

Appendix A

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Mendocino City Community Services District

STATE OF CALIFORNIA—HEALTH AND WELFARE AGENCY

GEORGE DEUKMEJIAN, Governor

DEPARTMENT OF HEALTH SERVICES

1000 STREET, SUITE 205
SANTA ROSA, CALIFORNIA 95404
(707) 576-2145



December 4, 1987

Mendocino Community Services District
P. O. Box 1029
Mendocino, CA 95460

Dear Sirs:

I understand that your District is currently in the process of establishing a well ordinance and groundwater management plan in accordance with recently enacted State legislation giving you authority to manage the groundwater resources in the Mendocino area.

I also understand that you are considering the establishment of a moratorium on new well development until such time as your plan is complete.

In regards to these two issues, this office would make the following recommendations for your consideration.

1. We strongly support the need to develop a groundwater management plan for this area and a moratorium until this plan is developed. There are serious questions raised by the Department of Water Resources study as to the capacity of the aquifer in this area to support additional development. Until these questions are answered it does not seem prudent to allow new wells which could jeopardize existing wells and possibly prove to be inadequate for new users.
2. Because of the many shallow wells and improperly constructed existing wells in the area as well as high winter time groundwater table, the groundwater in this area is highly vulnerable to contamination from spills of toxic and hazardous materials and normal runoff from the urban developed areas. Recent problems with diesel in several private wells in the area may only be an early warning to other more significant problems. Until you have a better assessment of this problem, we would again strongly recommend a moratorium on development of new wells.

As you know, we are working with the District on development and implementation of a routine groundwater monitoring program to provide an early warning of possible problems in

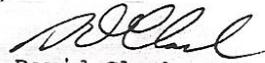
Mendocino City Community Services District

-2-

the future. This program will be an essential element in your overall management program.

I appreciate the opportunity to comment and will be happy to answer any questions you may have regarding these comments.

Very truly yours,



B. David Clark, P.E.
District Engineer
Public Water Supply Branch
Santa Rosa District Office

cc: Jerry Davis, Mendocino County EHD

BDC:ar

A871204.1tr

Mendocino City Community Services District

Mendocino City Community Services District

Post Office Box 1029
Mendocino, California 95460

Business Phone (707) 937-5790 Treatment Plant (707) 937-5751

POLICY STATEMENT ON GROUNDWATER MANAGEMENT

WHEREAS, The Mendocino City Community Services District Board of Directors is aware that the shortage of groundwater in the Town of Mendocino is so severe in drought years as well as in normal years that it will not adequately support the present needs of the community, nor will it support anticipated future needs as authorized in the Town Plan, and

WHEREAS, enabling legislation as outlined in Water Code Sections 10700 - 10717 authorizes the District to develop a Groundwater Management Plan,

WE HEREBY STATE that we will take action to establish a Groundwater Management Plan. This plan will provide for the common benefit of the District as a whole. It is the Board's intention to use a Citizens Advisory Committee to assist the Board in developing this plan and to present the plan for approval to the voters according to the procedures outlined in AB786 (Water Code Sections 10700 - 10717).

Approved by unanimous vote of the Board of Directors (Director Farber absent), December 22, 1987.

Mendocino City Community Services District

MINUTE ORDER FROM THE
BOARD OF SUPERVISORS
COUNTY OF MENDOCINO STATE OF CALIFORNIA

DATE: 1/2/90

SUPERVISORS PRESENT: Redding, Eddie, Henry, de Vall, Butcher
SUPERVISORS ABSENT: None

(a) Mendocino City Community Services District - Chairman authorized to sign the letter pursuant to Water Code Section 10711 authorizing the Mendocino City Community Services District to develop groundwater ordinance and to exercise its powers accordingly.

STATE OF CALIFORNIA)

ss.

COUNTY OF MENDOCINO)

I, JOYCE A. BEARD, Clerk of the Board of Supervisors, in and for the County of Mendocino, State of California, do hereby certify the foregoing to be a full, true and correct copy of an order made by the Board of Supervisors, as the same appears upon their minute book.

WITNESS my hand and seal of said Board of Supervisors, affixed this 8th day of January, 1990.

JOYCE A. BEARD
Clerk of the Board

By: Virginia Goodace
Deputy

Mendocino City Community Services District

BOS AGREEMENT NO. 90-113

MEMORANDUM OF UNDERSTANDING BETWEEN
MENDOCINO CITY COMMUNITY SERVICES DISTRICT
AND
MENDOCINO COUNTY PUBLIC HEALTH DEPARTMENT

WHEREAS, The Mendocino City Community Services District, hereinafter referred to as "District," has adopted an ordinance to manage groundwater within its District boundaries as authorized by Water Code sections 10700 through 10717, and

WHEREAS, the Environmental Health Division of the Public Health Department of Mendocino County, hereinafter referred to as "COUNTY", issues well permits and enforces the groundwater provisions of Policy 4.13-16 of the Mendocino Town Plan, IT IS HEREBY AGREED between DISTRICT and COUNTY as follows:

1. Upon the effective date of DISTRICT's ordinance expressly regulating groundwater extraction within its boundaries, DISTRICT shall authorize and regulate groundwater extraction within its boundaries pursuant to such District Ordinance and Water Code sections 10700-10717.
2. COUNTY shall thereafter relinquish to District to the extent authorized by law COUNTY's regulation of groundwater extraction, except as provided below.
3. COUNTY shall retain its jurisdiction as to all standards for the construction, repair, reconstruction or destruction of wells, test wells and test holes, as described in Mendocino County Code Chapter 16.04.
4. DISTRICT shall monitor and enforce any groundwater extraction quantity limitation established by COUNTY pursuant to any use permit or land division approved by COUNTY prior to the

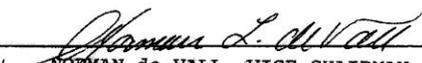
Mendocino City Community Services District

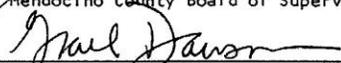
effective date of this Memorandum of Understanding, except as described in paragraph 5 below.

5. COUNTY will continue to enforce permit conditions placed by COUNTY on any subdivision with community water systems, which permit conditions require review or testing before such subdivision may be expanded to maximum build-out. However, DISTRICT will enforce its own regulations for groundwater extraction if any subdivision applicant applies to construct any new well, proposed development, or change of use not consistent with such applicant's original subdivision application.

6. COUNTY will promptly advise DISTRICT of any application for use permit, land division, building permit or well drilling permit for any property located within DISTRICT's boundaries.

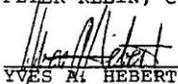
7. DISTRICT and COUNTY will work cooperatively to implement the transition of authority over groundwater extraction from COUNTY to DISTRICT.

DATE 5/15/90 BY 
NORMAN de VALL, VICE-CHAIRMAN
Mendocino County Board of Supervisors

DATE 6/1/90 BY 
GRAIL DAWSON, President of the Board
Mendocino City Community Services
District

APPROVED AS TO FORM:

H. PETER KLEIN, County Counsel

BY 
YVES M. HEBERT, Deputy

Mendocino City Community Services District



MENDOCINO COUNTY WATER AGENCY

COURTHOUSE
UKIAH, CALIFORNIA 95482
(707) 463-4589

January 4, 1990

Board of Directors
Mendocino City Community Services District
P.O. Box 1029
Mendocino, California 95460

Gentlemen:

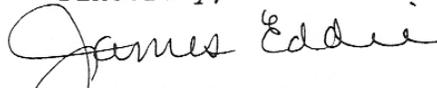
Mendocino County Water Agency staff has reviewed the draft Mendocino City Community Services District ground water ordinance, to satisfy Water Code Section 10711, the Board of Directors of the Agency does hereby grant permission to the District to exercise its powers.

In granting this permission the Agency is relinquishing none of its powers nor limiting its jurisdiction but is acceding to the exercise by Mendocino City Community Services District of powers granted it by the State Legislature.

The Agency is aware that this ordinance represents but the beginning of a ground water management program. Appended to this letter are some specific recommendations for a more complete program. As we each further develop our respective programs, it is important that we continue to coordinate and communicate so that our efforts are synergistic, not duplicative.

We look forward to a fruitful, harmonious relationship.

Sincerely,


James Eddie, Chairman
Board of Directors

JE:LHB:jm

Mendocino City Community Services District

Technical Requirements for MCCSD's Management of the Ground Water Resource

1. Creation of a map showing areas of chronic ground water shortage. This map should be an overlay for a base map showing lot boundaries and Assessor Parcel number.
2. A overlay map showing the results of all pump tests. Results to be shown should include the pump discharge, the calculated transmissivity (or hydraulic conductivity divided by aquifer thickness) and storage coefficients. This information should be used in conjunction with the chronic water shortage map to delineate zones of potential water supply.
3. Protection of recharge areas. Some recharge to the aquifer probably occurs within the boundaries of MCCSD where the contact of bedrock and terrace deposits intersect the land surface. These areas have been mapped in the June 1985 DWI report. This map should be transferred to an overlay for the parcel number map. These areas should be kept free of impervious surfaces and hazardous materials.
4. A systematic monitoring program should be carried out. The pumpage and the depth to water from metered wells should be read at least quarterly. The depth to water in several other wells within in each zone (see 2. above) should also be monitored on the same schedule as the pumpage. Water level maps and pumpage maps should be constructed.

UNDESIGNED BY MCCSD, D.L.N.

Mendocino City Community Services District

RESOLUTION NO. 113

**RESOLUTION OF INTENTION
TO ADOPT GROUNDWATER EXTRACTION
PERMIT ORDINANCE**

The Board of Directors of the Mendocino City Community Services District does hereby adopt a Resolution of Intention to Adopt and Implement the Groundwater Extraction Permit Ordinance, as amended, attached hereto and incorporated herein. This intention to adopt was passed and adopted on the 9th day of January, 1990 by the following vote:

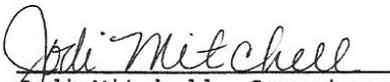
AYES: Directors Zacha-Peterson, Lobell, Smith and Dawson

NOES: Director O'Brien

ABSENT: None


Gail Dawson
President

Attest:


Jodi Mitchell, Secretary

Mendocino City Community Services District

GROUNDWATER EXTRACTION PERMIT
January 11, 1990

Page 1

MENDOCINO CITY COMMUNITY SERVICES DISTRICT

ORDINANCE # 90-1

GROUNDWATER EXTRACTION PERMIT

Pursuant to the authority as set forth in the California Water Code Sections 10700 through 10717, the Mendocino City Community Services District (MCCSD) adopts the following GROUNDWATER EXTRACTION PERMIT Process as the first component of a comprehensive Groundwater Management Program. All real property within the boundaries of MCCSD shall be subject to these regulations.

1. Permits Required

No person shall extract groundwater within the boundaries of the MCCSD for "new development" or "change in use", and no water shall be extracted from a well constructed or modified following the adoption of this ordinance within the boundaries of MCCSD unless the person possesses a valid and current GROUNDWATER EXTRACTION PERMIT as set forth herein.

A GROUNDWATER EXTRACTION PERMIT shall not be necessary for reasonable repair, maintenance and/or cleaning of an existing well, but a GROUNDWATER EXTRACTION PERMIT shall be required for any modifications in the structure or depth of the well. The District shall not issue a GROUNDWATER EXTRACTION PERMIT unless the applicant has obtained all other appropriate drilling permits, including but not limited to permits required by the California Coastal Commission and the County of Mendocino.

2. Application Required for GROUNDWATER EXTRACTION PERMIT

Application for a GROUNDWATER EXTRACTION PERMIT shall be made in

Mendocino City Community Services District

MENDOCINO CITY COMMUNITY SERVICES DISTRICT
ORDINANCE #90-1
ADOPTING GROUNDWATER EXTRACTION PERMIT ORDINANCE

The Board of Directors of the Mendocino City Community Services District (MCCSD) ordains as follows:

The GROUNDWATER EXTRACTION PERMIT ORDINANCE published in the Mendocino Beacon dated January 18, 1990, is hereby adopted and the Groundwater Extraction Permit process and procedures as set forth therein shall be implemented by MCCSD pursuant to the authority as set forth in the California Water Code Sections 10700 through 10717.

This Ordinance shall be published once in the Mendocino Beacon, a newspaper of general circulation published within the District. This ordinance was adopted at a meeting of the Board of Directors on February 26, 1990, by the following vote:

AYES: Directors Smith, Lobell and Dawson

NOES: Director O'Brien

ABSENT: None



Herbert Lobell
Acting President
MENDOCINO CITY COMMUNITY
SERVICES DISTRICT

Attest:



Jodi Mitchell
District Secretary

**MENDOCINO CITY COMMUNITY SERVICES DISTRICT
ORDINANCE NO. 07-1
GROUNDWATER EXTRACTION PERMIT**

Pursuant to the authority as set forth in the California Water Code Sections 10700 through 10717, the Mendocino City Community Services District (MCCSD) adopts the following Groundwater Extraction Permit Ordinance amending and replacing Groundwater Extraction Permit Ordinance No. 90-1, No. 91-3, No. 92-2, No. 00-1, No. 01-1, and No. 04-1. All real property within the boundaries of MCCSD shall be subject to these regulations. The intent of this ordinance is to protect the groundwater resources within the boundaries of the MCCSD for the common good of all present and potential users.

1. Permits Required

No person shall extract groundwater within the boundaries of the MCCSD for “new development”, “change in use”, or “expansion of existing use” and no water shall be extracted from a well constructed or modified following the adoption of this ordinance within the boundaries of MCCSD unless the person possesses a valid and current Groundwater Extraction Permit as set forth herein.

A Groundwater Extraction Permit shall be required:

1. prior to the issuance of a Mendocino County Use Permit; or Coastal Development Permit
2. prior to the issuance of a Mendocino County Building Permit for other than minor repair and maintenance;
3. prior to the issuance of a Mendocino County Well Permit; or
4. following the sale of real property within the boundaries of the MCCSD.

A Groundwater Extraction Permit shall not be necessary for minor repair and maintenance to existing structures and wells, or cleaning of an existing well, but a Groundwater Extraction Permit shall be required for any modifications in the structure or depth of the well. The District shall not issue a Groundwater Extraction Permit unless the applicant has obtained all other appropriate drilling permits, including but not limited to permits required by the California Coastal Commission and the County of Mendocino.

The District Superintendent is authorized to advise appropriate agencies that no permit action is required with regard to cases exempt from permit procedures established by this Ordinance.

17. **Severability**

If any section, subsection, paragraph, sub-paragraph, sentence, clause or phrase of this is for any reason held to be invalid or unconstitutional, such invalidity or unconstitutionality shall not affect the validity or constitutionality of the remaining portions of this ordinance and such remaining portions of this ordinance shall remain in full force and effect.

18. **Board May Issue Emergency Permit**

Nothing in this permit process shall be deemed to diminish the authority of the Board to act in any manner consistent with the existing laws. Nothing in this permit process shall prohibit the Board from issuing any permit for groundwater extraction or other water development without public notice in the event that the Board determines that an emergency situation requires the issuance of such permit.

19. **Constitutionality**

This ordinance is not intended to authorize, and shall not be construed as authorizing, the MCCSD to exercise its power in a manner which will take or damage private property for public use. This ordinance is not intended to increase or decrease the rights of any owner of property under the Constitution of the State of California or the United States of America.

This ordinance shall be published once in the Mendocino Beacon, a newspaper of general circulation published within the District. This Ordinance was introduced at a meeting of the Board of Directors on December 18, 2006, and adopted by the Board of Directors on January 29, 2007 by the following vote:

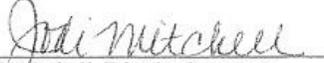
AYES: Directors Kraynek, Bowery, Jelic, Schwartz, and O'Brien

NOES: None

ABSENT: None


Edward O'Brien III, Board President

ATTEST:


Jodi Mitchell, District Secretary

Mendocino City Community Services District

MEMORANDUM OF UNDERSTANDING MENDOCINO CITY COMMUNITY SERVICES DISTRICT AND MENDOCINO UNIFIED SCHOOL DISTRICT

WHEREAS, the efficient use of local water resources is an appropriate concern of local Districts; and

WHEREAS, the Mendocino City Community Services District (hereinafter referred to as MCCSD) desires to make efficient use of its waste water resources; and

WHEREAS, the Mendocino Unified School District (hereinafter referred to as MUSD) has a continuing need for irrigation water for its school athletic fields; and

WHEREAS, the MCCSD has the desire and ability to supply recycled water to the MUSD for the purpose of irrigating its athletic fields.

IT IS HEREBY AGREED between MCCSD and MUSD as follows:

1. MCCSD agrees to provide tertiary disinfected recycled water to irrigate Mendocino High School athletic fields. It is presently estimated that approximately 50,000 gallons of recycled water from the waste water treatment plant per week will be utilized by the Mendocino High School to irrigate the athletic fields during the summer and fall months of the year.

2. MCCSD agrees to make necessary modifications to its waste water treatment plant process to accommodate MUSD's need for recycled water and to meet additional water quality standards and record keeping requirements of the California Department of Health Services. These required necessary modifications and other requirements are described in detail in a letter dated November 25, 1996, from District Engineer Bruce H. Burton, PE of the Department of Health Services. A copy of this letter is attached to this Agreement as Exhibit A and hereby incorporated by reference as though fully set forth herein. MCCSD estimates the initial costs of these modifications to be \$30,000.00 in addition to ongoing costs of approximately \$500.00 per month. These additional costs will be incurred primarily during the approximate 4 month period during which recycled water will be provided to MUSD. MCCSD agrees to undertake ongoing maintenance and operation of the improvements constructed pursuant to this Agreement. All such improvements are located within the MCCSD plant site.

Memorandum of Understanding
Page 1 of 2

Mendocino City Community Services District

3. MUSD agrees to construct certain improvements including storage facilities and irrigation facilities, as well as repair an existing water transfer line. The estimated initial cost of these improvements is \$42,000.00. Furthermore, MUSD will incur costs of approximately \$100.00 per month (in addition to staff time) during the approximate 4 month period during which recycled water will be used by MUSD. MUSD agrees to be responsible for ongoing maintenance and operation of the improvements constructed pursuant to this Agreement.

4. MCCSD and MUSD mutually agree to construct the improvements necessary to provide MCCSD recycled water to MUSD. The Districts presently intend to complete construction of these improvements by Fall 1997. MCCSD and MUSD further agree that they shall maintain these improvements, including necessary monthly costs, until such time as it is otherwise agreed by the respective Districts.

5. In order to comply with the requirements in the attached Exhibit A, it will be necessary for MUSD to maintain certain records and provide these records to MCCSD. Specifically, MUSD must perform chlorine testing in accordance with the criteria set forth in the attached Exhibit A. Such testing must be done at the storage tank prior to irrigation. Furthermore, MUSD must conduct a total coliform test in accordance with the criteria set forth in the attached Exhibit A. MUSD agrees to conduct the necessary sampling and testing, obtain and log test results, and provide the test results to MCCSD on a monthly basis. In the event of any failure to meet the required chlorine residual and storage detention time or total coliform MPN as set forth in Exhibit A, MUSD agrees to immediately notify MCCSD. MUSD further agrees not to use the recycled water for irrigation purposes until such time as the water passes the required chlorine and total coliform tests.

Dated: February 24, 1997

MENDOCINO UNIFIED SCHOOL DISTRICT

By *Kenneth M. ...*

Title: *Superintendent*

Dated: February 24, 1997

MENDOCINO CITY COMMUNITY SERVICES DISTRICT

By *Edward O'Brien*
EDWARD O'BRIEN, Chairman

Memorandum of Understanding
Page 2 of 2

Mendocino City Community Services District

MENDOCINO CITY COMMUNITY SERVICES DISTRICT MENDOCINO UNIFIED SCHOOL DISTRICT

JOINT RESOLUTION NO. 97-1

A resolution of the Mendocino City Community Services District and Mendocino Unified School District concerning the use of recycled water for irrigation of school athletic fields.

WHEREAS, the efficient use of local water resources is an appropriate concern of local districts; and

WHEREAS, the Mendocino City Community Services District desires to make efficient use of its waste water resources; and

WHEREAS, the Mendocino Unified School District has a continuing need for irrigation water for its school athletic fields; and

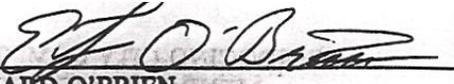
WHEREAS, the Mendocino City Community Services District has the desire and ability to supply recycled water to the Mendocino Unified School District for the purpose of irrigating its athletic fields.

IT IS HEREBY JOINTLY RESOLVED, by the Mendocino City Community Services District (MCCSD) and the Mendocino Unified School District (MUSD) that these two Districts will enter into a memorandum of understanding whereby recycled water from the MCCSE Waste Water Treatment Plant could be used for the irrigation of MUSD school athletic fields. The estimated initial cost to the MCCSD will be \$30,000.00. The estimated initial cost to the MUSD will be \$42,000.00. A detailed discussion of the relationship between the two Districts with respect to this project will be set forth in a memorandum of understanding between these two Districts.

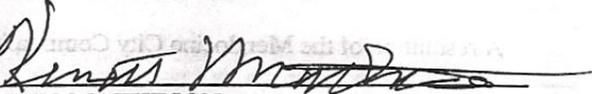
Joint Resolution No. 97-1

Mendocino City Community Services District

Dated: February 24, 1997


EDWARD O'BRIEN
Board President
Mendocino City Community Services District

Dated: February 13, 1997


KEN MATHESON
District Superintendent
Mendocino Unified School District

ATTEST:


Jodi Mitchell
District Secretary

Joint Resolution No. 97-1

Mendocino City Community Services District

ADOPTED 2/25/91 MCCSD BOARD OF DIRECTORS

PROPOSAL FOR A WATER CONSERVATION PROGRAM IMPLEMENTED BY MCCSD

In a time when not only Mendocino but the whole state of California faces a severe water shortage after years of low annual rainfall water conservation is imperative. In Mendocino water conservation is not simply an alternative to a water system but will be necessary with or without one given California's dwindling water resource. A water conservation program should be addressed with this in mind.

- I. A voluntary water conservation program has the best chance for success.
 - a) Any attempt to regulate the use of private wells would meet with resistance in the community and alienate residents.
 - b) State law is very shaky on ground-water rights. Enforced conservation would very likely lead to law-suits.
 - c) The water extraction ordinance already gives MCCSD control over additional draw-down of the aquifer.
- II. The best method to promote voluntary water conservation is through a continuous educational program.
 - a) With a weekly column in the Mendocino Beacon which would cover
 1. Information on the hydrologics of individual wells, types of wells dug and drilled, measuring well depth and level, well repairs, cleaning and maintenance.
 2. Water savers: low flow devices for bath and kitchen, drought resistant-low water use gardens.
 3. Understanding the Mendocino aquifer.

Mendocino City Community Services District

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4. Water storage: Tanks and catchment.

5. Where the water goes: the quantity of water used for various indoor and outdoor activities.

(To cover these subjects MCCSD would solícite contributions to the column from local plumbers, well drillers, plumbing suppliers, landscape gardeners etc. to augment material available from the Department of Water Resources and other agencies. Interest could be sparked by publishing a weekly water saving tip submitted by locals.

b) Posters urging water conservation placed in shops and other public places.

c) A well designed pamphlet placed in all tourist serving facilities, including vacation home rentals, outlining in a friendly way steps tourists can take to save water while visiting Mendocino. The content, design and production of this pamphlet should be left to the business community.

d) Create an awards program to acknowledge: The water saving garden of the year (selected by local landscape gardeners) the best water saving tip of the year (by popular acclaim), the tourist accomodation best promoting conservation (chosen by innkeepers).

e) Introduction of water conservation education into school curriculum.

III. Water storage assistance

a) Establish a fund from voluntary contributions to assist low income residents with the installation of storage tanks.

b) And or solícite local plumbers and plumbing suppliers to give discounts to low income residents for tank installations.

c) Individuals or merchants contributing funds or discount

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to be given due recognition.

- IV. Work with County Building and Planning Department on enforcement and tightening of codes related to the use of low water use fixtures in new and remodeled buildings.
- V. Evaluate the success of the program at four month interval based on participation and feed-back from the community.
- VI. Incorporate any workable suggestions from the community.

Mendocino City Community Services District

| Year | Total Flow mg | Dry vs. High Flow | | | | Estimated Water Demand, gal/d | 9/30 to 10/1 Rain, inches |
|------|------------------|---------------------------------------|-----------|----------------------------------|---|----------------------------------|---------------------------------|
| | | 1/1 to 12/31 Av. Daily Flow mgd | ac-ft/yr. | Wet Flow, mgd Dec1-June 30 | Dry Weather Flow, mgd July 1-Nov 30 | | |
| 1979 | 30.86 | 0.084 | 94.1 | 0.088 | 0.07 | | 37.85 |
| 1980 | 32.39 | 0.089 | 99.7 | 0.109 | 0.067 | | 50.14 |
| 1981 | 36.13 | 0.099 | 110.9 | 0.095 | 0.094 | | 34.09 |
| 1982 | 44.17 | 0.121 | 135.55 | 0.119 | 0.122 | | 60.62 |
| 1983 | 51.83 | 0.142 | 159.07 | 0.158 | 0.11 | | 80.1 |
| 1984 | 38.99 | 0.107 | 119.66 | 0.111 | 0.101 | | 50.92 |
| 1985 | 30.86 | 0.084 | 94.10 | 0.099 | 0.068 | | 36.2 |
| 1986 | 39.69 | 0.109 | 121.81 | 0.127 | 0.092 | | 46.35 |
| 1987 | 38.29 | 0.105 | 117.530 | 0.104 | 0.1 | | 35.25 |
| 1988 | 34.92 | 0.096 | 107.17 | 0.097 | 0.094 | | 31 |
| 1989 | 36.41 | 0.1 | 111.75 | 0.103 | 0.097 | | 40.32 |
| 1990 | 36.59 | 0.1 | 112.30 | 0.101 | 0.099 | 268,621 | 38.59 |
| 1991 | 33.25 | 0.091 | 102.05 | 0.094 | 0.090 | | 25.46 |
| 1992 | 38.26 | 0.105 | 117.42 | 0.097 | 0.100 | | 34.35 |
| 1993 | 38.78 | 0.106 | 119.02 | 0.126 | 0.093 | 249,568 | 55.75 |
| 1994 | 30.48 | 0.084 | 93.55 | 0.089 | 0.078 | | 29.74 |
| 1995 | 38.51 | 0.106 | 118.19 | 0.137 | 0.062 | | 60.34 |
| 1996 | 31.9 | 0.087 | 97.90 | 0.097 | 0.066 | | 44.58 |
| 1997 | 32.61 | 0.089 | 100.08 | 0.100 | 0.074 | | 36.07 |
| 1998 | 44.96 | 0.123 | 137.99 | 0.161 | 0.074 | | 75.55 |
| 1999 | 34.56 | 0.096 | 106.07 | 0.115 | 0.071 | | 46.4 |
| 2000 | 29.78 | 0.082 | 91.40 | 0.091 | 0.071 | 261,126 | 36.65 |
| 2001 | 27.35 | 0.075 | 83.94 | 0.070 | 0.064 | 272,466 | 26.55 |
| 2002 | 30.90 | 0.085 | 94.84 | 0.095 | 0.064 | 242,111 | 34.71 |
| 2003 | 33.46 | 0.092 | 102.69 | 0.120 | 0.069 | 246,219 | 49.61 |
| 2004 | 31.01 | 0.085 | 95.17 | 0.096 | 0.064 | 208,226 | 36.39 |
| 2005 | 27.54 | 0.075 | 84.52 | 0.084 | 0.067 | 207,187 | 42.96 |
| 2006 | 46.22 | 0.127 | 141.85 | 0.166 | 0.088 | 195,691 | 53.48 |
| 2007 | 29.43 | 0.081 | 90.32 | 0.088 | 0.073 | 195,239 | 29.83 |
| 2008 | 29.03 | 0.080 | 89.09 | 0.089 | 0.068 | 197,957 | 31.75 |
| 2009 | 25.55 | 0.070 | 78.42 | 0.071 | 0.066 | 198,068 | 24.38 |
| 2010 | 34.71 | 0.095 | 106.53 | 0.101 | 0.074 | 197,962 | 47.24 |
| 2011 | 30.43 | 0.083 | 93.39 | 0.087 | 0.077 | 197,922 | 46.93 |

Actual Water Use/Expected Water Use= Percentage of Expected Water Use
 (2011 Av. Daily Flow/2011 Water Demand)(100)= %
 (83,000 gal/day/197,922 gal/day)(100)= 42%