YOU SHOULD RECEIVE 2 PAGE(S), INCLUDING THIS COVER SHEET. IF YOU DO NOT RECEIVE ALL THE PAGES, PLEASE CALL (505) 827-6160.

Attached is a depletion schedule for New Mexico. Call me if you have questions.
John

M E M O R A N D U M

June 13, 1997

TO: File

FROM: John Whipple, Staff Engineer, ISC

SUBJECT: Baseline Depletions from the San Juan River Basin

The U.S. Bureau of Reclamation (USBR) has twice consulted formally with the U.S. Fish and Wildlife Service (FWS) under Section 7 of the Endangered Species Act regarding construction and operation of the Animas-La Plata Project (ALP). The FWS issued its original Biological Opinion for the ALP in 1991 and issued a revised Biological Opinion in 1996. For each opinion, an environmental baseline was defined to include the environmental impacts of past and present human activities in the San Juan River Basin (Basin) and of anticipated impacts of proposed federal projects in the Basin which had previously undergone formal Section 7 consultation. The opinions also considered the impacts likely to result from future state and private activities that are reasonably foreseeable to occur in the Basin.

Information on historic and planned future water depletions by water development projects in the Basin were taken from data previously provided by the states of Colorado and New Mexico to provide the baseline for the 1991 Biological Opinion for the ALP. The 1996 Biological Opinion made modifications to the baseline

depletions to reflect the results of Section 7 consultation between the Bureau of Indian Affairs (BIA) and the FWS on the Navajo Indian Irrigation Project (NIIP) and for minor depletions subsequent to 1991. The states were not privy to the consultations on the ALP or the NIIP or to the development of the revised baseline.

The Cooperative Agreement for the San Juan River Basin Recovery Implementation Program (RIP), signed by RIP participants in 1992, adopted the RIP Program Document (RIP Document) which includes, in Table 2.3, baseline depletions from the San Juan River in Colorado and New Mexico as obtained from the 1991 Biological Opinion for the ALP and in Utah as obtained from the State of Utah. The baseline depletions given in the RIP Document are average annual water depletions at the sites of use, but were treated in the 1991 and 1996 Biological Opinions as having a full depletion impact on streamflow of the San Juan River at Bluff, Utah. Neither the states nor the Coordination Committee for the RIP have agreed to changes to the baseline depletions given in the RIP Document.

New Mexico accepted for the baseline depletions the total of its average annual depletions given in the RIP Document. However, New Mexico advised that the baseline depletions for individual water projects and ditches had been grouped in the baseline and should not be taken as the total depletion for the name given the group, and that the listed depletions may need to be disaggregated and revised.

The FWS recently requested Colorado and New Mexico to submit the states' disaggregations of baseline depletions in the Basin, and New Mexico has advised the FWS of its position that the total of the baseline depletion figures originally provided by the states should be used in future Section 7 consultations. The following is an analysis to disaggregate the baseline depletions in the Basin for New Mexico.

The irrigation depletions in the baseline of the 1991 Biological Opinion for the ALP included for New Mexico the historic irrigation depletions as indicated by the Soil Conservation Service's (SCS) Type I Survey of water uses in the Basin in New Mexico in 1965 (1965 Type I Survey) and the depletion requirements for authorized project developments after 1965, including blocks 1-6 of the NIIP, the Hogback Extension and completion of the Hammond Project. The baseline depletions in the RIP Document include the baseline depletions from the 1991 Biological Opinion and in addition include also an average annual depletion of 57,100 acre-feet per year for the initial phase of the ALP to be divided between Colorado and New Mexico.

The 1996 Biological Opinion revised some of the baseline depletions from the 1991 Biological Opinion as follows. The 1996 Biological Opinion appears to have corrected the total depletions for Indian irrigation projects in New Mexico by redesignating 8,000 acre-feet of depletion to Farmers Mutual Ditch that was grouped

with the Hogback Project depletions in the 1991 Biological Opinion. This correction is consistent with the baseline depletion analysis given in memoranda prepared by Philip B. Mutz, dated January 21, 1993, and February 11, 1993, on the subject of Section 7 consultation on the NIIP. The 1996 Biological Opinion also transferred about 16,400 acre-feet of depletion from the Hogback Project, including the Hogback Extension, to blocks 7 and 8 of the NIIP and added about 1,500 acre-feet of minor depletions allowed under the RIP since 1992. Table 1 attached hereto lists the baseline depletions from the San Juan River for New Mexico as given in the 1991 and 1996 opinions.

The total baseline depletion for New Mexico has been disaggregated from the 1965 Type I Survey consumptive uses for irrigation in the Basin. Table 2 attached hereto shows the 1965 Type I Survey data for total acreages, irrigated acres and consumptive irrigation uses for specified groups of irrigation areas in New Mexico. These data are taken from a SCS spreadsheet dated August 20, 1968, and entitled: Upper Colorado Region, Type I Survey, New Mexico, Water Resources, Present Water Use, Consumptive Irrigation Requirements in Acre-Feet by Evaluation Areas and Crops. The data given in table 2 are also corrected for mathematical errors in the SCS spreadsheet.

The irrigation areas specified in table 2 are delineated in Figure 1 of the June 11, 1997, memorandum prepared by John Whipple

and Patricia Turney on the subject of irrigated acreage in the San Juan Basin in New Mexico (June 11 memorandum). The total acres shown in table 2 include irrigated acres, fallow and idle cropland acreage, and acres of land not irrigated because of water shortages. The consumptive irrigation uses are long-term average annual consumptive uses for the amounts of irrigated acreage found in 1965 and take into account water supply shortages. The irrigation depletions shown in table 2 are computed from the consumptive irrigation uses and assuming that the incidental depletions average about 16 percent of the amount of consumptive irrigation use.

The June 11 memorandum provides an analysis of historic irrigated acreage by irrigation area which can be used to disaggregate the 1965 Type I Survey data to each of the individual irrigation areas. The irrigation depletions for groups of irrigation areas from table 2 were disaggregated to the depletions shown in table 3 attached hereto for individual irrigation areas. This disaggregation was accomplished by distributing the depletions in accordance with the 1965 irrigated acreages for irrigation areas as determined by the June 11 memorandum. The acreages under irrigation in 1965 as found by the 1965 Type I Survey are less than the decreed and authorized acreages for irrigation areas in New Mexico. However, the irrigated acreage analysis presented in the June 11 memorandum indicates that irrigation depletions have not

increased over those estimated by the 1965 Type I Survey for most irrigation areas in the Basin in New Mexico. Irrigation depletions have increased since 1965 in the NIIP, which was not in irrigation in 1965, and the Hammond Project, which was expanded after 1965.

Table 4 attached hereto lists recommended baseline depletions for New Mexico. Table 4 incorporates the disaggregation of irrigation depletions shown in table 3 and includes the transfer of 16,400 acre-feet of depletion to blocks 7 and 8 of the NIIP from lands authorized to receive irrigation water under other Indian irrigation projects in New Mexico. The Hammond area irrigation depletion shown in table 4 was computed using the Hammond Project authorized acreage of 3,933 acres, the crop consumptive irrigation requirements for this area that were used in the 1965 Type I Survey, and an assumed incidental depletion of 16 percent of the consumptive use.

The depletions shown in table 4 for Navajo Reservoir evaporation and San Juan-Chama Project exportation are long-term average annual depletions obtained from planning studies. The depletion shown in table 4 for Utah International is based on its water rights permit, and the depletion for San Juan powerplant is based on Public Service Company of New Mexico's contract with the Secretary of the Interior for water from Navajo Reservoir. The depletions shown in table 4 for other non-irrigation depletions,

excluding municipal and industrial uses, are average annual depletions obtained from State Water Plan data for 1970.

State Water Plan data for 1970 indicated a depletion in New Mexico of 3,900 acre-feet for municipal and industrial uses, and New Mexico planning projections in 1974 indicated that annual municipal and industrial depletions by the City of Farmington would increase by 5,000 acre-feet by the year 1990. New Mexico State Engineer Office Technical Report 47 shows that urban water systems in the Basin in New Mexico depleted about 9,300 acre-feet of water in 1990, of which about 7,200 acre-feet was depletion by Farmington. Table 4 includes in the baseline depletions 8,900 acre-feet for municipal and industrial uses.

Also included in table 4 is the initial phase of the ALP which has undergone Section 7 consultation. The 1991 Biological Opinion approved an average annual depletion of 57,100 acre-feet per year for the ALP, and the 1996 Biological Opinion revised this to approve a maximum annual depletion of 57,100 acre-feet for the ALP. However, the RIP participants have not agreed to any change from the average annual depletion of 57,100 acre-feet per year included for the ALP in the baseline depletions given in the RIP Document. The amount of depletion for the ALP is yet to be divided between water users in the states of Colorado and New Mexico.

In formulating biological opinions, the FWS considers impacts from activities that are reasonably foreseeable to occur within a

project area, the impacts of a proposed federal action for the project and impacts from actions that are part of the environmental baseline. Based on table 4, the total baseline depletion from the Basin for New Mexico is an average annual depletion of 452,700 acre-feet per year plus that portion of the initial 57,100 acre-feet per year of ALP depletion to be made by New Mexico. However, the irrigation depletions from ephemeral streams in the Chaco River and Whiskey Creek areas, which in total amount to 4,100 acre-feet of the baseline depletion from table 4, are so far removed from the San Juan River that these depletions have virtually no impact on streamflow in the San Juan River. Also, much of the stockpond and livestock depletions scattered throughout the Basin in New Mexico occurs far from the San Juan River on ephemeral streams, especially in the large drainages south of the river, such that they have little impact on streamflow in the river. It is assumed that stockpond evaporation and livestock water consumption in New Mexico deplete the flow of the San Juan River by an average of approximately 2,200 acre-feet per year, which is about one-half the total at-site water depletion by stockponds and livestock in the Basin in New Mexico.

Therefore, the total baseline depletion from the San Juan River for New Mexico is an average annual depletion of 446,500 acre-feet per year plus that portion of the initial 57,100 acre-feet per year of ALP depletion to be made by New Mexico. Table 5

attached hereto lists the recommended baseline depletions from the San Juan River for New Mexico. These baseline depletions are average annual depletions at the sites of use, and the actual depletions in any one year may be higher or lower than those indicated in table 5.

\rs\sanjuan\m-file2.fnl

TABLE 1. BASELINE DEPLETIONS FROM THE SAN JUAN RIVER LISTED FOR NEW MEXICO IN THE 1991 AND 1996 BIOLOGICAL OPINIONS ON THE ANIMAS-LA PLATA PROJECT

(UNITS: AVERAGE ANNUAL DEPLETIONS IN 1,000 ACRE-FEET)

DEVELOPMENT	1991 OPINION	1996 OPINION
SPECIFIED IRRIGATION DEPLETIONS:		
NAVAJO INDIAN IRRIGATION PROJECT BLOCKS 1-8 (1)	133.0	149.4
HOGBACK (2)	30.7	23.3
HOGBACK EXTENSION	10.0	0.0
FRUITLAND (2)	7.0	
CITIZEN'S DITCH	15.0	15.0
HAMMOND PROJECT	10.0	10.0
FARMERS MUTUAL DITCH		8.0
JEWETT VALLEY	2.0	2.0
SPECIFIED NON-IRRIGATION DEPLETIONS:		
NAVAJO RESERVOIR EVAPORATION	26.0	26.0
UTAH INTERNATIONAL	39.0	39.0
SAN JUAN POWERPLANT (CONTRACT FROM NAVAJO RES.)	16.0	16.0
INDUSTRIAL DIVERSION	3.0	3.0
MUNICIPAL AND INDUSTRIAL DIVERSIONS	5.0	5.0
SAN JUAN-CHAMA PROJECT EXPORTATION	110.0	110.0
UNSPECIFIED DEPLETIONS BY EXISTING PRIVATE RIGHTS	38.3	38.3
UNSPECIFIED MINOR DEPLETIONS ALLOWED UNDER RECOVERY IMPLEMENTATION PROGRAM SINCE 1992		1.5
TOTAL, NEW MEXICO (3)	445.0	446.5

NOTES:

(1) DEPLETION AMOUNT FOR NIIP IN THE 1991 OPINION INCLUDES ONLY BLOCKS 1-6.

(2) DEPLETION AMOUNT FOR HOGBACK IN THE 1996 OPINION INCLUDES DEPLETIONS FOR BOTH HOGBACK AND FRUITLAND.

(3) TOTAL DEPLETIONS EXCLUDE NEW MEXICO'S PORTION OF THE DEPLETION FOR ALP. THE RIP DOCUMENT INCLUDES IN THE BASELINE BOTH DEPLETIONS FROM THE 1991 OPINION AND AN AVERAGE ANNUAL DEPLETION OF 57,100 AF FOR ALP.

TABLE 2. 1965 TYPE I SURVEY IRRIGATION WATER USES

IRRIGATION AREA	TOTAL ACRES	ACRES IRRIGATED	CONSUMPTIVE IRRIGATION USE (1) FEET	CONSUMPTIVE IRRIGATION USE (1) 1000 AF	IRRIGATION DEPLETION IN 1000 AF (2)
INDIAN LANDS:					
FRUITLAND & HOGBACK-EAST COMBINED	6,200	5,200	2.06	10.7	12.4
HOGBACK-WEST & CUDEI COMBINED (3)	4,800	3,700	1.97	7.3	8.5
CHACO RIVER	6,500	3,300	0.82	2.7	3.1
WHISKEY CREEK	500	300	1.00	0.3	0.3
SUBTOTAL	18,000	12,500		21.0	24.3
NON-INDIAN LANDS:					
ABOVE NAVAJO DAM	1,300	900	1.22	1.1	1.3
ANIMAS RIVER, ECHO DITCH AND FARMINGTON GLADE COMBINED	16,400	15,600	1.75	27.3	31.7
UPPER LA PLATA AND LA PLATA RIVER COMBINED	5,000	4,500	0.98	4.4	5.1
UPPER SAN JUAN RIVER, HAMMOND AREA, FARMERS MUTUAL DITCH, JEWETT VALLEY AND WESTWATER COMBINED (4)	11,100	10,500	2.01	21.1	24.5
CHACO RIVER	1,100	900	0.67	0.6	0.7
SUBTOTAL	34,900	32,400		54.5	63.3
TOTAL	52,900	44,900		75.5	87.6

NOTES:
(1) CONSUMPTIVE USE FIGURES CONSIDER CIR'S AND WATER SUPPLY SHORTAGES.
(2) ISC ASSUMES INCIDENTAL DEPLETIONS OF ABOUT 16% OF THE CONSUMPTIVE USE TO DETERMINE IRRIGATION DEPLETIONS.
(3) EXCLUDES HOGBACK EXTENSION.
(4) INCLUDES 2,900 ACRES OF HAMMOND PROJECT, OF WHICH ISC ESTIMATES APPROX. 2,000 AC. WERE IRRIGATED WITH A C.U. OF ABOUT 4,000 AF AND A DEPLETION OF ABOUT 4,600 AF IN 1965. EXCLUDES 1,000 ACRES OF HAMMOND PROJECT NOT YET CONSTRUCTED IN 1965.

TABLE 3. DISAGGREGATION OF IRRIGATION DEPLETIONS COMPUTED FROM THE 1965 TYPE I SURVEY TO INDIVIDUAL IRRIGATION AREAS

IRRIGATION AREA	IRRIGATION DEPLETION (1000 AF)
INDIAN LANDS:	
FRUITLAND (1)	7.9
HOGBACK-EAST (1)	4.5
HOGBACK-WEST (2)	7.6
CUDEI (2)	0.9
CHACO RIVER	3.1
WHISKEY CREEK	0.3
-SUBTOTAL	24.3
NON-INDIAN LANDS:	
ABOVE NAVAJO DAM	1.3
ANIMAS RIVER (3)	30.5
ECHO DITCH (3)	1.0
FARMINGTON GLADE (3)	0.2
UPPER LA PLATA (4)	0.2
LA PLATA RIVER (4)	4.9
UPPER SAN JUAN RIVER (5)	8.2
HAMMOND AREA (5)	4.7
FARMERS MUTUAL DITCH (5)	8.7
JEWETT VALLEY (5)	2.8
WESTWATER (5)	0.1
CHACO RIVER	0.7
SUBTOTAL	63.3
TOTAL	87.6

NOTES:

(1) THE DEPLETION FOR FRUITLAND AND HOGBACK-EAST AREAS COMBINED WAS DISTRIBUTED ASSUMING 3,300 AC. WERE IRRIGATED IN FRUITLAND AND 1,900 AC. WERE IRRIGATED IN HOGBACK-EAST IN 1965.

(2) THE DEPLETION FOR HOGBACK-WEST AND CUDEI AREAS COMBINED WAS DISTRIBUTED ASSUMING 3,300 AC. WERE IRRIGATED IN HOGBACK-WEST AND 400 AC. WERE IRRIGATED IN CUDEI IN 1965.

(3) THE DEPLETION FOR ANIMAS RIVER, ECHO DITCH AND FARMINGTON GLADE AREAS COMBINED WAS DISTRIBUTED ASSUMING THE FOLLOWING DISTRIBUTION OF IRRIGATED ACREAGE IN 1965:

ANIMAS RIVER	15,000 AC.
ECHO DITCH	500 AC.
FARMINGTON GLADE	100 AC.

(4) THE DEPLETION FOR UPPER LA PLATA AND LA PLATA RIVER AREAS COMBINED WAS DISTRIBUTED ASSUMING 200 AC. WERE IRRIGATED IN UPPER LA PLATA AND 4,300 AC. WERE IRRIGATED IN LA PLATA RIVER IN 1965.

(5) THE DEPLETION FOR NON-INDIAN IRRIGATED LANDS ALONG THE SAN JUAN RIVER BETWEEN NAVAJO DAM AND SHIPROCK WAS DISTRIBUTED ASSUMING THE FOLLOWING DISTRIBUTION OF IRRIGATED ACREAGE IN 1965:

UPPER SAN JUAN RIVER	3,500 AC.
HAMMOND AREA	2,000 AC.
FARMERS MUTUAL DITCH	3,750 AC.
JEWETT VALLEY	1,200 AC.
WESTWATER	50 AC.

TABLE 4. RECOMMENDED BASELINE DEPLETIONS FROM THE SAN JUAN BASIN FOR NEW MEXICO

(UNITS: AVERAGE ANNUAL DEPLETIONS IN 1,000 ACRE-FEET)

DEVELOPMENT	DEPLETION
IRRIGATION DEPLETIONS:	
INDIAN LANDS:	
NAVAJO INDIAN IRRIGATION PROJECT BLOCKS 1-8	149.4
HOGBACK (1)	12.1
FRUITLAND	7.9
CUDEI	0.9
CHACO RIVER	3.1
WHISKEY CREEK	0.3
SUBTOTAL	173.7
NON-INDIAN LANDS:	
ABOVE NAVAJO DAM	1.3
ANIMAS RIVER (2)	31.7
LA PLATA RIVER (3)	5.1
UPPER SAN JUAN RIVER (4)	8.2
HAMMOND AREA (5)	9.2
FARMERS MUTUAL DITCH	8.7
JEWETT VALLEY	2.8
WESTWATER	0.1
CHACO RIVER	0.7
SUBTOTAL	67.8
TOTAL IRRIGATION DEPLETIONS	241.5
NON-IRRIGATION DEPLETIONS:	
NAVAJO RESERVOIR EVAPORATION	26.0
UTAH INTERNATIONAL	39.0
SAN JUAN POWERPLANT (CONTRACT FROM NAVAJO RES.)	16.2
INDUSTRIAL DIVERSIONS NEAR BLOOMFIELD	2.5
MUNICIPAL AND INDUSTRIAL USES	8.9
SCATTERED RURAL DOMESTIC USES	1.4
SCATTERED STOCKPONDS AND LIVESTOCK USES	4.3
FISH AND WILDLIFE	1.4
TOTAL NON-IRRIGATION DEPLETIONS	99.7
SAN JUAN-CHAMA PROJECT EXPORTATION	110.0
UNSPECIFIED MINOR DEPLETIONS ALLOWED UNDER RECOVERY IMPLEMENTATION PROGRAM SINCE 1992	1.5
TOTAL DEPLETIONS (NEW MEXICO, EXCLUDING ALP)	452.7
ANIMAS-LA PLATA PROJECT (COLORADO AND NEW MEXICO)	57.1

NOTES:
(1) INCLUDES HOGBACK PROJECT AND HOGBACK EXTENSION.
(2) INCLUDES ANIMAS RIVER, ECHO DITCH AND FARMINGTON GLADE AREAS.
(3) INCLUDES UPPER LA PLATA AND LA PLATA RIVER AREAS.
(4) INCLUDES CITIZEN'S DITCH AND OTHER DITCHES.
(5) DEPLETION FOR HAMMOND AREA IS COMPUTED USING THE AUTHORIZED ACREAGE FOR THE HAMMOND PROJECT OF 3,933 ACRES.

TABLE 5. RECOMMENDED BASELINE DEPLETIONS FROM THE SAN JUAN RIVER FOR NEW MEXICO

(UNITS: AVERAGE ANNUAL DEPLETIONS IN 1,000 ACRE-FEET)

DEVELOPMENT	DEPLETION
IRRIGATION DEPLETIONS:	
INDIAN LANDS:	
NAVAJO INDIAN IRRIGATION PROJECT BLOCKS 1-8	149.4
HOGBACK (1)	12.1
FRUITLAND	7.9
CUDEI	0.9
CHACO RIVER	0.0
WHISKEY CREEK	0.0
SUBTOTAL	170.3
NON-INDIAN LANDS:	
ABOVE NAVAJO DAM	1.3
ANIMAS RIVER (2)	31.7
LA PLATA RIVER (3)	5.1
UPPER SAN JUAN RIVER (4)	8.2
HAMMOND AREA (5)	9.2
FARMERS MUTUAL DITCH	8.7
JEWETT VALLEY	2.8
WESTWATER	0.1
CHACO RIVER	0.0
SUBTOTAL	67.1
TOTAL IRRIGATION DEPLETIONS	237.4
NON-IRRIGATION DEPLETIONS:	
NAVAJO RESERVOIR EVAPORATION	26.0
UTAH INTERNATIONAL	39.0
SAN JUAN POWERPLANT (CONTRACT FROM NAVAJO RES.)	16.2
INDUSTRIAL DIVERSIONS NEAR BLOOMFIELD	2.5
MUNICIPAL AND INDUSTRIAL USES	8.9
SCATTERED RURAL DOMESTIC USES	1.4
SCATTERED STOCKPONDS AND LIVESTOCK USES	2.2
FISH AND WILDLIFE	1.4
TOTAL NON-IRRIGATION DEPLETIONS	97.6
SAN JUAN-CHAMA PROJECT EXPORTATION	110.0
UNSPECIFIED MINOR DEPLETIONS ALLOWED UNDER RECOVERY IMPLEMENTATION PROGRAM SINCE 1992	1.5
TOTAL DEPLETIONS (NEW MEXICO, EXCLUDING ALP)	446.5
ANIMAS-LA PLATA PROJECT (COLORADO AND NEW MEXICO)	57.1

NOTES:
(1) INCLUDES HOGBACK PROJECT AND HOGBACK EXTENSION.
(2) INCLUDES ANIMAS RIVER, ECHO DITCH AND FARMINGTON GLADE AREAS.
(3) INCLUDES UPPER LA PLATA AND LA PLATA RIVER AREAS.
(4) INCLUDES CITIZEN'S DITCH AND OTHER DITCHES.
(5) DEPLETION FOR HAMMOND AREA IS COMPUTED USING THE AUTHORIZED ACREAGE FOR THE HAMMOND PROJECT OF 3,933 ACRES.

UPPER COLORADO RIVER COMMISSION

355 South 400 East • Salt Lake City • Utah 84111 • 801-531-1150 • FAX 801-531-9705

Upper Colorado 3
Compact Admin

'94 SEP 20 AM 8 59

STATE ENGINEER OFFICE
SANTA FE NEW MEXICO

MEMORANDUM

TO: Interested Agencies/Parties

FROM: Executive Director

DATE: September 14, 1994

SUBJECT: Estimates of Future Depletions in the Upper Division States

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During the past several years, there has been substantial concern surrounding the "official" depletion schedules for uses of Colorado River water in the Upper Basin. At the same time there is a need to use depletion schedules for long-range planning and power rate studies on a continuing basis. The Upper Division States, through the Commission, recognize this ongoing need and have been actively reviewing and revising estimates of futures uses of Colorado River water in their respective States. This review has been coordinated with water agencies and individual users and completed utilizing current information on future power and energy developments.

The culmination of their efforts is enclosed in the form of revised Upper Division States depletion schedules dated July 1994. The Upper Colorado River Commission at its July 13, 1994 Adjourned Regular Meeting passed a resolution (a copy of which is also enclosed) "not objecting" to the use of the composite depletions schedule for planning and water supply studies as appropriate.

If you have any questions about the schedules, please contact either Commission staff or the individual State water resources agencies.

Wayne E. Aark

WEC:pj

Enclosures

OSE-2792

CC:

Upper Colorado River Commissioners
Bureau of Reclamation - Upper Colorado Region
Bureau of Reclamation - Lower Colorado Region
Bureau of Reclamation - Denver, Colorado
Fish & Wildlife Service - Salt Lake City
Fish & Wildlife Service - Albuquerque
Fish & Wildlife Service - Denver
Colorado River Basin Salinity Control Forum
Lower Colorado River Basin Representatives
Metropolitan Water District
Central Arizona Conservancy District
Southern Nevada Water Authority
Western Area Power Administration
Western States Water Council
Colorado River Basin Tribes Partnership

RESOLUTION

OF

THE

UPPER COLORADO RIVER COMMISSION

RE: JULY 1994 STATES' DEPLETION TABLES

WHEREAS, the Upper Colorado River Commission supports water resource development in the Upper Colorado River Basin to enable the Upper Division States to fully develop their compact apportionments of Colorado River water while meeting their compact delivery requirements at Lee Ferry; and

WHEREAS, it is the position of the Upper Colorado River Commission and the Upper Division States that, with the delivery at Lee Ferry of 75 million acre-feet of water in each period of ten consecutive years, the water supply available in the Colorado River System below Lee Ferry may be sufficient to meet the apportionments to the Lower Basin provided for in Article III (a) and (b) of the Colorado River Compact and the entire Mexican Treaty delivery obligation; and

WHEREAS, it is the understanding and expectation of the Upper Colorado River Commission and the Upper Division States that appropriate authorities will take all actions necessary to ensure that all States have access to their respective apportionments as specified in the Upper Colorado River Basin Compact; and

WHEREAS, the Commission resolved at its Special Meeting in Denver, Colorado on June 2, 1987 that it ". . .would not object to a determination by the Bureau [of Reclamation] that the Upper Basin yield is at least 6.0 million acre feet annually, rather than 5.8 million acre feet as previously determined":

NOW, THEREFORE BE IT RESOLVED, that while the Upper Colorado River Commission does not endorse the individual State depletion schedules depicted in the July 1994 Depletion Tables and while it specifically disagrees with the assumption of a minimum Upper Basin delivery of 8.23 MAF annually at Lee Ferry, the Commission does not object to the use of the composite depletion projection for planning purposes and water supply studies within the Colorado River Basin.

BE IT FURTHER RESOLVED, that this resolution be transmitted to the Regional Director, Upper Colorado Region, Bureau of Reclamation, Salt Lake City, Utah, and, as appropriate, to other Federal, State, and Congressional officials who may need to use these depletion projections.

CERTIFICATE

I, WAYNE E. COOK, Executive Director and Secretary of the Upper Colorado River Commission, do hereby certify that the above Resolution was adopted by the Upper Colorado River Commission at an Adjourned Regular Meeting held in Denver, Colorado on July 13, 1994.

WITNESS my hand this 13th day of July, 1994.

WAYNE E. COOK
Executive Director and Secretary

Upper Colorado River Division States Depletion Schedule (Total)

ITEM	YEAR							
	1990	2000	2010	2020	2030	2040	2050	2060+
1965 FRAMEWORK STUDY	2742	2742	2742	2742	2742	2742	2742	2742
1966-1989 CHANGES								
Agricultural-Irrig & Stock	464	464	464	464	464	464	464	464
Municipal/Domestic	232	232	232	232	232	232	232	232
Power/Industrial	175	175	175	175	175	175	175	175
Minerals	46	46	46	46	46	46	46	46
Salintiy	0	0	0	0	0	0	0	0
Other	7	7	7	7	7	7	7	7
FRAMEWORK & 66-89 CHAN	3666	3666	3666	3666	3666	3666	3666	3666
ANTICIPATED DEPLETIONS								
Agricultural-Irrig & Stock	0	56	188	253	264	274	275	275
Municipal/Domestic	0	131	277	342	404	469	486	504
Power/Industrial	0	36	62	90	106	110	117	123
Minerals	0	3	12	25	42	45	48	55
Salintiy	0	2	2	2	2	2	2	2
Other	0	5	11	11	16	21	26	35
TOTAL ANTICIPATED	0	233	552	723	834	921	954	994
POTENTIAL DEPLETIONS								
Agricultural-Irrig & Stock	0	6	44	71	86	135	219	240
Municipal/Domestic	0	5	20	38	38	38	50	50
Power/Industrial	0	0	0	0	0	0	0	0
Minerals	0	0	0	0	7	45	154	260
Salintiy	0	0	10	20	35	50	75	75
Other	0	0	0	0	0	1	143	145
TOTAL POTENTIAL	0	11	74	129	166	269	641	770
Total Scheduled Depletions	3666	3910	4292	4518	4666	4856	5261	5430
Evap-Storage Units	520	520	520	520	520	520	520	520
Total	4186	4430	4812	5038	5186	5376	5781	5950
Upper Division Allocation	5950	5950	5950	5950	5950	5950	5950	5950
Remaining Available	1764	1520	1138	912	764	574	169	0
Percent of State Share	30%	26%	19%	15%	13%	10%	3%	0%

NOTE: This depletion schedule does not attempt to interpret the Colorado River Compact, the Upper Colorado River Compact, or any other element of the "Law of the River." This schedule should not be construed as an acceptance of any assumption that limits the Upper Colorado River Basin's depletion.

In this schedule, the Upper Division Allocation is listed, for planning purposes only, as 5,950,000 acre-feet. For planning purposes, the total Upper Colorado River Basin Allocation, is 6,000,000 acre-feet, of which 50,000 acre-feet is the Upper Basin allocation to Arizona. This estimate does not constitute an endorsement of the Bureau of Reclamation's 1968 Hydrologic Determination.

The "1965 FRAMEWORK STUDY" refers to the Comprehensive Framework Study, published by the Upper Colorado Region State-Federal Inter-Agency Group.

"Evap-Storage Units" refers to the total and individual States portions of evaporation from the major reservoirs constructed under the Colorado River Storage Project Act. These include Flaming Gorge, Curecanti and Glen Canyon.

Upper Colorado River Division States Depletion Schedule (Colorado)

ITEM	YEAR							
	1990	2000	2010	2020	2030	2040	2050	2060+
1965 FRAMEWORK STUDY	1707	1707	1707	1707	1707	1707	1707	1707
1966-1989 CHANGES								
Agricultural-Irrig & Stock								
Bostwick Park	4	4	4	4	4	4	4	4
Silt	4	4	4	4	4	4	4	4
Dallas Creek	5	5	5	5	5	5	5	5
Dolores	32	32	32	32	32	32	32	32
Stagecoach/YamColo	4	4	4	4	4	4	4	4
Exports	10	10	10	10	10	10	10	10
Miscellaneous	24	24	24	24	24	24	24	24
Municipal/Domestic								
Dallas Creek	2	2	2	2	2	2	2	2
Dolores	5	5	5	5	5	5	5	5
Stagecoach/YamColo	1	1	1	1	1	1	1	1
Taylor Draw	2	2	2	2	2	2	2	2
Exports	187	187	187	187	187	187	187	187
Miscellaneous	6	6	6	6	6	6	6	6
Power/Industrial								
Craig/Hayden	13	13	13	13	13	13	13	13
Tri-State (Colo. Ute)	1	1	1	1	1	1	1	1
Industrial								
Blue Mesa	5	5	5	5	5	5	5	5
Green Mountain	2	2	2	2	2	2	2	2
Rueda	2	2	2	2	2	2	2	2
Minerals								
Bluestone	4	4	4	4	4	4	4	4
Other								
Upper Gunnison Basin	5	5	5	5	5	5	5	5
Miscellaneous	2	2	2	2	2	2	2	2
FRAMEWORK & 66-89 CHANG	2027	2027	2027	2027	2027	2027	2027	2027
ANTICIPATED DEPLETIONS								
Agricultural-Irrig & Stock								
Silt	0	1	1	1	1	1	1	1
Dolores	0	13	40	40	40	40	40	40
Municipal/Domestic								
Dallas Creek	0	5	8	10	10	10	10	10
Dolores	0	1	2	4	4	4	4	4
Taylor Draw	0	2	5	5	5	5	5	5
Wolford Mountain	0	7	15	15	15	15	15	15
Exports	0	70	110	130	150	175	175	175
Miscellaneous	0	1	3	4	5	6	7	8

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Power/Industrial								
Craig/Hayden	0	6	6	6	8	8	11	13
Tri-State (Colo. Ute)	0	5	5	8	8	8	8	8
Industrial								
Blue Mesa	0	5	5	5	5	5	5	5
Green Mountain	0	3	8	13	18	18	18	18
Ruedi	0	8	13	13	13	13	13	13
Stagecoach/YamColo	0	9	9	9	9	9	9	9
Minerals								
Ruedi	0	0	5	15	30	30	30	30
Other								
Upper Gunnison Basin	0	5	10	10	15	20	25	34
Aqua-Chem	0	0	1	1	1	1	1	1
Paradox-Salinity	0	2	2	2	2	2	2	2
TOTAL ANTICIPATED	2027	2170	2275	2318	2366	2397	2406	2418
POTENTIAL DEPLETIONS								
Agricultural-Irrig & Stock								
Animas-La Plata	0	0	0	10	25	65	83	83
West Divide (Area)	0	1	1	1	1	4	20	38
Fruitland Mesa (Area)	0	0	0	0	0	0	21	21
San Miguel (Area)	0	0	0	0	0	0	13	13
Savory Pothook (Area)	0	0	0	0	0	0	12	12
Municipal/Domestic								
Animas-La Plata	0	5	20	38	38	38	38	38
San Miguel (Area)	0	0	0	0	0	0	12	12
Minerals/Oil Shale/Energy	0	0	0	0	1	4	18	36
Unspecified CU By Basin								
Yampa	0	0	0	0	0	0	28	28
White	0	0	0	0	0	0	25	25
Colorado Mainstem	0	0	0	0	0	0	30	30
Gunnison	0	0	0	0	0	0	32	32
San Juan	0	0	0	0	0	0	24	24
TOTAL POTENTIAL	0	6	21	49	65	111	356	392
Total Scheduled Depletions	2027	2176	2296	2367	2431	2508	2762	2810
Evap-Storage Units	269	269	269	269	269	269	269	269
Total	2296	2445	2565	2636	2700	2777	3031	3079
State Share of 6.0 MAF	3079	3079	3079	3079	3079	3079	3079	3079
Remaining Available	783	634	514	443	379	302	48	0
Percent of State Share	25%	21%	17%	14%	12%	10%	2%	0%

Upper Colorado River Division States Depletion Schedule (New Mexico)

ITEM	YEAR							
	1990	2000	2010	2020	2030	2040	2050	2060+
1965 FRAMEWORK STUDY	89	89	89	89	89	89	89	89
1966-1989 CHANGES								
Agricultural-Irrig & Stock								
Non-Indian	12	12	12	12	12	12	12	12
Indian								
Federal								
Hogback	10	10	10	10	10	10	10	10
NIIP	133	133	133	133	133	133	133	133
San Juan Chama	110	110	110	110	110	110	110	110
Navajo Evaporation	26	26	26	26	26	26	26	26
Hammond	10	10	10	10	10	10	10	10
Municipal/Domestic	0	0	0	0	0	0	0	0
Power/Industrial								
UII (Private)	39	39	39	39	39	39	39	39
PSCNM	16	16	16	16	16	16	16	16
Minerals	0	0	0	0	0	0	0	0
FRAMEWORK & 66-89 CHAN	445	445	445	445	445	445	445	445
ANTICIPATED DEPLETIONS								
Agricultural-Irrig & Stock								
Public/Private								
Federal								
NIIP	0	21	78	134	134	134	134	134
ALP	0	1	3	3	7	7	7	7
Jicarilla								
Municipal/Domestic								
Public/Private								
Federal								
ALP	0	2	7	18	20	24	24	24
Jicarilla	0	3	4	5	6	7	8	9
Power/Industrial								
Jicarilla	0	0	3	20	19	18	17	16
TOTAL ANTICIPATED	445	472	540	625	631	635	635	635
POTENTIAL DEPLETIONS								
Agricultural-Irrig & Stock								
Federal								
ALP (Phase II)	0	0	0	0	0	3	3	3
Indian								
Gallup - Navajo	0	0	15	25	25	25	25	25
Navajo Contracts	0	5	28	35	35	35	35	30
TOTAL POTENTIAL	0	5	43	60	60	63	63	58
Total Scheduled Depletions	445	477	583	685	691	698	698	693
Evap-Storage Units	58	58	58	58	58	58	58	58
Total	503	535	641	743	749	756	756	751
State Share of 5.0 MAF	669	669	669	669	669	669	669	669
Remaining Available	166	134	28	-74	-80	-87	-87	-82
Percent of State Share	25%	20%	4%	-11%	-12%	-13%	-13%	-12%

Upper Colorado River Division States Depletion Schedule (Utah)

ITEM	YEAR							
	1990	2000	2010	2020	2030	2040	2050	2060+
1965 FRAMEWORK STUDY	664	664	664	664	664	664	664	664
1966-1989 CHANGES								
Agricultural-Irrig & Stock								
Non-Indian	2	2	2	2	2	2	2	2
Indian	6	6	6	6	6	6	6	6
Federal								
Emery Project	16	16	16	16	16	16	16	16
Bonn./Duchesne Area	21	21	21	21	21	21	21	21
Municipal/Domestic	5	5	5	5	5	5	5	5
Power/Industrial								
Emery	47	47	47	47	47	47	47	47
DG&T	9	9	9	9	9	9	9	9
Minerals	2	2	2	2	2	2	2	2
FRAMEWORK & 66-89 CHANG	772	772	772	772	772	772	772	772
ANTICIPATED DEPLETIONS								
Agricultural-Irrig & Stock								
Public/Private (DNR)	0	4	8	12	16	20	21	21
Federal								
Bonneville Area	0	10	40	45	48	54	54	54
Jensen Area	0	3	3	3	3	3	3	3
Municipal/Domestic								
Public/Private (DNR)	0	1	2	3	4	6	10	16
Federal								
Bonneville Area	0	17	74	74	74	74	74	74
Upalco Area	0	7	10	14	16	18	23	23
Jensen Area	0	1	1	1	1	1	1	1
Indian Settlement	0	10	30	50	75	100	100	100
Power/Industrial								
Emery Co. (New)	0	0	6	6	6	6	6	6
Emery Co.(Irrig Conv.)	0	0	0	0	0	0	0	0
Desert G&T	0	0	0	0	5	5	5	5
TOTAL ANTICIPATED	772	825	946	980	1020	1059	1069	1075
POTENTIAL DEPLETIONS								
Agricultural-Irrig & Stock								
Federal								
Upalco Area	0	0	0	0	0	0	0	0
Uintah Area	0	0	0	0	0	0	0	0
Indian								
Upalco Area	0	0	0	0	0	0	0	0
Uintah Area	0	0	0	0	0	0	0	0
Uintah Basin-New	0	0	0	0	0	0	0	0
Energy/Minerals								
White River	0	0	0	0	6	26	56	76
Other								
Exports	0	0	10	20	35	50	75	75
TOTAL POTENTIAL	0	0	10	20	41	76	131	151
Total Scheduled Depletions	772	825	956	1000	1061	1135	1200	1226
Evap-Storage Units	120	120	120	120	120	120	120	120
Total	892	945	1076	1120	1181	1255	1320	1346
State Share of 6.0 MAF	1369	1369	1369	1369	1369	1369	1369	1369
Remaining Available	477	424	293	249	188	114	49	23
Percent of State Share	35%	31%	21%	18%	14%	8%	4%	2%

Upper Colorado River Division States Depletion Schedule (Wyoming)

ITEM	YEAR							
	1990	2000	2010	2020	2030	2040	2050	2060+
1965 FRAMEWORK STUDY	282	282	282	282	282	282	282	282
1966-1989 CHANGES								
Agricultural-Irrig & Stock	8	8	8	8	8	8	8	8
Non-Indian								
Indian								
Federal								
Lyman	10	10	10	10	10	10	10	10
Seedskadee FWL	17	17	17	17	17	17	17	17
Municipal/Domestic	24	24	24	24	24	24	24	24
Power/Industrial								
Bridger/Viva Naughton	41	41	41	41	41	41	41	41
Minerals	40	40	40	40	40	40	40	40
FRAMEWORK & 66-89 CHAN	422	422	422	422	422	422	422	422
ANTICIPATED DEPLETIONS								
Agricultural-Irrig & Stock								
Public/Private								
Sandstone	0	0	12	12	12	12	12	12
Federal								
Seedskadee FWL	0	3	3	3	3	3	3	3
Municipal/Domestic								
Cheyenne	0	4	6	9	19	24	30	40
Public/Private								
Federal								
Power/Industrial								
Thermal Electric	0	0	7	10	15	20	25	30
Minerals	0	3	7	10	12	15	18	25
TOTAL ANTICIPATED	422	432	457	466	483	496	510	532
POTENTIAL DEPLETIONS								
Agricultural-Irrig & Stock								
Federal								
Savery Pothook	0	0	0	0	0	2	5	11
Labarge	0	0	0	0	0	1	2	4
Energy/Minerals								
Coal Gas						5	30	60
Oil Shale	0	0	0	0	0	10	50	86
Reservoir Evap	0	0	0	0	0	1	4	6
TOTAL POTENTIAL	0	0	0	0	0	19	91	169
Total Scheduled Depletions	422	432	457	466	483	515	601	701
Evap-Storage Units	73	73	73	73	73	73	73	73
Total	495	505	530	539	556	588	674	774
State Share of 6.0 MAF	833	833	833	833	833	833	833	833
Remaining Available	338	328	303	294	277	245	159	59
Percent of State Share	41%	39%	36%	35%	33%	29%	19%	7%

5 Salinity Control Forum

note - also in Upper Colo - Gen.
Ltr. to Wayne Cook
Ltr. to Dave Trueman

March 10, 1993

Mr. Ernie Weber
Colorado River Board of California
770 Fairmont Avenue, Suite 100
Glendale, CA 91203-1035

Dear Ernie:

Enclosed is a revised table showing projections of depletions for New Mexico from the Upper Colorado River Basin. These projections are made for five year increments through 2020 and ten year increments from 2020 to 2040. Please discard the tabulation sent to you with my letter dated August 25, 1992.

Please contact me or Bill Miller if you have any questions.

Sincerely,

Jay C. Groseclose, P.E.
Deputy Chief

JCG:rav

Enclosure

cc: Wayne Cook

\rav\colorado\weber.fnl

UPPER BASIN PROJECTS

2/22/93

NEW MEXICO

(units - 100 acre-feet)

	1991	1995	2000	2005	2010	2015	2020	2030	2040
Comprehensive Framework Study	89	89	89	89	89	89	89	89	89
Miscellaneous additional depletions	12	12	12	12	12	12	12	12	12
Reclamation projects									
Navajo Reservoir evaporation	26	26	26	26	26	26	26	26	26
Animas-La Plata	0	0	3	5	10	15	21	27	34
San Juan-Chama (export)	110	110	110	110	110	110	110	110	110
Navajo Indian irrigation	133	143	154	183	211	239	267	267	267
Hammond	10	10	10	10	10	10	10	10	10
Hogback Extension	0	0	10	10	10	10	10	10	10
Jicarilla Apache	0	0	3	3	7	15	25	25	25
Utah International Inc. (private right)	39	39	39	39	39	39	39	39	39
Navajo Reservoir contracts (temporary)									
Public Service Company of NM	16	16	16	16	16	16	16	16	16
Utah International Inc.	0	0	5	20	28	35	35	35	35
Not identified	0	0	0	8	15	23	25	25	25
TOTAL DEPLETIONS	435	445	477	531	583	639	685	691	698
Evaporation storage units	58	58	58	58	58	58	58	58	58
TOTAL	493	503	535	589	641	697	743	749	756

OSE-2803

Upper Colo - 1
Gen Corres

August 25, 1992

Mr. David P. Trueman
Regional Salinity Program Coordinator
U.S. Bureau of Reclamation, UC-721
Post Office Box 11568
Salt Lake City, Utah 84147

Dear Dave:

Enclosed for your use are revised projections of depletions for New Mexico from the Upper Colorado River Basin. These projections are made for five year year increments through 2020 and ten year increments from 2020 to 2040.

Please contact me or Bill Miller if you have any questions.

Sincerely,

Jay C. Groseclose, P.E.
Deputy Chief

JCG:rav

Enclosure

UPPER BASIN PROJECTS

8/25/92

NEW MEXICO

(units - 100 acre-feet)

	1991	1995	2000	2005	2010	2015	2020	2030	2040
Comprehensive Framework Study	89	89	89	89	89	89	89	89	89
Miscellaneous additional depletions	12	12	12	12	12	12	12	12	12
Reclamation projects									
Navajo Reservoir evaporation	26	26	26	26	26	26	26	26	26
Animas-La Plata	0	0	0	5	10	15	21	27	34
San Juan-Chama (export)	110	110	110	110	110	110	110	110	110
Navajo Indian irrigation	134	144	154	183	211	239	267	267	267
Hammond	10	10	10	10	10	10	10	10	10
Hogback Extension	10	10	10	10	10	10	10	10	10
Jicarilla Apache	0	0	0	3	3	7	10	25	25
Utah International Inc. (private right)	27	27	27	30	33	36	39	39	39
Navajo Reservoir contracts (temporary)									
Public Service Company of NM	16	16	16	16	16	16	16	16	16
Utah International Inc.	0	0	0	10	20	28	35	35	35
Not identified	0	0	0	8	15	23	31	23	16
TOTAL DEPLETIONS	434	444	454	512	561	621	676	689	689
Evaporation storage units	58	58	58	58	58	58	58	58	58
TOTAL	492	502	512	570	620	679	734	747	747

OSE-2805

~~Summary~~ May 1974
Revised

Depletion @ Sites of Use — San Juan Basin

1000 AF

	1974	1980	1990	2000	2030
Irrigation [1]	83	83	83	83	83
Other [2]	13	13	13	13	13
Hammond	8	10	10	10	10
San Juan-Chama	46 [3]	67 [4]	110	110	110
Navajo Reservoir Evap [5]	24	24	24	24	24
Hogback Expansion	2 [6]	5	10	10	10
Utah International	25 [7]	39	39	39	39
Navajo Irrigation Project		90	226	226	226
Farmington M&I			5	5	5
Animas-La Plata			34	34	34
Navajo Res M&I Contracts	5	48	100	100	
San Juan	(5)	(20)	(20)	(20)	
Utah International		(14)	(44)	(44)	
El Paso		(14)	(28)	(28)	
Other			(8)	(8)	
Total Depletion @ Site	206	379	654	654	554
Evap Storage Units [5]	49	49	49	49	49
Total @ site	255	428	703	703	603

1] Type I Framework (76,000 C.U. + 150,000 incidental) – 8,000 Hammond which apparently included in Type I

2] State Water Plan 1970 data (~~Total AF~~ M+I 3.9; Rural 1.4; Mining 0.2; Mineral 2.3; Stock Pond 3.5; Livestock 0.8; F+W 1.4) All ~~but Mineral~~ these numbers are substantial increase over Type I. ~~The~~ All but minerals seem high.

3] M.R.G. 20.9; A/b 17.7; Heron Esp. 7.4

4] 1974 plus (Leland 8.4; Pojoaque 1.0; Rio Chama 0.4; & (Cochiti 5.0; E.B. 6.0)

5] USBR 1974 Estimate

6] B.I.A. Shiprock advises 900 acres new land developed since 1965; use 2.3 AF/ac depletion

7] U.S.B.R. Estimate of 1974 use; 1973 use 21.0

Table 2

STATE OF NEW MEXICO
Upper Colorado River System
Compact Apportionment and
Present and Proposed Depletions
(Units 1,000 acre-feet per annum)

UPPER COLORADO RIVER BASIN COMPACT APPORTIONMENT

Full amount of Upper Basin Article III(a) apportionment available for depletion at Lee Ferry: (7,500 - 50) x .1125 =	838
Upper Basin Article III(a) apportionment available for depletion at Lee Ferry = 6,300: (6,300 - 50) x .1125 =	703
Salvage by use - N.M.	24
Total available for depletion at sites in New Mexico	727

DEPLETIONS (Nominal at-site)

	1974	Future
Irrigation (Present)	83	83
Other (M&I, F&W & Rec., Mineral, etc.)(Present)		
Hammond	13	13
San Juan-Chama	8	10
Navajo Reservoir Evap.	46	110
Hogback Expansion	24	26
Utah International Inc. (Four Corners)	2	10
Farmington M&I (increase)	25	39
Navajo Indian Irrigation	0	5
	0	226
Navajo M&I Contracts		
N.M. Pub. Serv.Co. (San Juan)	5	16
Utah International Inc. (WESCO)	0	35
El Paso Natural Gas Co.	0	28
Other (Gallup)	0	8
Animas-La Plata		
Irrigation	0	34
M&I	0	(14)
	0	(20)
Mainstream Reservoir Evap. 520 x .1125	58	58
	264	701

OSE-2808

RESOLUTION

OF THE

UPPER COLORADO RIVER COMMISSION

RE: JANUARY 2000 STATES' DEPLETION TABLES

WHEREAS, the **Upper Colorado River Commission** supports water resource development in the Upper Colorado River Basin to enable the **Upper Division States** to fully develop their compact apportionments of Colorado River water while meeting their compact delivery requirements at Lee Ferry; and

WHEREAS, it is the position of the **Upper Colorado River Commission** and the **Upper Division States** that, with the delivery at Lee Ferry of 75 million acre-feet of water in each period of ten consecutive years, the water supply available in the Colorado River System below Lee Ferry may be sufficient to meet the apportionments to the Lower Basin provided for in Article III (a) and (b) of the Colorado River Compact and the entire Mexican Treaty delivery obligation; and

WHEREAS, it is the understanding and expectation of the **Upper Colorado River Commission** and the **Upper Division States** that appropriate authorities will take all actions necessary to ensure that all States have access to their respective apportionments as specified in the Upper Colorado River Basin Compact; and

WHEREAS, planning for future development of the water resources available to the Upper Basin is facilitated by the projection of future uses in respective Upper Basin States.

WHEREAS, the Bureau of Reclamation has determined that at least 6.0 million acre-feet (MAF) annually of firm yield is available to the Upper Basin States based on a minimum objective release of 8.23 MAF from Glen Canyon Dam;

WHEREAS, the **Commission** resolved at its Special Meeting in Denver, Colorado on June 2, 1987 that it ". . . would not object to a determination by the Bureau [of Reclamation] that the Upper Basin yield is at least 6.0 million acre-feet annually";

NOW, THEREFORE BE IT RESOLVED, that while the **Upper Colorado River Commission** disagrees with the assumption of a minimum release of 8.23 MAF annually from Glen Canyon Dam, the **Commission** does not object to the use of the January 2000 depletion projections for planning purposes and water supply studies within the Colorado River Basin.

BE IT FURTHER RESOLVED, that this Resolution be transmitted to the Regional Director, Upper Colorado Region, Bureau of Reclamation, Salt Lake City, Utah, and, as appropriate, to other Federal, State and Congressional officials who may need to use these depletion projections.

CERTIFICATE

I, WAYNE E. COOK, Executive Director and Secretary of the **Upper Colorado River Commission**, do hereby certify that the above Resolution was adopted by the **Upper Colorado River Commission** at a meeting held in Las Vegas, Nevada on December 15, 1999.

WITNESS my hand this 15th day of December 1999.

Wayne E. Cook
Executive Director and Secretary

January 2000

Upper Colorado River Division States Depletion Schedule (Total)

ITEM	YEAR							
	1991-95	2000	2010	2020	2030	2040	2050	2060+
CURRENT DEPLETIONS								
Agricultural-Irrig & Stock	2717	2717	2717	2717	2717	2717	2717	2717
Municipal/Domestic	58	58	58	58	58	58	58	58
Power/Industrial	178	181	182	183	184	184	184	184
Minerals	30	30	30	30	30	30	30	30
Export	886	886	886	886	886	886	886	886
Reservoir Evaporation	168	169	169	169	169	169	169	169
TOTAL CURRENT DEPLETIONS	4037	4040	4041	4042	4043	4043	4043	4043
ANTICIPATED DEPLETIONS								
Agricultural-Irrig & Stock	0	21	166	212	210	205	202	204
Municipal/Domestic	0	18	90	130	165	196	230	257
Power/Industrial	0	40	60	71	85	93	105	114
Minerals	0	3	14	27	44	50	53	57
Export	0	45	205	227	275	313	338	359
Reservoir Evaporation	0	3	4	4	4	5	6	7
TOTAL ANTICIPATED DEPLETIONS	0	129	539	671	784	862	933	998
POTENTIAL DEPLETIONS								
Agricultural-Irrig & Stock	0	1	26	32	35	46	101	105
Municipal/Domestic	0	0	1	6	8	11	33	56
Power/Industrial	0	1	3	6	22	34	48	61
Minerals	0	0	1	3	14	21	51	66
Export	0	0	0	8	14	21	24	27
Reservoir Evaporation	0	0	0	1	3	4	6	8
TOTAL POTENTIAL DEPLETIONS	0	2	31	56	95	137	262	323
Summary of Depletions	4037	4171	4612	4769	4922	5042	5239	5365
Evap-Storage Units	546	546	546	546	546	546	546	546
TOTAL DEPLETIONS	4583	4717	5158	5315	5468	5588	5785	5911
Upper Division Allocation	5950	5950	5950	5950	5950	5950	5950	5950
Remaining Available	1367	1233	792	635	482	362	165	39
Percent Unused	23%	21%	13%	11%	8%	6%	3%	1%

NOTE: This depletion schedule does not attempt to interpret the Colorado River Compact, the Upper Colorado River Compact, or any other element of the "Law of the River." This schedule should not be construed as an acceptance of any assumption that limits the Upper Colorado River Basin's depletion.

In this schedule, the Upper Division Allocation is listed, for planning purposes only, as 5,950,000 acre-feet. For planning purposes, the total Upper Colorado River Basin Allocation, is 6,000,000 acre-feet, of which 50,000 acre-feet is the Upper Basin allocation to Arizona. This estimate does not constitute an endorsement of the Bureau of Reclamation's 1988 Hydrologic Determination.

"Evap-Storage Units" refers to the total and individual States portions of evaporation from the major reservoirs constructed under the Colorado River Storage Project Act. These include Flaming Gorge, Curecanti and Glen Canyon.

January 2000

Upper Colorado River Division States Depletion Schedule (Colorado)

ITEM	YEAR							
	1991-95	2000	2010	2020	2030	2040	2050	2060+
CURRENT DEPLETIONS								
Agricultural-Irrig & Stock	1500	1500	1500	1500	1500	1500	1500	1500
Municipal/Domestic	19	19	19	19	19	19	19	19
Power/Industrial	35	35	35	35	35	35	35	35
Minerals	21	21	21	21	21	21	21	21
Export	606	606	606	606	606	606	606	606
Reservoir Evaporation	84	84	84	84	84	84	84	84
TOTAL CURRENT DEPLETIONS	2265	2265	2265	2265	2265	2265	2265	2265
ANTICIPATED DEPLETIONS								
Agricultural-Irrig & Stock	0	20	49	49	52	52	54	57
Municipal/Domestic	0	18	76	81	82	82	85	86
Power/Industrial	0	40	57	64	73	73	77	80
Minerals	0	0	7	17	32	32	32	32
Export	0	45	122	142	162	182	182	182
Reservoir Evaporation	0	2	2	2	2	2	2	2
TOTAL ANTICIPATED DEPLETION	0	125	313	355	403	423	432	439
POTENTIAL DEPLETIONS								
Agricultural-Irrig & Stock	0	1	1	5	5	12	64	65
Municipal/Domestic	0	0	1	1	1	1	13	13
Power/Industrial								
Minerals	0	0	0	0	1	2	2	2
Export								
Reservoir Evaporation								
TOTAL POTENTIAL DEPLETIONS	0	1	2	6	7	15	79	80
Summary of Depletions	2265	2391	2580	2626	2675	2703	2776	2784
Evap-Storage Units	295	295	295	295	295	295	295	295
TOTAL DEPLETIONS	2560	2686	2875	2921	2970	2998	3071	3079
Colorado Allocation	3079	3079	3079	3079	3079	3079	3079	3079
Remaining Available	519	393	204	158	109	81	8	0
Percent of State Share	17%	13%	7%	5%	4%	3%	0%	0%

NOTE: This depletion schedule does not attempt to interpret the Colorado River Compact, the Upper Colorado River Compact, or any other element of the "Law of the River." This schedule should not be construed as an acceptance of any assumption that limits the Upper Colorado River Basin's depletion.

In this schedule, the Upper Division Allocation is listed, for planning purposes only, as 5,950,000 acre-feet. For planning purposes, the total Upper Colorado River Basin Allocation, is 6,000,000 acre-feet, of which 50,000 acre-feet is the Upper Basin allocation to Arizona. This estimate does not constitute an endorsement of the Bureau of Reclamation's 1988 Hydrologic Determination.

"Evap-Storage Units" refers to the total and individual States portions of evaporation from the major reservoirs constructed under the Colorado River Storage Project Act. These include Flaming Gorge, Curecanti and Glen Canyon.

January 2000

Upper Colorado River Division States Depletion Schedule (New Mexico)

ITEM	YEAR							
	1991-95	2000	2010	2020	2030	2040	2050	2060+
CURRENT DEPLETIONS								
Agricultural-Irrig & Stock	246	246	246	246	246	246	246	246
Municipal/Domestic	10	10	10	10	10	10	10	10
Power/Industrial	56	56	56	57	58	58	58	58
Minerals	0	0	0	0	0	0	0	0
Export	108	108	108	108	108	108	108	108
Reservoir Evaporation	29	29	29	29	29	29	29	29
TOTAL CURRENT DEPLETIONS	449	449	449	450	451	451	451	451
ANTICIPATED DEPLETIONS								
Agricultural-Irrig & Stock	0	0	80	121	121	121	121	121
Municipal/Domestic	0	0	5	11	16	17	18	18
Power/Industrial	0	0	0	0	0	2	3	4
Minerals	0	0	0	0	0	0	0	0
Export	0	0	0	0	0	0	0	0
Reservoir Evaporation	0	0	1	1	1	1	1	1
TOTAL ANTICIPATED DEPLETION	0	0	86	133	138	141	143	144
POTENTIAL DEPLETIONS								
Agricultural-Irrig & Stock	0	0	0	0	0	0	0	0
Municipal/Domestic	0	0	0	5	7	10	10	10
Power/Industrial	0	1	1	3	4	5	5	5
Minerals	0	0	0	0	0	0	0	0
Export	0	0	0	4	6	9	9	9
Reservoir Evaporation	0	0	0	0	0	0	0	0
TOTAL POTENTIAL DEPLETIONS	0	1	1	12	17	24	24	24
Summary of Depletions	449	450	536	595	606	616	618	619
Evap-Storage Units	58	58	58	58	58	58	58	58
TOTAL DEPLETIONS	507	508	594	653	664	674	676	677
State Share of 6.0 MAF	669	669	669	669	669	669	669	669
Remaining Available	162	161	75	16	5	-5	-7	-8
Percent of State Share	24%	24%	11%	2%	1%	-1%	-1%	-1%

NOTE: This depletion schedule does not attempt to interpret the Colorado River Compact, the Upper Colorado River Compact, or any other element of the "Law of the River." This schedule should not be construed as an acceptance of any assumption that limits the Upper Colorado River Basin's depletion.

In this schedule, the Upper Division Allocation is listed, for planning purposes only, as 5,950,000 acre-feet. For planning purposes, the total Upper Colorado River Basin Allocation, is 6,000,000 acre-feet, of which 50,000 acre-feet is the Upper Basin allocation to Arizona. This estimate does not constitute an endorsement of the Bureau of Reclamation's 1988 Hydrologic Determination.

"Evap-Storage Units" refers to the total and individual States portions of evaporation from the major reservoirs constructed under the Colorado River Storage Project Act. These include Flaming Gorge, Curecanti and Glen Canyon.

January 2000

Upper Colorado River Division States Depletion Schedule (Utah)

ITEM	YEAR							
	1991-95	2000	2010	2020	2030	2040	2050	2060+
CURRENT DEPLETIONS								
Agricultural-Irrig & Stock	591	591	591	591	591	591	591	591
Municipal/Domestic	23	23	23	23	23	23	23	23
Power/Industrial	46	46	46	46	46	46	46	46
Minerals								
Export	154	154	154	154	154	154	154	154
Reservoir Evaporation	19	19	19	19	19	19	19	19
TOTAL CURRENT DEPLETIONS	833	833	833	833	833	833	833	833
ANTICIPATED DEPLETIONS								
Agricultural-Irrig & Stock	0	0	29	33	27	21	15	11
Municipal/Domestic	0	0	7	35	63	91	119	143
Power/Industrial								
Minerals								
Export	0	0	81	81	106	120	141	157
Reservoir Evaporation								
TOTAL ANTICIPATED DEPLETION	0	0	118	149	196	232	275	311
POTENTIAL DEPLETIONS								
Agricultural-Irrig & Stock	0	0	25	25	25	25	25	25
Municipal/Domestic								
Power/Industrial	0	0	2	3	8	9	13	16
Minerals	0	0	1	3	8	9	13	16
Export								
Reservoir Evaporation								
TOTAL POTENTIAL DEPLETIONS	0	0	28	31	40	43	50	57
Summary of Depletions	833	833	979	1013	1070	1108	1158	1202
Evap-Storage Units	120	120	120	120	120	120	120	120
TOTAL DEPLETIONS	953	953	1099	1133	1190	1228	1278	1322
State Share of 6.0 MAF	1369	1369	1369	1369	1369	1369	1369	1369
Remaining Available	416	416	270	236	179	141	91	47
Percent of State Share	30%	30%	20%	17%	13%	10%	7%	3%

NOTE: This depletion schedule does not attempt to interpret the Colorado River Compact, the Upper Colorado River Compact, or any other element of the "Law of the River." This schedule should not be construed as an acceptance of any assumption that limits the Upper Colorado River Basin's depletion.

In this schedule, the Upper Division Allocation is listed, for planning purposes only, as 5,950,000 acre-feet. For planning purposes, the total Upper Colorado River Basin Allocation, is 6,000,000 acre-feet, of which 50,000 acre-feet is the Upper Basin allocation to Arizona. This estimate does not constitute an endorsement of the Bureau of Reclamation's 1988 Hydrologic Determination.

"Evap-Storage Units" refers to the total and individual States portions of evaporation from the major reservoirs constructed under the Colorado River Storage Project Act. These include Flaming Gorge, Curecanti and Glen Canyon.

January 2000

Upper Colorado River Division States Depletion Schedule (Wyoming)

ITEM	YEAR							
	1991-95	2000	2010	2020	2030	2040	2050	2060+
CURRENT DEPLETIONS								
Agricultural-Irrig & Stock	379	379	379	379	379	379	379	379
Municipal/Domestic	5	6	6	6	6	6	6	6
Power/Industrial	42	44	45	45	45	45	45	45
Minerals	9	9	9	9	9	9	9	9
Export	18	18	18	18	18	18	18	18
Reservoir Evaporation	36	37	37	37	37	37	37	37
TOTAL CURRENT DEPLETIONS	489	493	494	494	494	494	494	494
ANTICIPATED DEPLETIONS								
Agricultural-Irrig & Stock	0	1	8	9	10	11	12	15
Municipal/Domestic	0	0	2	3	5	7	8	10
Power/Industrial	0	0	3	7	12	18	25	30
Minerals	0	3	7	10	12	18	21	25
Export	0	0	2	4	7	11	15	20
Reservoir Evaporation	0	1	1	1	1	2	3	4
TOTAL ANTICIPATED DEPLETIO	0	4	23	34	47	66	84	104
POTENTIAL DEPLETIONS								
Agricultural-Irrig & Stock	0	0	0	2	5	9	12	15
Municipal/Domestic	0	0	0	0	0	0	10	33
Power/Industrial	0	0	0	0	10	20	30	40
Minerals	0	0	0	0	5	10	36	48
Export	0	0	0	4	8	12	15	18
Reservoir Evaporation	0	0	0	1	3	4	6	8
TOTAL POTENTIAL DEPLETIONS	0	0	0	7	31	55	109	162
Summary of Depletions	489	497	517	535	571	615	687	760
Evap-Storage Units	73	73	73	73	73	73	73	73
TOTAL DEPLETIONS	562	570	590	608	644	688	760	833
Upper Division Allocation	833	833	833	833	833	833	833	833
Remaining Available	271	263	244	225	189	145	74	0
Percent of State Share	32%	32%	29%	27%	23%	17%	9%	0%

NOTE: This depletion schedule does not attempt to interpret the Colorado River Compact, the Upper Colorado River Compact, or any other element of the "Law of the River." This schedule should not be construed as an acceptance of any assumption that limits the Upper Colorado River Basin's depletion.

In this schedule, the Upper Division Allocation is listed, for planning purposes only, as 5,950,000 acre-feet. For planning purposes, the total Upper Colorado River Basin Allocation, is 6,000,000 acre-feet, of which 50,000 acre-feet is the Upper Basin allocation to Arizona. This estimate does not constitute an endorsement of the Bureau of Reclamation's 1988 Hydrologic Determination.

"Evap-Storage Units" refers to the total and individual States portions of evaporation from the major reservoirs constructed under the Colorado River Storage Project Act. These include Flaming Gorge, Curecanti and Glen Canyon.

Navajo Agreement Proposed Depletions - Unit-16004

	2800	2015-2028	2038	2049	2058	2068
Animas-La Plata Navajo Gallop	0	5.	10	15	15	15

[redacted]

Phil & I meet w/ Dibblyo & Pollack @
AZ DWR in PHX on May 2, 2-4pm
→ travel reg. & arrange.
(Arrive PHX by 1:15; 1st flight or earlier)
LV. PHX by 4:30)

10-30-75
Not for release or distribution

NEW MEDICO'S UPPER COLORADO RIVER APPORTIONMENT

Municipal and Industrial	1,000 AF
Animas-La Plata Project	34.0
Potential Navajo - Gallup pipeline	22.8

NEW MEXICO ANTICIPATED DEPLETION SCHEDULE

Year	1990	2000	2010	2020	2030	2040	2050	2060
ALP (5)	0	0	5	10	14	14	14	14
Navajo-Gallup	0	0	0	10	15	22	22	22

(5) Includes allocations to San Juan Water Commission and Navajo Nation, and New Mexico share of reservoir evaporation.