Appendix N.

Response to Comments Pertaining to the Proposed Mitigated Negative Declaration and Initial Study for the Proposed Project

The California Department of Water Resources (DWR) received several comment letters during the public review period (June 26, 2008 to July 22, 2008) for the Proposed Mitigated Negative Declaration and Initial Study (MND/IS) for the Sutter Bypass East Borrow Canal Water Control Structures Project.

DWR revised the proposed IS/MND to address issues raised in the comment letters, and included the comment letters and DWR's response to comments in this appendix (Appendix N). Appendix N also includes details on long-term and short-term (construction-related) weir operations, in addition to those described in Appendix H (Operational procedures for Willow Slough Weir and Weir No 2). The final IS/MND has been certified by the Department of Water Resources and will be available on the Fish Passage Improvement Program website at: http://www.watershedrestoration.water.ca.gov/fishpassage/.

The following letters and responses are included in this Appendix:

1) Letter from Native American Heritage Commission dated June 28, 2008
   - DWR's Response

2) Comment submitted via email from the Department of Toxic Substances Control dated July 7, 2008
   - DWR's Response

3) Letter from the Department of Fish and Game dated July 15, 2008.
   - DWR's Response

4) Letter from Montna Farms dated July 18, 2008
   - DWR's Response

5) Letter from the Sutter Bypass / Butte Slough Water Users' Association dated July 18, 2008.
   - DWR's Response with Attachments:
     - Operation of Sutter Bypass East Borrow Canal Water Control Facilities: Weir No. 2 and Willow Slough Weir
     - Appendix 1: Water Year Classification
     - Appendix 2: Recorded Stage Elevation (Historical Water Surface Elevation in the East Borrow Canal)
     - Appendix 3: Weir No. 2 Phase 1 construction
     - Appendix 4: Weir No. 2 Phase 2 construction
     - Appendix 5: Willow Slough Weir Replacement

STATE OF CALIFORNIA Arnold Schwarzenegger, *Governor*

NATIVE AMERICAN HERITAGE COMMISSION
915 CAPITOL MALL, ROOM 364
SACRAMENTO, CA 95814
(916) 653-4082
(916) 657-5390 - Fax

June 23, 2008

Harry Spanglet
Department of Water Resources
901 P Street, 2nd Floor
Sacramento, CA 95814

RE: SCH#2008062058 Sutter Bypass East Borrow Canal Water Control Structures Project; Sutter County.

Dear Mr. Spanglet:

The Native American Heritage Commission (NAHC) has reviewed the Notice of Completion (NOC) referenced above. The California Environmental Quality Act (CEQA) states that any project that causes a substantial adverse change in the significance of an historical resource, which includes archeological resources, is a significant effect requiring the preparation of an EIR (CEQA Guidelines 15064(b)). To comply with this provision the lead agency is required to assess whether the project will have an adverse impact on historical resources within the area of project effect (APE), and if so to mitigate that effect. To adequately assess and mitigate project-related impacts to archaeological resources, the NAHC recommends the following actions:

- ✓ Contact the appropriate regional archaeological Information Center for a record search. The record search will determine:
  - If a part or all of the area of project effect (APE) has been previously surveyed for cultural resources.
  - If any known cultural resources have already been recorded on or adjacent to the APE.
  - If the probability is low, moderate, or high that cultural resources are located in the APE.
  - If a survey is required to determine whether previously unrecorded cultural resources are present.
- ✓ If an archaeological inventory survey is required, the final stage is the preparation of a professional report detailing the findings and recommendations of the records search and field survey.
  - The final report containing site forms, site significance, and mitigation measurers should be submitted immediately to the planning department. All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum, and not be made available for pubic disclosure.
  - The final written report should be submitted within 3 months after work has been completed to the appropriate regional archaeological Information Center.
- ✓ Contact the Native American Heritage Commission for:
  - A Sacred Lands File Check. **USGS 7.5 minute quadrangle name, township, range and section required.**
  - A list of appropriate Native American contacts for consultation concerning the project site and to assist in the mitigation measures. **Native American Contacts List attached.**
- ✓ Lack of surface evidence of archeological resources does not preclude their subsurface existence.
  - Lead agencies should include in their mitigation plan provisions for the identification and evaluation of accidentally discovered archeological resources, per California Environmental Quality Act (CEQA) §15064.5(f). In areas of identified archaeological sensitivity, a certified archaeologist and a culturally affiliated Native American, with knowledge in cultural resources, should monitor all ground-disturbing activities.
  - Lead agencies should include in their mitigation plan provisions for the disposition of recovered artifacts, in consultation with culturally affiliated Native Americans.
  - Lead agencies should include provisions for discovery of Native American human remains in their mitigation plan. Health and Safety Code §7050.5, CEQA §15064.5(e), and Public Resources Code §5097.98 mandates the process to be followed in the event of an accidental discovery of any human remains in a location other than a dedicated cemetery.

Sincerely,

Katy Sanchez

Katy Sanchez
Program Analyst

CC: State Clearinghouse

Native American Contacts
Sutter County
June 23, 2008

Strawberry Valley Rancheria
Calvine Rose, Chairperson
PO Box 667 Maidu
Marysville , CA 95901 Miwok

Enterprise Rancheria of Maidu Indians
Frank Watson, Vice Chairperson
1940 Feather River Blvd., Suite B Maidu
Oroville , CA 95965
eranch@cncnet.com
(530) 532-9214
(530) 532-1768 FAX

Enterprise Rancheria of Maidu Indians
Glenda Nelson, Chairperson
1940 Feather River Blvd., Suite B Maidu
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(530) 532-9214
(530) 532-1768 FAX

Strawberry Valley Rancheria
Robert Kerfoot
PO Box 667 Maidu
Marysville , CA 95901 Miwok

This list is current only as of the date of this document.

Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources for the propose SCH# 2008062058 Sutter Bypass East Borrow Canal Water Control Structures Project; Sutter County.

STATE OF CALIFORNIA -- THE RESOURCES AGENCY

ARNOLD SCHWARZENEGGER, *Governor*

DEPARTMENT OF WATER RESOURCES
1416 NINTH STREET, P.O. BOX 942836
SACRAMENTO, CA 94236-0001
(916) 653-5791

OCT 23 2008

Ms. Katy Sanchez, Program Analyst
Native American Heritage Commission
915 Capitol Mall, Room 364
Sacramento, California 95814

Re: SCH No.2008062058 California Department of Water Resources Sutter Bypass East Borrow Canal Water Control Structures Project: Weir No. 2 and Willow Slough Weir

Dear Ms. Sanchez:

Thank you for your letter of June 23, 2008, regarding the cultural resources studies related to the Sutter Bypass East Borrow Canal Water Control Structures Project in Sutter County. The Department of Water Resources (DWR) is fully aware of its responsibilities under CEQA and we believe that we have addressed the issues you listed. The attached Archaeological Survey Report demonstrates our compliance with your recommendations. Actions taken include a record search, contact with the Native American Heritage Commission for a Sacred Lands file check, consultation with local Native American representatives and community members, archaeological survey of the project area, and production of a written report.

As stated in the proposed Mitigated Negative Declaration/Initial Study, DWR recognizes that, should historical or archeological resources be identified during the course of construction, all work must stop in the immediate vicinity of the finds until they can be evaluated by a qualified archaeologist, and a plan of action is determined in consultation with the State Historic Preservation Officer and the local Native American community, as appropriate.

Lastly, DWR acknowledges the need to treat the unanticipated and accidental discovery of human remains according to Section 7050.5 of the California Health and Human Safety Code and, if necessary, Section 5097.98 of the Public Resources Code (also CEQA guidelines Section 15064.5 9d) and (e)).

Thank you again for your review of our document. If you have any questions, please contact me at (916) 651-9608, or Janis Offermann, Senior Environmental Planner at (916) 445-6478, or by email at janiso@water.ca.gov. If you have any additional questions or concerns about the cultural resources studies for the Sutter Bypass East Borrow Canal Water Control Structures Project.

Sincerely,

for

Harry Spanglet
Staff Environmental Scientist
Fish Passage Improvement Program
Division of Planning and Local Assistance

Enclosure

-----Original Message-----
From: Thomas Olson [mailto:TOlson@dtsc.ca.gov]
Sent: Monday, July 07, 2008 3:27 PM
To: Spanglet, Harry
Subject: Sutter Bypass TWW

Mr. Spanglet:

Here is a form letter I have drafted for your Sutter Bypass project that contains information and links that pertain to Treated Wood Waste. Feel free to contact me with any questions.

Tom Olson
Hazardous Substance Scientist
8800 Cal Center Dr.
Sacromento, CA 95826
(916)-255-3801

Harry Spanglet
Department of Water Resources
901 P Street, 2nd Floor
Sacramento, CA 956814

Sutter Bypass East Borrow Canal Water Control Structures

Dear Mr. Singlet:

The Department of Toxic Substances Control (DTSC) has reviewed the document above which proposes the replacement of two weirs and their associated fish ladders. DTSC was unable to determine from the information provided whether the wood waste that would be generated from the project consist of treated wood and therefore would be classified as treated wood waste (TWW) under Health and Safety Code (HSC) sections 25143.1.5, 25150.7, or 25150.8, upon removal. Common treatments include creosote, pentachlorophenol, copper azole (CA-B), copper boron azole (CBA), chromated copper arsenate (CCA), ammoniacal copper zinc arsenate (ACZA), copper naphthenate, and alkaline copper quaternary (ACQ). Surface applied coatings such as paint, varnish, and oil stain, are not considered wood preservatives. Guidelines as to how TWW should be handled include:

- Treated wood waste that is a) hazardous waste under California law, b) is not a RCRA-TWW, and c) not from electric, gas, or telephone service (not utility exempt) is eligible for the provisions of HSC § 25150.7 and 25150.8. TWW may be disposed only in hazardous waste landfills or qualified solid waste landfills.

- Treated wood waste that is not hazardous under California law may be disposed at a non-hazardous landfill according to the authorization and provisions of the landfill. For management options for non-hazardous waste, contact the California Integrated Waste Management Board (CIWMB) at (916) 341-6376.

For additional information on how to classify treated wood, dispose of it properly, and obtain contact numbers for assistance, please refer to *http://www.dtsc.ca.gov/HazardousWaste/Treated_Wood_Waste.cfm* on the internet.

Please contact me by email at *Tolson@dtsc.ca.gov* or by telephone at (916) 255-3801 if you have any questions.

Sincerely,

Tom Olson
Hazardous Substances Scientist

STATE OF CALIFORNIA -- THE RESOURCES AGENCY

ARNOLD SCHWARZENEGGER, *Governor*

DEPARTMENT OF WATER RESOURCES
1416 NINTH STREET, P.O. BOX 942836
SACRAMENTO, CA 94236-0001
(916) 653-5791

OCT 23 2008

Mr. Tom Olson
Hazardous Substance Scientist
Department of Toxic Substances Control
8800 Cal Center Drive
Sacramento, California 95826

Re: SCH No. 2008062058 California Department of Water Resources Sutter Bypass East Borrow Canal Water Control Structures Project: Weir No. 2 and Willow Slough Weir

Dear Mr. Olson:

The California Department of Water Resources (DWR) would like to thank you for taking the time to comment on the proposed Mitigated Negative Declaration and Initial Study (MND/IS) for the Sutter Bypass East Borrow Canal Water Control Structures Project.

As stated in your comment letter dated July 7, 2008, "the Department of Toxic Substances Control was unable to determine from the information provided whether the wood waste that would be generated from the project consist of treated wood and therefore would be classified as treated wood waste (TWW) under Health and Safety Code (HSC) sections 25143.1.5, 25150.7, or 25150.8, upon removal."

DWR proposes to dispose of wood at both sites: wooden flashboards at Weir No. 2 and a temporary wooden fish ladder structure at Willow Slough Weir. After consulting with DWR Sutter Maintenance Yard staff and DWR Division of Engineering staff, we determined that the wood to be disposed of would not be classified as "treated wood waste." Therefore, DWR plans to dispose of the wood at a non-hazardous waste landfill.

After the public review period for the MND/IS ended on July 22, 2008, we considered all comments and made revisions to the MND/IS where appropriate. The final MND/IS will be available at the following website:
http://www.watershedrestoration.water.ca.gov/fishpassage/projects/lowerbutte.cfm

If you have any questions regarding our response to your comment, please contact me at (916) 651-9608 or James Newcomb at (916) 651-9629, or Megan Sheely at (916) 651-9623.

Sincerely,

Harry Spanglet
Staff Environmental Scientist
Fish Passage Improvement Program
Division of Planning and Local Assistance

State of California - The Resources Agency ARNOLD SCHWARZENEGGER, Governor

DEPARTMENT OF FISH AND GAME
http://www.dfg.ca.gov
North Central Region
1701 Nimbus Road, Suite A
Rancho Cordova, CA 95670
(916) 358-2900

July 15, 2008

Mr. Harry Spanglet
Staff Environmental Scientist
Fish Passage Improvement Program
Division of Planning and Local Assistance
California Department of Water Resources
P.O. Box 942836
Sacramento, CA 94236-0001

Dear Mr. Spanglet:

The Department of Fish and Game (Department) has reviewed the Notice of a Proposed Mitigated Negative Declaration (MND) for the Sutter Bypass East Borrow Canal Water Control Structures Project in Sutter County. The project would replace two existing weirs and the associated fish ladders on the East Borrow Canal (EBC) of the Sutter Bypass. The proposed new structures would improve weir operational safety, efficiency, and improve anadromous fish passage at both the Weir No. 2 and Willow Slough Weir sites. Currently both weirs are deteriorating and not functioning adequately. The Department of Water Resources (DWR) is proposing to replace each of the existing weirs with new structures (at the existing sites) that will perform the same function, and replace the existing fish ladders for improved anadromous fish passage. It is stated that during the proposed construction period, May 15, 2009, through October 15, 2009, for both the Willow Slough Weir and Weir No. 2 sites; as well as continued construction at the Weir No. 2 site during the period of May 15, 2010, through October 15, 2010, the water stage elevation in the EBC upstream of the weirs will be maintained and fish ladders will be operational.

An important feature of the Sutter Bypass is that it is a migration pathway for a number of listed and special status anadromous fish species, including Central Valley spring-run Chinook salmon (*Oncorhynchus tschawytscha*), which are currently listed as Threatened under both the Federal Endangered Species Act and the California Endangered Species Act.

Although it is stated that Department personnel have been included in pre-planning aspects of the Project, it should be emphasized that the Department requires continuous fish passage throughout the duration of the construction period. In that endeavor the Department requires that all 'Fish Rescue' activities are considered on a

case by case basis. As described (Appendix J) Fish Rescue does not meet Fish and Game Code 5931. Both adult and juvenile fish shall require continuous passage past the construction site.

The Department welcomes the opportunity to review and comment on any related or upcoming documentation concerning the proposed project, and encourages the project proponent to meet with Department personnel and other resource agencies during the development of any such documents. If you have any questions or need further assistance, please contact Mr. Ian Drury, Environmental Scientist, at (916) 358-2030, idrury@dfg.ca.gov, or Mr. Joseph Johnson, Senior Environmental Scientist, at phone (916) 358-2943, jrjohnson@dfg.ca.gov.

Sincerely,

Sandra Morey
Regional Manager

cc: Mr. Mike Tucker
National Marine Fisheries Service
650 Capitol Mall, Rm 8-300
Sacramento, CA 95814

Ms. Elizabeth Campbell
Habitat Restoration Coordinator
Anadromous Fish Restoration Program
U.S. Fish and Wildlife Service
Stockton, CA 95205

Mr. Joseph Johnson
Mr. Ian Drury
Department of Fish and Game
1701 Nimbus Road, Suite A
Rancho Cordova, CA 95670

Mr. Clint Garman
Ms. Tracy McReynolds
Department of Fish and Game
2545 Zanella Drive, Suite F
Chico, CA 95928

STATE OF CALIFORNIA -- THE RESOURCES AGENCY

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DEPARTMENT OF WATER RESOURCES
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(916) 653-5791

OCT 23 2008

Mr. Ian Drury
Department of Fish and Game
North Central Region
1701 Nimbus Road, Suite A
Rancho Cordova, California 95670

Re: SCH No.2008062058 California Department of Water Resources Sutter Bypass East Borrow Canal Water Control Structures Project: Weir No. 2 and Willow Slough Weir

Dear Mr. Drury:

Thank you for your comments on the proposed Mitigated Negative Declaration and Initial Study for the Sutter Bypass East Borrow Canal Water Control Structures Project. This letter is a response to your comments and includes a clarification regarding fish passage past the construction site, and fish rescue from isolated areas.

Our project schedule and construction phasing has incorporated design elements which provide fish passage throughout the duration of the construction period. Tracy McReynolds, Environmental Scientist of the Department of Fish and Game (DFG), and Rick Wantuck, Supervisory Hydraulic Engineer of National Marine Fisheries Service (NOAA Fisheries), have provided valuable information during the design phase which has enabled us to meet fish passage design criteria for the construction period.

During construction, parts of the channel will need to be isolated and dewatered. As isolation occurs, special status species may become trapped from the main channel. Fish rescue will be performed by a NOAA Fisheries approved Fish Biologist and will only occur in areas that become isolated from the main channel. Fish rescue will not be used as a substitute for fish passage. We will notify DFG before dewatering and fish relocation activities begin. It is our understanding that as long as we provide fish passage throughout construction, DFG has no other comments regarding our CEQA document.

If you have further questions, please contact me at (916) 651-9608 or James Newcomb at (916) 651-9629, or contact Megan Sheely at (916) 651-9623.

Sincerely,

Harry Spanglet
Staff Environmental Scientist
Fish Passage Improvement Program
Division of Planning and Local Assistance

cc: Mr. Clint Garman
Ms. Tracy McReynolds
Department of Fish and Game
2545 Zanella Drive, Suite F
Chico, California 95928

Mr. Joseph Johnson
Department of Fish and Game
North Central Region
1701 Nimbus Road, Suite A
Rancho Cordova, California 95670

Mr. James Navicky
Department of Fish and Game
1701 Nimbus Road
Rancho Cordova, California 95670

July 18, 2008

Via Electronic and U.S. Mail

Harry Spanglet
Division of Planning and Local Assistance
California Department of Water Resources
P.O. Box 942836
Sacramento, California 94236-0001

Re: Proposed Mitigation Negative Declaration/Initial Study for the Sutter Bypass East Borrow Canal Water Control Structures Project

Dear Mr. Spanglet:

Thank you for the opportunity to comment on the Proposed Mitigation Negative Declaration and Initial Study for the Sutter Bypass East Borrow Canal Water Control Structures Project in Sutter County ("Project").

A & G Montna Properties owns the property located to the South of Willow Slough. We have had discussions with representatives from DWR regarding our needs for uninterrupted access to our property. We want to be certain that we are not only provided temporary access to accommodate vehicular traffic, but also access that accommodates large trucks, (i.e. 40' lowbeds with equipment on them) and large agricultural equipment (i.e. excavators and scrapers). We have deeded rights that allow us access. We also need enough room for trucks to pass one another and corners that have enough radius for large equipment and trucks to turn for proper ingress and egress.

In addition to these comments, please see attached comments provided on behalf of the Sutter Bypass Butte Slough Water Users Association. We are members of this association and agree whole heartedly with these comments.

Thank you again for the opportunity to comment. The Association appreciates DWR's efforts to improve the infrastructure within the Sutter Bypass and Lower Butte Creek system.

Sincerely,

Nicole Montna Van Vleck
A & G Montna Properties, LP
Managing Partner

Montna Farms A. & G. Montna Properties, L.P. Montna Farms Dryer
12755 Garden Highway Yuba City, CA 95991 OFFICE 530.674.2837 FAX 530.671.4740

STATE OF CALIFORNIA -- THE RESOURCES AGENCY

ARNOLD SCHWARZENEGGER, *Governor*

DEPARTMENT OF WATER RESOURCES
1416 NINTH STREET, P.O. BOX 942836
SACRAMENTO, CA 94236-0001
(916) 653-5791

OCT 23 2008

Ms. Nicole Montna Van Vleck
A&G Montna Properties, LP
12755 Garden Highway
Yuba City, California 95991

Re: SCH No. 2008062058 California Department of Water Resources Sutter Bypass East Borrow Canal Water Control Structures Project: Weir No. 2 and Willow Slough Weir

Dear Ms. Van Vleck:

Thank you for your letter of June 23, 2008, regarding the proposed Mitigated Negative Declaration and Initial Study for the Sutter Bypass East Borrow Canal Water Control Structures Project in Sutter County. The letter includes comments pertaining to the proposed temporary bridge at the Willow Slough Weir site. The Department of Water Resources (DWR) has taken steps to ensure uninterrupted access to your property for the duration of the proposed project. In your letter you also indicated that you support the comments submitted by the Sutter Bypass/Butte Slough Water Users Association (Water Users) from DWR. We believe these comments have been fully addressed in the attached response to the Water Users.

To address your comments and those submitted by the Water Users, DWR staff met with you and representatives from Nordic/K-Four Farms, MHM, Inc., Montna Farms, and the Water Users on September 11, 2008. DWR staff subsequently met with representatives from Montna Farms and Nordic Industries at the project site and came to an agreement regarding the details of the temporary bridge design and installation. We believe the attached response to comments and supporting documents address the issues raised in the comment letters.

If you have any further questions, or would like to request additional information concerning this matter, please contact me at (916) 651-9608, or James Newcomb at (916) 651-9629, or contact Megan Sheely at (916) 651-9623.

Sincerely,

Harry Spanglet
Staff Environmental Scientist
Fish Passage Improvement Program
Division of Planning and Local Assistance

Enclosure

SOMACH SIMMONS & DUNN
A PROFESSIONAL CORPORATION
ATTORNEYS AT LAW

1312 WEST HERNDON AVENUE, FRESNO, CA 93711
T: 559-432-7533 F: 559-432-7566
SOMACHLAW.COM

July 18, 2008

Via Electronic and U.S. Mail

Harry Spanglet
Division of Planning and Local Assistance
California Department of Water Resources
P.O. Box 942836
Sacramento, California 94236-0001

Re: Proposed Mitigation Negative Declaration/Initial Study for the Sutter Bypass East Borrow Canal Water Control Structures Project

Dear Mr. Spanglet:

Thank you for the opportunity to comment on the Proposed Mitigation Negative Declaration and Initial Study for the Sutter Bypass East Borrow Canal Water Control Structures Project in Sutter County ("Project"). We are providing these comments on behalf of the Sutter Bypass/Butte Slough Water Users' Association (the "Association"). The Association has been involved in the stakeholder scoping process for the Project and generally supports the Department of Water Resources' ("DWR") efforts to replace two existing weirs and fish screens within the system. The Association's members rely on diversions from the Sutter Bypass and Butte Creek system to support their agricultural operations. Some of the members maintain farming operations adjacent to or near the weir locations.

Throughout DWR's development and analysis of this Project, the Association has maintained that DWR should ensure that the Project: (1) provides adequate temporary access over Willow Slough during construction; and (2) does not cause any alteration of surface water flows that would impact historic agricultural diversions within the Sutter Bypass/Lower Butte Creek system.

A. Temporary Access During Construction

The Association appreciates DWR's proposed construction of a temporary bridge (for vehicular use) over Willow Slough to ensure that its members are not precluded from accessing their agricultural fields during construction. (Initial Study for Sutter Bypass East Borrow Canal Water Control Structures ("Initial Study") at pp. 5, 14-16, 17 [Figure 6], and 20 [Figure 9] at pp. 70-71.) If timely constructed and installed, this important

Project feature will ensure that Project construction does not cause significant impacts to traffic and circulation or related air quality impacts. The Proposed Mitigated Negative Declaration for the Sutter Bypass East Borrow Canal Water Control Structures Project ("Proposed MND") and Initial Study do not, however, provide assurances that this vehicular access will be constructed prior to removal of the existing bridge.

The Association requests that DWR clarify that the removal of the existing bridge over Willow Slough will not occur until completion of the temporary bridge.

B. Alteration of Surface Water Flows Within System

The Association is concerned that surface flow alteration resulting from the Project may interfere with their members' historic agricultural diversions and impact local agricultural resources. DWR must consider and provide more information to explain: (a) the baseline conditions; (b) potential changes to the baseline conditions resulting from either Project construction or the long-term operation of the Project; (c) resulting effects on historical agricultural diversions and agricultural resources; and (d) mitigation measures to ensure that adequate flows will be maintained within the system during construction and long-term operation of the Project.

1. *Baseline Conditions*

The Environmental Setting section does not adequately explain the current hydrology and flows for the Sutter Bypass and Lower Butte Creek as they relate to agricultural diversions within the system. (See Initial Study at pp. 26-34.) Without an established baseline, any conclusion about adequacy of flows during Project construction and long-term operation of the Project would be meaningless. (14 Cal. Code Regs., § 15125; *Fat v. County of Sacramento* (2002) 97 Cal.App.4th 1270, 1277.)

Though the Initial Study and Proposed MND provide some discussion of flows and desired water elevations at the weir locations, the Association requests that DWR provide the public with more information about existing conditions within the Sutter Bypass and Lower Butte Creek system to provide meaningful comment on short-term and long-term changes to the baseline conditions. (See e.g., Appendix A at p. 11; Appendix B at pp. 12-13.)

2. *Changes to System-Wide Flows*

The Proposed MND and Initial Study refer to the potential "alteration of flow" within the system during Project construction. (See e.g., Initial Study at p. 47 ["the amount of water flowing downstream of the project site will not change significantly"], 58 ["[P]roject will not substantially alter flows in the [East Borrow Canal] or Willow Slough"], 61 ["Flow would temporarily be altered at the Weir No. 2 site during each phase of construction from May to October in 2009 and 2010"]; 62 ["Flow would be temporarily altered at the Willow Slough site during construction"]; see also Appendix L at p. 4.) However, the Proposed MND and Initial Study do not describe the nature and

extent of this alteration. (See e.g., Initial Study at pp. 40-47 [concluding less than significant impact (with mitigation) to biological resources due to alteration of flow without providing any information about expected change in current flows].) Rather, the Initial Study merely concludes that undefined long-term benefits of improved regulation of flows offsets any short-term impacts to the surface water conditions. (Initial Study at p. 62.)

The Association requests that DWR provide more information about expected changes to the baseline conditions of the Sutter Bypass and Lower Butte Creek system resulting from either Project construction or the long-term operation of the Project.

3. *Agricultural Impacts*

The Initial Study concludes that there will be no significant impact to agricultural resources or related diversions. (See Initial Study at p. 37 ["Project operations do not conflict with existing zoning for agricultural use, or involve changes that could result in conversion of farmland to non-agricultural use, therefore, there will be no impact.... Water diversions will be maintained throughout construction of the project.... Implementation of the project would ensure a reliable water supply needed to maintain agricultural productivity in the area.... Therefore, implementation of the project could be considered to have a beneficial impact upon agricultural resources.... There will be no changes to the existing environment that could result in converting farmland to non-agricultural use"].) However, the Initial Study and Proposed MND provide no analysis of how "water diversions will be maintained through construction of the [P]roject" or during long-term operation of the Project infrastructure. (Cf. Initial Study at pp. 37, 58.) Moreover, in discussing the elevation and flow objectives for the two weirs during construction, DWR has not provided any assurance that the elevation and flow goals will, or can, be met during Project construction and long-term operation of Project infrastructure. (See e.g., Appendix A at pp. 11, 22; Appendix B at pp. 11-13, 19.)

Without an adequate explanation of baseline conditions and proposed changes thereto, DWR cannot make a justifiable conclusion (ie, supported by substantial evidence) about potential impacts to agricultural resources or related diversions. (See e.g., Pub. Resources Code, §§ 21080(e) and 21082.2(c); 14 Cal. Code Regs., §§ 15064(f)(5) and 15384.) The Association requests that DWR provide additional information about short-term and long-term system-wide changes to support its conclusions about agricultural impacts.

4. *Mitigation Measures*

Contrary to the conclusions about agricultural resources above, the Mitigation and Monitoring Compliance Plan suggests that the Project will have short-term impacts to agricultural resources and hydrology that will be mitigated to a less than significant level. (Initial Study at p. 76 ["[p]otential impacts to agricultural resources [and] hydrology... will be short term and less than significant from implementation of the mitigation

measures specified throughout the checklist".) However, the Mitigation and Monitoring Compliance Plan and Initial Study checklist do not identify any mitigation measures to ensure that short-term and long-term alteration of flows will not affect agricultural diversions or hydrologic conditions in the Sutter Bypass/Butte Creek system. (See e.g., Appendix L.) In fact, the only mitigation measure set forth to address the "alteration of flow" calls for various DWR staff to ensure "normal flows will continue past construction areas to provide baseline conditions to aquatic resources downstream" for the "entire construction season." (Appendix L at p. 7.) To be enforceable, this mitigation measure needs to quantify what baseline conditions will be maintained and establish monitoring measures to ensure that said conditions are in fact being met during construction. (Pub. Resources Code, § 21081.6(b) [mitigation measures must be enforceable]; 14 Cal. Code Regs., § 15126.4(a)(2).)

The Association requests that DWR provide enforceable mitigation measures to ensure that any potential short-term or long-term significant impacts to agricultural resources or related diversion are avoided.

Thank you again for the opportunity to comment. The Association appreciates DWR's efforts to improve the infrastructure within the Sutter Bypass and Lower Butte Creek system.

Sincerely,

Jacqueline L. McDonald

JLM:yd

STATE OF CALIFORNIA – THE RESOURCES AGENCY ARNOLD SCHWARZENEGGER, *Governor*

DEPARTMENT OF WATER RESOURCES
DIVISION OF FLOOD MANAGEMENT
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September 24, 2008

Ms. Jacqueline L. McDonald
Somach Simmons and Dunn
1312 West Herndon Avenue
Fresno, California 93711

Dear Ms. McDonald:

Thank you for your comments on behalf of the Sutter Bypass/Butte Slough Water Users' Association (Association) pertaining to the Proposed Mitigated Negative Declaration and Initial Study for the Sutter Bypass East Borrow Canal Water Control Structures Project. We also appreciate your assistance in coordinating the meeting on September 11, 2008 with members of the Association including representatives from Montna Farms and Nordic Industries regarding the Association's comments. This letter addresses the two main issues the Association has raised pertaining to:

A) Provision for temporary access over Willow Slough Weir during construction, and

B) Alteration of the surface water flows in the Sutter Bypass/Lower Butte Creek system.

Additional details relating to the Association's concerns are discussed in the attached document, *Operations of Sutter Bypass East Borrow Canal Water Control Facilities: Weir No. 2 and Willow Slough Weir* (Operations Addendum). The Operations Addendum provides details as to how the Department of Water Resources (DWR) manages water surface elevations in the East Borrow Canal of the Sutter Bypass to accommodate diversion during irrigation season including temporary changes during the construction of the project. More specific responses to your comments are as follows:

Comment A: Temporary Access During Construction

Willow Slough Weir is an earthen dam with two 60-inch diameter corrugated metal pipe culverts and one 60-inch diameter reinforced concrete culvert with slide gates that control flow from the lower end of the East Borrow Canal into Willow Slough (see Figure 4 of the Operations Addendum). The structure was constructed between 1924 and 1925 under the direction of the former Reclamation Board to control water levels in the East Borrow Canal to accommodate agricultural diversions. A Denil fish ladder was constructed through the weir in the 1980s. The structure is owned, operated, and maintained by the DWR.

The existing earthen weir can accommodate a load carrying capacity equivalent to HS-20 standards as specified by the American Association of State Highway and Transportation Officials (AASHTO). The HS-20 specification identifies a load rating of 20-tons that is distributed on the truck that reflects 16-tons on the rear axle and 4-tons on the front axle. This load carrying capacity was determined based on the geotechnical investigation conducted in May 2004 and a review of the existing as-constructed plans for the fish ladder. The earthen weir is approximately 330 feet (ft) in length with a width that ranges from 30 ft to 35 ft.

As indicated in the Proposed Mitigated Negative Declaration and Initial Study, a temporary bridge will be constructed downstream of the weir over Willow Slough to provide temporary access over Willow Slough during construction. This temporary bridge will provide Montna Farms and Nordic Industries access to their parcels during construction. The installation of this temporary bridge will be one of the first phases of work. Existing access through Willow Slough Weir will not be restricted until this alternate route is in place.

Based on the discussion of the September 11, 2008 meeting, DWR now has a better understanding of the normal operational needs of both Montna Farms and Nordic Industries with regards to the use of Willow Slough Weir as an access to their parcels south of Willow Slough. Our Project Engineer will be scheduling a field visit with representatives of Montna Farms and Nordic Industries in order to finalize the alignment and width requirement for the temporary bridge access within the next two weeks. Once the alignment and width requirement for the temporary bridge access has been finalized, we will be updating our construction documents (plans and specifications) to reflect the landowner's needs.

The temporary bridge will accommodate an HS-20 truck loading under the AASHTO standards. Based on the discussions at the September 11, 2008, both representatives from Montna Farms and Nordic Industries agreed that the HS-20 standard was adequate for their normal operational needs. A temporary locking gate will be installed at the entrance of the bridge to prevent unauthorized access across Willow Slough. This temporary bridge will remain in place until all improvements at Willow Slough Weir have been completed and access across Willow Slough Weir has been reestablished.

Comment B: Alteration of Surface Water Flows within the System

1. *Baseline Conditions*
   As indicated in the attached Operations Addendum, in addition to the DWR's operation and maintenance for the Sutter Bypass East levee for flood control, DWR also maintains water surface elevations in the East Borrow Canal for

irrigation purposes during the non-flood season. When there is sufficient water in the East Borrow Canal, the water surface elevation in the East Borrow Canal is maintained within a desired operation range to facilitate agricultural diversions. DWR does not guarantee water supply but only attempts to maintain the water surface elevation within a range of 37.5 ft to 38.7 ft at Weir No. 2 and 27.5 ft to 29.5 ft at Willow Slough Weir.

Historical records (see Operation Addendum section titled Historical Water Surface Elevation in the East Borrow Canal) indicates DWR had been able to maintain the water surface elevation upstream of Weir No. 2 within the desired operation range of 37.5 ft to 38.7 ft 70 percent of the time during a critical dry year, 97 percent of the time during a normal above water year; and 80 percent of the time during a wet water year. Similarly, when water is available, the water surface elevation between Weir No. 2 and Nelson Slough Weir was within the desired operation range of 27.5 ft to 29.5 ft 68 percent of the time during a critical dry year; 65 percent of the time during a normal above water year; and 54 percent of the time during a wet water year.

Changes to System-Wide Flows
As indicated above, the weirs are operated to maintain the water surface elevation in the East Borrow Canal within desired operation range when there is sufficient water in the East Borrow Canal. During the non-flood season, flows through the East Borrow Canal are a result of various water inflows from Butte Slough; Wadsworth Canal; Pumping Plant No. 1, No. 2, and No. 3; and Gilsizer Slough. Water flows through the lower reach of the East Borrow Canal before it is diverted to the West Borrow Canal via Willow Slough and Nelson Slough. To facilitate agricultural diversions, water control structures in the East Borrow Canal control the flow so that the water surface elevation is maintained within a desired operation range.

During construction of the improvements at the Willow Slough Weir, flow through Willow Slough will be limited to 123 cubic feet per second, which is within the normal range of flows for Willow Slough. Excess flow will be diverted down Nelson Slough. The project will not alter DWR's ability to maintain the desired operation range of the water surface elevations in the East Borrow Canal that are maintained by Weir No. 2 or the Nelson Slough Weir. Refer to the Operations Addendum for details.

3. *Agricultural Impacts*
The ability to control water surface elevations in the various reaches of the East Borrow Canal was a major design requirement for the project. To our

knowledge, the former Reclamation Board had never issued any permits for diversions along either Willow Slough or Nelson Slough. During replacement of Weir No. 2 and improvements at Willow Slough Weir, the water surface elevations in East Borrow Canal will be maintained at the desired operation range if there is sufficient water supply available in the East Borrow Canal. Construction phasing as well as completion of the temporary Willow Slough fish ladder have been specified to provide needed water surface elevation control consistent with current operational procedures. Refer to the Operations Addendum for details.

If excess water is in the lower reach of the East Borrow Canal that Nelson Slough cannot adequately drain into the West Borrow Canal, DWR will coordinate with Reclamation District 70 and 1660 to temporarily divert the additional water through the West Borrow Canal at the East-West Diversion Weir.

If there is insufficient water supply in the East Borrow Canal, the temporary fish ladder on Willow Slough Weir will be shut off and all stop logs will be inserted at Nelson Slough to increase the water surface elevation in the lower reach of the East Borrow Canal. DWR will notify the Department of Fish and Game if the above action is necessary as part of normal operations of the two weirs. If necessary, DWR will coordinate with Reclamation District 70 and 1660 in an effort to increase the flows diverted into East Borrow Canal through the East-West Diversion Weir.

4. *Mitigation Measure*
As indicated above, DWR's ability to maintain the water surface elevation in the East Borrow Canal is dependent on the availability of water. When there is sufficient water in the East Borrow Canal, DWR maintains the water surface elevation in the East Borrow Canal at the desired operation range to accommodate irrigation diversions. If there is excess water in the lower reach of the East Borrow Canal, the flows are diverted into West Borrow Canal via Willow Slough to maintain the desired operation range. If necessary, operations of East-West Diversion Weir will be adjusted to maintain the water surface elevation in the lower reach of the East Borrow Canal. See attached Operations Addendum for details.

In summary, there will be limited or no impacts to agricultural resources caused by the project since it will not change the availability of water in the East Borrow Canal or alter the desired operation range of the water surface elevation in the lower reach of the East Borrow Canal necessary to accommodate irrigation diversions. If sufficient water is in the East Borrow Canal, DWR will maintain the water surface elevation in the East

Borrow Canal within the desired operation range. In addition, since there is no irrigation diversions along either Nelson Slough or Willow Slough there will be no impacts to the agricultural resources along these sloughs (irrigation pipeline or diversions permitted by the former Reclamation Board are all from the East Borrow Canal).

When completed, this project will replace the antiquated water control structures at Weir No. 2 and Willow Slough Weir as well as improve anadromous fish passage in the Butte Creek System. As indicated in the Proposed Mitigation Negative Declaration and Initial Study, this project will not have any long-term significant impacts to agricultural resources or related diversions.

If you have any questions or need additional information, you may contact me at (916) 574-1302 or Joseph Chang at (916) 651-0621.

Sincerely,

Keith E. Swanson

Keith E. Swanson, Chief
Flood Maintenance Office

Enclosures

cc: Harry Spanglet,
Department of Water Resources
Division of Planning and Local Assistance
Fish Passage Improvement Program

DEPARTMENT OF WATER REOURCES
DIVISION OF FLOOD MANAGEMENT
FLOOD MAINTENANCE OFFICE

OPERATION OF SUTTER BYPASS EAST BORROW CANAL WATER CONTROL FACILITIES: WEIR No. 2 AND WILLOW SLOUGH WEIR

OPERATIONS AND MAINTENANCE RESPONSIBILITES

The Federal Rivers and Harbors Act of 1896 and 1902 started the federal-state partnership in the construction, operation, and maintenance of flood protection facilities. In 1911, the State of California approved a master plan for flood control in the Central Valley and created the Reclamation Board, renamed the Central Valley Flood Protection Board (CVFPB) in 2008, to carry out the plan. In 1917, Congress authorized the Sacramento River Flood Control Project (SRFCP), and construction started in 1918. In 1927, the California State Legislature specified the portions of the SRFCP that are to be operated and maintained by the State of California.

The Sutter Bypass was constructed in the early 1920's as a key element of the Sacramento River Flood Control Project. Prior to construction of the Sutter Bypass, the Sutter Basin was a natural outflow area for flood flows from the Butte Basin (located northwest of the Sutter Buttes) and the Sacramento, Feather, Yuba, and Bear Rivers. The initially selected route for the Sutter Bypass was through the natural low marshlands in the western half of the basin, fairly close to the Sacramento River. However, these lowlands were already being reclaimed for farming by local reclamation districts (Reclamation District 1500 and 1660) with a system of levees and pumping plants. The reclamation effort not only eliminated this route but also created severe drainage and flooding problems for the land east of the reclaimed area. The present bypass route was the next preferred route, since the levees bordering the eastern limits of the reclamation districts could be used as the western levee for the bypass. By adding what is now the Sutter Bypass East Levee, the Sutter Bypass was formed. The western levees of the Sutter Bypass were constructed privately by several reclamation districts that currently maintain and operate them. Although the State has no maintenance responsibility for the western levees, they are a major component of the Sutter Bypass.

The east levee of the Sutter Bypass runs from Long Bridge near Highway 20 to the Feather River near Nelson Slough. The levee was constructed in 1924 under the direction of the Reclamation Board, but was enlarged to its present size in 1942 by the Corps because of record flood stages in the bypass and a levee break in Reclamation District (RD) 803 (at Nelson Slough) experienced that year. On December 15, 1951, the Reclamation Board on behalf of the State of California accepted the responsibility for the operation and maintenance of the east levee of the Sutter Bypass. In addition, the State also accepted responsibility for maintenance of the channel and many of the structures within the bypass.

As part of the State's operation and maintenance for the east levee, the State also maintains the East Borrow Canal (EBC) for irrigation purposes during the non-flooding season. However, the State does not maintain, operate, or control the water supply outside of the EBC at any time.

Water surface elevations within the EBC are maintained by three main water control structures: Weir No. 2, Willow Slough Weir, and Nelson Slough Weir. When there is sufficient water supply in the EBC, the water surface elevation or stage in the EBC is maintained to facilitate agricultural diversions. The State does not operate the water control structures on the West Borrow Canal (WBC). The following describes the State's operations regarding the EBC.

EAST BORROW CANAL OPERATIONS

When the Sutter Bypass is not flooded, the EBC functions as an irrigation water supply and drainage canal for the land east of the bypass as well as the land within the bypass. Flows entering into the Sutter Bypass are diverted at the East-West Diversion Weir into one of two borrow canals located on either side of the levees that bound the Sutter Bypass, the EBC and the WBC, respectively.

The East-West Diversion Weir is the first water control structure that regulates the water surface elevation (WSEL) or stage entering into the EBC but not the quantity of water that is present there. The Meridian Farms Water Company (MFWC) operates the East-West Diversion Weir during the non-flooding season (officially the flood season is designated from November 1 through April 15), principally for meeting irrigation demands along the WBC. The State provides no guarantee as to the availability of water to either borrow canal since it has no control over the amount of water entering the Sutter Bypass. Rather, the State's responsibilities are limited solely to managing the water that has already entered the EBC. Figure 1 identifies the major water control structures within the Sutter Bypass. Of the structures identified, DWR is responsible for the operations and maintenance of Pumping Plants No. 1, 2, and 3; Weir No. 2; Weir No. 4; Willow Slough Weir, and Nelson Slough Weir.

Weir No. 2 and Willow Slough Weir maintain stage within the EBC. Weir No. 2 controls water levels in the upper reach of the EBC (upstream of Weir No. 2 to the East-West Diversion Weir) and Willow Slough Weir controls the lower reach (from Weir No. 2 to Nelson Slough Weir). Except during flood periods and times when there is insufficient water supply (less than the desire operation ranges of the water control structures – see discussion below) in the EBC, the upper and lower reaches of the EBC are maintained at the desired water surface elevation (WSEL) of about 38 feet (ft) and 28 ft, respectively. The DWR's Sutter Maintenance Yard makes daily adjustments to the Weir No. 2 flashboards and the slide gates at Willow Slough Weir to maintain the water surface elevation when there is enough water to make those adjustments.

Butte Slough Outfall Gates

The Butte Slough Outfall Gate structure is the first control structure and the furthest upstream in the Sutter Bypass and is designed to discharge waters from Butte Creek and Cherokee Canal into the Sacramento River via Butte Slough. A maximum of 3,500 cubic feet per second (cfs) can be discharged through seven 66-inch diameter metal pipes with screw gates only when the water surface elevation in the Sacramento River is below 40 ft (all water surface elevations are in U.S. Engineering Datum). When the water surface elevation in the Sacramento River exceeds 43 to 44 ft, gravity flow is lost and excess flows are then diverted into the Sutter Bypass via Butte Slough south. This is the first key factor in knowing high flows (potential flooding) will be occurring in the Sutter Bypass within 24 hours. If the water surface elevation is

less than 41 feet on the Butte Slough side, Sutter Maintenance Yard will make sure all screw gates are closed preventing flows in Butte Slough from entering into the Sacramento River. The State, through the Sutter Maintenance Yard, maintains the water surface elevations with in a desired range only when there is a sufficient water supply.

East-West Diversion Weir

The East-West Diversion Weir is a small concrete flashboard structure that divides the Butte Slough flow between the East and West Borrow Canals. The actual flow splits are not recorded and vary during the year. The flow split between the EBC and the WBC is approximately 40% and 60 percent respectively (as estimated by the MFWC).

Weir No. 2

Weir No. 2 is a concrete structure consisting of twelve bays, each about six feet wide with flashboards that are used to maintain the upstream water surface elevation in the EBC. Weir No. 2 is a State-owned facility. Weir No. 2 is operated to maintain a desired pool elevation upstream of the weir at 37.5 ft to 38.7 ft. Water surface elevation adjustments at this structure can only be performed by adding or removing the flashboards. There is no monitoring device at this structure so the water surface elevation at Pumping Plant No. 3 is used to determine if adjustments are needed.

At the closed position with all stop logs in place, Weir No. 2 has a crest height of 37.5 ft. If the pool elevation upstream of Weir No. 2 is below this height (i.e. there is insufficient water supply in the EBC) Sutter Maintenance Yard will maintain the weir at the closed position to retain all of the water upstream of Weir No. 2. In addition, levee gates at the Pumping Plant No. 3 will be closed if the flow is exiting the EBC through Pumping Plant No. 3. However, if there is too much water in the upper reach of the EBC, Sutter Maintenance Yard will coordinate with MFWC to divert the excess water through the East-West Diversion Weir into the WBC.

When the possibility of flooding appears imminent, all flashboards at Weir No. 2 are removed, the Willow Slough gates are opened, and the Nelson Slough Weir stop logs are removed. When the flooding recedes within the EBC, Nelson Slough stop logs are placed to maintain water surface elevation in the EBC and Willow Slough Weir and Weir No. 2 are then used to control the water levels.

Willow Slough Weir

Willow Slough Weir is an earthen dam with two 60-inch diameter corrugated metal pipe (CMP) culverts and one 60-inch diameter reinforced concrete culvert with slide gates that is used to maintain the water surface elevation in the EBC between Weir No. 2 and Nelson Slough Weir. Willow Slough Weir is a State-owned facility. Willow Slough Weir is operated to maintain a desired pool elevation in the EBC just upstream of the weir at 27.5 ft to 29.5 ft. There is no stage-monitoring device at this structure, but the water surface elevation at Pumping Plant No. 1 is used to determine if adjustments are needed. Field observations conducted by staff from the Sutter Maintenance Yard indicate that the water surface elevation in the EBC at Willow Slough is usually 1 to 3 tenths of a foot lower than the water surface elevation in the EBC at Pumping Plant No. 1.

Assuming sufficient water supply to maintain the water surface elevation in the EBC, adjustments are made by releasing water into Willow Slough at this structure. Water is released through the weir by adjusting the headgates of the existing fish ladder and three culverts. The first and last adjustments are made at the fish ladder to maximize fish passage. With the fish ladder wide open, adjustments thereafter are at Culverts No. 1 and/or No. 2, then Culvert No. 3 if necessary. If there is too much water in the lower reach of the EBC, Sutter Maintenance Yard will coordinate with MFWC to divert the excess water through the East-West Diversion Weir into the WBC so that less water will be entering the lower reach of the EBC through Weir No. 2.

If the water surface elevation in the EBC rises above 29.5 ft and all of the headgates at Willow Slough Weir are open, the stop logs at Nelson Slough Weir are adjusted to maintain the water surface elevation in the EBC. As indicated in the operations of Weir No. 2, when the possibility of flooding appears imminent, the slide gates are opened and all of the stop logs are removed at Nelson Slough. During low water conditions, all headgates at Willow Slough Weir are closed to help maintain the water surface elevation in the EBC. In addition, levee gates at the Pumping Plant No. 2 and No. 1 will be closed if the flow is exiting the EBC through Pumping Plant No. 2 and No. 1. If the water surface elevation in the EBC drops below 27.5 ft, the fish ladder will be closed and California Department of Fish and Game (DFG) will be notified prior to closing.

Nelson Slough Weir

Nelson Slough flows parallel to Willow Slough and is located at the lower end of the EBC. It connects the EBC to the WBC. Nelson Slough Weir was constructed in 1973 to maintain the water surface elevation in the EBC and is a State-owned facility. Control gates (i.e., stop logs) were added to the Nelson Slough Weir in 1975 and the weir is now used to lower the water surface elevation in the EBC when Willow Slough exceeds its ability to drain the EBC. The weir structure consists of two bays with two stop logs located near the EBC side of the slough. This structure is designed to overtop at a water surface elevation of 29.7 ft.

Adjustments in the water surface elevation are made by lifting and lowering the stop logs in Nelson Slough. If flooding is imminent, the stop logs are removed and DFG is notified. There is no monitoring device at this structure but the water surface elevation at Pumping Plant No. 1 is used to determine if adjustments are needed.

HISTORICAL WATER SURFACE ELEVATION IN EBC

As indicated above, the State cannot guarantee the amount of water in the EBC or the in Sutter Bypass generally. The Sutter Maintenance Yard relies on water surface elevations (stages) measured at Pumping Plant No. 3 to operate Weir No. 2 and at Pumping Plant No. 1 to operate Willow Slough Weir and Nelson Slough Weir. Water surface elevation records from these pumping plants from 1989 through 1996 were examined to determine what stage elevations can be expected in the EBC during construction of the proposed improvements for Willow Slough Weir and Weir No. 2. This time period was selected because it provides the only available data that are applicable to Weir No. 2 and Willow Slough Weir are from the years 1989 through 1996. This period provides data from a variety of water year classification – critical dry years (1989 – 1992 and 1994), an above normal water year (1993), and wet water years (1995 – 1996). The water year type classification is derived from Sacramento Valley Water Year Index as specified in the 1995 State Water Resources Control Board Water Quality Control Plan (see Appendix I for details). While these data provide some historical guidance of potential water surface

elevations, actual water surface elevations may vary considerably depending solely on the water supply entering the EBC that the State cannot control.

Stage elevation records (see Appendix II) were sorted into two data sets: flood season (November 1 through April 15) and non-flood season. Stage elevations recorded during the non-flood season were analyzed to determine if proposed construction would affect DWR's ability to maintain water surface elevations in the EBC during the period when diversions are most likely to occur. Construction for the improvements at Weir No. 2 and Willow Slough Weir will occur from May 1 to October 15, which is entirely within the non-flood season. This data set was then grouped based on the water year classification (i.e., critical dry year, normal above water year, and wet water year).

Based on the stage elevation records for the entire period (1989 through 1996), the water surface elevation upstream of Weir No. 2 was maintained within the desired operation range 76 percent of the time. Twenty percent of the time there was insufficient water in the EBC to meet the desired operation range and 4 percent of the time the desired operation range was exceeded. The water surface elevation upstream of Willow Slough Weir was maintained within the desired operation range 67 percent of the time. Nineteen percent of the time there was insufficient water in the EBC to meet the desired operation range and 14 percent of the time the desired operation range was exceeded. Percentages were also determined for the three water year types (see Tables 1 and 2 below).

TABLE 1

Percentage of Time the WSEL in the EBC Upstream of Weir No. 2 was Within Desired Operation Range of 37.5 ft to 38.7 ft[1]

	Within Desired Operation Range	Exceeds Desired Operation Range[2]	Insufficient Water
Entire Period (1989-1996)[3]	76%	4%	20%
Based on Water Year Type			
Critical Dry Year (1990 – 1992 and 1994)	70%	0%	30%
Above Normal Water Year (1993)	97%	0%	3%
Wet Water Year (1995 – 1996)	80%	20%	0%
Individual Years			
1989[4]	--	--	--
1990	100%	0%	0%
1991	55%	0%	45%
1992	43%	0%	57%
1993	97%	0%	3%
1994	77%	0%	23%
1995	81%	19%	0%
1996	74%	26%	0%

Note:

(1) Stage elevation records from Pumping Plant No. 3 – percentages reflect records that correspond to non-flood season (April 16 – Oct 31).

(2) Indicates water surface elevation higher than the desired operation range and does not infer actual flooding in the Sutter Bypass or overtopping of the west bank of the EBC.

(3) The total numbers of sampling point (recorded stage elevation taken) are different for each year. Percentages shown are based on the relative sample points available.

(4) Data collected in 1989 comprise of water surface elevation during flood season. 1989 records were not used to determine relative percentages of time the water surface elevation was within desired operational range.

TABLE 2 Percentage of Time the WSEL in the EBC Upstream of Willow Slough Weir was Within Desired Operation Range of 27.5 ft to 29.5 ft[1]			
	Within Desired Operational Range	Exceeds Desire Operation Range[2]	Insufficient Water
Entire period (1989 – 1996)[3]	67%	14%	19%
Based on Water Year Type			
Critical Dry Year (1990 – 1992 and 1994)	68%	2%	30%
Above Normal Water Year (1993)	65%	9%	26%
Wet Water Year (1995 – 1996)	54%	45%	1%
Individual Years			
1989[4]	--	--	--
1990	86%	5%	9%
1991	78%	0%	22%
1992	35%	0%	65%
1993	65%	26%	9%
1994	83%	1%	16%
1995	55%	45%	0%
1996	55%	42%	3%

Note:

(1) Stage elevation records from Pumping Plant No. 1 – percentages reflect records that correspond to non-flood season (April 16 – Oct 31).

(2) Indicates water surface elevation higher than the desired operation range and does not infer actual flooding in the Sutter Bypass or overtopping of the west bank of the EBC.

(3) The total numbers of sampling point (recorded stage elevation taken) are different for each year. Percentages shown are based on the relative sample points available.

(4) Data collected in 1989 comprise of water surface elevation during flood season. 1989 records were not used to determine relative percentages of time the water surface elevation was within desired operational range.

The ability to meet the desired water surface elevation range in the EBC is dependent on the water available. This is demonstrated by the percentages shown in Tables 1 and 2. This water supply is depended on a variety of factors such as flows into the EBC (inflows from East-West Diversion Weir; Pumping Plant No. 1, No. 2, and No. 3; Wadsworth Canal; and Gilsizer Slough) that the State has no control over.

EBC OPERATIONS DURING CONSTRUCTION

During construction of the replacement facilities for Weir No. 2 and the Willow Slough Weir culverts, the water surface elevations in EBC will continue to be operated within the desired operation range if there is sufficient water in the EBC. If excess water is in the EBC, DWR will coordinate with MFWC to temporarily divert additional water through the WBC at the East-West Diversion Weir. By adjusting the flow split so that more of the flow is diverted into the WBC at the East-West Diversion Weir instead of through Willow Slough, possible flooding at Nelson Slough will be averted. Adjustment of the flow split at East-West Diversion Weir is part of existing operations to maintain the desired operation range in the EBC.

Control of Water Surface Elevations During Construction of Weir No. 2

During construction of the new weir, the water surface elevation upstream of the weir will be maintained by adding or removing flashboards on one side of the weir instead of the entire length of the weir as is currently done. Construction of the new weir will occur over two construction phases (see Figures 2 and 3).

Phase 1 – Construction

During Phase 1, seven bays on the east side of the weir will be dewatered while the remaining five bays on the west side and the existing Denil fish ladder will continue to operate as usual. The five bays will be used to maintain an upstream water surface elevation between 37.5 ft and 38.7 ft, if water is available.

As flows increase or decrease in the EBC, flashboards will be either removed or inserted within the five operational bays to maintain the water surface elevation upstream of the weir. If the water surface elevation in the EBC rises above 38.7 ft upstream of Weir No. 2 and all flashboards have been removed in the five bays, the Sutter Maintenance Yard will contact MFWC to adjust operations of the East-West Diversion Weir to divert additional water to the WBC. Adjustment of the flow split at East-West Diversion Weir is part of existing operations to maintain the desired operation range in the EBC.

If the water surface elevation upstream of Weir No. 2 falls below 37.5 ft with all flashboards inserted into the five bays, the Sutter Maintenance Yard will contact MFWC to determine if additional water can be diverted to the EBC from the East-West Diversion Weir. If the water surface elevation continues to decrease, the fish ladder will be closed. DFG will be notified prior to closing of the fish ladder. Historically, the fish ladder at Weir No. 2 has not needed to be closed to maintain the upstream water surface elevation in the EBC.

Phase 2 – Construction

During Phase 2, the new fish ladder and three new bays on the east side of the weir will be operational while the west side of the weir and fish ladder is dewatered. During Phase 2, the new fish ladder and three bays on the east side of the weir will be used to maintain the upstream water surface elevation between 37.5 ft and 38.7ft. The same operational ranges for high and low water during construction of Phase 1 will apply to this phase.

Control of Water Surface Elevations During Construction of Willow Slough Weir

Construction of replacement facilities at the Willow Slough Weir will occur during one season. During construction, the existing fish ladder and Culverts No. 1 and No. 2 will be dewatered and Culvert No. 3 will be used to maintain the water surface elevation in the EBC between 27.5 ft and 29.5 ft. Culvert No. 3 will also be used as a temporary fish passage route.

A temporary sheet pile weir will be placed within Willow Slough approximately 25 ft downstream of the outlet to Culvert No. 3 to help maintain the water surface elevation in the EBC. The range of flows expected to pass through Willow Slough Weir while maintaining the normal water surface elevation in the EBC of 27.5 ft to 29.5 ft are 15 cfs to 123 cfs, respectively. Figure 4 identifies the existing culvert configuration, existing fish ladder, sheet piles for dewatering, and the temporary fish ladder and weir.

During construction, the flow through Culvert No. 3 and the temporary fish ladder will only pass 25 percent of the maximum flow capable of passing through Culverts No. 1 and No. 2 and the existing fish ladder. The remaining flows, approximately 400 cfs to 500 cfs, will be diverted through Nelson Slough in order to maintain a water surface elevation of 27.5 ft to 29.5 ft in the EBC. In addition, flows can also be diverted to the WBC through the East-West Diversion Weir, if needed.

Control of Water Surface Elevations During Construction at Nelson Slough Weir

During construction at Willow Slough, the Nelson Slough Weir will be used to maintain the water surface elevation in the EBC between 27.5 ft and 29.5 ft. Excess flows will be diverted through Nelson Slough or potentially the WBC through the East-West Diversion Weir, if needed.

POTENTIAL CHANGES TO EBC OPERATIONS

Non-Flood Season Impacts

During construction, flow through Weir No. 2 will not be impacted, but water velocity will increase because there will be a reduction in the number of bays that will be available for flow through the weir. The overall ability of Weir No. 2 to maintain the water surface elevation in the upper reaches of the EBC will not be affected by the construction activities at Weir No. 2.

The ability of Willow Slough Weir to release excess water into the WBC to maintain the water surface elevation in the lower reaches of the EBC will be reduced. As configured currently, Willow Slough Weir could discharge a maximum of 500 cfs to 600 cfs using the two existing

culverts (Culvert No. 1 and No. 2) and the fish ladder. Presently, Culvert No. 3 is not operated because of problems with the slide gate. During construction, this maximum discharge will be limited to 123 cfs.

If there is sufficient water supply available in the EBC, flow through the Culvert No. 3 and the temporary fish ladder will be maintained such that at least 40 cfs will flow into Willow Slough. As indicated above, 15 cfs to 123 cfs is expected to pass through Willow Slough Weir while maintaining the desired operation ranges. The water surface elevation between Willow Slough Weir and Nelson Slough Weir will be maintained at the desired operation ranges by adjusting the stop log heights at Nelson Slough Weir.

To maintain the water surface elevation in the lower reaches of the EBC, the excess water will be diverted to Nelson Slough Weir where the water can be discharged into Nelson Slough before it joins the WBC. To minimize potential flooding in Nelson Slough, the Sutter Maintenance Yard will monitor Nelson Slough daily. If diverted water threatens to flood Nelson Slough (actual conveyance capacity of Nelson Slough is unknown), adjustments will be made at the East-West Diversion Weir and Weir No. 2 to limit the flows into the lower reach of EBC from Weir No. 2. Operational adjustments at the East-West Diversion Weir will be used to minimize potential flooding in Nelson Slough.

Flooding Season Impacts

The proposed improvements will not have a measurable impact on the Sutter Bypass' flood flow conveyance. Improvements at Willow Slough Weir will be constructed prior to the next flood season; therefore, it will not cause impacts to the Sutter Bypass flood flow conveyance.

At the completion of Phase 1 construction of Weir No. 2, the cofferdam sheet piles that isolate the construction of the eastern half of the weir will remain in place. The sheet piles will be removed during the next phase of construction. To avoid possible impacts during the flood season, water surface elevation in the EBC will be equalized on both sides of the cofferdam. This will minimize the possibility of the cofferdam's sheet piles being mobilized by floodwaters. In addition, hydraulic analysis on the potential impacts on the flood flow conveyance of the Sutter Bypass by Weir No. 2 in a closed position (all of the stop logs in place during flood flows) indicates that the weir does not alter the hydraulics of the Sutter Bypass.

Phase 2 construction of the weir will be completed prior to the next flood season; therefore, it will not present any impacts to the Sutter Bypass flood flow conveyance.

POST CONSTRUCTION EBC OPERATIONS

When the improvements at Weir No. 2 and Willow Slough Weir has been constructed, DWR will continue with the current operation the water control structures (as indicated in the East Borrow Canal Operations section above) to maintain the WSEL within the desired operation range if there is sufficient water supply in the EBC.

APPENDIX I - WATER YEAR CLASSIFICATION

Sacramento Valley Water Year Index

This index, originally specified in the 1995 State Water Resources Control Board Water Quality (SWRCB) Control Plan, is used to determine the Sacramento Valley water year type as implemented in SWRCB D-1641. Year types are set by first of month forecasts beginning in February. Final determination is based on the May 1 50% exceedence forecast. The index is defined as the following:

Sacramento Valley Water Year Index =

0.4 * Current Apr-Jul Runoff Forecast (in million acre feet) +
0.3 x Current October – March Runoff in (million acre feet) +
0.3 x Previous Water Year's Index[(1)]

Note: (1) if the Previous Water Year's Index exceeds 10.0, then 10.0 is used

Sacramento Valley Water Year Hydrologic Classification	
Year Type	**Water Year Index**
Wet	Equal to or greater than 9.2
Above Normal	Greater than 7.8, and less than 9.2
Below Normal	Greater than 6.5, and equal to or less than 7.8
Dry	Greater than 5.4, and equal to or less than 6.5
Critical	Equal to or less than 5.4

APPENDIX II - RECORDED STAGE ELEVATION
(1989 THROUGH 1996)

Date	Pumping Plant No. 3 (Weir No. 2) Recorded Stage Elevation				Pumping Plant No. 1 (Willow Slough Weir) Recorded Stage Elevation			
	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]
10/3/1989	--	--	--	--	25.50	Yes	--	--
10/5/1989	38.30	Yes	--	--	26.60	Yes	--	--
10/10/1989	38.20	Yes	--	--	28.75	Yes	--	--
10/11/1989	38.15	Yes	--	--	28.50	Yes	--	--
10/12/1989	38.10	Yes	--	--	28.40	Yes	--	--
10/13/1989	38.10	Yes	--	--	28.30	Yes	--	--
10/16/1989	38.20	Yes	--	--	28.30	Yes	--	--
10/17/1989	38.20	Yes	--	--	28.28	Yes	--	--
10/18/1989	38.20	Yes	--	--	28.30	Yes	--	--
10/19/1989	38.20	Yes	--	--	28.30	Yes	--	--
10/20/1989	38.20	Yes	--	--	28.20	Yes	--	--
10/23/1989	38.40	Yes	--	--	28.05	Yes	--	--
10/24/1989	38.30	Yes	--	--	28.05	Yes	--	--
10/25/1989	38.48	Yes	--	--	28.50	Yes	--	--
10/26/1989	38.10	Yes	--	--	28.50	Yes	--	--
10/27/1989	38.00	Yes	--	--	28.05	Yes	--	--
10/29/1989	--	--	--	--	26.10	Yes	--	--
10/30/1989	37.70	Yes	--	--	27.60	Yes	--	--
10/31/1989	37.80	Yes	--	--	28.00	Yes	--	--
11/1/1989	38.20	Yes	--	--	28.30	Yes	--	--
11/2/1989	38.20	Yes	--	--	28.70	Yes	--	--
11/3/1989	--	--	--	--	28.50	Yes	--	--
11/6/1989	--	--	--	--	28.90	Yes	--	--
11/7/1989	38.20	Yes	--	--	28.90	Yes	--	--
11/8/1989	38.20	Yes	--	--	28.72	Yes	--	--
11/9/1989	38.20	Yes	--	--	28.70	Yes	--	--
11/13/1989	38.20	Yes	--	--	28.80	Yes	--	--
11/14/1989	38.25	Yes	--	--	28.90	Yes	--	--
11/15/1989	38.25	Yes	--	--	29.00	Yes	--	--
11/16/1989	38.20	Yes	--	--	29.00	Yes	--	--
11/17/1989	38.20	Yes	--	--	29.00	Yes	--	--
11/20/1989	38.20	Yes	--	--	28.50	Yes	--	--
11/21/1989	38.25	Yes	--	--	28.60	Yes	--	--
11/22/1989	38.30	Yes	--	--	28.40	Yes	--	--
11/25/1989	38.30	Yes	--	--	28.10	Yes	--	--
11/26/1989	38.20	Yes	--	--	27.30	Yes	--	--
11/27/1989	38.00	Yes	--	--	27.00	Yes	--	--
11/28/1989	38.00	Yes	--	--	27.90	Yes	--	--
11/29/1989	37.90	Yes	--	--	28.30	Yes	--	--
11/30/1989	38.10	Yes	--	--	28.30	Yes	--	--
12/1/1989	38.10	Yes	--	--	28.00	Yes	--	--
12/4/1989	38.00	Yes	--	--	28.00	Yes	--	--
12/5/1989	38.20	Yes	--	--	28.20	Yes	--	--
12/6/1989	38.30	Yes	--	--	28.30	Yes	--	--
12/7/1989	38.20	Yes	--	--	28.10	Yes	--	--
12/8/1989	38.20	Yes	--	--	28.00	Yes	--	--
12/11/1989	38.30	Yes	--	--	28.20	Yes	--	--
12/12/1989	38.30	Yes	--	--	28.20	Yes	--	--
12/13/1989	38.20	Yes	--	--	28.10	Yes	--	--
12/14/1989	38.20	Yes	--	--	28.10	Yes	--	--
12/15/1989	38.15	Yes	--	--	27.80	Yes	--	--
12/18/1989	38.05	Yes	--	--	27.60	Yes	--	--
12/19/1989	38.25	Yes	--	--	28.20	Yes	--	--
12/20/1989	38.20	Yes	--	--	28.80	Yes	--	--
12/21/1989	38.25	Yes	--	--	28.70	Yes	--	--
12/22/1989	38.30	Yes	--	--	28.35	Yes	--	--
12/26/1989	38.40	Yes	--	--	28.25	Yes	--	--
12/27/1989	38.10	Yes	--	--	28.40	Yes	--	--
12/28/1989	38.30	Yes	--	--	28.40	Yes	--	--
12/29/1989	38.40	Yes	--	--	28.65	Yes	--	--

Date	Pumping Plant No. 3 (Weir No. 2) Recorded Stage Elevation				Pumping Plant No. 1 (Willow Slough Weir) Recorded Stage Elevation			
	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]
1/2/1990	38.35	Yes	--	--	29.05	Yes	--	--
1/3/1990	38.20	Yes	--	--	28.20	Yes	--	--
1/4/1990	38.20	Yes	--	--	28.68	Yes	--	--
1/5/1990	38.10	Yes	--	--	28.40	Yes	--	--
1/8/1990	38.30	Yes	--	--	28.00	Yes	--	--
1/9/1990	38.50	Yes	--	--	--	--	--	--
1/10/1990	38.55	Yes	--	--	--	--	--	--
1/11/1990	38.10	Yes	--	--	27.50	Yes	--	--
1/12/1990	37.80	Yes	--	--	26.50	Yes	--	--
1/14/1990	38.10	Yes	--	--	26.00	Yes	--	--
1/15/1990	--	--	--	--	28.60	Yes	--	--
1/16/1990	38.28	Yes	--	--	29.85	Yes	--	--
1/17/1990	38.10	Yes	--	--	30.50	Yes	--	--
1/18/1990	38.10	Yes	--	--	30.30	Yes	--	--
1/19/1990	38.20	Yes	--	--	30.00	Yes	--	--
1/22/1990	--	--	--	--	26.30	Yes	--	--
1/23/1990	37.70	Yes	--	--	25.25	Yes	--	--
1/24/1990	37.40	Yes	--	--	25.00	Yes	--	--
1/25/1990	37.70	Yes	--	--	25.00	Yes	--	--
1/26/1990	37.73	Yes	--	--	25.10	Yes	--	--
1/29/1990	37.60	Yes	--	--	24.70	Yes	--	--
1/30/1990	37.90	Yes	--	--	25.70	Yes	--	--
1/31/1990	38.00	Yes	--	--	27.00	Yes	--	--
2/1/1990	38.00	Yes	--	--	28.10	Yes	--	--
2/2/1990	38.10	Yes	--	--	28.50	Yes	--	--
2/5/1990	38.15	Yes	--	--	28.55	Yes	--	--
2/6/1990	38.20	Yes	--	--	28.70	Yes	--	--
2/7/1990	38.15	Yes	--	--	27.65	Yes	--	--
2/8/1990	38.20	Yes	--	--	27.90	Yes	--	--
2/9/1990	38.10	Yes	--	--	28.00	Yes	--	--
2/13/1990	37.90	Yes	--	--	27.00	Yes	--	--
2/14/1990	37.90	Yes	--	--	27.10	Yes	--	--
2/15/1990	38.00	Yes	--	--	27.00	Yes	--	--
2/16/1990	38.10	Yes	--	--	27.10	Yes	--	--
2/20/1990	38.10	Yes	--	--	--	--	--	--
2/21/1990	38.10	Yes	--	--	26.40	Yes	--	--
2/22/1990	38.00	Yes	--	--	26.30	Yes	--	--
2/23/1990	38.00	Yes	--	--	26.50	Yes	--	--
2/26/1990	37.90	Yes	--	--	26.35	Yes	--	--
2/27/1990	38.05	Yes	--	--	26.70	Yes	--	--
2/28/1990	38.00	Yes	--	--	27.10	Yes	--	--
3/1/1990	38.00	Yes	--	--	27.10	Yes	--	--
3/2/1990	38.00	Yes	--	--	27.00	Yes	--	--
3/5/1990	38.40	Yes	--	--	27.40	Yes	--	--
3/6/1990	38.20	Yes	--	--	27.65	Yes	--	--
3/7/1990	38.35	Yes	--	--	27.95	Yes	--	--
3/8/1990	38.20	Yes	--	--	28.85	Yes	--	--
3/9/1990	38.00	Yes	--	--	28.00	Yes	--	--
3/12/1990	38.30	Yes	--	--	26.90	Yes	--	--
3/13/1990	38.10	Yes	--	--	27.00	Yes	--	--
3/14/1990	38.00	Yes	--	--	27.60	Yes	--	--
3/15/1990	38.00	Yes	--	--	27.70	Yes	--	--
3/16/1990	38.00	Yes	--	--	27.60	Yes	--	--
3/19/1990	38.00	Yes	--	--	27.35	Yes	--	--
3/20/1990	38.00	Yes	--	--	27.40	Yes	--	--
3/21/1990	38.00	Yes	--	--	27.35	Yes	--	--
3/22/1990	37.90	Yes	--	--	27.00	Yes	--	--
3/23/1990	38.00	Yes	--	--	27.50	Yes	--	--
3/26/1990	37.90	Yes	--	--	27.30	Yes	--	--
3/27/1990	37.90	Yes	--	--	27.40	Yes	--	--
3/28/1990	37.90	Yes	--	--	27.40	Yes	--	--
3/29/1990	37.90	Yes	--	--	27.70	Yes	--	--
3/30/1990	37.80	Yes	--	--	28.20	Yes	--	--

Date	Pumping Plant No. 3 (Weir No. 2) Recorded Stage Elevation				Pumping Plant No. 1 (Willow Slough Weir) Recorded Stage Elevation			
	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]
4/2/1990	37.80	Yes	--	--	28.50	Yes	--	--
4/3/1990	38.00	Yes	--	--	28.50	Yes	--	--
4/4/1990	38.28	Yes	--	--	28.50	Yes	--	--
4/5/1990	38.30	Yes	--	--	28.60	Yes	--	--
4/6/1990	38.20	Yes	--	--	28.60	Yes	--	--
4/9/1990	38.35	Yes	--	--	28.80	Yes	--	--
4/10/1990	38.30	Yes	--	--	28.55	Yes	--	--
4/11/1990	38.25	Yes	--	--	28.50	Yes	--	--
4/12/1990	38.20	Yes	--	--	28.35	Yes	--	--
4/13/1990	38.38	Yes	--	--	28.25	Yes	--	--
4/16/1990	38.35	No	Critically Dry	Yes	28.87	No	Critically Dry	Yes
4/17/1990	38.28	No	Critically Dry	Yes	28.60	No	Critically Dry	Yes
4/18/1990	38.20	No	Critically Dry	Yes	28.60	No	Critically Dry	Yes
4/19/1990	38.20	No	Critically Dry	Yes	28.40	No	Critically Dry	Yes
4/20/1990	38.10	No	Critically Dry	Yes	28.30	No	Critically Dry	Yes
4/23/1990	38.05	No	Critically Dry	Yes	28.15	No	Critically Dry	Yes
4/24/1990	38.10	No	Critically Dry	Yes	28.30	No	Critically Dry	Yes
4/25/1990	38.15	No	Critically Dry	Yes	28.50	No	Critically Dry	Yes
4/26/1990	38.10	No	Critically Dry	Yes	28.50	No	Critically Dry	Yes
4/27/1990	38.10	No	Critically Dry	Yes	28.40	No	Critically Dry	Yes
4/30/1990	38.10	No	Critically Dry	Yes	28.60	No	Critically Dry	Yes
5/1/1990	38.10	No	Critically Dry	Yes	29.10	No	Critically Dry	Yes
5/2/1990	37.90	No	Critically Dry	Yes	29.30	No	Critically Dry	Yes
5/3/1990	37.70	No	Critically Dry	Yes	28.70	No	Critically Dry	Yes
5/4/1990	37.60	No	Critically Dry	Yes	28.60	No	Critically Dry	Yes
5/7/1990	37.90	No	Critically Dry	Yes	28.30	No	Critically Dry	Yes
5/8/1990	37.90	No	Critically Dry	Yes	28.35	No	Critically Dry	Yes
5/9/1990	37.70	No	Critically Dry	Yes	28.30	No	Critically Dry	Yes
5/10/1990	37.60	No	Critically Dry	Yes	28.02	No	Critically Dry	Yes
5/11/1990	37.60	No	Critically Dry	Yes	27.75	No	Critically Dry	Yes
5/14/1990	38.30	No	Critically Dry	Yes	28.55	No	Critically Dry	Yes
5/15/1990	38.20	No	Critically Dry	Yes	29.40	No	Critically Dry	Yes
5/16/1990	38.20	No	Critically Dry	Yes	29.40	No	Critically Dry	Yes
5/17/1990	38.25	No	Critically Dry	Yes	29.50	No	Critically Dry	Yes
5/18/1990	38.30	No	Critically Dry	Yes	29.40	No	Critically Dry	Yes
5/20/1990	38.40	No	Critically Dry	Yes	29.60	No	Critically Dry	Above Criteria
5/21/1990	--	--	--	--	28.80	No	Critically Dry	Yes
5/22/1990	38.40	No	Critically Dry	Yes	28.87	No	Critically Dry	Yes
5/23/1990	38.30	No	Critically Dry	Yes	29.10	No	Critically Dry	Yes
5/24/1990	38.30	No	Critically Dry	Yes	29.15	No	Critically Dry	Yes
5/25/1990	38.20	No	Critically Dry	Yes	28.90	No	Critically Dry	Yes
5/29/1990	38.30	No	Critically Dry	Yes	30.40	No	Critically Dry	Above Criteria
5/30/1990	38.25	No	Critically Dry	Yes	30.90	No	Critically Dry	Above Criteria
5/31/1990	38.25	No	Critically Dry	Yes	30.90	No	Critically Dry	Above Criteria
6/1/1990	38.20	No	Critically Dry	Yes	30.60	No	Critically Dry	Above Criteria
6/2/1990	--	--	--	--	30.50	No	Critically Dry	Above Criteria
6/3/1990	--	--	--	--	29.20	No	Critically Dry	Yes
6/4/1990	37.80	No	Critically Dry	Yes	27.00	No	Critically Dry	Below Criteria
6/5/1990	38.10	No	Critically Dry	Yes	29.00	No	Critically Dry	Yes
6/6/1990	38.10	No	Critically Dry	Yes	28.80	No	Critically Dry	Yes
6/7/1990	38.30	No	Critically Dry	Yes	29.10	No	Critically Dry	Yes
6/8/1990	38.30	No	Critically Dry	Yes	28.90	No	Critically Dry	Yes
6/11/1990	37.85	No	Critically Dry	Yes	28.45	No	Critically Dry	Yes
6/12/1990	38.10	No	Critically Dry	Yes	28.40	No	Critically Dry	Yes
6/13/1990	38.20	No	Critically Dry	Yes	28.40	No	Critically Dry	Yes
6/14/1990	38.10	No	Critically Dry	Yes	28.50	No	Critically Dry	Yes
6/15/1990	38.20	No	Critically Dry	Yes	28.60	No	Critically Dry	Yes
6/18/1990	38.30	No	Critically Dry	Yes	29.40	No	Critically Dry	Yes
6/19/1990	38.30	No	Critically Dry	Yes	29.00	No	Critically Dry	Yes
6/20/1990	38.20	No	Critically Dry	Yes	28.70	No	Critically Dry	Yes
6/21/1990	38.20	No	Critically Dry	Yes	28.50	No	Critically Dry	Yes
6/22/1990	38.20	No	Critically Dry	Yes	28.60	No	Critically Dry	Yes
6/25/1990	38.20	No	Critically Dry	Yes	28.90	No	Critically Dry	Yes

Date	Pumping Plant No. 3 (Weir No. 2) Recorded Stage Elevation				Pumping Plant No. 1 (Willow Slough Weir) Recorded Stage Elevation			
	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]
6/26/1990	38.20	No	Critically Dry	Yes	28.60	No	Critically Dry	Yes
6/27/1990	38.10	No	Critically Dry	Yes	28.27	No	Critically Dry	Yes
6/28/1990	38.20	No	Critically Dry	Yes	28.40	No	Critically Dry	Yes
6/29/1990	--	--	--	--	28.45	No	Critically Dry	Yes
7/2/1990	38.40	No	Critically Dry	Yes	28.85	No	Critically Dry	Yes
7/3/1990	38.20	No	Critically Dry	Yes	28.35	No	Critically Dry	Yes
7/5/1990	38.10	No	Critically Dry	Yes	28.35	No	Critically Dry	Yes
7/6/1990	38.10	No	Critically Dry	Yes	28.30	No	Critically Dry	Yes
7/9/1990	38.10	No	Critically Dry	Yes	29.10	No	Critically Dry	Yes
7/10/1990	38.20	No	Critically Dry	Yes	29.30	No	Critically Dry	Yes
7/11/1990	38.20	No	Critically Dry	Yes	29.20	No	Critically Dry	Yes
7/12/1990	38.20	No	Critically Dry	Yes	29.35	No	Critically Dry	Yes
7/13/1990	38.30	No	Critically Dry	Yes	29.20	No	Critically Dry	Yes
7/16/1990	38.30	No	Critically Dry	Yes	29.20	No	Critically Dry	Yes
7/17/1990	38.30	No	Critically Dry	Yes	28.80	No	Critically Dry	Yes
7/18/1990	38.30	No	Critically Dry	Yes	28.55	No	Critically Dry	Yes
7/19/1990	38.20	No	Critically Dry	Yes	28.70	No	Critically Dry	Yes
7/20/1990	--	--	--	--	28.80	No	Critically Dry	Yes
7/23/1990	38.20	No	Critically Dry	Yes	29.00	No	Critically Dry	Yes
7/24/1990	38.30	No	Critically Dry	Yes	29.10	No	Critically Dry	Yes
7/25/1990	38.30	No	Critically Dry	Yes	29.20	No	Critically Dry	Yes
7/26/1990	38.40	No	Critically Dry	Yes	29.20	No	Critically Dry	Yes
7/27/1990	38.40	No	Critically Dry	Yes	29.10	No	Critically Dry	Yes
7/30/1990	38.30	No	Critically Dry	Yes	28.90	No	Critically Dry	Yes
7/31/1990	38.20	No	Critically Dry	Yes	28.95	No	Critically Dry	Yes
8/1/1990	38.30	No	Critically Dry	Yes	28.88	No	Critically Dry	Yes
8/2/1990	38.28	No	Critically Dry	Yes	28.88	No	Critically Dry	Yes
8/6/1990	38.10	No	Critically Dry	Yes	28.50	No	Critically Dry	Yes
8/7/1990	38.20	No	Critically Dry	Yes	28.30	No	Critically Dry	Yes
8/9/1990	38.35	No	Critically Dry	Yes	29.25	No	Critically Dry	Yes
8/10/1990	38.30	No	Critically Dry	Yes	29.00	No	Critically Dry	Yes
8/13/1990	38.35	No	Critically Dry	Yes	28.80	No	Critically Dry	Yes
8/15/1990	38.35	No	Critically Dry	Yes	28.90	No	Critically Dry	Yes
8/16/1990	38.30	No	Critically Dry	Yes	28.55	No	Critically Dry	Yes
8/17/1990	38.30	No	Critically Dry	Yes	28.50	No	Critically Dry	Yes
8/20/1990	38.30	No	Critically Dry	Yes	28.35	No	Critically Dry	Yes
8/21/1990	38.30	No	Critically Dry	Yes	28.30	No	Critically Dry	Yes
8/22/1990	38.30	No	Critically Dry	Yes	28.40	No	Critically Dry	Yes
8/23/1990	38.20	No	Critically Dry	Yes	28.30	No	Critically Dry	Yes
8/24/1990	38.10	No	Critically Dry	Yes	28.15	No	Critically Dry	Yes
8/27/1990	38.30	No	Critically Dry	Yes	28.05	No	Critically Dry	Yes
8/28/1990	38.10	No	Critically Dry	Yes	28.20	No	Critically Dry	Yes
8/30/1990	38.20	No	Critically Dry	Yes	27.50	No	Critically Dry	Yes
8/31/1990	38.30	No	Critically Dry	Yes	28.00	No	Critically Dry	Yes
9/4/1990	--	--	--	--	28.00	No	Critically Dry	Yes
9/5/1990	--	--	--	--	27.70	No	Critically Dry	Yes
9/6/1990	--	--	--	--	28.30	No	Critically Dry	Yes
9/7/1990	38.30	No	Critically Dry	Yes	28.25	No	Critically Dry	Yes
9/11/1990	38.40	No	Critically Dry	Yes	27.65	No	Critically Dry	Yes
9/12/1990	38.10	No	Critically Dry	Yes	28.00	No	Critically Dry	Yes
9/13/1990	38.20	No	Critically Dry	Yes	27.90	No	Critically Dry	Yes
9/14/1990	38.30	No	Critically Dry	Yes	27.60	No	Critically Dry	Yes
9/17/1990	38.20	No	Critically Dry	Yes	27.66	No	Critically Dry	Yes
9/18/1990	38.20	No	Critically Dry	Yes	27.40	No	Critically Dry	Below Criteria
9/19/1990	38.00	No	Critically Dry	Yes	27.40	No	Critically Dry	Below Criteria
9/20/1990	38.00	No	Critically Dry	Yes	27.00	No	Critically Dry	Below Criteria
9/21/1990	38.00	No	Critically Dry	Yes	26.50	No	Critically Dry	Below Criteria
9/23/1990	--	--	--	--	26.60	No	Critically Dry	Below Criteria
9/24/1990	38.00	No	Critically Dry	Yes	26.60	No	Critically Dry	Below Criteria
9/25/1990	38.00	No	Critically Dry	Yes	26.60	No	Critically Dry	Below Criteria
9/27/1990	38.10	No	Critically Dry	Yes	26.75	No	Critically Dry	Below Criteria
9/28/1990	38.10	No	Critically Dry	Yes	27.15	No	Critically Dry	Below Criteria
10/1/1990	37.90	Yes	--	--	27.30	Yes	--	--

Date	Pumping Plant No. 3 (Weir No. 2) Recorded Stage Elevation				Pumping Plant No. 1 (Willow Slough Weir) Recorded Stage Elevation			
	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]
10/2/1990	37.90	Yes	--	--	27.25	Yes	--	--
10/3/1990	38.00	Yes	--	--	27.25	Yes	--	--
10/4/1990	38.10	Yes	--	--	27.70	Yes	--	--
10/5/1990	38.10	Yes	--	--	27.95	Yes	--	--
10/9/1990	38.00	Yes	--	--	27.90	Yes	--	--
10/10/1990	38.00	Yes	--	--	28.10	Yes	--	--
10/11/1990	38.00	Yes	--	--	28.50	Yes	--	--
10/12/1990	38.10	Yes	--	--	28.65	Yes	--	--
10/15/1990	38.20	Yes	--	--	28.60	Yes	--	--
10/16/1990	38.10	Yes	--	--	28.60	Yes	--	--
10/17/1990	38.00	Yes	--	--	28.60	Yes	--	--
10/19/1990	38.05	Yes	--	--	28.60	Yes	--	--
10/22/1990	37.90	Yes	--	--	28.40	Yes	--	--
10/23/1990	37.90	Yes	--	--	28.50	Yes	--	--
10/24/1990	37.90	Yes	--	--	28.10	Yes	--	--
10/25/1990	37.90	Yes	--	--	28.10	Yes	--	--
10/26/1990	38.00	Yes	--	--	28.20	Yes	--	--
10/29/1990	38.10	Yes	--	--	28.70	Yes	--	--
10/30/1990	38.10	Yes	--	--	28.60	Yes	--	--
10/31/1990	38.10	Yes	--	--	28.60	Yes	--	--
11/2/1990	38.30	Yes	--	--	28.75	Yes	--	--
11/5/1990	38.20	Yes	--	--	28.30	Yes	--	--
11/6/1990	38.20	Yes	--	--	28.30	Yes	--	--
11/7/1990	38.20	Yes	--	--	28.10	Yes	--	--
11/8/1990	38.10	Yes	--	--	28.05	Yes	--	--
11/9/1990	38.20	Yes	--	--	28.00	Yes	--	--
11/13/1990	38.10	Yes	--	--	27.45	Yes	--	--
11/14/1990	38.15	Yes	--	--	27.50	Yes	--	--
11/15/1990	38.20	Yes	--	--	27.75	Yes	--	--
11/16/1990	38.20	Yes	--	--	27.90	Yes	--	--
11/19/1990	38.20	Yes	--	--	27.80	Yes	--	--
11/20/1990	38.20	Yes	--	--	27.90	Yes	--	--
11/21/1990	38.20	Yes	--	--	27.80	Yes	--	--
11/26/1990	38.20	Yes	--	--	28.00	Yes	--	--
11/27/1990	38.20	Yes	--	--	27.90	Yes	--	--
11/30/1990	38.30	Yes	--	--	27.60	Yes	--	--
12/3/1990	38.10	Yes	--	--	27.50	Yes	--	--
12/4/1990	38.10	Yes	--	--	27.50	Yes	--	--
12/5/1990	38.00	Yes	--	--	27.35	Yes	--	--
12/6/1990	37.90	Yes	--	--	27.25	Yes	--	--
12/7/1990	38.00	Yes	--	--	27.40	Yes	--	--
12/10/1990	37.90	Yes	--	--	28.15	Yes	--	--
12/11/1990	38.00	Yes	--	--	28.40	Yes	--	--
12/12/1990	38.00	Yes	--	--	28.10	Yes	--	--
12/13/1990	38.10	Yes	--	--	28.00	Yes	--	--
12/14/1990	38.20	Yes	--	--	27.80	Yes	--	--
12/17/1990	38.20	Yes	--	--	27.80	Yes	--	--
12/18/1990	38.20	Yes	--	--	27.80	Yes	--	--
12/19/1990	38.20	Yes	--	--	27.70	Yes	--	--
12/20/1990	38.20	Yes	--	--	27.70	Yes	--	--
12/21/1990	38.20	Yes	--	--	27.60	Yes	--	--
12/26/1990	38.00	Yes	--	--	27.35	Yes	--	--
12/27/1990	38.00	Yes	--	--	27.50	Yes	--	--
12/28/1990	37.90	Yes	--	--	27.50	Yes	--	--
12/31/1990	37.90	Yes	--	--	27.40	Yes	--	--
1/2/1991	37.90	Yes	--	--	27.30	Yes	--	--
1/3/1991	37.90	Yes	--	--	27.40	Yes	--	--
1/4/1991	37.90	Yes	--	--	27.50	Yes	--	--
1/7/1991	38.00	Yes	--	--	28.10	Yes	--	--
1/8/1991	38.10	Yes	--	--	28.40	Yes	--	--
1/9/1991	38.10	Yes	--	--	28.10	Yes	--	--
1/10/1991	38.00	Yes	--	--	27.90	Yes	--	--
1/11/1991	38.10	Yes	--	--	27.90	Yes	--	--

Date	Pumping Plant No. 3 (Weir No. 2) Recorded Stage Elevation				Pumping Plant No. 1 (Willow Slough Weir) Recorded Stage Elevation			
	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]
1/14/1991	38.10	Yes	--	--	27.70	Yes	--	--
1/15/1991	38.00	Yes	--	--	27.70	Yes	--	--
1/16/1991	38.00	Yes	--	--	27.70	Yes	--	--
1/17/1991	38.00	Yes	--	--	27.60	Yes	--	--
1/18/1991	38.00	Yes	--	--	27.55	Yes	--	--
1/22/1991	37.90	Yes	--	--	27.45	Yes	--	--
1/23/1991	37.90	Yes	--	--	27.40	Yes	--	--
1/24/1991	37.90	Yes	--	--	27.35	Yes	--	--
1/24/1991	37.90	Yes	--	--	27.35	Yes	--	--
1/28/1991	38.00	Yes	--	--	28.20	Yes	--	--
1/29/1991	38.00	Yes	--	--	28.35	Yes	--	--
1/30/1991	38.10	Yes	--	--	28.50	Yes	--	--
1/31/1991	38.10	Yes	--	--	28.50	Yes	--	--
2/1/1991	38.10	Yes	--	--	28.50	Yes	--	--
2/3/1991	38.40	Yes	--	--	28.90	Yes	--	--
2/4/1991	38.40	Yes	--	--	28.60	Yes	--	--
2/5/1991	38.10	Yes	--	--	28.60	Yes	--	--
2/6/1991	38.20	Yes	--	--	28.90	Yes	--	--
2/7/1991	38.20	Yes	--	--	28.90	Yes	--	--
2/8/1991	38.20	Yes	--	--	28.50	Yes	--	--
2/11/1991	38.00	Yes	--	--	27.95	Yes	--	--
2/13/1991	38.20	Yes	--	--	27.90	Yes	--	--
2/14/1991	38.20	Yes	--	--	27.90	Yes	--	--
2/15/1991	38.20	Yes	--	--	27.80	Yes	--	--
2/19/1991	38.10	Yes	--	--	27.35	Yes	--	--
2/20/1991	38.20	Yes	--	--	27.55	Yes	--	--
2/21/1991	38.30	Yes	--	--	28.00	Yes	--	--
2/22/1991	38.20	Yes	--	--	27.87	Yes	--	--
2/25/1991	38.25	Yes	--	--	27.70	Yes	--	--
2/26/1991	38.20	Yes	--	--	27.65	Yes	--	--
2/27/1991	38.20	Yes	--	--	27.65	Yes	--	--
2/28/1991	38.40	Yes	--	--	27.90	Yes	--	--
3/1/1991	38.40	Yes	--	--	28.20	Yes	--	--
3/4/1991	38.70	Yes	--	--	29.40	Yes	--	--
3/5/1991	38.50	Yes	--	--	31.60	Yes	--	--
3/6/1991	39.10	Yes	--	--	30.50	Yes	--	--
3/7/1991	39.00	Yes	--	--	30.40	Yes	--	--
3/8/1991	38.40	Yes	--	--	29.70	Yes	--	--
3/11/1991	--	--	--	--	26.70	Yes	--	--
3/12/1991	37.50	Yes	--	--	26.90	Yes	--	--
3/13/1991	38.65	Yes	--	--	28.00	Yes	--	--
3/14/1991	37.90	Yes	--	--	28.50	Yes	--	--
3/15/1991	38.40	Yes	--	--	28.90	Yes	--	--
3/18/1991	38.25	Yes	--	--	29.40	Yes	--	--
3/19/1991	38.00	Yes	--	--	29.20	Yes	--	--
3/20/1991	38.90	Yes	--	--	30.20	Yes	--	--
3/21/1991	38.10	Yes	--	--	30.20	Yes	--	--
3/22/1991	38.20	Yes	--	--	29.80	Yes	--	--
3/24/1991	38.60	Yes	--	--	--	--	--	--
3/25/1991	39.20	Yes	--	--	31.10	Yes	--	--
3/26/1991	40.00	Yes	--	--	31.80	Yes	--	--
3/27/1991	40.70	Yes	--	--	32.35	Yes	--	--
3/28/1991	41.15	Yes	--	--	32.50	Yes	--	--
3/29/1991	41.45	Yes	--	--	32.60	Yes	--	--
4/1/1991	37.85	Yes	--	--	31.60	Yes	--	--
4/2/1991	37.60	Yes	--	--	30.60	Yes	--	--
4/3/1991	37.70	Yes	--	--	27.80	Yes	--	--
4/4/1991	37.50	Yes	--	--	27.35	Yes	--	--
4/5/1991	37.40	Yes	--	--	26.20	Yes	--	--
4/8/1991	38.20	Yes	--	--	27.10	Yes	--	--
4/9/1991	38.10	Yes	--	--	27.00	Yes	--	--
4/10/1991	38.00	Yes	--	--	26.70	Yes	--	--
4/11/1991	37.90	Yes	--	--	26.30	Yes	--	--

Date	Pumping Plant No. 3 (Weir No. 2) Recorded Stage Elevation				Pumping Plant No. 1 (Willow Slough Weir) Recorded Stage Elevation			
	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]
4/12/1991	37.90	Yes	--	--	26.10	Yes	--	--
4/15/1991	37.50	Yes	--	--	--	--	--	--
4/16/1991	37.70	No	Critically Dry	Yes	--	--	--	--
4/17/1991	37.80	No	Critically Dry	Yes	--	--	--	--
4/18/1991	37.90	No	Critically Dry	Yes	--	--	--	--
4/19/1991	37.90	No	Critically Dry	Yes	25.90	No	Critically Dry	Below Criteria
4/22/1991	37.90	No	Critically Dry	Yes	27.20	No	Critically Dry	Below Criteria
4/23/1991	37.80	No	Critically Dry	Yes	27.70	No	Critically Dry	Yes
4/24/1991	37.90	No	Critically Dry	Yes	27.70	No	Critically Dry	Yes
4/25/1991	37.60	No	Critically Dry	Yes	28.10	No	Critically Dry	Yes
4/26/1991	37.60	No	Critically Dry	Yes	28.60	No	Critically Dry	Yes
4/29/1991	37.90	No	Critically Dry	Yes	28.80	No	Critically Dry	Yes
4/30/1991	37.80	No	Critically Dry	Yes	28.70	No	Critically Dry	Yes
5/1/1991	37.70	No	Critically Dry	Yes	28.75	No	Critically Dry	Yes
5/2/1991	--	--	--	--	28.60	No	Critically Dry	Yes
5/3/1991	37.70	No	Critically Dry	Yes	28.70	No	Critically Dry	Yes
5/6/1991	38.20	No	Critically Dry	Yes	28.50	No	Critically Dry	Yes
5/7/1991	38.20	No	Critically Dry	Yes	28.30	No	Critically Dry	Yes
5/8/1991	38.20	No	Critically Dry	Yes	28.30	No	Critically Dry	Yes
5/9/1991	38.10	No	Critically Dry	Yes	28.20	No	Critically Dry	Yes
5/10/1991	38.20	No	Critically Dry	Yes	28.20	No	Critically Dry	Yes
5/13/1991	38.20	No	Critically Dry	Yes	27.80	No	Critically Dry	Yes
5/14/1991	38.40	No	Critically Dry	Yes	28.30	No	Critically Dry	Yes
5/15/1991	38.35	No	Critically Dry	Yes	29.00	No	Critically Dry	Yes
5/16/1991	38.25	No	Critically Dry	Yes	28.90	No	Critically Dry	Yes
5/17/1991	38.20	No	Critically Dry	Yes	28.80	No	Critically Dry	Yes
5/18/1991	--	--	--	--	28.50	No	Critically Dry	Yes
5/19/1991	--	--	--	--	28.80	No	Critically Dry	Yes
5/20/1991	38.20	No	Critically Dry	Yes	28.20	No	Critically Dry	Yes
5/21/1991	38.20	No	Critically Dry	Yes	28.60	No	Critically Dry	Yes
5/22/1991	38.10	No	Critically Dry	Yes	28.30	No	Critically Dry	Yes
5/23/1991	37.95	No	Critically Dry	Yes	28.50	No	Critically Dry	Yes
5/24/1991	37.80	No	Critically Dry	Yes	28.60	No	Critically Dry	Yes
5/26/1991	--	--	--	--	29.30	No	Critically Dry	Yes
5/27/1991	--	--	--	--	28.10	No	Critically Dry	Yes
5/28/1991	38.15	No	Critically Dry	Yes	28.70	No	Critically Dry	Yes
5/29/1991	38.05	No	Critically Dry	Yes	28.25	No	Critically Dry	Yes
5/30/1991	38.00	No	Critically Dry	Yes	28.75	No	Critically Dry	Yes
5/31/1991	38.30	No	Critically Dry	Yes	29.00	No	Critically Dry	Yes
6/3/1991	38.05	No	Critically Dry	Yes	28.50	No	Critically Dry	Yes
6/4/1991	37.90	No	Critically Dry	Yes	28.38	No	Critically Dry	Yes
6/5/1991	37.70	No	Critically Dry	Yes	28.50	No	Critically Dry	Yes
6/6/1991	37.60	No	Critically Dry	Yes	28.50	No	Critically Dry	Yes
6/7/1991	--	--	--	--	28.40	No	Critically Dry	Yes
6/10/1991	37.30	No	Critically Dry	Below Criteria	28.30	No	Critically Dry	Yes
6/11/1991	37.00	No	Critically Dry	Below Criteria	28.40	No	Critically Dry	Yes
6/12/1991	36.85	No	Critically Dry	Below Criteria	28.50	No	Critically Dry	Yes
6/13/1991	36.65	No	Critically Dry	Below Criteria	28.55	No	Critically Dry	Yes
6/14/1991	36.55	No	Critically Dry	Below Criteria	28.55	No	Critically Dry	Yes
6/17/1991	36.80	No	Critically Dry	Below Criteria	28.35	No	Critically Dry	Yes
6/18/1991	37.10	No	Critically Dry	Below Criteria	28.30	No	Critically Dry	Yes
6/19/1991	37.30	No	Critically Dry	Below Criteria	28.18	No	Critically Dry	Yes
6/20/1991	37.00	No	Critically Dry	Below Criteria	28.00	No	Critically Dry	Yes
6/21/1991	37.00	No	Critically Dry	Below Criteria	27.90	No	Critically Dry	Yes
6/24/1991	36.90	No	Critically Dry	Below Criteria	27.85	No	Critically Dry	Yes
6/25/1991	36.90	No	Critically Dry	Below Criteria	27.85	No	Critically Dry	Yes
6/26/1991	36.70	No	Critically Dry	Below Criteria	27.80	No	Critically Dry	Yes
6/27/1991	36.70	No	Critically Dry	Below Criteria	27.80	No	Critically Dry	Yes
6/28/1991	--	--	--	--	27.80	No	Critically Dry	Yes
7/1/1991	38.40	No	Critically Dry	Yes	28.90	No	Critically Dry	Yes
7/2/1991	38.20	No	Critically Dry	Yes	29.00	No	Critically Dry	Yes
7/3/1991	38.20	No	Critically Dry	Yes	28.50	No	Critically Dry	Yes
7/5/1991	38.10	No	Critically Dry	Yes	28.00	No	Critically Dry	Yes

Date	Pumping Plant No. 3 (Weir No. 2) Recorded Stage Elevation				Pumping Plant No. 1 (Willow Slough Weir) Recorded Stage Elevation			
	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]
7/8/1991	37.90	No	Critically Dry	Yes	27.30	No	Critically Dry	Below Criteria
7/9/1991	37.60	No	Critically Dry	Yes	27.10	No	Critically Dry	Below Criteria
7/10/1991	37.60	No	Critically Dry	Yes	27.00	No	Critically Dry	Below Criteria
7/11/1991	37.40	No	Critically Dry	Below Criteria	27.00	No	Critically Dry	Below Criteria
7/12/1991	37.20	No	Critically Dry	Below Criteria	26.90	No	Critically Dry	Below Criteria
7/15/1991	--	--	--	--	26.90	No	Critically Dry	Below Criteria
7/17/1991	36.80	No	Critically Dry	Below Criteria	26.70	No	Critically Dry	Below Criteria
7/18/1991	36.80	No	Critically Dry	Below Criteria	26.70	No	Critically Dry	Below Criteria
7/19/1991	36.80	No	Critically Dry	Below Criteria	26.60	No	Critically Dry	Below Criteria
7/22/1991	36.70	No	Critically Dry	Below Criteria	26.60	No	Critically Dry	Below Criteria
7/23/1991	36.60	No	Critically Dry	Below Criteria	26.60	No	Critically Dry	Below Criteria
7/24/1991	36.60	No	Critically Dry	Below Criteria	26.45	No	Critically Dry	Below Criteria
7/25/1991	36.60	No	Critically Dry	Below Criteria	26.40	No	Critically Dry	Below Criteria
7/26/1991	36.45	No	Critically Dry	Below Criteria	26.60	No	Critically Dry	Below Criteria
7/30/1991	36.40	No	Critically Dry	Below Criteria	26.80	No	Critically Dry	Below Criteria
7/31/1991	36.40	No	Critically Dry	Below Criteria	26.80	No	Critically Dry	Below Criteria
8/2/1991	36.60	No	Critically Dry	Below Criteria	26.80	No	Critically Dry	Below Criteria
8/5/1991	36.60	No	Critically Dry	Below Criteria	26.75	No	Critically Dry	Below Criteria
8/6/1991	36.60	No	Critically Dry	Below Criteria	26.75	No	Critically Dry	Below Criteria
8/7/1991	36.90	No	Critically Dry	Below Criteria	26.80	No	Critically Dry	Below Criteria
8/8/1991	37.00	No	Critically Dry	Below Criteria	26.80	No	Critically Dry	Below Criteria
8/9/1991	37.10	No	Critically Dry	Below Criteria	26.85	No	Critically Dry	Below Criteria
8/12/1991	36.90	No	Critically Dry	Below Criteria	27.40	No	Critically Dry	Below Criteria
8/13/1991	36.90	No	Critically Dry	Below Criteria	27.50	No	Critically Dry	Yes
8/14/1991	36.80	No	Critically Dry	Below Criteria	27.55	No	Critically Dry	Yes
8/15/1991	36.90	No	Critically Dry	Below Criteria	27.70	No	Critically Dry	Yes
8/16/1991	36.90	No	Critically Dry	Below Criteria	27.90	No	Critically Dry	Yes
8/19/1991	36.90	No	Critically Dry	Below Criteria	28.20	No	Critically Dry	Yes
8/20/1991	36.80	No	Critically Dry	Below Criteria	28.40	No	Critically Dry	Yes
8/21/1991	36.80	No	Critically Dry	Below Criteria	28.50	No	Critically Dry	Yes
8/22/1991	36.90	No	Critically Dry	Below Criteria	28.80	No	Critically Dry	Yes
8/23/1991	36.90	No	Critically Dry	Below Criteria	28.80	No	Critically Dry	Yes
8/26/1991	36.70	No	Critically Dry	Below Criteria	29.00	No	Critically Dry	Yes
8/27/1991	--	--	--	--	29.05	No	Critically Dry	Yes
8/28/1991	37.20	No	Critically Dry	Below Criteria	29.15	No	Critically Dry	Yes
8/29/1991	37.20	No	Critically Dry	Below Criteria	29.10	No	Critically Dry	Yes
8/30/1991	37.40	No	Critically Dry	Below Criteria	29.00	No	Critically Dry	Yes
9/3/1991	37.50	No	Critically Dry	Yes	28.90	No	Critically Dry	Yes
9/4/1991	37.50	No	Critically Dry	Yes	28.90	No	Critically Dry	Yes
9/5/1991	37.30	No	Critically Dry	Below Criteria	28.90	No	Critically Dry	Yes
9/6/1991	37.10	No	Critically Dry	Below Criteria	28.80	No	Critically Dry	Yes
9/9/1991	37.50	No	Critically Dry	Yes	28.75	No	Critically Dry	Yes
9/10/1991	37.50	No	Critically Dry	Yes	28.80	No	Critically Dry	Yes
9/11/1991	37.55	No	Critically Dry	Yes	28.90	No	Critically Dry	Yes
9/12/1991	--	--	--	--	28.80	No	Critically Dry	Yes
9/13/1991	37.90	No	Critically Dry	Yes	28.80	No	Critically Dry	Yes
9/16/1991	37.85	No	Critically Dry	Yes	28.80	No	Critically Dry	Yes
9/17/1991	38.00	No	Critically Dry	Yes	28.80	No	Critically Dry	Yes
9/18/1991	38.20	No	Critically Dry	Yes	28.70	No	Critically Dry	Yes
9/19/1991	38.30	No	Critically Dry	Yes	28.90	No	Critically Dry	Yes
9/20/1991	38.30	No	Critically Dry	Yes	28.90	No	Critically Dry	Yes
9/23/1991	38.00	No	Critically Dry	Yes	28.70	No	Critically Dry	Yes
9/24/1991	--	--	--	--	28.50	No	Critically Dry	Yes
9/25/1991	38.00	No	Critically Dry	Yes	28.60	No	Critically Dry	Yes
9/26/1991	38.00	No	Critically Dry	Yes	28.80	No	Critically Dry	Yes
9/27/1991	38.10	No	Critically Dry	Yes	28.90	No	Critically Dry	Yes
9/30/1991	38.00	No	Critically Dry	Yes	28.50	No	Critically Dry	Yes
10/2/1991	37.80	Yes	--	--	28.40	Yes	--	--
10/3/1991	37.80	Yes	--	--	28.30	Yes	--	--
10/7/1991	37.60	Yes	--	--	28.20	Yes	--	--
10/8/1991	37.50	Yes	--	--	28.18	Yes	--	--
10/9/1991	37.20	Yes	--	--	28.10	Yes	--	--
10/10/1991	37.20	Yes	--	--	28.00	Yes	--	--

Date	Pumping Plant No. 3 (Weir No. 2) Recorded Stage Elevation				Pumping Plant No. 1 (Willow Slough Weir) Recorded Stage Elevation			
	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]
10/11/1991	37.20	Yes	--	--	28.07	Yes	--	--
10/13/1991	37.50	Yes	--	--	--	--	--	--
10/15/1991	37.60	Yes	--	--	28.05	Yes	--	--
10/16/1991	37.70	Yes	--	--	28.00	Yes	--	--
10/17/1991	37.60	Yes	--	--	27.90	Yes	--	--
10/18/1991	--	--	--	--	27.85	Yes	--	--
10/21/1991	37.50	Yes	--	--	27.60	Yes	--	--
10/22/1991	37.50	Yes	--	--	27.50	Yes	--	--
10/23/1991	37.50	Yes	--	--	27.50	Yes	--	--
10/24/1991	37.50	Yes	--	--	27.30	Yes	--	--
10/25/1991	37.50	Yes	--	--	27.30	Yes	--	--
10/28/1991	37.55	Yes	--	--	27.10	Yes	--	--
10/29/1991	37.55	Yes	--	--	26.85	Yes	--	--
10/30/1991	37.50	Yes	--	--	26.75	Yes	--	--
11/1/1991	37.50	Yes	--	--	26.45	Yes	--	--
11/4/1991	37.40	Yes	--	--	26.40	Yes	--	--
11/5/1991	37.40	Yes	--	--	26.40	Yes	--	--
11/6/1991	37.60	Yes	--	--	26.50	Yes	--	--
11/7/1991	37.80	Yes	--	--	26.55	Yes	--	--
11/8/1991	37.80	Yes	--	--	26.60	Yes	--	--
11/13/1991	38.10	Yes	--	--	26.90	Yes	--	--
11/14/1991	38.10	Yes	--	--	27.00	Yes	--	--
11/15/1991	38.05	Yes	--	--	27.00	Yes	--	--
11/18/1991	38.15	Yes	--	--	27.20	Yes	--	--
11/19/1991	38.20	Yes	--	--	27.30	Yes	--	--
11/20/1991	38.20	Yes	--	--	27.38	Yes	--	--
11/21/1991	38.40	Yes	--	--	27.50	Yes	--	--
11/23/1991	38.40	Yes	--	--	27.60	Yes	--	--
11/25/1991	38.40	Yes	--	--	28.30	Yes	--	--
11/26/1991	38.30	Yes	--	--	28.20	Yes	--	--
11/27/1991	38.00	Yes	--	--	28.20	Yes	--	--
12/3/1991	--	--	--	--	27.75	Yes	--	--
12/4/1991	37.70	Yes	--	--	27.80	Yes	--	--
12/5/1991	37.90	Yes	--	--	27.90	Yes	--	--
12/6/1991	37.90	Yes	--	--	28.00	Yes	--	--
12/9/1991	38.20	Yes	--	--	28.90	Yes	--	--
12/10/1991	38.30	Yes	--	--	28.80	Yes	--	--
12/11/1991	38.40	Yes	--	--	28.70	Yes	--	--
12/12/1991	38.40	Yes	--	--	28.70	Yes	--	--
12/13/1991	38.25	Yes	--	--	28.80	Yes	--	--
12/15/1991	38.20	Yes	--	--	28.75	Yes	--	--
12/17/1991	38.20	Yes	--	--	28.80	Yes	--	--
12/18/1991	38.00	Yes	--	--	28.80	Yes	--	--
12/19/1991	38.00	Yes	--	--	28.80	Yes	--	--
12/20/1991	38.10	Yes	--	--	28.30	Yes	--	--
12/23/1991	37.70	Yes	--	--	27.90	Yes	--	--
12/24/1991	37.80	Yes	--	--	28.00	Yes	--	--
12/26/1991	37.70	Yes	--	--	28.40	Yes	--	--
12/27/1991	37.70	Yes	--	--	28.30	Yes	--	--
12/28/1991	--	--	--	--	28.60	Yes	--	--
12/30/1991	37.60	Yes	--	--	28.00	Yes	--	--
12/31/1991	37.70	Yes	--	--	27.70	Yes	--	--
1/2/1992	37.50	Yes	--	--	27.80	Yes	--	--
1/3/1992	37.60	Yes	--	--	28.00	Yes	--	--
1/6/1992	37.80	Yes	--	--	28.90	Yes	--	--
1/7/1992	38.00	Yes	--	--	27.80	Yes	--	--
1/8/1992	37.80	Yes	--	--	28.20	Yes	--	--
1/9/1992	37.80	Yes	--	--	28.10	Yes	--	--
1/13/1992	37.50	Yes	--	--	27.80	Yes	--	--
1/14/1992	37.60	Yes	--	--	28.70	Yes	--	--
1/15/1992	37.80	Yes	--	--	28.80	Yes	--	--
1/16/1992	37.80	Yes	--	--	28.60	Yes	--	--
1/17/1992	37.90	Yes	--	--	28.30	Yes	--	--

Date	Pumping Plant No. 3 (Weir No. 2) Recorded Stage Elevation				Pumping Plant No. 1 (Willow Slough Weir) Recorded Stage Elevation			
	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]
1/21/1992	37.40	Yes	--	--	28.00	Yes	--	--
1/23/1992	37.50	Yes	--	--	28.10	Yes	--	--
1/24/1992	37.50	Yes	--	--	28.00	Yes	--	--
1/27/1992	37.60	Yes	--	--	27.80	Yes	--	--
1/28/1992	37.60	Yes	--	--	27.80	Yes	--	--
1/29/1992	37.40	Yes	--	--	27.70	Yes	--	--
1/30/1992	37.60	Yes	--	--	27.60	Yes	--	--
1/31/1992	37.60	Yes	--	--	28.00	Yes	--	--
2/3/1992	37.60	Yes	--	--	28.00	Yes	--	--
2/4/1992	37.60	Yes	--	--	28.00	Yes	--	--
2/5/1992	37.60	Yes	--	--	28.00	Yes	--	--
2/6/1992	37.60	Yes	--	--	28.00	Yes	--	--
2/7/1992	37.60	Yes	--	--	28.00	Yes	--	--
2/10/1992	37.60	Yes	--	--	27.90	Yes	--	--
2/11/1992	37.80	Yes	--	--	27.50	Yes	--	--
2/12/1992	37.60	Yes	--	--	28.60	Yes	--	--
2/13/1992	37.50	Yes	--	--	31.00	Yes	--	--
2/14/1992	38.10	Yes	--	--	32.90	Yes	--	--
2/18/1992	42.60	Yes	--	--	33.00	Yes	--	--
2/19/1992	41.70	Yes	--	--	32.80	Yes	--	--
2/20/1992	41.70	Yes	--	--	--	--	--	--
2/21/1992	41.50	Yes	--	--	32.90	Yes	--	--
2/24/1992	41.80	Yes	--	--	33.20	Yes	--	--
2/25/1992	41.30	Yes	--	--	32.80	Yes	--	--
2/26/1992	40.20	Yes	--	--	32.70	Yes	--	--
2/27/1992	38.20	Yes	--	--	32.20	Yes	--	--
2/28/1992	37.60	Yes	--	--	31.70	Yes	--	--
3/2/1992	37.50	Yes	--	--	29.50	Yes	--	--
3/3/1992	--	--	--	--	28.50	Yes	--	--
3/4/1992	37.70	Yes	--	--	29.30	Yes	--	--
3/5/1992	37.80	Yes	--	--	29.70	Yes	--	--
3/6/1992	--	--	--	--	30.80	Yes	--	--
3/7/1992	--	--	--	--	31.30	Yes	--	--
3/10/1992	37.70	Yes	--	--	30.80	Yes	--	--
3/11/1992	37.80	Yes	--	--	30.50	Yes	--	--
3/12/1992	37.60	Yes	--	--	29.90	Yes	--	--
3/13/1992	37.70	Yes	--	--	28.70	Yes	--	--
3/16/1992	38.20	Yes	--	--	28.50	Yes	--	--
3/17/1992	38.20	Yes	--	--	29.90	Yes	--	--
3/18/1992	37.80	Yes	--	--	31.40	Yes	--	--
3/19/1992	--	--	--	--	32.60	Yes	--	--
3/20/1992	--	--	--	--	32.20	Yes	--	--
3/21/1992	--	--	--	--	31.40	Yes	--	--
3/23/1992	37.40	Yes	--	--	31.00	Yes	--	--
3/24/1992	37.30	Yes	--	--	30.40	Yes	--	--
3/25/1992	--	--	--	--	29.65	Yes	--	--
3/26/1992	--	--	--	--	28.60	Yes	--	--
3/30/1992	37.10	Yes	--	--	25.60	Yes	--	--
3/31/1992	--	--	--	--	27.10	Yes	--	--
4/1/1992	37.60	Yes	--	--	27.60	Yes	--	--
4/2/1992	37.55	Yes	--	--	27.85	Yes	--	--
4/3/1992	37.75	Yes	--	--	27.80	Yes	--	--
4/6/1992	37.80	Yes	--	--	27.95	Yes	--	--
4/7/1992	38.10	Yes	--	--	28.40	Yes	--	--
4/8/1992	38.10	Yes	--	--	28.95	Yes	--	--
4/9/1992	--	--	--	--	29.00	Yes	--	--
4/10/1992	38.20	Yes	--	--	28.50	Yes	--	--
4/13/1992	38.30	Yes	--	--	27.70	Yes	--	--
4/14/1992	38.30	Yes	--	--	28.00	Yes	--	--
4/15/1992	38.40	Yes	--	--	28.20	Yes	--	--
4/16/1992	38.40	No	Critically Dry	Yes	28.50	No	Critically Dry	Yes
4/17/1992	38.30	No	Critically Dry	Yes	28.40	No	Critically Dry	Yes
4/20/1992	38.30	No	Critically Dry	Yes	28.20	No	Critically Dry	Yes

Date	Pumping Plant No. 3 (Weir No. 2) Recorded Stage Elevation				Pumping Plant No. 1 (Willow Slough Weir) Recorded Stage Elevation			
	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]
4/21/1992	38.20	No	Critically Dry	Yes	28.05	No	Critically Dry	Yes
4/22/1992	38.40	No	Critically Dry	Yes	27.90	No	Critically Dry	Yes
4/23/1992	38.30	No	Critically Dry	Yes	28.20	No	Critically Dry	Yes
4/24/1992	38.30	No	Critically Dry	Yes	28.40	No	Critically Dry	Yes
4/27/1992	38.20	No	Critically Dry	Yes	28.90	No	Critically Dry	Yes
4/28/1992	38.30	No	Critically Dry	Yes	29.00	No	Critically Dry	Yes
4/29/1992	38.40	No	Critically Dry	Yes	29.00	No	Critically Dry	Yes
4/30/1992	38.40	No	Critically Dry	Yes	29.25	No	Critically Dry	Yes
5/1/1992	38.20	No	Critically Dry	Yes	29.30	No	Critically Dry	Yes
5/4/1992	37.90	No	Critically Dry	Yes	29.20	No	Critically Dry	Yes
5/5/1992	37.70	No	Critically Dry	Yes	29.00	No	Critically Dry	Yes
5/7/1992	--	--	--	--	28.40	No	Critically Dry	Yes
5/8/1992	37.00	No	Critically Dry	Below Criteria	28.10	No	Critically Dry	Yes
5/11/1992	37.30	No	Critically Dry	Below Criteria	27.10	No	Critically Dry	Below Criteria
5/12/1992	37.10	No	Critically Dry	Below Criteria	26.80	No	Critically Dry	Below Criteria
5/13/1992	--	--	--	--	26.30	No	Critically Dry	Below Criteria
5/14/1992	--	--	--	--	26.00	No	Critically Dry	Below Criteria
5/15/1992	--	--	--	--	25.90	No	Critically Dry	Below Criteria
5/18/1992	36.70	No	Critically Dry	Below Criteria	25.70	No	Critically Dry	Below Criteria
5/19/1992	--	--	--	--	25.90	No	Critically Dry	Below Criteria
5/20/1992	36.00	No	Critically Dry	Below Criteria	25.80	No	Critically Dry	Below Criteria
5/22/1992	--	--	--	--	25.60	No	Critically Dry	Below Criteria
5/26/1992	35.90	No	Critically Dry	Below Criteria	25.50	No	Critically Dry	Below Criteria
5/27/1992	--	--	--	--	25.50	No	Critically Dry	Below Criteria
5/28/1992	--	--	--	--	25.40	No	Critically Dry	Below Criteria
5/29/1992	36.30	No	Critically Dry	Below Criteria	25.50	No	Critically Dry	Below Criteria
6/1/1992	37.10	No	Critically Dry	Below Criteria	25.30	No	Critically Dry	Below Criteria
6/2/1992	36.90	No	Critically Dry	Below Criteria	25.30	No	Critically Dry	Below Criteria
6/3/1992	--	--	--	--	25.30	No	Critically Dry	Below Criteria
6/4/1992	--	--	--	--	25.40	No	Critically Dry	Below Criteria
6/5/1992	36.50	No	Critically Dry	Below Criteria	25.40	No	Critically Dry	Below Criteria
6/8/1992	36.60	No	Critically Dry	Below Criteria	25.40	No	Critically Dry	Below Criteria
6/9/1992	36.75	No	Critically Dry	Below Criteria	25.30	No	Critically Dry	Below Criteria
6/10/1992	36.70	No	Critically Dry	Below Criteria	25.30	No	Critically Dry	Below Criteria
6/22/1992	--	--	--	--	25.10	No	Critically Dry	Below Criteria
6/24/1992	36.75	No	Critically Dry	Below Criteria	25.40	No	Critically Dry	Below Criteria
6/25/1992	--	--	--	--	25.40	No	Critically Dry	Below Criteria
6/26/1992	36.40	No	Critically Dry	Below Criteria	25.20	No	Critically Dry	Below Criteria
6/29/1992	--	--	--	--	25.10	No	Critically Dry	Below Criteria
6/30/1992	36.00	No	Critically Dry	Below Criteria	25.10	No	Critically Dry	Below Criteria
7/1/1992	36.50	No	Critically Dry	Below Criteria	25.20	No	Critically Dry	Below Criteria
7/2/1992	36.60	No	Critically Dry	Below Criteria	25.20	No	Critically Dry	Below Criteria
7/6/1992	--	--	--	--	25.10	No	Critically Dry	Below Criteria
7/7/1992	36.20	No	Critically Dry	Below Criteria	25.10	No	Critically Dry	Below Criteria
7/8/1992	--	--	--	--	25.10	No	Critically Dry	Below Criteria
7/9/1992	--	--	--	--	25.10	No	Critically Dry	Below Criteria
7/13/1992	36.10	No	Critically Dry	Below Criteria	--	--	--	--
7/14/1992	--	--	--	--	25.00	No	Critically Dry	Below Criteria
7/15/1992	36.10	No	Critically Dry	Below Criteria	25.00	No	Critically Dry	Below Criteria
7/16/1992	36.00	No	Critically Dry	Below Criteria	24.80	No	Critically Dry	Below Criteria
7/17/1992	36.00	No	Critically Dry	Below Criteria	24.80	No	Critically Dry	Below Criteria
7/20/1992	35.70	No	Critically Dry	Below Criteria	24.50	No	Critically Dry	Below Criteria
7/21/1992	--	--	--	--	24.50	No	Critically Dry	Below Criteria
7/22/1992	35.80	No	Critically Dry	Below Criteria	24.50	No	Critically Dry	Below Criteria
7/24/1992	--	--	--	--	24.50	No	Critically Dry	Below Criteria
7/27/1992	36.00	No	Critically Dry	Below Criteria	24.50	No	Critically Dry	Below Criteria
7/29/1992	36.20	No	Critically Dry	Below Criteria	24.45	No	Critically Dry	Below Criteria
7/30/1992	--	--	--	--	24.45	No	Critically Dry	Below Criteria
8/3/1992	36.70	No	Critically Dry	Below Criteria	24.20	No	Critically Dry	Below Criteria
8/4/1992	37.00	No	Critically Dry	Below Criteria	24.20	No	Critically Dry	Below Criteria
8/5/1992	36.90	No	Critically Dry	Below Criteria	24.20	No	Critically Dry	Below Criteria
8/6/1992	37.00	No	Critically Dry	Below Criteria	24.20	No	Critically Dry	Below Criteria
8/7/1992	37.10	No	Critically Dry	Below Criteria	24.20	No	Critically Dry	Below Criteria

Date	Pumping Plant No. 3 (Weir No. 2) Recorded Stage Elevation				Pumping Plant No. 1 (Willow Slough Weir) Recorded Stage Elevation			
	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]
8/10/1992	36.90	No	Critically Dry	Below Criteria	24.10	No	Critically Dry	Below Criteria
8/11/1992	36.90	No	Critically Dry	Below Criteria	24.10	No	Critically Dry	Below Criteria
8/12/1992	--	--	--	--	24.70	No	Critically Dry	Below Criteria
8/13/1992	36.50	No	Critically Dry	Below Criteria	25.30	No	Critically Dry	Below Criteria
8/14/1992	36.50	No	Critically Dry	Below Criteria	25.30	No	Critically Dry	Below Criteria
8/17/1992	36.25	No	Critically Dry	Below Criteria	26.10	No	Critically Dry	Below Criteria
8/18/1992	36.40	No	Critically Dry	Below Criteria	26.20	No	Critically Dry	Below Criteria
8/19/1992	--	--	--	--	26.35	No	Critically Dry	Below Criteria
8/20/1992	--	--	--	--	26.45	No	Critically Dry	Below Criteria
8/24/1992	36.20	No	Critically Dry	Below Criteria	26.40	No	Critically Dry	Below Criteria
8/25/1992	36.20	No	Critically Dry	Below Criteria	26.70	No	Critically Dry	Below Criteria
8/26/1992	37.90	No	Critically Dry	Yes	26.90	No	Critically Dry	Below Criteria
8/27/1992	--	--	--	--	27.40	No	Critically Dry	Below Criteria
8/28/1992	--	--	--	--	27.80	No	Critically Dry	Yes
8/31/1992	--	--	--	--	29.00	No	Critically Dry	Yes
9/1/1992	38.10	No	Critically Dry	Yes	29.30	No	Critically Dry	Yes
9/2/1992	38.30	No	Critically Dry	Yes	28.60	No	Critically Dry	Yes
9/3/1992	38.30	No	Critically Dry	Yes	27.40	No	Critically Dry	Below Criteria
9/4/1992	38.30	No	Critically Dry	Yes	27.50	No	Critically Dry	Yes
9/8/1992	38.40	No	Critically Dry	Yes	27.90	No	Critically Dry	Yes
9/9/1992	38.50	No	Critically Dry	Yes	28.40	No	Critically Dry	Yes
9/10/1992	--	--	--	--	28.70	No	Critically Dry	Yes
9/11/1992	37.90	No	Critically Dry	Yes	28.30	No	Critically Dry	Yes
9/14/1992	37.80	No	Critically Dry	Yes	26.90	No	Critically Dry	Below Criteria
9/15/1992	38.00	No	Critically Dry	Yes	27.40	No	Critically Dry	Below Criteria
9/17/1992	--	--	--	--	27.90	No	Critically Dry	Yes
9/18/1992	--	--	--	--	28.00	No	Critically Dry	Yes
9/21/1992	38.00	No	Critically Dry	Yes	27.70	No	Critically Dry	Yes
9/22/1992	37.80	No	Critically Dry	Yes	28.20	No	Critically Dry	Yes
9/23/1992	37.80	No	Critically Dry	Yes	28.50	No	Critically Dry	Yes
9/24/1992	38.00	No	Critically Dry	Yes	28.50	No	Critically Dry	Yes
9/25/1992	38.20	No	Critically Dry	Yes	29.00	No	Critically Dry	Yes
9/28/1992	38.00	No	Critically Dry	Yes	29.40	No	Critically Dry	Yes
9/29/1992	--	--	--	--	29.40	No	Critically Dry	Yes
9/30/1992	--	--	--	--	28.90	No	Critically Dry	Yes
10/1/1992	--	--	--	--	28.10	Yes	--	--
10/2/1992	37.70	Yes	--	--	27.30	Yes	--	--
10/3/1992	--	--	--	--	26.10	Yes	--	--
10/5/1992	37.80	Yes	--	--	26.80	Yes	--	--
10/6/1992	37.90	Yes	--	--	26.85	Yes	--	--
10/7/1992	38.00	Yes	--	--	26.90	Yes	--	--
10/9/1992	--	--	--	--	27.00	Yes	--	--
10/11/1992	38.70	Yes	--	--	--	--	--	--
10/14/1992	38.20	Yes	--	--	27.30	Yes	--	--
10/15/1992	38.20	Yes	--	--	27.10	Yes	--	--
10/16/1992	38.40	Yes	--	--	27.00	Yes	--	--
10/19/1992	38.30	Yes	--	--	27.40	Yes	--	--
10/20/1992	--	--	--	--	27.60	Yes	--	--
10/21/1992	38.30	Yes	--	--	--	--	--	--
10/22/1992	--	--	--	--	27.80	Yes	--	--
10/23/1992	38.30	Yes	--	--	27.90	Yes	--	--
10/26/1992	--	--	--	--	28.30	Yes	--	--
10/27/1992	--	--	--	--	28.50	Yes	--	--
10/28/1992	38.20	Yes	--	--	28.60	Yes	--	--
10/29/1992	--	--	--	--	28.90	Yes	--	--
10/30/1992	38.40	Yes	--	--	28.90	Yes	--	--
11/2/1992	38.30	Yes	--	--	28.70	Yes	--	--
11/3/1992	--	--	--	--	28.80	Yes	--	--
11/4/1992	38.30	Yes	--	--	28.60	Yes	--	--
11/5/1992	--	--	--	--	28.50	Yes	--	--
11/6/1992	--	--	--	--	28.40	Yes	--	--
11/10/1992	--	--	--	--	29.10	Yes	--	--
11/13/1992	38.10	Yes	--	--	27.80	Yes	--	--

Date	Pumping Plant No. 3 (Weir No. 2) Recorded Stage Elevation				Pumping Plant No. 1 (Willow Slough Weir) Recorded Stage Elevation			
	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]
11/16/1992	38.10	Yes	--	--	27.20	Yes	--	--
11/18/1992	--	--	--	--	28.00	Yes	--	--
11/19/1992	--	--	--	--	28.50	Yes	--	--
11/20/1992	38.30	Yes	--	--	28.70	Yes	--	--
11/23/1992	--	--	--	--	28.50	Yes	--	--
11/24/1992	38.40	Yes	--	--	28.50	Yes	--	--
11/25/1992	--	--	--	--	28.60	Yes	--	--
11/30/1992	38.40	Yes	--	--	28.60	Yes	--	--
12/1/1992	38.40	Yes	--	--	28.60	Yes	--	--
12/2/1992	--	--	--	--	28.40	Yes	--	--
12/4/1992	--	--	--	--	28.30	Yes	--	--
12/7/1992	38.20	Yes	--	--	28.40	Yes	--	--
12/8/1992	38.40	Yes	--	--	28.40	Yes	--	--
12/9/1992	38.50	Yes	--	--	29.00	Yes	--	--
12/10/1992	37.90	Yes	--	--	28.50	Yes	--	--
12/11/1992	--	--	--	--	29.40	Yes	--	--
12/12/1992	--	--	--	--	30.90	Yes	--	--
12/13/1992	--	--	--	--	31.00	Yes	--	--
12/14/1992	37.40	Yes	--	--	30.90	Yes	--	--
12/15/1992	37.80	Yes	--	--	30.10	Yes	--	--
12/16/1992	37.30	Yes	--	--	29.30	Yes	--	--
12/17/1992	--	--	--	--	28.20	Yes	--	--
12/18/1992	--	--	--	--	27.20	Yes	--	--
12/19/1992	--	--	--	--	27.00	Yes	--	--
12/22/1992	--	--	--	--	28.80	Yes	--	--
12/23/1992	--	--	--	--	28.70	Yes	--	--
12/24/1992	--	--	--	--	28.55	Yes	--	--
12/28/1992	37.30	Yes	--	--	28.20	Yes	--	--
12/29/1992	--	--	--	--	27.60	Yes	--	--
12/30/1992	37.00	Yes	--	--	27.50	Yes	--	--
12/31/1992	37.20	Yes	--	--	27.30	Yes	--	--
1/1/1993	37.60	Yes	--	--	--	--	--	--
1/2/1993	37.80	Yes	--	--	--	--	--	--
1/3/1993	37.50	Yes	--	--	--	--	--	--
1/4/1993	37.90	Yes	--	--	31.90	Yes	--	--
1/5/1993	--	--	--	--	31.40	Yes	--	--
1/6/1993	37.20	Yes	--	--	31.20	Yes	--	--
1/7/1993	38.80	Yes	--	--	31.50	Yes	--	--
1/8/1993	38.30	Yes	--	--	31.70	Yes	--	--
1/9/1993	38.60	Yes	--	--	32.20	Yes	--	--
1/10/1993	39.40	Yes	--	--	32.30	Yes	--	--
1/11/1993	39.80	Yes	--	--	32.20	Yes	--	--
1/15/1993	40.90	Yes	--	--	33.00	Yes	--	--
1/20/1993	42.70	Yes	--	--	34.70	Yes	--	--
1/21/1993	42.80	Yes	--	--	34.30	Yes	--	--
1/25/1993	46.50	Yes	--	--	38.50	Yes	--	--
1/26/1993	44.70	Yes	--	--	37.20	Yes	--	--
1/27/1993	43.45	Yes	--	--	35.70	Yes	--	--
1/28/1993	42.50	Yes	--	--	34.40	Yes	--	--
2/2/1993	37.60	Yes	--	--	31.60	Yes	--	--
2/3/1993	--	--	--	--	31.20	Yes	--	--
2/4/1993	--	--	--	--	30.80	Yes	--	--
2/5/1993	36.90	Yes	--	--	30.50	Yes	--	--
2/8/1993	--	--	--	--	29.80	Yes	--	--
2/9/1993	38.60	Yes	--	--	31.20	Yes	--	--
2/10/1993	38.40	Yes	--	--	32.20	Yes	--	--
2/11/1993	40.50	Yes	--	--	33.40	Yes	--	--
2/12/1993	41.40	Yes	--	--	33.90	Yes	--	--
2/13/1993	41.60	Yes	--	--	34.40	Yes	--	--
2/17/1993	40.00	Yes	--	--	32.40	Yes	--	--
2/19/1993	40.90	Yes	--	--	32.00	Yes	--	--
2/22/1993	45.60	Yes	--	--	37.90	Yes	--	--
2/23/1993	43.90	Yes	--	--	37.45	Yes	--	--

Date	Pumping Plant No. 3 (Weir No. 2) Recorded Stage Elevation				Pumping Plant No. 1 (Willow Slough Weir) Recorded Stage Elevation			
	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]
2/24/1993	--	--	--	--	36.90	Yes	--	--
2/25/1993	--	--	--	--	36.70	Yes	--	--
2/26/1993	43.90	Yes	--	--	36.00	Yes	--	--
3/1/1993	41.45	Yes	--	--	33.20	Yes	--	--
3/2/1993	40.50	Yes	--	--	32.70	Yes	--	--
3/3/1993	39.50	Yes	--	--	32.40	Yes	--	--
3/4/1993	38.50	Yes	--	--	32.00	Yes	--	--
3/5/1993	38.10	Yes	--	--	31.60	Yes	--	--
3/8/1993	38.20	Yes	--	--	30.90	Yes	--	--
3/9/1993	--	--	--	--	29.50	Yes	--	--
3/10/1993	37.80	Yes	--	--	30.30	Yes	--	--
3/11/1993	--	--	--	--	29.70	Yes	--	--
3/12/1993	--	--	--	--	29.10	Yes	--	--
3/15/1993	38.60	Yes	--	--	29.10	Yes	--	--
3/16/1993	37.50	Yes	--	--	29.70	Yes	--	--
3/17/1993	--	--	--	--	29.40	Yes	--	--
3/18/1993	--	--	--	--	29.00	Yes	--	--
3/19/1993	--	--	--	--	31.50	Yes	--	--
3/22/1993	43.90	Yes	--	--	36.10	Yes	--	--
3/23/1993	44.50	Yes	--	--	--	--	--	--
4/6/1993	40.30	Yes	--	--	34.50	Yes	--	--
4/7/1993	39.50	Yes	--	--	33.70	Yes	--	--
4/9/1993	38.10	Yes	--	--	32.40	Yes	--	--
4/12/1993	37.50	Yes	--	--	31.30	Yes	--	--
4/13/1993	37.50	Yes	--	--	31.00	Yes	--	--
4/14/1993	37.20	Yes	--	--	30.50	Yes	--	--
4/16/1993	--	--	--	--	28.50	No	Above Normal	Yes
4/19/1993	38.30	No	Above Normal	Yes	28.90	No	Above Normal	Yes
4/20/1993	38.30	No	Above Normal	Yes	28.40	No	Above Normal	Yes
4/21/1993	--	--	--	--	29.70	No	Above Normal	Above Criteria
4/22/1993	37.90	No	Above Normal	Yes	29.85	No	Above Normal	Above Criteria
4/23/1993	37.80	No	Above Normal	Yes	29.40	No	Above Normal	Yes
4/26/1993	37.60	No	Above Normal	Yes	27.70	No	Above Normal	Yes
4/27/1993	--	--	--	--	27.00	No	Above Normal	Below Criteria
4/28/1993	--	--	--	--	27.10	No	Above Normal	Below Criteria
4/29/1993	37.90	No	Above Normal	Yes	29.20	No	Above Normal	Yes
4/30/1993	37.90	No	Above Normal	Yes	29.90	No	Above Normal	Above Criteria
5/3/1993	37.70	No	Above Normal	Yes	29.40	No	Above Normal	Yes
5/4/1993	37.70	No	Above Normal	Yes	29.00	No	Above Normal	Yes
5/5/1993	38.40	No	Above Normal	Yes	28.90	No	Above Normal	Yes
5/6/1993	--	--	--	--	28.70	No	Above Normal	Yes
5/7/1993	38.30	No	Above Normal	Yes	29.50	No	Above Normal	Yes
5/10/1993	38.40	No	Above Normal	Yes	30.10	No	Above Normal	Above Criteria
5/11/1993	38.40	No	Above Normal	Yes	30.20	No	Above Normal	Above Criteria
5/12/1993	38.30	No	Above Normal	Yes	30.20	No	Above Normal	Above Criteria
5/13/1993	38.20	No	Above Normal	Yes	29.60	No	Above Normal	Above Criteria
5/14/1993	38.30	No	Above Normal	Yes	29.10	No	Above Normal	Yes
5/16/1993	--	--	--	--	27.70	No	Above Normal	Yes
5/17/1993	38.00	No	Above Normal	Yes	27.70	No	Above Normal	Yes
5/18/1993	--	--	--	--	27.70	No	Above Normal	Yes
5/19/1993	37.90	No	Above Normal	Yes	27.60	No	Above Normal	Yes
5/20/1993	37.70	No	Above Normal	Yes	27.50	No	Above Normal	Yes
5/21/1993	37.70	No	Above Normal	Yes	27.40	No	Above Normal	Below Criteria
5/23/1993	--	--	--	--	26.80	No	Above Normal	Below Criteria
5/24/1993	--	--	--	--	26.60	No	Above Normal	Below Criteria
5/25/1993	--	--	--	--	26.90	No	Above Normal	Below Criteria
5/26/1993	--	--	--	--	29.40	No	Above Normal	Yes
5/27/1993	38.40	No	Above Normal	Yes	29.30	No	Above Normal	Yes
5/28/1993	--	--	--	--	29.20	No	Above Normal	Yes
6/1/1993	38.70	No	Above Normal	Yes	29.30	No	Above Normal	Yes
6/2/1993	28.20	No	Above Normal	Below Criteria	29.40	No	Above Normal	Yes
6/3/1993	38.10	No	Above Normal	Yes	29.60	No	Above Normal	Above Criteria
6/4/1993	37.90	No	Above Normal	Yes	30.00	No	Above Normal	Above Criteria

Date	Pumping Plant No. 3 (Weir No. 2) Recorded Stage Elevation				Pumping Plant No. 1 (Willow Slough Weir) Recorded Stage Elevation			
	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]
6/6/1993	--	--	--	--	30.80	No	Above Normal	Above Criteria
6/7/1993	--	--	--	--	30.90	No	Above Normal	Above Criteria
6/10/1993	38.10	No	Above Normal	Yes	30.40	No	Above Normal	Above Criteria
6/11/1993	38.00	No	Above Normal	Yes	30.30	No	Above Normal	Above Criteria
6/14/1993	--	--	--	--	26.80	No	Above Normal	Below Criteria
6/16/1993	37.50	No	Above Normal	Yes	28.60	No	Above Normal	Yes
6/17/1993	37.90	No	Above Normal	Yes	29.10	No	Above Normal	Yes
6/18/1993	38.00	No	Above Normal	Yes	29.40	No	Above Normal	Yes
6/21/1993	--	--	--	--	29.40	No	Above Normal	Yes
6/23/1993	37.40	No	Above Normal	Below Criteria	29.50	No	Above Normal	Yes
6/24/1993	37.70	No	Above Normal	Yes	29.50	No	Above Normal	Yes
6/25/1993	--	--	--	--	29.45	No	Above Normal	Yes
6/28/1993	38.40	No	Above Normal	Yes	29.90	No	Above Normal	Above Criteria
6/29/1993	38.30	No	Above Normal	Yes	29.80	No	Above Normal	Above Criteria
6/30/1993	38.40	No	Above Normal	Yes	29.80	No	Above Normal	Above Criteria
7/1/1993	38.50	No	Above Normal	Yes	30.00	No	Above Normal	Above Criteria
7/2/1993	38.50	No	Above Normal	Yes	30.00	No	Above Normal	Above Criteria
7/6/1993	38.70	No	Above Normal	Yes	29.60	No	Above Normal	Above Criteria
7/7/1993	38.50	No	Above Normal	Yes	29.80	No	Above Normal	Above Criteria
7/8/1993	38.60	No	Above Normal	Yes	29.80	No	Above Normal	Above Criteria
7/9/1993	38.60	No	Above Normal	Yes	29.70	No	Above Normal	Above Criteria
7/12/1993	38.70	No	Above Normal	Yes	29.40	No	Above Normal	Yes
7/13/1993	38.20	No	Above Normal	Yes	29.40	No	Above Normal	Yes
7/14/1993	38.40	No	Above Normal	Yes	29.10	No	Above Normal	Yes
7/15/1993	38.50	No	Above Normal	Yes	29.00	No	Above Normal	Yes
7/16/1993	38.60	No	Above Normal	Yes	29.00	No	Above Normal	Yes
7/19/1993	38.60	No	Above Normal	Yes	29.10	No	Above Normal	Yes
7/20/1993	38.60	No	Above Normal	Yes	29.20	No	Above Normal	Yes
7/21/1993	38.50	No	Above Normal	Yes	29.10	No	Above Normal	Yes
7/22/1993	38.50	No	Above Normal	Yes	29.00	No	Above Normal	Yes
7/23/1993	38.50	No	Above Normal	Yes	29.00	No	Above Normal	Yes
7/26/1993	38.70	No	Above Normal	Yes	29.10	No	Above Normal	Yes
7/27/1993	38.55	No	Above Normal	Yes	29.10	No	Above Normal	Yes
7/28/1993	38.50	No	Above Normal	Yes	29.30	No	Above Normal	Yes
7/29/1993	38.50	No	Above Normal	Yes	--	--	--	--
7/30/1993	38.50	No	Above Normal	Yes	29.40	No	Above Normal	Yes
8/1/1993	38.60	No	Above Normal	Yes	28.80	No	Above Normal	Yes
8/3/1993	38.50	No	Above Normal	Yes	28.40	No	Above Normal	Yes
8/7/1993	--	--	--	--	28.50	No	Above Normal	Yes
8/9/1993	38.70	No	Above Normal	Yes	28.10	No	Above Normal	Yes
8/10/1993	38.40	No	Above Normal	Yes	28.10	No	Above Normal	Yes
8/12/1993	38.70	No	Above Normal	Yes	--	--	--	--
8/13/1993	38.60	No	Above Normal	Yes	25.50	No	Above Normal	Below Criteria
8/20/1993	38.30	No	Above Normal	Yes	28.50	No	Above Normal	Yes
8/21/1993	--	--	--	--	28.50	No	Above Normal	Yes
8/22/1993	38.30	No	Above Normal	Yes	28.50	No	Above Normal	Yes
8/23/1993	--	--	--	--	28.50	No	Above Normal	Yes
8/27/1993	38.20	No	Above Normal	Yes	27.90	No	Above Normal	Yes
8/28/1993	38.10	No	Above Normal	Yes	28.60	No	Above Normal	Yes
8/29/1993	38.00	No	Above Normal	Yes	28.85	No	Above Normal	Yes
1/24/1994	--	--	--	--	29.75	Yes	--	--
1/25/1994	--	--	--	--	30.00	Yes	--	--
1/26/1994	--	--	--	--	30.00	Yes	--	--
1/27/1994	37.70	Yes	--	--	--	--	--	--
1/28/1994	37.50	Yes	--	--	--	--	--	--
1/31/1994	--	--	--	--	26.60	Yes	--	--
2/1/1994	37.40	Yes	--	--	27.40	Yes	--	--
2/2/1994	37.40	Yes	--	--	28.60	Yes	--	--
2/3/1994	37.30	Yes	--	--	29.35	Yes	--	--
2/4/1994	--	--	--	--	29.60	Yes	--	--
2/7/1994	38.00	Yes	--	--	29.90	Yes	--	--
2/8/1994	38.80	Yes	--	--	30.40	Yes	--	--
2/9/1994	37.10	Yes	--	--	30.90	Yes	--	--

Date	Pumping Plant No. 3 (Weir No. 2) Recorded Stage Elevation				Pumping Plant No. 1 (Willow Slough Weir) Recorded Stage Elevation			
	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]
2/12/1994	--	--	--	--	29.70	Yes	--	--
2/13/1994	--	--	--	--	29.50	Yes	--	--
2/14/1994	--	--	--	--	29.10	Yes	--	--
2/15/1994	37.70	Yes	--	--	28.70	Yes	--	--
2/16/1994	37.10	Yes	--	--	28.10	Yes	--	--
2/17/1994	37.10	Yes	--	--	27.00	Yes	--	--
2/18/1994	37.10	Yes	--	--	28.10	Yes	--	--
2/20/1994	--	--	--	--	29.60	Yes	--	--
2/22/1994	--	--	--	--	29.80	Yes	--	--
2/27/1994	--	--	--	--	27.00	Yes	--	--
2/28/1994	--	--	--	--	26.40	Yes	--	--
3/1/1994	37.30	Yes	--	--	26.20	Yes	--	--
3/2/1994	37.60	Yes	--	--	27.00	Yes	--	--
3/3/1994	--	--	--	--	27.00	Yes	--	--
3/4/1994	--	--	--	--	27.10	Yes	--	--
3/7/1994	37.70	Yes	--	--	27.10	Yes	--	--
3/8/1994	37.50	Yes	--	--	--	--	--	--
3/9/1994	--	--	--	--	26.60	Yes	--	--
3/10/1994	37.40	Yes	--	--	25.90	Yes	--	--
3/11/1994	38.00	Yes	--	--	27.10	Yes	--	--
3/15/1994	38.00	Yes	--	--	29.30	Yes	--	--
3/17/1994	38.20	Yes	--	--	29.00	Yes	--	--
3/18/1994	38.20	Yes	--	--	29.20	Yes	--	--
3/21/1994	38.00	Yes	--	--	29.80	Yes	--	--
3/24/1994	38.20	Yes	--	--	29.40	Yes	--	--
3/28/1994	37.70	Yes	--	--	29.00	Yes	--	--
3/30/1994	--	--	--	--	28.50	Yes	--	--
3/31/1994	--	--	--	--	28.60	Yes	--	--
4/1/1994	--	--	--	--	28.90	Yes	--	--
4/4/1994	38.10	Yes	--	--	29.80	Yes	--	--
4/6/1994	38.00	Yes	--	--	29.60	Yes	--	--
4/7/1994	38.00	Yes	--	--	29.50	Yes	--	--
4/11/1994	38.10	Yes	--	--	29.70	Yes	--	--
4/13/1994	38.00	Yes	--	--	29.50	Yes	--	--
4/14/1994	--	--	--	--	29.40	Yes	--	--
4/15/1994	38.00	Yes	--	--	29.30	Yes	--	--
4/18/1994	38.00	No	Critically dry	Yes	29.30	No	Critically dry	Yes
4/19/1994	--	--	--	--	29.10	No	Critically dry	Yes
4/20/1994	37.90	No	Critically dry	Yes	29.00	No	Critically dry	Yes
4/21/1994	38.20	No	Critically dry	Yes	29.10	No	Critically dry	Yes
4/22/1994	38.10	No	Critically dry	Yes	29.20	No	Critically dry	Yes
4/25/1994	38.30	No	Critically dry	Yes	29.40	No	Critically dry	Yes
4/26/1994	38.40	No	Critically dry	Yes	29.50	No	Critically dry	Yes
4/27/1994	--	--	--	--	29.60	No	Critically dry	Above Criteria
4/28/1994	38.40	No	Critically dry	Yes	29.50	No	Critically dry	Yes
4/29/1994	38.40	No	Critically dry	Yes	29.40	No	Critically dry	Yes
5/2/1994	38.20	No	Critically dry	Yes	29.50	No	Critically dry	Yes
5/3/1994	38.00	No	Critically dry	Yes	29.20	No	Critically dry	Yes
5/4/1994	37.70	No	Critically dry	Yes	28.70	No	Critically dry	Yes
5/5/1994	37.40	No	Critically dry	Below Criteria	28.30	No	Critically dry	Yes
5/6/1994	37.40	No	Critically dry	Below Criteria	28.00	No	Critically dry	Yes
5/7/1994	37.80	No	Critically dry	Yes	28.20	No	Critically dry	Yes
5/8/1994	38.50	No	Critically dry	Yes	29.30	No	Critically dry	Yes
5/9/1994	38.20	No	Critically dry	Yes	28.70	No	Critically dry	Yes
5/10/1994	38.30	No	Critically dry	Yes	28.30	No	Critically dry	Yes
5/11/1994	38.40	No	Critically dry	Yes	28.50	No	Critically dry	Yes
5/12/1994	38.30	No	Critically dry	Yes	28.10	No	Critically dry	Yes
5/13/1994	37.90	No	Critically dry	Yes	27.90	No	Critically dry	Yes
5/16/1994	37.70	No	Critically dry	Yes	27.80	No	Critically dry	Yes
5/17/1994	38.00	No	Critically dry	Yes	27.80	No	Critically dry	Yes
5/18/1994	38.30	No	Critically dry	Yes	27.80	No	Critically dry	Yes
5/19/1994	38.30	No	Critically dry	Yes	28.50	No	Critically dry	Yes
5/20/1994	--	--	--	--	29.00	No	Critically dry	Yes

Date	Pumping Plant No. 3 (Weir No. 2) Recorded Stage Elevation				Pumping Plant No. 1 (Willow Slough Weir) Recorded Stage Elevation			
	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]
5/23/1994	38.20	No	Critically dry	Yes	29.10	No	Critically dry	Yes
5/25/1994	--	--	--	--	28.40	No	Critically dry	Yes
5/26/1994	--	--	--	--	28.80	No	Critically dry	Yes
5/27/1994	38.00	No	Critically dry	Yes	29.30	No	Critically dry	Yes
5/31/1994	37.70	No	Critically dry	Yes	29.10	No	Critically dry	Yes
6/1/1994	37.30	No	Critically dry	Below Criteria	29.00	No	Critically dry	Yes
6/2/1994	37.00	No	Critically dry	Below Criteria	28.90	No	Critically dry	Yes
6/7/1994	37.00	No	Critically dry	Below Criteria	28.90	No	Critically dry	Yes
6/8/1994	--	--	--	--	28.60	No	Critically dry	Yes
6/9/1994	--	--	--	--	28.50	No	Critically dry	Yes
6/10/1994	37.00	No	Critically dry	Below Criteria	28.10	No	Critically dry	Yes
6/11/1994	--	--	--	--	28.00	No	Critically dry	Yes
6/12/1994	--	--	--	--	27.70	No	Critically dry	Yes
6/13/1994	--	--	--	--	27.40	No	Critically dry	Below Criteria
6/14/1994	36.70	No	Critically dry	Below Criteria	27.10	No	Critically dry	Below Criteria
6/15/1994	36.50	No	Critically dry	Below Criteria	26.80	No	Critically dry	Below Criteria
6/16/1994	36.40	No	Critically dry	Below Criteria	26.40	No	Critically dry	Below Criteria
6/17/1994	--	--	--	--	26.30	No	Critically dry	Below Criteria
6/18/1994	--	--	--	--	26.10	No	Critically dry	Below Criteria
6/19/1994	--	--	--	--	26.20	No	Critically dry	Below Criteria
6/20/1994	36.50	No	Critically dry	Below Criteria	26.30	No	Critically dry	Below Criteria
6/21/1994	36.90	No	Critically dry	Below Criteria	26.40	No	Critically dry	Below Criteria
6/22/1994	--	--	--	--	26.40	No	Critically dry	Below Criteria
6/23/1994	37.00	No	Critically dry	Below Criteria	26.30	No	Critically dry	Below Criteria
6/24/1994	--	--	--	--	26.60	No	Critically dry	Below Criteria
6/25/1994	--	--	--	--	26.70	No	Critically dry	Below Criteria
6/26/1994	--	--	--	--	26.80	No	Critically dry	Below Criteria
6/27/1994	37.60	No	Critically dry	Yes	27.20	No	Critically dry	Below Criteria
6/29/1994	--	--	--	--	27.65	No	Critically dry	Yes
7/1/1994	37.50	No	Critically dry	Yes	28.30	No	Critically dry	Yes
7/5/1994	37.70	No	Critically dry	Yes	28.60	No	Critically dry	Yes
7/6/1994	37.70	No	Critically dry	Yes	28.80	No	Critically dry	Yes
7/7/1994	37.50	No	Critically dry	Yes	28.80	No	Critically dry	Yes
7/8/1994	37.50	No	Critically dry	Yes	28.70	No	Critically dry	Yes
7/11/1994	37.50	No	Critically dry	Yes	28.60	No	Critically dry	Yes
7/12/1994	37.40	No	Critically dry	Below Criteria	28.70	No	Critically dry	Yes
7/13/1994	--	--	--	--	28.80	No	Critically dry	Yes
7/14/1994	38.10	No	Critically dry	Yes	28.80	No	Critically dry	Yes
8/1/1994	38.20	No	Critically dry	Yes	29.00	No	Critically dry	Yes
8/2/1994	38.30	No	Critically dry	Yes	28.50	No	Critically dry	Yes
8/3/1994	--	--	--	--	28.10	No	Critically dry	Yes
8/4/1994	--	--	--	--	28.00	No	Critically dry	Yes
8/5/1994	--	--	--	--	28.60	No	Critically dry	Yes
8/9/1994	38.20	No	Critically dry	Yes	28.30	No	Critically dry	Yes
8/10/1994	38.30	No	Critically dry	Yes	28.20	No	Critically dry	Yes
8/11/1994	38.30	No	Critically dry	Yes	28.30	No	Critically dry	Yes
8/16/1994	--	--	--	--	28.80	No	Critically dry	Yes
8/17/1994	--	--	--	--	28.70	No	Critically dry	Yes
8/18/1994	--	--	--	--	28.60	No	Critically dry	Yes
8/22/1994	--	--	--	--	29.00	No	Critically dry	Yes
8/23/1994	--	--	--	--	29.00	No	Critically dry	Yes
8/25/1994	--	--	--	--	27.80	No	Critically dry	Yes
8/29/1994	37.90	No	Critically dry	Yes	28.40	No	Critically dry	Yes
8/31/1994	38.00	No	Critically dry	Yes	28.30	No	Critically dry	Yes
9/1/1994	--	--	--	--	28.30	No	Critically dry	Yes
9/6/1994	38.00	No	Critically dry	Yes	28.70	No	Critically dry	Yes
9/12/1994	38.00	No	Critically dry	Yes	28.50	No	Critically dry	Yes
9/13/1994	--	--	--	--	28.40	No	Critically dry	Yes
9/14/1994	--	--	--	--	28.20	No	Critically dry	Yes
9/16/1994	--	--	--	--	28.20	No	Critically dry	Yes
9/19/1994	38.20	No	Critically dry	Yes	28.80	No	Critically dry	Yes
9/21/1994	38.20	No	Critically dry	Yes	--	--	--	--
9/22/1994	--	--	--	--	28.50	No	Critically dry	Yes

Date	Pumping Plant No. 3 (Weir No. 2) Recorded Stage Elevation				Pumping Plant No. 1 (Willow Slough Weir) Recorded Stage Elevation			
	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]
9/23/1994	--	--	--	--	28.30	No	Critically dry	Yes
9/26/1994	--	--	--	--	29.00	No	Critically dry	Yes
9/28/1994	--	--	--	--	28.70	No	Critically dry	Yes
9/29/1994	--	--	--	--	28.40	No	Critically dry	Yes
9/30/1994	--	--	--	--	28.30	No	Critically dry	Yes
10/3/1994	37.60	Yes	--	--	28.70	Yes	--	--
10/4/1994	37.80	Yes	--	--	28.70	Yes	--	--
10/5/1994	38.10	Yes	--	--	28.80	Yes	--	--
10/6/1994	38.20	Yes	--	--	28.80	Yes	--	--
10/7/1994	38.30	Yes	--	--	--	--	--	--
10/11/1994	38.20	Yes	--	--	28.80	Yes	--	--
10/12/1994	--	--	--	--	28.70	Yes	--	--
10/13/1994	--	--	--	--	28.60	Yes	--	--
10/14/1994	--	--	--	--	27.80	Yes	--	--
10/17/1994	38.00	Yes	--	--	27.70	Yes	--	--
10/18/1994	--	--	--	--	27.70	Yes	--	--
10/19/1994	--	--	--	--	27.60	Yes	--	--
10/20/1994	--	--	--	--	27.60	Yes	--	--
10/21/1994	38.50	Yes	--	--	27.80	Yes	--	--
10/24/1994	--	--	--	--	29.30	Yes	--	--
10/25/1994	38.40	Yes	--	--	29.60	Yes	--	--
10/26/1994	--	--	--	--	29.20	Yes	--	--
10/27/1994	38.40	Yes	--	--	29.20	Yes	--	--
10/31/1994	38.20	Yes	--	--	28.70	Yes	--	--
12/2/1994	38.60	Yes	--	--	--	--	--	--
12/4/1994	39.20	Yes	--	--	29.00	Yes	--	--
12/5/1994	--	--	--	--	30.60	Yes	--	--
12/6/1994	--	--	--	--	30.90	Yes	--	--
12/7/1994	--	--	--	--	30.40	Yes	--	--
12/8/1994	--	--	--	--	29.60	Yes	--	--
12/9/1994	--	--	--	--	29.00	Yes	--	--
12/12/1994	37.50	Yes	--	--	27.80	Yes	--	--
12/13/1994	37.70	Yes	--	--	29.00	Yes	--	--
12/14/1994	38.00	Yes	--	--	29.60	Yes	--	--
12/15/1994	--	--	--	--	29.70	Yes	--	--
12/16/1994	--	--	--	--	29.70	Yes	--	--
12/17/1994	--	--	--	--	29.70	Yes	--	--
12/19/1994	--	--	--	--	28.60	Yes	--	--
12/20/1994	--	--	--	--	28.00	Yes	--	--
12/21/1994	--	--	--	--	27.70	Yes	--	--
12/22/1994	--	--	--	--	27.10	Yes	--	--
12/27/1994	37.50	Yes	--	--	--	--	--	--
1/3/1995	38.10	Yes	--	--	29.10	Yes	--	--
1/4/1995	38.40	Yes	--	--	28.30	Yes	--	--
1/5/1995	37.90	Yes	--	--	29.50	Yes	--	--
1/6/1995	--	--	--	--	31.00	Yes	--	--
1/7/1995	38.10	Yes	--	--	31.20	Yes	--	--
1/8/1995	38.80	Yes	--	--	--	--	--	--
1/9/1995	42.60	Yes	--	--	34.10	Yes	--	--
1/10/1995	46.40	Yes	--	--	38.90	Yes	--	--
1/11/1995	53.90	Yes	--	--	43.10	Yes	--	--
1/12/1995	54.00	Yes	--	--	43.50	Yes	--	--
1/13/1995	52.60	Yes	--	--	42.80	Yes	--	--
1/14/1995	51.30	Yes	--	--	42.00	Yes	--	--
1/15/1995	51.40	Yes	--	--	41.80	Yes	--	--
1/16/1995	51.40	Yes	--	--	41.90	Yes	--	--
1/17/1995	50.30	Yes	--	--	41.30	Yes	--	--
1/18/1995	48.80	Yes	--	--	40.30	Yes	--	--
1/19/1995	47.10	Yes	--	--	39.30	Yes	--	--
1/20/1995	46.00	Yes	--	--	38.40	Yes	--	--
1/21/1995	45.70	Yes	--	--	38.00	Yes	--	--
1/22/1995	45.00	Yes	--	--	37.80	Yes	--	--
1/23/1995	44.90	Yes	--	--	37.60	Yes	--	--

Date	Pumping Plant No. 3 (Weir No. 2) Recorded Stage Elevation				Pumping Plant No. 1 (Willow Slough Weir) Recorded Stage Elevation			
	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]
1/24/1995	45.60	Yes	--	--	37.90	Yes	--	--
1/25/1995	47.20	Yes	--	--	39.10	Yes	--	--
1/26/1995	48.10	Yes	--	--	39.70	Yes	--	--
1/27/1995	48.00	Yes	--	--	39.60	Yes	--	--
1/28/1995	47.30	Yes	--	--	39.40	Yes	--	--
1/29/1995	46.90	Yes	--	--	39.20	Yes	--	--
1/30/1995	47.40	Yes	--	--	39.40	Yes	--	--
2/1/1995	47.70	Yes	--	--	39.60	Yes	--	--
2/2/1995	48.10	Yes	--	--	39.70	Yes	--	--
2/3/1995	48.70	Yes	--	--	40.10	Yes	--	--
2/4/1995	49.10	Yes	--	--	40.30	Yes	--	--
2/5/1995	48.30	Yes	--	--	40.00	Yes	--	--
2/6/1995	47.40	Yes	--	--	39.30	Yes	--	--
2/7/1995	46.60	Yes	--	--	39.00	Yes	--	--
2/8/1995	45.80	Yes	--	--	38.40	Yes	--	--
2/9/1995	45.20	Yes	--	--	38.00	Yes	--	--
2/10/1995	44.80	Yes	--	--	37.60	Yes	--	--
2/11/1995	44.20	Yes	--	--	37.20	Yes	--	--
2/12/1995	43.50	Yes	--	--	36.50	Yes	--	--
2/13/1995	42.80	Yes	--	--	35.90	Yes	--	--
2/14/1995	42.20	Yes	--	--	35.20	Yes	--	--
2/15/1995	41.40	Yes	--	--	34.90	Yes	--	--
2/16/1995	40.80	Yes	--	--	34.10	Yes	--	--
2/17/1995	40.00	Yes	--	--	33.40	Yes	--	--
2/18/1995	39.40	Yes	--	--	32.80	Yes	--	--
2/19/1995	39.00	Yes	--	--	32.40	Yes	--	--
2/20/1995	38.10	Yes	--	--	32.00	Yes	--	--
2/21/1995	--	--	--	--	31.60	Yes	--	--
2/22/1995	37.20	Yes	--	--	31.20	Yes	--	--
2/23/1995	--	--	--	--	30.90	Yes	--	--
2/24/1995	--	--	--	--	30.40	Yes	--	--
2/25/1995	--	--	--	--	29.50	Yes	--	--
2/26/1995	--	--	--	--	29.10	Yes	--	--
2/26/1995	--	--	--	--	29.00	Yes	--	--
2/27/1995	38.20	Yes	--	--	28.70	Yes	--	--
2/28/1995	38.20	Yes	--	--	28.40	Yes	--	--
3/1/1995	38.20	Yes	--	--	27.80	Yes	--	--
3/2/1995	38.00	Yes	--	--	28.50	Yes	--	--
3/3/1995	38.00	Yes	--	--	28.60	Yes	--	--
3/6/1995	38.30	Yes	--	--	29.20	Yes	--	--
3/8/1995	38.20	Yes	--	--	29.10	Yes	--	--
3/9/1995	39.00	Yes	--	--	29.50	Yes	--	--
3/10/1995	40.40	Yes	--	--	32.60	Yes	--	--
3/11/1995	48.00	Yes	--	--	39.50	Yes	--	--
3/12/1995	51.60	Yes	--	--	42.90	Yes	--	--
3/13/1995	52.20	Yes	--	--	43.50	Yes	--	--
3/14/1995	51.70	Yes	--	--	43.20	Yes	--	--
3/15/1995	51.50	Yes	--	--	43.10	Yes	--	--
3/16/1995	52.10	Yes	--	--	43.20	Yes	--	--
3/17/1995	52.40	Yes	--	--	43.10	Yes	--	--
3/18/1995	51.60	Yes	--	--	42.40	Yes	--	--
3/19/1995	51.10	Yes	--	--	42.00	Yes	--	--
3/20/1995	50.40	Yes	--	--	41.50	Yes	--	--
3/21/1995	50.00	Yes	--	--	41.20	Yes	--	--
3/22/1995	49.80	Yes	--	--	41.20	Yes	--	--
3/23/1995	49.60	Yes	--	--	41.20	Yes	--	--
3/24/1995	49.40	Yes	--	--	41.00	Yes	--	--
3/25/1995	49.10	Yes	--	--	40.60	Yes	--	--
3/26/1995	48.40	Yes	--	--	40.10	Yes	--	--
3/27/1995	47.50	Yes	--	--	39.70	Yes	--	--
3/28/1995	46.30	Yes	--	--	38.80	Yes	--	--
3/29/1995	45.40	Yes	--	--	38.10	Yes	--	--
3/30/1995	44.50	Yes	--	--	37.40	Yes	--	--

Date	Pumping Plant No. 3 (Weir No. 2) Recorded Stage Elevation				Pumping Plant No. 1 (Willow Slough Weir) Recorded Stage Elevation			
	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]
3/31/1995	43.70	Yes	--	--	36.70	Yes	--	--
4/2/1995	42.50	Yes	--	--	35.50	Yes	--	--
4/3/1995	41.60	Yes	--	--	35.00	Yes	--	--
4/4/1995	40.70	Yes	--	--	34.60	Yes	--	--
4/5/1995	40.00	Yes	--	--	34.30	Yes	--	--
4/6/1995	39.20	Yes	--	--	33.20	Yes	--	--
4/7/1995	38.80	Yes	--	--	32.80	Yes	--	--
4/8/1995	38.50	Yes	--	--	32.50	Yes	--	--
4/9/1995	38.50	Yes	--	--	33.50	Yes	--	--
4/10/1995	39.90	Yes	--	--	34.70	Yes	--	--
4/11/1995	--	--	--	--	35.20	Yes	--	--
4/12/1995	42.00	Yes	--	--	35.40	Yes	--	--
4/13/1995	--	--	--	--	35.40	Yes	--	--
4/14/1995	--	--	--	--	35.60	Yes	--	--
4/15/1995	--	--	--	--	35.90	Yes	--	--
4/16/1995	43.40	No	Wet	Above Criteria	36.20	No	Wet	Above Criteria
4/17/1995	42.90	No	Wet	Above Criteria	35.90	No	Wet	Above Criteria
4/18/1995	42.20	No	Wet	Above Criteria	35.50	No	Wet	Above Criteria
4/19/1995	41.10	No	Wet	Above Criteria	35.00	No	Wet	Above Criteria
4/20/1995	40.10	No	Wet	Above Criteria	34.50	No	Wet	Above Criteria
4/21/1995	38.50	No	Wet	Yes	33.60	No	Wet	Above Criteria
4/22/1995	37.70	No	Wet	Yes	32.60	No	Wet	Above Criteria
4/23/1995	--	--	--	--	32.00	No	Wet	Above Criteria
4/25/1995	38.10	No	Wet	Yes	31.00	No	Wet	Above Criteria
4/26/1995	37.90	No	Wet	Yes	--	--	--	--
4/27/1995	--	--	--	--	29.60	No	Wet	Above Criteria
4/28/1995	37.60	No	Wet	Yes	28.60	No	Wet	Yes
4/30/1995	37.90	No	Wet	Yes	29.30	No	Wet	Yes
5/1/1995	--	--	--	--	32.40	No	Wet	Above Criteria
5/2/1995	42.40	No	Wet	Above Criteria	35.50	No	Wet	Above Criteria
5/3/1995	44.40	No	Wet	Above Criteria	37.60	No	Wet	Above Criteria
5/4/1995	44.60	No	Wet	Above Criteria	38.10	No	Wet	Above Criteria
5/5/1995	44.10	No	Wet	Above Criteria	37.60	No	Wet	Above Criteria
5/6/1995	43.60	No	Wet	Above Criteria	37.20	No	Wet	Above Criteria
5/7/1995	--	--	--	--	36.90	No	Wet	Above Criteria
5/8/1995	43.10	No	Wet	Above Criteria	36.20	No	Wet	Above Criteria
5/9/1995	42.80	No	Wet	Above Criteria	35.90	No	Wet	Above Criteria
5/10/1995	42.50	No	Wet	Above Criteria	35.60	No	Wet	Above Criteria
5/11/1995	--	--	--	--	35.20	No	Wet	Above Criteria
5/12/1995	--	--	--	--	34.90	No	Wet	Above Criteria
5/13/1995	--	--	--	--	34.30	No	Wet	Above Criteria
5/14/1995	38.60	No	Wet	Yes	33.70	No	Wet	Above Criteria
5/15/1995	37.70	No	Wet	Yes	33.00	No	Wet	Above Criteria
5/16/1995	38.30	No	Wet	Yes	32.20	No	Wet	Above Criteria
5/17/1995	38.40	No	Wet	Yes	32.00	No	Wet	Above Criteria
5/18/1995	--	--	--	--	31.40	No	Wet	Above Criteria
5/19/1995	38.10	No	Wet	Yes	31.00	No	Wet	Above Criteria
5/20/1995	38.20	No	Wet	Yes	30.60	No	Wet	Above Criteria
5/21/1995	--	--	--	--	30.30	No	Wet	Above Criteria
5/22/1995	38.20	No	Wet	Yes	29.80	No	Wet	Above Criteria
5/23/1995	--	--	--	--	29.40	No	Wet	Yes
5/24/1995	--	--	--	--	29.00	No	Wet	Yes
5/25/1995	37.80	No	Wet	Yes	29.00	No	Wet	Yes
5/26/1995	38.20	No	Wet	Yes	29.00	No	Wet	Yes
5/30/1995	38.30	No	Wet	Yes	28.50	No	Wet	Yes
5/31/1995	38.40	No	Wet	Yes	28.50	No	Wet	Yes
6/1/1995	38.60	No	Wet	Yes	29.20	No	Wet	Yes
6/5/1995	38.40	No	Wet	Yes	29.00	No	Wet	Yes
6/6/1995	38.30	No	Wet	Yes	29.00	No	Wet	Yes
6/7/1995	38.50	No	Wet	Yes	29.10	No	Wet	Yes
6/8/1995	38.40	No	Wet	Yes	29.00	No	Wet	Yes
6/10/1995	--	--	--	--	28.50	No	Wet	Yes
6/12/1995	38.00	No	Wet	Yes	28.50	No	Wet	Yes

Date	Pumping Plant No. 3 (Weir No. 2) Recorded Stage Elevation				Pumping Plant No. 1 (Willow Slough Weir) Recorded Stage Elevation			
	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]
6/13/1995	37.90	No	Wet	Yes	28.60	No	Wet	Yes
6/14/1995	37.80	No	Wet	Yes	28.70	No	Wet	Yes
6/15/1995	--	--	--	--	29.60	No	Wet	Above Criteria
6/17/1995	39.50	No	Wet	Above Criteria	29.60	No	Wet	Above Criteria
6/18/1995	38.60	No	Wet	Yes	29.90	No	Wet	Above Criteria
6/19/1995	38.30	No	Wet	Yes	29.80	No	Wet	Above Criteria
6/20/1995	38.20	No	Wet	Yes	30.10	No	Wet	Above Criteria
6/21/1995	38.00	No	Wet	Yes	--	--	--	--
6/22/1995	38.20	No	Wet	Yes	28.70	No	Wet	Yes
6/23/1995	--	--	--	--	28.20	No	Wet	Yes
6/24/1995	38.20	No	Wet	Yes	29.60	No	Wet	Above Criteria
6/26/1995	--	--	--	--	29.00	No	Wet	Yes
6/27/1995	--	--	--	--	28.30	No	Wet	Yes
6/28/1995	37.70	No	Wet	Yes	28.80	No	Wet	Yes
6/30/1995	37.70	No	Wet	Yes	29.00	No	Wet	Yes
7/3/1995	37.50	No	Wet	Yes	29.50	No	Wet	Yes
7/7/1995	38.50	No	Wet	Yes	28.70	No	Wet	Yes
7/10/1995	38.80	No	Wet	Above Criteria	29.20	No	Wet	Yes
7/11/1995	38.60	No	Wet	Yes	29.20	No	Wet	Yes
7/12/1995	38.70	No	Wet	Yes	28.90	No	Wet	Yes
7/13/1995	38.70	No	Wet	Yes	28.90	No	Wet	Yes
7/17/1995	38.60	No	Wet	Yes	28.20	No	Wet	Yes
7/20/1995	38.60	No	Wet	Yes	29.30	No	Wet	Yes
7/25/1995	38.70	No	Wet	Yes	29.30	No	Wet	Yes
7/27/1995	38.50	No	Wet	Yes	29.20	No	Wet	Yes
7/31/1995	38.50	No	Wet	Yes	29.00	No	Wet	Yes
8/2/1995	38.40	No	Wet	Yes	29.00	No	Wet	Yes
8/3/1995	38.30	No	Wet	Yes	29.10	No	Wet	Yes
8/7/1995	38.59	No	Wet	Yes	29.60	No	Wet	Above Criteria
8/8/1995	38.45	No	Wet	Yes	29.50	No	Wet	Yes
8/9/1995	38.45	No	Wet	Yes	29.50	No	Wet	Yes
8/10/1995	38.50	No	Wet	Yes	29.40	No	Wet	Yes
8/14/1995	38.60	No	Wet	Yes	29.60	No	Wet	Above Criteria
8/15/1995	38.65	No	Wet	Yes	29.60	No	Wet	Above Criteria
8/16/1995	38.60	No	Wet	Yes	29.10	No	Wet	Yes
8/17/1995	38.60	No	Wet	Yes	29.00	No	Wet	Yes
8/23/1995	38.60	No	Wet	Yes	29.00	No	Wet	Yes
8/28/1995	38.65	No	Wet	Yes	29.70	No	Wet	Above Criteria
8/29/1995	38.60	No	Wet	Yes	--	--	--	--
8/31/1995	--	--	--	--	29.00	No	Wet	Yes
9/5/1995	38.45	No	Wet	Yes	29.00	No	Wet	Yes
9/12/1995	38.30	No	Wet	Yes	29.30	No	Wet	Yes
9/13/1995	38.00	No	Wet	Yes	29.00	No	Wet	Yes
9/14/1995	38.00	No	Wet	Yes	28.50	No	Wet	Yes
9/18/1995	38.40	No	Wet	Yes	--	--	--	--
9/19/1995	38.45	No	Wet	Yes	28.50	No	Wet	Yes
9/20/1995	38.65	No	Wet	Yes	28.70	No	Wet	Yes
9/21/1995	38.60	No	Wet	Yes	28.80	No	Wet	Yes
9/26/1995	38.50	No	Wet	Yes	--	--	--	--
9/27/1995	38.50	No	Wet	Yes	28.30	No	Wet	Yes
10/2/1995	38.20	Yes	--	--	27.80	Yes	--	--
10/3/1995	38.50	Yes	--	--	28.80	Yes	--	--
10/5/1995	--	--	--	--	29.80	Yes	--	--
10/16/1995	--	--	--	--	29.10	Yes	--	--
10/23/1995	38.30	Yes	--	--	--	--	--	--
12/5/1995	38.80	Yes	--	--	29.40	Yes	--	--
12/11/1995	38.90	Yes	--	--	29.10	Yes	--	--
12/12/1995	38.40	Yes	--	--	--	--	--	--
12/26/1995	--	--	--	--	29.30	Yes	--	--
12/27/1995	38.70	Yes	--	--	28.00	Yes	--	--
12/28/1995	38.50	Yes	--	--	27.10	Yes	--	--
12/29/1995	--	--	--	--	28.00	Yes	--	--
12/31/1995	--	--	--	--	29.50	Yes	--	--

Date	Pumping Plant No. 3 (Weir No. 2) Recorded Stage Elevation				Pumping Plant No. 1 (Willow Slough Weir) Recorded Stage Elevation			
	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]
1/2/1996	38.70	Yes	--	--	29.30	Yes	--	--
1/3/1996	38.60	Yes	--	--	29.10	Yes	--	--
1/5/1996	38.30	Yes	--	--	28.20	Yes	--	--
1/8/1996	--	--	--	--	29.80	Yes	--	--
1/16/1996	38.50	Yes	--	--	28.70	Yes	--	--
1/17/1996	38.80	Yes	--	--	28.70	Yes	--	--
1/18/1996	--	--	--	--	32.10	Yes	--	--
1/19/1996	39.00	Yes	--	--	32.70	Yes	--	--
1/20/1996	41.00	Yes	--	--	34.00	Yes	--	--
1/21/1996	41.80	Yes	--	--	34.30	Yes	--	--
2/2/1996	40.60	Yes	--	--	--	--	--	--
2/3/1996	40.20	Yes	--	--	34.80	Yes	--	--
2/4/1996	40.30	Yes	--	--	--	--	--	--
2/5/1996	41.10	Yes	--	--	--	--	--	--
2/6/1996	42.00	Yes	--	--	35.90	Yes	--	--
2/7/1996	46.20	Yes	--	--	--	--	--	--
2/9/1996	45.30	Yes	--	--	37.80	Yes	--	--
2/12/1996	42.60	Yes	--	--	--	--	--	--
2/15/1996	40.90	Yes	--	--	--	--	--	--
2/17/1996	--	--	--	--	35.50	Yes	--	--
2/18/1996	42.80	Yes	--	--	--	--	--	--
2/19/1996	42.80	Yes	--	--	--	--	--	--
2/21/1996	44.00	Yes	--	--	--	--	--	--
2/26/1996	47.20	Yes	--	--	--	--	--	--
2/27/1996	--	--	--	--	38.20	Yes	--	--
3/1/1996	46.05	Yes	--	--	38.40	Yes	--	--
3/4/1996	45.40	Yes	--	--	38.10	Yes	--	--
3/9/1996	43.70	Yes	--	--	36.60	Yes	--	--
3/16/1996	42.60	Yes	--	--	35.70	Yes	--	--
3/20/1996	38.10	Yes	--	--	32.90	Yes	--	--
4/1/1996	38.80	Yes	--	--	29.10	Yes	--	--
4/2/1996	39.50	Yes	--	--	31.00	Yes	--	--
4/3/1996	39.10	Yes	--	--	31.00	Yes	--	--
4/4/1996	38.90	Yes	--	--	30.80	Yes	--	--
4/5/1996	38.60	Yes	--	--	30.50	Yes	--	--
4/6/1996	38.40	Yes	--	--	30.00	Yes	--	--
4/7/1996	--	--	--	--	29.60	Yes	--	--
4/10/1996	38.10	Yes	--	--	28.40	Yes	--	--
4/11/1996	--	--	--	--	28.80	Yes	--	--
4/15/1996	37.80	Yes	--	--	--	--	--	--
4/22/1996	37.80	No	Wet	Yes	--	--	--	--
4/23/1996	--	--	--	--	27.20	No	Wet	Below Criteria
4/25/1996	--	--	--	--	27.80	No	Wet	Yes
4/29/1996	38.40	No	Wet	Yes	--	--	--	--
5/17/1996	--	--	--	--	29.40	No	Wet	Yes
5/18/1996	--	--	--	--	30.00	No	Wet	Above Criteria
5/19/1996	--	--	--	--	32.20	No	Wet	Above Criteria
5/20/1996	--	--	--	--	33.60	No	Wet	Above Criteria
5/21/1996	--	--	--	--	33.60	No	Wet	Above Criteria
5/22/1996	--	--	--	--	33.50	No	Wet	Above Criteria
5/23/1996	--	--	--	--	32.80	No	Wet	Above Criteria
5/24/1996	--	--	--	--	32.90	No	Wet	Above Criteria
5/25/1996	--	--	--	--	32.90	No	Wet	Above Criteria
5/26/1996	--	--	--	--	32.90	No	Wet	Above Criteria
5/27/1996	--	--	--	--	31.90	No	Wet	Above Criteria
5/30/1996	--	--	--	--	28.90	No	Wet	Yes
5/31/1996	--	--	--	--	28.80	No	Wet	Yes
6/1/1996	--	--	--	--	29.30	No	Wet	Yes
6/2/1996	38.50	No	Wet	Yes	29.70	No	Wet	Above Criteria
6/3/1996	--	--	--	--	29.90	No	Wet	Above Criteria
6/4/1996	38.80	No	Wet	Above Criteria	--	--	--	--
6/5/1996	38.80	No	Wet	Above Criteria	28.60	No	Wet	Yes
6/10/1996	38.40	No	Wet	Yes	28.00	No	Wet	Yes

Date	Pumping Plant No. 3 (Weir No. 2) Recorded Stage Elevation				Pumping Plant No. 1 (Willow Slough Weir) Recorded Stage Elevation			
	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]
6/11/1996	--	--	--	--	28.80	No	Wet	Yes
6/12/1996	38.60	No	Wet	Yes	29.55	No	Wet	Above Criteria
6/17/1996	38.50	No	Wet	Yes	29.20	No	Wet	Yes
6/18/1996	38.50	No	Wet	Yes	29.10	No	Wet	Yes
6/19/1996	--	--	--	--	29.40	No	Wet	Yes
6/24/1996	38.40	No	Wet	Yes	29.50	No	Wet	Yes
6/26/1996	38.40	No	Wet	Yes	29.50	No	Wet	Yes
7/1/1996	38.60	No	Wet	Yes	29.70	No	Wet	Above Criteria
7/8/1996	38.40	No	Wet	Yes	28.50	No	Wet	Yes
7/9/1996	--	--	--	--	28.70	No	Wet	Yes
7/14/1996	--	--	--	--	29.30	No	Wet	Yes
7/22/1996	--	--	--	--	29.20	No	Wet	Yes
7/25/1996	38.70	No	Wet	Yes	29.30	No	Wet	Yes
8/6/1996	39.00	No	Wet	Above Criteria	29.60	No	Wet	Above Criteria
8/19/1996	38.70	No	Wet	Yes	28.70	No	Wet	Yes
8/20/1996	38.40	No	Wet	Yes	29.40	No	Wet	Yes
8/21/1996	38.80	No	Wet	Above Criteria	29.70	No	Wet	Above Criteria
8/22/1996	38.80	No	Wet	Above Criteria	--	--	--	--
8/26/1996	--	--	--	--	29.40	No	Wet	Yes

Note:
1. “Above Criteria” refers to WSEL higher than the desired operation range and does not infer actual flooding in the Sutter Bypass or overtopping of the west bank of the EBC.

APPENDIX II - RECORDED STAGE ELEVATION
(STAGE ELEVATION DURING FLOOD REASON)

Date	Pumping Plant No. 3 (Weir No. 2) Recorded Stage Elevation				Pumping Plant No. 1 (Willow Slough Weir) Recorded Stage Elevation			
	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]
10/3/1989	--	--	--	--	25.50	Yes	--	--
10/5/1989	38.30	Yes	--	--	26.60	Yes	--	--
10/10/1989	38.20	Yes	--	--	28.75	Yes	--	--
10/11/1989	38.15	Yes	--	--	28.50	Yes	--	--
10/12/1989	38.10	Yes	--	--	28.40	Yes	--	--
10/13/1989	38.10	Yes	--	--	28.30	Yes	--	--
10/16/1989	38.20	Yes	--	--	28.30	Yes	--	--
10/17/1989	38.20	Yes	--	--	28.28	Yes	--	--
10/18/1989	38.20	Yes	--	--	28.30	Yes	--	--
10/19/1989	38.20	Yes	--	--	28.30	Yes	--	--
10/20/1989	38.20	Yes	--	--	28.20	Yes	--	--
10/23/1989	38.40	Yes	--	--	28.05	Yes	--	--
10/24/1989	38.30	Yes	--	--	28.05	Yes	--	--
10/25/1989	38.48	Yes	--	--	28.50	Yes	--	--
10/26/1989	38.10	Yes	--	--	28.50	Yes	--	--
10/27/1989	38.00	Yes	--	--	28.05	Yes	--	--
10/29/1989	--	--	--	--	26.10	Yes	--	--
10/30/1989	37.70	Yes	--	--	27.60	Yes	--	--
10/31/1989	37.80	Yes	--	--	28.00	Yes	--	--
11/1/1989	38.20	Yes	--	--	28.30	Yes	--	--
11/2/1989	38.20	Yes	--	--	28.70	Yes	--	--
11/3/1989	--	--	--	--	28.50	Yes	--	--
11/6/1989	--	--	--	--	28.90	Yes	--	--
11/7/1989	38.20	Yes	--	--	28.90	Yes	--	--
11/8/1989	38.20	Yes	--	--	28.72	Yes	--	--
11/9/1989	38.20	Yes	--	--	28.70	Yes	--	--
11/13/1989	38.20	Yes	--	--	28.80	Yes	--	--
11/14/1989	38.25	Yes	--	--	28.90	Yes	--	--
11/15/1989	38.25	Yes	--	--	29.00	Yes	--	--
11/16/1989	38.20	Yes	--	--	29.00	Yes	--	--
11/17/1989	38.20	Yes	--	--	29.00	Yes	--	--
11/20/1989	38.20	Yes	--	--	28.50	Yes	--	--
11/21/1989	38.25	Yes	--	--	28.60	Yes	--	--
11/22/1989	38.30	Yes	--	--	28.40	Yes	--	--
11/25/1989	38.30	Yes	--	--	28.10	Yes	--	--
11/26/1989	38.20	Yes	--	--	27.30	Yes	--	--
11/27/1989	38.00	Yes	--	--	27.00	Yes	--	--
11/28/1989	38.00	Yes	--	--	27.90	Yes	--	--
11/29/1989	37.90	Yes	--	--	28.30	Yes	--	--
11/30/1989	38.10	Yes	--	--	28.30	Yes	--	--
12/1/1989	38.10	Yes	--	--	28.00	Yes	--	--
12/4/1989	38.00	Yes	--	--	28.00	Yes	--	--
12/5/1989	38.20	Yes	--	--	28.20	Yes	--	--
12/6/1989	38.30	Yes	--	--	28.30	Yes	--	--
12/7/1989	38.20	Yes	--	--	28.10	Yes	--	--
12/8/1989	38.20	Yes	--	--	28.00	Yes	--	--
12/11/1989	38.30	Yes	--	--	28.20	Yes	--	--
12/12/1989	38.30	Yes	--	--	28.20	Yes	--	--
12/13/1989	38.20	Yes	--	--	28.10	Yes	--	--
12/14/1989	38.20	Yes	--	--	28.10	Yes	--	--
12/15/1989	38.15	Yes	--	--	27.80	Yes	--	--
12/18/1989	38.05	Yes	--	--	27.60	Yes	--	--
12/19/1989	38.25	Yes	--	--	28.20	Yes	--	--
12/20/1989	38.20	Yes	--	--	28.80	Yes	--	--
12/21/1989	38.25	Yes	--	--	28.70	Yes	--	--
12/22/1989	38.30	Yes	--	--	28.35	Yes	--	--
12/26/1989	38.40	Yes	--	--	28.25	Yes	--	--
12/27/1989	38.10	Yes	--	--	28.40	Yes	--	--
12/28/1989	38.30	Yes	--	--	28.40	Yes	--	--
12/29/1989	38.40	Yes	--	--	28.65	Yes	--	--

Date	Pumping Plant No. 3 (Weir No. 2) Recorded Stage Elevation				Pumping Plant No. 1 (Willow Slough Weir) Recorded Stage Elevation			
	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]
1/2/1990	38.35	Yes	--	--	29.05	Yes	--	--
1/3/1990	38.20	Yes	--	--	28.20	Yes	--	--
1/4/1990	38.20	Yes	--	--	28.68	Yes	--	--
1/5/1990	38.10	Yes	--	--	28.40	Yes	--	--
1/8/1990	38.30	Yes	--	--	28.00	Yes	--	--
1/9/1990	38.50	Yes	--	--	--	--	--	--
1/10/1990	38.55	Yes	--	--	--	--	--	--
1/11/1990	38.10	Yes	--	--	27.50	Yes	--	--
1/12/1990	37.80	Yes	--	--	26.50	Yes	--	--
1/14/1990	38.10	Yes	--	--	26.00	Yes	--	--
1/15/1990	--	--	--	--	28.60	Yes	--	--
1/16/1990	38.28	Yes	--	--	29.85	Yes	--	--
1/17/1990	38.10	Yes	--	--	30.50	Yes	--	--
1/18/1990	38.10	Yes	--	--	30.30	Yes	--	--
1/19/1990	38.20	Yes	--	--	30.00	Yes	--	--
1/22/1990	--	--	--	--	26.30	Yes	--	--
1/23/1990	37.70	Yes	--	--	25.25	Yes	--	--
1/24/1990	37.40	Yes	--	--	25.00	Yes	--	--
1/25/1990	37.70	Yes	--	--	25.00	Yes	--	--
1/26/1990	37.73	Yes	--	--	25.10	Yes	--	--
1/29/1990	37.60	Yes	--	--	24.70	Yes	--	--
1/30/1990	37.90	Yes	--	--	25.70	Yes	--	--
1/31/1990	38.00	Yes	--	--	27.00	Yes	--	--
2/1/1990	38.00	Yes	--	--	28.10	Yes	--	--
2/2/1990	38.10	Yes	--	--	28.50	Yes	--	--
2/5/1990	38.15	Yes	--	--	28.55	Yes	--	--
2/6/1990	38.20	Yes	--	--	28.70	Yes	--	--
2/7/1990	38.15	Yes	--	--	27.65	Yes	--	--
2/8/1990	38.20	Yes	--	--	27.90	Yes	--	--
2/9/1990	38.10	Yes	--	--	28.00	Yes	--	--
2/13/1990	37.90	Yes	--	--	27.00	Yes	--	--
2/14/1990	37.90	Yes	--	--	27.10	Yes	--	--
2/15/1990	38.00	Yes	--	--	27.00	Yes	--	--
2/16/1990	38.10	Yes	--	--	27.10	Yes	--	--
2/20/1990	38.10	Yes	--	--	--	--	--	--
2/21/1990	38.10	Yes	--	--	26.40	Yes	--	--
2/22/1990	38.00	Yes	--	--	26.30	Yes	--	--
2/23/1990	38.00	Yes	--	--	26.50	Yes	--	--
2/26/1990	37.90	Yes	--	--	26.35	Yes	--	--
2/27/1990	38.05	Yes	--	--	26.70	Yes	--	--
2/28/1990	38.00	Yes	--	--	27.10	Yes	--	--
3/1/1990	38.00	Yes	--	--	27.10	Yes	--	--
3/2/1990	38.00	Yes	--	--	27.00	Yes	--	--
3/5/1990	38.40	Yes	--	--	27.40	Yes	--	--
3/6/1990	38.20	Yes	--	--	27.65	Yes	--	--
3/7/1990	38.35	Yes	--	--	27.95	Yes	--	--
3/8/1990	38.20	Yes	--	--	28.85	Yes	--	--
3/9/1990	38.00	Yes	--	--	28.00	Yes	--	--
3/12/1990	38.30	Yes	--	--	26.90	Yes	--	--
3/13/1990	38.10	Yes	--	--	27.00	Yes	--	--
3/14/1990	38.00	Yes	--	--	27.60	Yes	--	--
3/15/1990	38.00	Yes	--	--	27.70	Yes	--	--
3/16/1990	38.00	Yes	--	--	27.60	Yes	--	--
3/19/1990	38.00	Yes	--	--	27.35	Yes	--	--
3/20/1990	38.00	Yes	--	--	27.40	Yes	--	--
3/21/1990	38.00	Yes	--	--	27.35	Yes	--	--
3/22/1990	37.90	Yes	--	--	27.00	Yes	--	--
3/23/1990	38.00	Yes	--	--	27.50	Yes	--	--
3/26/1990	37.90	Yes	--	--	27.30	Yes	--	--
3/27/1990	37.90	Yes	--	--	27.40	Yes	--	--
3/28/1990	37.90	Yes	--	--	27.40	Yes	--	--
3/29/1990	37.90	Yes	--	--	27.70	Yes	--	--
3/30/1990	37.80	Yes	--	--	28.20	Yes	--	--

Date	Pumping Plant No. 3 (Weir No. 2) Recorded Stage Elevation				Pumping Plant No. 1 (Willow Slough Weir) Recorded Stage Elevation			
	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]
4/2/1990	37.80	Yes	--	--	28.50	Yes	--	--
4/3/1990	38.00	Yes	--	--	28.50	Yes	--	--
4/4/1990	38.28	Yes	--	--	28.50	Yes	--	--
4/5/1990	38.30	Yes	--	--	28.60	Yes	--	--
4/6/1990	38.20	Yes	--	--	28.60	Yes	--	--
4/9/1990	38.35	Yes	--	--	28.80	Yes	--	--
4/10/1990	38.30	Yes	--	--	28.55	Yes	--	--
4/11/1990	38.25	Yes	--	--	28.50	Yes	--	--
4/12/1990	38.20	Yes	--	--	28.35	Yes	--	--
4/13/1990	38.38	Yes	--	--	28.25	Yes	--	--
10/1/1990	37.90	Yes	--	--	27.30	Yes	--	--
10/2/1990	37.90	Yes	--	--	27.25	Yes	--	--
10/3/1990	38.00	Yes	--	--	27.25	Yes	--	--
10/4/1990	38.10	Yes	--	--	27.70	Yes	--	--
10/5/1990	38.10	Yes	--	--	27.95	Yes	--	--
10/9/1990	38.00	Yes	--	--	27.90	Yes	--	--
10/10/1990	38.00	Yes	--	--	28.10	Yes	--	--
10/11/1990	38.00	Yes	--	--	28.50	Yes	--	--
10/12/1990	38.10	Yes	--	--	28.65	Yes	--	--
10/15/1990	38.20	Yes	--	--	28.60	Yes	--	--
10/16/1990	38.10	Yes	--	--	28.60	Yes	--	--
10/17/1990	38.00	Yes	--	--	28.60	Yes	--	--
10/19/1990	38.05	Yes	--	--	28.60	Yes	--	--
10/22/1990	37.90	Yes	--	--	28.40	Yes	--	--
10/23/1990	37.90	Yes	--	--	28.50	Yes	--	--
10/24/1990	37.90	Yes	--	--	28.10	Yes	--	--
10/25/1990	37.90	Yes	--	--	28.10	Yes	--	--
10/26/1990	38.00	Yes	--	--	28.20	Yes	--	--
10/29/1990	38.10	Yes	--	--	28.70	Yes	--	--
10/30/1990	38.10	Yes	--	--	28.60	Yes	--	--
10/31/1990	38.10	Yes	--	--	28.60	Yes	--	--
11/2/1990	38.30	Yes	--	--	28.75	Yes	--	--
11/5/1990	38.20	Yes	--	--	28.30	Yes	--	--
11/6/1990	38.20	Yes	--	--	28.30	Yes	--	--
11/7/1990	38.20	Yes	--	--	28.10	Yes	--	--
11/8/1990	38.10	Yes	--	--	28.05	Yes	--	--
11/9/1990	38.20	Yes	--	--	28.00	Yes	--	--
11/13/1990	38.10	Yes	--	--	27.45	Yes	--	--
11/14/1990	38.15	Yes	--	--	27.50	Yes	--	--
11/15/1990	38.20	Yes	--	--	27.75	Yes	--	--
11/16/1990	38.20	Yes	--	--	27.90	Yes	--	--
11/19/1990	38.20	Yes	--	--	27.80	Yes	--	--
11/20/1990	38.20	Yes	--	--	27.90	Yes	--	--
11/21/1990	38.20	Yes	--	--	27.80	Yes	--	--
11/26/1990	38.20	Yes	--	--	28.00	Yes	--	--
11/27/1990	38.20	Yes	--	--	27.90	Yes	--	--
11/30/1990	38.30	Yes	--	--	27.60	Yes	--	--
12/3/1990	38.10	Yes	--	--	27.50	Yes	--	--
12/4/1990	38.10	Yes	--	--	27.50	Yes	--	--
12/5/1990	38.00	Yes	--	--	27.35	Yes	--	--
12/6/1990	37.90	Yes	--	--	27.25	Yes	--	--
12/7/1990	38.00	Yes	--	--	27.40	Yes	--	--
12/10/1990	37.90	Yes	--	--	28.15	Yes	--	--
12/11/1990	38.00	Yes	--	--	28.40	Yes	--	--
12/12/1990	38.00	Yes	--	--	28.10	Yes	--	--
12/13/1990	38.10	Yes	--	--	28.00	Yes	--	--
12/14/1990	38.20	Yes	--	--	27.80	Yes	--	--
12/17/1990	38.20	Yes	--	--	27.80	Yes	--	--
12/18/1990	38.20	Yes	--	--	27.80	Yes	--	--
12/19/1990	38.20	Yes	--	--	27.70	Yes	--	--
12/20/1990	38.20	Yes	--	--	27.70	Yes	--	--
12/21/1990	38.20	Yes	--	--	27.60	Yes	--	--
12/26/1990	38.00	Yes	--	--	27.35	Yes	--	--

Date	Pumping Plant No. 3 (Weir No. 2) Recorded Stage Elevation				Pumping Plant No. 1 (Willow Slough Weir) Recorded Stage Elevation			
	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]
12/27/1990	38.00	Yes	--	--	27.50	Yes	--	--
12/28/1990	37.90	Yes	--	--	27.50	Yes	--	--
12/31/1990	37.90	Yes	--	--	27.40	Yes	--	--
1/2/1991	37.90	Yes	--	--	27.30	Yes	--	--
1/3/1991	37.90	Yes	--	--	27.40	Yes	--	--
1/4/1991	37.90	Yes	--	--	27.50	Yes	--	--
1/7/1991	38.00	Yes	--	--	28.10	Yes	--	--
1/8/1991	38.10	Yes	--	--	28.40	Yes	--	--
1/9/1991	38.10	Yes	--	--	28.10	Yes	--	--
1/10/1991	38.00	Yes	--	--	27.90	Yes	--	--
1/11/1991	38.10	Yes	--	--	27.90	Yes	--	--
1/14/1991	38.10	Yes	--	--	27.70	Yes	--	--
1/15/1991	38.00	Yes	--	--	27.70	Yes	--	--
1/16/1991	38.00	Yes	--	--	27.70	Yes	--	--
1/17/1991	38.00	Yes	--	--	27.60	Yes	--	--
1/18/1991	38.00	Yes	--	--	27.55	Yes	--	--
1/22/1991	37.90	Yes	--	--	27.45	Yes	--	--
1/23/1991	37.90	Yes	--	--	27.40	Yes	--	--
1/24/1991	37.90	Yes	--	--	27.35	Yes	--	--
1/24/1991	37.90	Yes	--	--	27.35	Yes	--	--
1/28/1991	38.00	Yes	--	--	28.20	Yes	--	--
1/29/1991	38.00	Yes	--	--	28.35	Yes	--	--
1/30/1991	38.10	Yes	--	--	28.50	Yes	--	--
1/31/1991	38.10	Yes	--	--	28.50	Yes	--	--
2/1/1991	38.10	Yes	--	--	28.50	Yes	--	--
2/3/1991	38.40	Yes	--	--	28.90	Yes	--	--
2/4/1991	38.40	Yes	--	--	28.60	Yes	--	--
2/5/1991	38.10	Yes	--	--	28.60	Yes	--	--
2/6/1991	38.20	Yes	--	--	28.90	Yes	--	--
2/7/1991	38.20	Yes	--	--	28.90	Yes	--	--
2/8/1991	38.20	Yes	--	--	28.50	Yes	--	--
2/11/1991	38.00	Yes	--	--	27.95	Yes	--	--
2/13/1991	38.20	Yes	--	--	27.90	Yes	--	--
2/14/1991	38.20	Yes	--	--	27.90	Yes	--	--
2/15/1991	38.20	Yes	--	--	27.80	Yes	--	--
2/19/1991	38.10	Yes	--	--	27.35	Yes	--	--
2/20/1991	38.20	Yes	--	--	27.55	Yes	--	--
2/21/1991	38.30	Yes	--	--	28.00	Yes	--	--
2/22/1991	38.20	Yes	--	--	27.87	Yes	--	--
2/25/1991	38.25	Yes	--	--	27.70	Yes	--	--
2/26/1991	38.20	Yes	--	--	27.65	Yes	--	--
2/27/1991	38.20	Yes	--	--	27.65	Yes	--	--
2/28/1991	38.40	Yes	--	--	27.90	Yes	--	--
3/1/1991	38.40	Yes	--	--	28.20	Yes	--	--
3/4/1991	38.70	Yes	--	--	29.40	Yes	--	--
3/5/1991	38.50	Yes	--	--	31.60	Yes	--	--
3/6/1991	39.10	Yes	--	--	30.50	Yes	--	--
3/7/1991	39.00	Yes	--	--	30.40	Yes	--	--
3/8/1991	38.40	Yes	--	--	29.70	Yes	--	--
3/11/1991	--	--	--	--	26.70	Yes	--	--
3/12/1991	37.50	Yes	--	--	26.90	Yes	--	--
3/13/1991	38.65	Yes	--	--	28.00	Yes	--	--
3/14/1991	37.90	Yes	--	--	28.50	Yes	--	--
3/15/1991	38.40	Yes	--	--	28.90	Yes	--	--
3/18/1991	38.25	Yes	--	--	29.40	Yes	--	--
3/19/1991	38.00	Yes	--	--	29.20	Yes	--	--
3/20/1991	38.90	Yes	--	--	30.20	Yes	--	--
3/21/1991	38.10	Yes	--	--	30.20	Yes	--	--
3/22/1991	38.20	Yes	--	--	29.80	Yes	--	--
3/24/1991	38.60	Yes	--	--	--	--	--	--
3/25/1991	39.20	Yes	--	--	31.10	Yes	--	--
3/26/1991	40.00	Yes	--	--	31.80	Yes	--	--
3/27/1991	40.70	Yes	--	--	32.35	Yes	--	--

Date	Pumping Plant No. 3 (Weir No. 2) Recorded Stage Elevation				Pumping Plant No. 1 (Willow Slough Weir) Recorded Stage Elevation			
	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]
3/28/1991	41.15	Yes	--	--	32.50	Yes	--	--
3/29/1991	41.45	Yes	--	--	32.60	Yes	--	--
4/1/1991	37.85	Yes	--	--	31.60	Yes	--	--
4/2/1991	37.60	Yes	--	--	30.60	Yes	--	--
4/3/1991	37.70	Yes	--	--	27.80	Yes	--	--
4/4/1991	37.50	Yes	--	--	27.35	Yes	--	--
4/5/1991	37.40	Yes	--	--	26.20	Yes	--	--
4/8/1991	38.20	Yes	--	--	27.10	Yes	--	--
4/9/1991	38.10	Yes	--	--	27.00	Yes	--	--
4/10/1991	38.00	Yes	--	--	26.70	Yes	--	--
4/11/1991	37.90	Yes	--	--	26.30	Yes	--	--
4/12/1991	37.90	Yes	--	--	26.10	Yes	--	--
4/15/1991	37.50	Yes	--	--	--	--	--	--
10/2/1991	37.80	Yes	--	--	28.40	Yes	--	--
10/3/1991	37.80	Yes	--	--	28.30	Yes	--	--
10/7/1991	37.60	Yes	--	--	28.20	Yes	--	--
10/8/1991	37.50	Yes	--	--	28.18	Yes	--	--
10/9/1991	37.20	Yes	--	--	28.10	Yes	--	--
10/10/1991	37.20	Yes	--	--	28.00	Yes	--	--
10/11/1991	37.20	Yes	--	--	28.07	Yes	--	--
10/13/1991	37.50	Yes	--	--	--	--	--	--
10/15/1991	37.60	Yes	--	--	28.05	Yes	--	--
10/16/1991	37.70	Yes	--	--	28.00	Yes	--	--
10/17/1991	37.60	Yes	--	--	27.90	Yes	--	--
10/18/1991	--	--	--	--	27.85	Yes	--	--
10/21/1991	37.50	Yes	--	--	27.60	Yes	--	--
10/22/1991	37.50	Yes	--	--	27.50	Yes	--	--
10/23/1991	37.50	Yes	--	--	27.50	Yes	--	--
10/24/1991	37.50	Yes	--	--	27.30	Yes	--	--
10/25/1991	37.50	Yes	--	--	27.30	Yes	--	--
10/28/1991	37.55	Yes	--	--	27.10	Yes	--	--
10/29/1991	37.55	Yes	--	--	26.85	Yes	--	--
10/30/1991	37.50	Yes	--	--	26.75	Yes	--	--
11/1/1991	37.50	Yes	--	--	26.45	Yes	--	--
11/4/1991	37.40	Yes	--	--	26.40	Yes	--	--
11/5/1991	37.40	Yes	--	--	26.40	Yes	--	--
11/6/1991	37.60	Yes	--	--	26.50	Yes	--	--
11/7/1991	37.80	Yes	--	--	26.55	Yes	--	--
11/8/1991	37.80	Yes	--	--	26.60	Yes	--	--
11/13/1991	38.10	Yes	--	--	26.90	Yes	--	--
11/14/1991	38.10	Yes	--	--	27.00	Yes	--	--
11/15/1991	38.05	Yes	--	--	27.00	Yes	--	--
11/18/1991	38.15	Yes	--	--	27.20	Yes	--	--
11/19/1991	38.20	Yes	--	--	27.30	Yes	--	--
11/20/1991	38.20	Yes	--	--	27.38	Yes	--	--
11/21/1991	38.40	Yes	--	--	27.50	Yes	--	--
11/23/1991	38.40	Yes	--	--	27.60	Yes	--	--
11/25/1991	38.40	Yes	--	--	28.30	Yes	--	--
11/26/1991	38.30	Yes	--	--	28.20	Yes	--	--
11/27/1991	38.00	Yes	--	--	28.20	Yes	--	--
12/3/1991	--	--	--	--	27.75	Yes	--	--
12/4/1991	37.70	Yes	--	--	27.80	Yes	--	--
12/5/1991	37.90	Yes	--	--	27.90	Yes	--	--
12/6/1991	37.90	Yes	--	--	28.00	Yes	--	--
12/9/1991	38.20	Yes	--	--	28.90	Yes	--	--
12/10/1991	38.30	Yes	--	--	28.80	Yes	--	--
12/11/1991	38.40	Yes	--	--	28.70	Yes	--	--
12/12/1991	38.40	Yes	--	--	28.70	Yes	--	--
12/13/1991	38.25	Yes	--	--	28.80	Yes	--	--
12/15/1991	38.20	Yes	--	--	28.75	Yes	--	--
12/17/1991	38.20	Yes	--	--	28.80	Yes	--	--
12/18/1991	38.00	Yes	--	--	28.80	Yes	--	--
12/19/1991	38.00	Yes	--	--	28.80	Yes	--	--

Date	Pumping Plant No. 3 (Weir No. 2) Recorded Stage Elevation				Pumping Plant No. 1 (Willow Slough Weir) Recorded Stage Elevation			
	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]
12/20/1991	38.10	Yes	--	--	28.30	Yes	--	--
12/23/1991	37.70	Yes	--	--	27.90	Yes	--	--
12/24/1991	37.80	Yes	--	--	28.00	Yes	--	--
12/26/1991	37.70	Yes	--	--	28.40	Yes	--	--
12/27/1991	37.70	Yes	--	--	28.30	Yes	--	--
12/28/1991	--	--	--	--	28.60	Yes	--	--
12/30/1991	37.60	Yes	--	--	28.00	Yes	--	--
12/31/1991	37.70	Yes	--	--	27.70	Yes	--	--
1/2/1992	37.50	Yes	--	--	27.80	Yes	--	--
1/3/1992	37.60	Yes	--	--	28.00	Yes	--	--
1/6/1992	37.80	Yes	--	--	28.90	Yes	--	--
1/7/1992	38.00	Yes	--	--	27.80	Yes	--	--
1/8/1992	37.80	Yes	--	--	28.20	Yes	--	--
1/9/1992	37.80	Yes	--	--	28.10	Yes	--	--
1/13/1992	37.50	Yes	--	--	27.80	Yes	--	--
1/14/1992	37.60	Yes	--	--	28.70	Yes	--	--
1/15/1992	37.80	Yes	--	--	28.80	Yes	--	--
1/16/1992	37.80	Yes	--	--	28.60	Yes	--	--
1/17/1992	37.90	Yes	--	--	28.30	Yes	--	--
1/21/1992	37.40	Yes	--	--	28.00	Yes	--	--
1/23/1992	37.50	Yes	--	--	28.10	Yes	--	--
1/24/1992	37.50	Yes	--	--	28.00	Yes	--	--
1/27/1992	37.60	Yes	--	--	27.80	Yes	--	--
1/28/1992	37.60	Yes	--	--	27.80	Yes	--	--
1/29/1992	37.40	Yes	--	--	27.70	Yes	--	--
1/30/1992	37.60	Yes	--	--	27.60	Yes	--	--
1/31/1992	37.60	Yes	--	--	28.00	Yes	--	--
2/3/1992	37.60	Yes	--	--	28.00	Yes	--	--
2/4/1992	37.60	Yes	--	--	28.00	Yes	--	--
2/5/1992	37.60	Yes	--	--	28.00	Yes	--	--
2/6/1992	37.60	Yes	--	--	28.00	Yes	--	--
2/7/1992	37.60	Yes	--	--	28.00	Yes	--	--
2/10/1992	37.60	Yes	--	--	27.90	Yes	--	--
2/11/1992	37.80	Yes	--	--	27.50	Yes	--	--
2/12/1992	37.60	Yes	--	--	28.60	Yes	--	--
2/13/1992	37.50	Yes	--	--	31.00	Yes	--	--
2/14/1992	38.10	Yes	--	--	32.90	Yes	--	--
2/18/1992	42.60	Yes	--	--	33.00	Yes	--	--
2/19/1992	41.70	Yes	--	--	32.80	Yes	--	--
2/20/1992	41.70	Yes	--	--	--	--	--	--
2/21/1992	41.50	Yes	--	--	32.90	Yes	--	--
2/24/1992	41.80	Yes	--	--	33.20	Yes	--	--
2/25/1992	41.30	Yes	--	--	32.80	Yes	--	--
2/26/1992	40.20	Yes	--	--	32.70	Yes	--	--
2/27/1992	38.20	Yes	--	--	32.20	Yes	--	--
2/28/1992	37.60	Yes	--	--	31.70	Yes	--	--
3/2/1992	37.50	Yes	--	--	29.50	Yes	--	--
3/3/1992	--	--	--	--	28.50	Yes	--	--
3/4/1992	37.70	Yes	--	--	29.30	Yes	--	--
3/5/1992	37.80	Yes	--	--	29.70	Yes	--	--
3/6/1992	--	--	--	--	30.80	Yes	--	--
3/7/1992	--	--	--	--	31.30	Yes	--	--
3/10/1992	37.70	Yes	--	--	30.80	Yes	--	--
3/11/1992	37.80	Yes	--	--	30.50	Yes	--	--
3/12/1992	37.60	Yes	--	--	29.90	Yes	--	--
3/13/1992	37.70	Yes	--	--	28.70	Yes	--	--
3/16/1992	38.20	Yes	--	--	28.50	Yes	--	--
3/17/1992	38.20	Yes	--	--	29.90	Yes	--	--
3/18/1992	37.80	Yes	--	--	31.40	Yes	--	--
3/19/1992	--	--	--	--	32.60	Yes	--	--
3/20/1992	--	--	--	--	32.20	Yes	--	--
3/21/1992	--	--	--	--	31.40	Yes	--	--
3/23/1992	37.40	Yes	--	--	31.00	Yes	--	--

Date	Pumping Plant No. 3 (Weir No. 2) Recorded Stage Elevation				Pumping Plant No. 1 (Willow Slough Weir) Recorded Stage Elevation			
	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]
3/24/1992	37.30	Yes	--	--	30.40	Yes	--	--
3/25/1992	--	--	--	--	29.65	Yes	--	--
3/26/1992	--	--	--	--	28.60	Yes	--	--
3/30/1992	37.10	Yes	--	--	25.60	Yes	--	--
3/31/1992	--	--	--	--	27.10	Yes	--	--
4/1/1992	37.60	Yes	--	--	27.60	Yes	--	--
4/2/1992	37.55	Yes	--	--	27.85	Yes	--	--
4/3/1992	37.75	Yes	--	--	27.80	Yes	--	--
4/6/1992	37.80	Yes	--	--	27.95	Yes	--	--
4/7/1992	38.10	Yes	--	--	28.40	Yes	--	--
4/8/1992	38.10	Yes	--	--	28.95	Yes	--	--
4/9/1992	--	--	--	--	29.00	Yes	--	--
4/10/1992	38.20	Yes	--	--	28.50	Yes	--	--
4/13/1992	38.30	Yes	--	--	27.70	Yes	--	--
4/14/1992	38.30	Yes	--	--	28.00	Yes	--	--
4/15/1992	38.40	Yes	--	--	28.20	Yes	--	--
10/1/1992	--	--	--	--	28.10	Yes	--	--
10/2/1992	37.70	Yes	--	--	27.30	Yes	--	--
10/3/1992	--	--	--	--	26.10	Yes	--	--
10/5/1992	37.80	Yes	--	--	26.80	Yes	--	--
10/6/1992	37.90	Yes	--	--	26.85	Yes	--	--
10/7/1992	38.00	Yes	--	--	26.90	Yes	--	--
10/9/1992	--	--	--	--	27.00	Yes	--	--
10/11/1992	38.70	Yes	--	--	--	--	--	--
10/14/1992	38.20	Yes	--	--	27.30	Yes	--	--
10/15/1992	38.20	Yes	--	--	27.10	Yes	--	--
10/16/1992	38.40	Yes	--	--	27.00	Yes	--	--
10/19/1992	38.30	Yes	--	--	27.40	Yes	--	--
10/20/1992	--	--	--	--	27.60	Yes	--	--
10/21/1992	38.30	Yes	--	--	--	--	--	--
10/22/1992	--	--	--	--	27.80	Yes	--	--
10/23/1992	38.30	Yes	--	--	27.90	Yes	--	--
10/26/1992	--	--	--	--	28.30	Yes	--	--
10/27/1992	--	--	--	--	28.50	Yes	--	--
10/28/1992	38.20	Yes	--	--	28.60	Yes	--	--
10/29/1992	--	--	--	--	28.90	Yes	--	--
10/30/1992	38.40	Yes	--	--	28.90	Yes	--	--
11/2/1992	38.30	Yes	--	--	28.70	Yes	--	--
11/3/1992	--	--	--	--	28.80	Yes	--	--
11/4/1992	38.30	Yes	--	--	28.60	Yes	--	--
11/5/1992	--	--	--	--	28.50	Yes	--	--
11/6/1992	--	--	--	--	28.40	Yes	--	--
11/10/1992	--	--	--	--	29.10	Yes	--	--
11/13/1992	38.10	Yes	--	--	27.80	Yes	--	--
11/16/1992	38.10	Yes	--	--	27.20	Yes	--	--
11/18/1992	--	--	--	--	28.00	Yes	--	--
11/19/1992	--	--	--	--	28.50	Yes	--	--
11/20/1992	38.30	Yes	--	--	28.70	Yes	--	--
11/23/1992	--	--	--	--	28.50	Yes	--	--
11/24/1992	38.40	Yes	--	--	28.50	Yes	--	--
11/25/1992	--	--	--	--	28.60	Yes	--	--
11/30/1992	38.40	Yes	--	--	28.60	Yes	--	--
12/1/1992	38.40	Yes	--	--	28.60	Yes	--	--
12/2/1992	--	--	--	--	28.40	Yes	--	--
12/4/1992	--	--	--	--	28.30	Yes	--	--
12/7/1992	38.20	Yes	--	--	28.40	Yes	--	--
12/8/1992	38.40	Yes	--	--	28.40	Yes	--	--
12/9/1992	38.50	Yes	--	--	29.00	Yes	--	--
12/10/1992	37.90	Yes	--	--	28.50	Yes	--	--
12/11/1992	--	--	--	--	29.40	Yes	--	--
12/12/1992	--	--	--	--	30.90	Yes	--	--
12/13/1992	--	--	--	--	31.00	Yes	--	--
12/14/1992	37.40	Yes	--	--	30.90	Yes	--	--

Date	Pumping Plant No. 3 (Weir No. 2) Recorded Stage Elevation				Pumping Plant No. 1 (Willow Slough Weir) Recorded Stage Elevation			
	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]
12/15/1992	37.80	Yes	--	--	30.10	Yes	--	--
12/16/1992	37.30	Yes	--	--	29.30	Yes	--	--
12/17/1992	--	--	--	--	28.20	Yes	--	--
12/18/1992	--	--	--	--	27.20	Yes	--	--
12/19/1992	--	--	--	--	27.00	Yes	--	--
12/22/1992	--	--	--	--	28.80	Yes	--	--
12/23/1992	--	--	--	--	28.70	Yes	--	--
12/24/1992	--	--	--	--	28.55	Yes	--	--
12/28/1992	37.30	Yes	--	--	28.20	Yes	--	--
12/29/1992	--	--	--	--	27.60	Yes	--	--
12/30/1992	37.00	Yes	--	--	27.50	Yes	--	--
12/31/1992	37.20	Yes	--	--	27.30	Yes	--	--
1/1/1993	37.60	Yes	--	--	--	--	--	--
1/2/1993	37.80	Yes	--	--	--	--	--	--
1/3/1993	37.50	Yes	--	--	--	--	--	--
1/4/1993	37.90	Yes	--	--	31.90	Yes	--	--
1/5/1993	--	--	--	--	31.40	Yes	--	--
1/6/1993	37.20	Yes	--	--	31.20	Yes	--	--
1/7/1993	38.80	Yes	--	--	31.50	Yes	--	--
1/8/1993	38.30	Yes	--	--	31.70	Yes	--	--
1/9/1993	38.60	Yes	--	--	32.20	Yes	--	--
1/10/1993	39.40	Yes	--	--	32.30	Yes	--	--
1/11/1993	39.80	Yes	--	--	32.20	Yes	--	--
1/15/1993	40.90	Yes	--	--	33.00	Yes	--	--
1/20/1993	42.70	Yes	--	--	34.70	Yes	--	--
1/21/1993	42.80	Yes	--	--	34.30	Yes	--	--
1/25/1993	46.50	Yes	--	--	38.50	Yes	--	--
1/26/1993	44.70	Yes	--	--	37.20	Yes	--	--
1/27/1993	43.45	Yes	--	--	35.70	Yes	--	--
1/28/1993	42.50	Yes	--	--	34.40	Yes	--	--
2/2/1993	37.60	Yes	--	--	31.60	Yes	--	--
2/3/1993	--	--	--	--	31.20	Yes	--	--
2/4/1993	--	--	--	--	30.80	Yes	--	--
2/5/1993	36.90	Yes	--	--	30.50	Yes	--	--
2/8/1993	--	--	--	--	29.80	Yes	--	--
2/9/1993	38.60	Yes	--	--	31.20	Yes	--	--
2/10/1993	38.40	Yes	--	--	32.20	Yes	--	--
2/11/1993	40.50	Yes	--	--	33.40	Yes	--	--
2/12/1993	41.40	Yes	--	--	33.90	Yes	--	--
2/13/1993	41.60	Yes	--	--	34.40	Yes	--	--
2/17/1993	40.00	Yes	--	--	32.40	Yes	--	--
2/19/1993	40.90	Yes	--	--	32.00	Yes	--	--
2/22/1993	45.60	Yes	--	--	37.90	Yes	--	--
2/23/1993	43.90	Yes	--	--	37.45	Yes	--	--
2/24/1993	--	--	--	--	36.90	Yes	--	--
2/25/1993	--	--	--	--	36.70	Yes	--	--
2/26/1993	43.90	Yes	--	--	36.00	Yes	--	--
3/1/1993	41.45	Yes	--	--	33.20	Yes	--	--
3/2/1993	40.50	Yes	--	--	32.70	Yes	--	--
3/3/1993	39.50	Yes	--	--	32.40	Yes	--	--
3/4/1993	38.50	Yes	--	--	32.00	Yes	--	--
3/5/1993	38.10	Yes	--	--	31.60	Yes	--	--
3/8/1993	38.20	Yes	--	--	30.90	Yes	--	--
3/9/1993	--	--	--	--	29.50	Yes	--	--
3/10/1993	37.80	Yes	--	--	30.30	Yes	--	--
3/11/1993	--	--	--	--	29.70	Yes	--	--
3/12/1993	--	--	--	--	29.10	Yes	--	--
3/15/1993	38.60	Yes	--	--	29.10	Yes	--	--
3/16/1993	37.50	Yes	--	--	29.70	Yes	--	--
3/17/1993	--	--	--	--	29.40	Yes	--	--
3/18/1993	--	--	--	--	29.00	Yes	--	--
3/19/1993	--	--	--	--	31.50	Yes	--	--
3/22/1993	43.90	Yes	--	--	36.10	Yes	--	--

Date	Pumping Plant No. 3 (Weir No. 2) Recorded Stage Elevation				Pumping Plant No. 1 (Willow Slough Weir) Recorded Stage Elevation			
	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]
3/23/1993	44.50	Yes	--	--	--	--	--	--
4/6/1993	40.30	Yes	--	--	34.50	Yes	--	--
4/7/1993	39.50	Yes	--	--	33.70	Yes	--	--
4/9/1993	38.10	Yes	--	--	32.40	Yes	--	--
4/12/1993	37.50	Yes	--	--	31.30	Yes	--	--
4/13/1993	37.50	Yes	--	--	31.00	Yes	--	--
4/14/1993	37.20	Yes	--	--	30.50	Yes	--	--
1/24/1994	--	--	--	--	29.75	Yes	--	--
1/25/1994	--	--	--	--	30.00	Yes	--	--
1/26/1994	--	--	--	--	30.00	Yes	--	--
1/27/1994	37.70	Yes	--	--	--	--	--	--
1/28/1994	37.50	Yes	--	--	--	--	--	--
1/31/1994	--	--	--	--	26.60	Yes	--	--
2/1/1994	37.40	Yes	--	--	27.40	Yes	--	--
2/2/1994	37.40	Yes	--	--	28.60	Yes	--	--
2/3/1994	37.30	Yes	--	--	29.35	Yes	--	--
2/4/1994	--	--	--	--	29.60	Yes	--	--
2/7/1994	38.00	Yes	--	--	29.90	Yes	--	--
2/8/1994	38.80	Yes	--	--	30.40	Yes	--	--
2/9/1994	37.10	Yes	--	--	30.90	Yes	--	--
2/12/1994	--	--	--	--	29.70	Yes	--	--
2/13/1994	--	--	--	--	29.50	Yes	--	--
2/14/1994	--	--	--	--	29.10	Yes	--	--
2/15/1994	37.70	Yes	--	--	28.70	Yes	--	--
2/16/1994	37.10	Yes	--	--	28.10	Yes	--	--
2/17/1994	37.10	Yes	--	--	27.00	Yes	--	--
2/18/1994	37.10	Yes	--	--	28.10	Yes	--	--
2/20/1994	--	--	--	--	29.60	Yes	--	--
2/22/1994	--	--	--	--	29.80	Yes	--	--
2/27/1994	--	--	--	--	27.00	Yes	--	--
2/28/1994	--	--	--	--	26.40	Yes	--	--
3/1/1994	37.30	Yes	--	--	26.20	Yes	--	--
3/2/1994	37.60	Yes	--	--	27.00	Yes	--	--
3/3/1994	--	--	--	--	27.00	Yes	--	--
3/4/1994	--	--	--	--	27.10	Yes	--	--
3/7/1994	37.70	Yes	--	--	27.10	Yes	--	--
3/8/1994	37.50	Yes	--	--	--	--	--	--
3/9/1994	--	--	--	--	26.60	Yes	--	--
3/10/1994	37.40	Yes	--	--	25.90	Yes	--	--
3/11/1994	38.00	Yes	--	--	27.10	Yes	--	--
3/15/1994	38.00	Yes	--	--	29.30	Yes	--	--
3/17/1994	38.20	Yes	--	--	29.00	Yes	--	--
3/18/1994	38.20	Yes	--	--	29.20	Yes	--	--
3/21/1994	38.00	Yes	--	--	29.80	Yes	--	--
3/24/1994	38.20	Yes	--	--	29.40	Yes	--	--
3/28/1994	37.70	Yes	--	--	29.00	Yes	--	--
3/30/1994	--	--	--	--	28.50	Yes	--	--
3/31/1994	--	--	--	--	28.60	Yes	--	--
4/1/1994	--	--	--	--	28.90	Yes	--	--
4/4/1994	38.10	Yes	--	--	29.80	Yes	--	--
4/6/1994	38.00	Yes	--	--	29.60	Yes	--	--
4/7/1994	38.00	Yes	--	--	29.50	Yes	--	--
4/11/1994	38.10	Yes	--	--	29.70	Yes	--	--
4/13/1994	38.00	Yes	--	--	29.50	Yes	--	--
4/14/1994	--	--	--	--	29.40	Yes	--	--
4/15/1994	38.00	Yes	--	--	29.30	Yes	--	--
10/3/1994	37.60	Yes	--	--	28.70	Yes	--	--
10/4/1994	37.80	Yes	--	--	28.70	Yes	--	--
10/5/1994	38.10	Yes	--	--	28.80	Yes	--	--
10/6/1994	38.20	Yes	--	--	28.80	Yes	--	--
10/7/1994	38.30	Yes	--	--	--	--	--	--
10/11/1994	38.20	Yes	--	--	28.80	Yes	--	--
10/12/1994	--	--	--	--	28.70	Yes	--	--

Date	Pumping Plant No. 3 (Weir No. 2) Recorded Stage Elevation				Pumping Plant No. 1 (Willow Slough Weir) Recorded Stage Elevation			
	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]
10/13/1994	--	--	--	--	28.60	Yes	--	--
10/14/1994	--	--	--	--	27.80	Yes	--	--
10/17/1994	38.00	Yes	--	--	27.70	Yes	--	--
10/18/1994	--	--	--	--	27.70	Yes	--	--
10/19/1994	--	--	--	--	27.60	Yes	--	--
10/20/1994	--	--	--	--	27.60	Yes	--	--
10/21/1994	38.50	Yes	--	--	27.80	Yes	--	--
10/24/1994	--	--	--	--	29.30	Yes	--	--
10/25/1994	38.40	Yes	--	--	29.60	Yes	--	--
10/26/1994	--	--	--	--	29.20	Yes	--	--
10/27/1994	38.40	Yes	--	--	29.20	Yes	--	--
10/31/1994	38.20	Yes	--	--	28.70	Yes	--	--
12/2/1994	38.60	Yes	--	--	--	--	--	--
12/4/1994	39.20	Yes	--	--	29.00	Yes	--	--
12/5/1994	--	--	--	--	30.60	Yes	--	--
12/6/1994	--	--	--	--	30.90	Yes	--	--
12/7/1994	--	--	--	--	30.40	Yes	--	--
12/8/1994	--	--	--	--	29.60	Yes	--	--
12/9/1994	--	--	--	--	29.00	Yes	--	--
12/12/1994	37.50	Yes	--	--	27.80	Yes	--	--
12/13/1994	37.70	Yes	--	--	29.00	Yes	--	--
12/14/1994	38.00	Yes	--	--	29.60	Yes	--	--
12/15/1994	--	--	--	--	29.70	Yes	--	--
12/16/1994	--	--	--	--	29.70	Yes	--	--
12/17/1994	--	--	--	--	29.70	Yes	--	--
12/19/1994	--	--	--	--	28.60	Yes	--	--
12/20/1994	--	--	--	--	28.00	Yes	--	--
12/21/1994	--	--	--	--	27.70	Yes	--	--
12/22/1994	--	--	--	--	27.10	Yes	--	--
12/27/1994	37.50	Yes	--	--	--	--	--	--
1/3/1995	38.10	Yes	--	--	29.10	Yes	--	--
1/4/1995	38.40	Yes	--	--	28.30	Yes	--	--
1/5/1995	37.90	Yes	--	--	29.50	Yes	--	--
1/6/1995	--	--	--	--	31.00	Yes	--	--
1/7/1995	38.10	Yes	--	--	31.20	Yes	--	--
1/8/1995	38.80	Yes	--	--	--	--	--	--
1/9/1995	42.60	Yes	--	--	34.10	Yes	--	--
1/10/1995	46.40	Yes	--	--	38.90	Yes	--	--
1/11/1995	53.90	Yes	--	--	43.10	Yes	--	--
1/12/1995	54.00	Yes	--	--	43.50	Yes	--	--
1/13/1995	52.60	Yes	--	--	42.80	Yes	--	--
1/14/1995	51.30	Yes	--	--	42.00	Yes	--	--
1/15/1995	51.40	Yes	--	--	41.80	Yes	--	--
1/16/1995	51.40	Yes	--	--	41.90	Yes	--	--
1/17/1995	50.30	Yes	--	--	41.30	Yes	--	--
1/18/1995	48.80	Yes	--	--	40.30	Yes	--	--
1/19/1995	47.10	Yes	--	--	39.30	Yes	--	--
1/20/1995	46.00	Yes	--	--	38.40	Yes	--	--
1/21/1995	45.70	Yes	--	--	38.00	Yes	--	--
1/22/1995	45.00	Yes	--	--	37.80	Yes	--	--
1/23/1995	44.90	Yes	--	--	37.60	Yes	--	--
1/24/1995	45.60	Yes	--	--	37.90	Yes	--	--
1/25/1995	47.20	Yes	--	--	39.10	Yes	--	--
1/26/1995	48.10	Yes	--	--	39.70	Yes	--	--
1/27/1995	48.00	Yes	--	--	39.60	Yes	--	--
1/28/1995	47.30	Yes	--	--	39.40	Yes	--	--
1/29/1995	46.90	Yes	--	--	39.20	Yes	--	--
1/30/1995	47.40	Yes	--	--	39.40	Yes	--	--
2/1/1995	47.70	Yes	--	--	39.60	Yes	--	--
2/2/1995	48.10	Yes	--	--	39.70	Yes	--	--
2/3/1995	48.70	Yes	--	--	40.10	Yes	--	--
2/4/1995	49.10	Yes	--	--	40.30	Yes	--	--
2/5/1995	48.30	Yes	--	--	40.00	Yes	--	--

Date	Pumping Plant No. 3 (Weir No. 2) Recorded Stage Elevation				Pumping Plant No. 1 (Willow Slough Weir) Recorded Stage Elevation			
	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]
2/6/1995	47.40	Yes	--	--	39.30	Yes	--	--
2/7/1995	46.60	Yes	--	--	39.00	Yes	--	--
2/8/1995	45.80	Yes	--	--	38.40	Yes	--	--
2/9/1995	45.20	Yes	--	--	38.00	Yes	--	--
2/10/1995	44.80	Yes	--	--	37.60	Yes	--	--
2/11/1995	44.20	Yes	--	--	37.20	Yes	--	--
2/12/1995	43.50	Yes	--	--	36.50	Yes	--	--
2/13/1995	42.80	Yes	--	--	35.90	Yes	--	--
2/14/1995	42.20	Yes	--	--	35.20	Yes	--	--
2/15/1995	41.40	Yes	--	--	34.90	Yes	--	--
2/16/1995	40.80	Yes	--	--	34.10	Yes	--	--
2/17/1995	40.00	Yes	--	--	33.40	Yes	--	--
2/18/1995	39.40	Yes	--	--	32.80	Yes	--	--
2/19/1995	39.00	Yes	--	--	32.40	Yes	--	--
2/20/1995	38.10	Yes	--	--	32.00	Yes	--	--
2/21/1995	--	--	--	--	31.60	Yes	--	--
2/22/1995	37.20	Yes	--	--	31.20	Yes	--	--
2/23/1995	--	--	--	--	30.90	Yes	--	--
2/24/1995	--	--	--	--	30.40	Yes	--	--
2/25/1995	--	--	--	--	29.50	Yes	--	--
2/26/1995	--	--	--	--	29.10	Yes	--	--
2/26/1995	--	--	--	--	29.00	Yes	--	--
2/27/1995	38.20	Yes	--	--	28.70	Yes	--	--
2/28/1995	38.20	Yes	--	--	28.40	Yes	--	--
3/1/1995	38.20	Yes	--	--	27.80	Yes	--	--
3/2/1995	38.00	Yes	--	--	28.50	Yes	--	--
3/3/1995	38.00	Yes	--	--	28.60	Yes	--	--
3/6/1995	38.30	Yes	--	--	29.20	Yes	--	--
3/8/1995	38.20	Yes	--	--	29.10	Yes	--	--
3/9/1995	39.00	Yes	--	--	29.50	Yes	--	--
3/10/1995	40.40	Yes	--	--	32.60	Yes	--	--
3/11/1995	48.00	Yes	--	--	39.50	Yes	--	--
3/12/1995	51.60	Yes	--	--	42.90	Yes	--	--
3/13/1995	52.20	Yes	--	--	43.50	Yes	--	--
3/14/1995	51.70	Yes	--	--	43.20	Yes	--	--
3/15/1995	51.50	Yes	--	--	43.10	Yes	--	--
3/16/1995	52.10	Yes	--	--	43.20	Yes	--	--
3/17/1995	52.40	Yes	--	--	43.10	Yes	--	--
3/18/1995	51.60	Yes	--	--	42.40	Yes	--	--
3/19/1995	51.10	Yes	--	--	42.00	Yes	--	--
3/20/1995	50.40	Yes	--	--	41.50	Yes	--	--
3/21/1995	50.00	Yes	--	--	41.20	Yes	--	--
3/22/1995	49.80	Yes	--	--	41.20	Yes	--	--
3/23/1995	49.60	Yes	--	--	41.20	Yes	--	--
3/24/1995	49.40	Yes	--	--	41.00	Yes	--	--
3/25/1995	49.10	Yes	--	--	40.60	Yes	--	--
3/26/1995	48.40	Yes	--	--	40.10	Yes	--	--
3/27/1995	47.50	Yes	--	--	39.70	Yes	--	--
3/28/1995	46.30	Yes	--	--	38.80	Yes	--	--
3/29/1995	45.40	Yes	--	--	38.10	Yes	--	--
3/30/1995	44.50	Yes	--	--	37.40	Yes	--	--
3/31/1995	43.70	Yes	--	--	36.70	Yes	--	--
4/2/1995	42.50	Yes	--	--	35.50	Yes	--	--
4/3/1995	41.60	Yes	--	--	35.00	Yes	--	--
4/4/1995	40.70	Yes	--	--	34.60	Yes	--	--
4/5/1995	40.00	Yes	--	--	34.30	Yes	--	--
4/6/1995	39.20	Yes	--	--	33.20	Yes	--	--
4/7/1995	38.80	Yes	--	--	32.80	Yes	--	--
4/8/1995	38.50	Yes	--	--	32.50	Yes	--	--
4/9/1995	38.50	Yes	--	--	33.50	Yes	--	--
4/10/1995	39.90	Yes	--	--	34.70	Yes	--	--
4/11/1995	--	--	--	--	35.20	Yes	--	--
4/12/1995	42.00	Yes	--	--	35.40	Yes	--	--

Date	Pumping Plant No. 3 (Weir No. 2) Recorded Stage Elevation				Pumping Plant No. 1 (Willow Slough Weir) Recorded Stage Elevation			
	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]
4/13/1995	--	--	--	--	35.40	Yes	--	--
4/14/1995	--	--	--	--	35.60	Yes	--	--
4/15/1995	--	--	--	--	35.90	Yes	--	--
10/2/1995	38.20	Yes	--	--	27.80	Yes	--	--
10/3/1995	38.50	Yes	--	--	28.80	Yes	--	--
10/5/1995	--	--	--	--	29.80	Yes	--	--
10/16/1995	--	--	--	--	29.10	Yes	--	--
10/23/1995	38.30	Yes	--	--	--	--	--	--
12/5/1995	38.80	Yes	--	--	29.40	Yes	--	--
12/11/1995	38.90	Yes	--	--	29.10	Yes	--	--
12/12/1995	38.40	Yes	--	--	--	--	--	--
12/26/1995	--	--	--	--	29.30	Yes	--	--
12/27/1995	38.70	Yes	--	--	28.00	Yes	--	--
12/28/1995	38.50	Yes	--	--	27.10	Yes	--	--
12/29/1995	--	--	--	--	28.00	Yes	--	--
12/31/1995	--	--	--	--	29.50	Yes	--	--
1/2/1996	38.70	Yes	--	--	29.30	Yes	--	--
1/3/1996	38.60	Yes	--	--	29.10	Yes	--	--
1/5/1996	38.30	Yes	--	--	28.20	Yes	--	--
1/8/1996	--	--	--	--	29.80	Yes	--	--
1/16/1996	38.50	Yes	--	--	28.70	Yes	--	--
1/17/1996	38.80	Yes	--	--	28.70	Yes	--	--
1/18/1996	--	--	--	--	32.10	Yes	--	--
1/19/1996	39.00	Yes	--	--	32.70	Yes	--	--
1/20/1996	41.00	Yes	--	--	34.00	Yes	--	--
1/21/1996	41.80	Yes	--	--	34.30	Yes	--	--
2/2/1996	40.60	Yes	--	--	--	--	--	--
2/3/1996	40.20	Yes	--	--	34.80	Yes	--	--
2/4/1996	40.30	Yes	--	--	--	--	--	--
2/5/1996	41.10	Yes	--	--	--	--	--	--
2/6/1996	42.00	Yes	--	--	35.90	Yes	--	--
2/7/1996	46.20	Yes	--	--	--	--	--	--
2/9/1996	45.30	Yes	--	--	37.80	Yes	--	--
2/12/1996	42.60	Yes	--	--	--	--	--	--
2/15/1996	40.90	Yes	--	--	--	--	--	--
2/17/1996	--	--	--	--	35.50	Yes	--	--
2/18/1996	42.80	Yes	--	--	--	--	--	--
2/19/1996	42.80	Yes	--	--	--	--	--	--
2/21/1996	44.00	Yes	--	--	--	--	--	--
2/26/1996	47.20	Yes	--	--	--	--	--	--
2/27/1996	--	--	--	--	38.20	Yes	--	--
3/1/1996	46.05	Yes	--	--	38.40	Yes	--	--
3/4/1996	45.40	Yes	--	--	38.10	Yes	--	--
3/9/1996	43.70	Yes	--	--	36.60	Yes	--	--
3/16/1996	42.60	Yes	--	--	35.70	Yes	--	--
3/20/1996	38.10	Yes	--	--	32.90	Yes	--	--
4/1/1996	38.80	Yes	--	--	29.10	Yes	--	--
4/2/1996	39.50	Yes	--	--	31.00	Yes	--	--
4/3/1996	39.10	Yes	--	--	31.00	Yes	--	--
4/4/1996	38.90	Yes	--	--	30.80	Yes	--	--
4/5/1996	38.60	Yes	--	--	30.50	Yes	--	--
4/6/1996	38.40	Yes	--	--	30.00	Yes	--	--
4/7/1996	--	--	--	--	29.60	Yes	--	--
4/10/1996	38.10	Yes	--	--	28.40	Yes	--	--
4/11/1996	--	--	--	--	28.80	Yes	--	--
4/15/1996	37.80	Yes	--	--	--	--	--	--

Note:
1. “Above Criteria” refers to WSEL higher than the desired operation range and does not infer actual flooding in the Sutter Bypass or overtopping of the west bank of the EBC.

APPENDIX II - RECORDED STAGE ELEVATION
(STAGE ELEVATION DURING NON-FLOOD REASON)

Date	Pumping Plant No. 3 (Weir No. 2) Recorded Stage Elevation				Pumping Plant No. 1 (Willow Slough Weir) Recorded Stage Elevation			
	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]
4/16/1990	38.35	No	Critically Dry	Yes	28.87	No	Critically Dry	Yes
4/17/1990	38.28	No	Critically Dry	Yes	28.60	No	Critically Dry	Yes
4/18/1990	38.20	No	Critically Dry	Yes	28.60	No	Critically Dry	Yes
4/19/1990	38.20	No	Critically Dry	Yes	28.40	No	Critically Dry	Yes
4/20/1990	38.10	No	Critically Dry	Yes	28.30	No	Critically Dry	Yes
4/23/1990	38.05	No	Critically Dry	Yes	28.15	No	Critically Dry	Yes
4/24/1990	38.10	No	Critically Dry	Yes	28.30	No	Critically Dry	Yes
4/25/1990	38.15	No	Critically Dry	Yes	28.50	No	Critically Dry	Yes
4/26/1990	38.10	No	Critically Dry	Yes	28.50	No	Critically Dry	Yes
4/27/1990	38.10	No	Critically Dry	Yes	28.40	No	Critically Dry	Yes
4/30/1990	38.10	No	Critically Dry	Yes	28.60	No	Critically Dry	Yes
5/1/1990	38.10	No	Critically Dry	Yes	29.10	No	Critically Dry	Yes
5/2/1990	37.90	No	Critically Dry	Yes	29.30	No	Critically Dry	Yes
5/3/1990	37.70	No	Critically Dry	Yes	28.70	No	Critically Dry	Yes
5/4/1990	37.60	No	Critically Dry	Yes	28.60	No	Critically Dry	Yes
5/7/1990	37.90	No	Critically Dry	Yes	28.30	No	Critically Dry	Yes
5/8/1990	37.90	No	Critically Dry	Yes	28.35	No	Critically Dry	Yes
5/9/1990	37.70	No	Critically Dry	Yes	28.30	No	Critically Dry	Yes
5/10/1990	37.60	No	Critically Dry	Yes	28.02	No	Critically Dry	Yes
5/11/1990	37.60	No	Critically Dry	Yes	27.75	No	Critically Dry	Yes
5/14/1990	38.30	No	Critically Dry	Yes	28.55	No	Critically Dry	Yes
5/15/1990	38.20	No	Critically Dry	Yes	29.40	No	Critically Dry	Yes
5/16/1990	38.20	No	Critically Dry	Yes	29.40	No	Critically Dry	Yes
5/17/1990	38.25	No	Critically Dry	Yes	29.50	No	Critically Dry	Yes
5/18/1990	38.30	No	Critically Dry	Yes	29.40	No	Critically Dry	Yes
5/20/1990	38.40	No	Critically Dry	Yes	29.60	No	Critically Dry	Above Criteria
5/21/1990	--	--	--	--	28.80	No	Critically Dry	Yes
5/22/1990	38.40	No	Critically Dry	Yes	28.87	No	Critically Dry	Yes
5/23/1990	38.30	No	Critically Dry	Yes	29.10	No	Critically Dry	Yes
5/24/1990	38.30	No	Critically Dry	Yes	29.15	No	Critically Dry	Yes
5/25/1990	38.20	No	Critically Dry	Yes	28.90	No	Critically Dry	Yes
5/29/1990	38.30	No	Critically Dry	Yes	30.40	No	Critically Dry	Above Criteria
5/30/1990	38.25	No	Critically Dry	Yes	30.90	No	Critically Dry	Above Criteria
5/31/1990	38.25	No	Critically Dry	Yes	30.90	No	Critically Dry	Above Criteria
6/1/1990	38.20	No	Critically Dry	Yes	30.60	No	Critically Dry	Above Criteria
6/2/1990	--	--	--	--	30.50	No	Critically Dry	Above Criteria
6/3/1990	--	--	--	--	29.20	No	Critically Dry	Yes
6/4/1990	37.80	No	Critically Dry	Yes	27.00	No	Critically Dry	Below Criteria
6/5/1990	38.10	No	Critically Dry	Yes	29.00	No	Critically Dry	Yes
6/6/1990	38.10	No	Critically Dry	Yes	28.80	No	Critically Dry	Yes
6/7/1990	38.30	No	Critically Dry	Yes	29.10	No	Critically Dry	Yes
6/8/1990	38.30	No	Critically Dry	Yes	28.90	No	Critically Dry	Yes
6/11/1990	37.85	No	Critically Dry	Yes	28.45	No	Critically Dry	Yes
6/12/1990	38.10	No	Critically Dry	Yes	28.40	No	Critically Dry	Yes
6/13/1990	38.20	No	Critically Dry	Yes	28.40	No	Critically Dry	Yes
6/14/1990	38.10	No	Critically Dry	Yes	28.50	No	Critically Dry	Yes
6/15/1990	38.20	No	Critically Dry	Yes	28.60	No	Critically Dry	Yes
6/18/1990	38.30	No	Critically Dry	Yes	29.40	No	Critically Dry	Yes
6/19/1990	38.30	No	Critically Dry	Yes	29.00	No	Critically Dry	Yes
6/20/1990	38.20	No	Critically Dry	Yes	28.70	No	Critically Dry	Yes
6/21/1990	38.20	No	Critically Dry	Yes	28.50	No	Critically Dry	Yes
6/22/1990	38.20	No	Critically Dry	Yes	28.60	No	Critically Dry	Yes
6/25/1990	38.20	No	Critically Dry	Yes	28.90	No	Critically Dry	Yes
6/26/1990	38.20	No	Critically Dry	Yes	28.60	No	Critically Dry	Yes
6/27/1990	38.10	No	Critically Dry	Yes	28.27	No	Critically Dry	Yes
6/28/1990	38.20	No	Critically Dry	Yes	28.40	No	Critically Dry	Yes
6/29/1990	--	--	--	--	28.45	No	Critically Dry	Yes
7/2/1990	38.40	No	Critically Dry	Yes	28.85	No	Critically Dry	Yes
7/3/1990	38.20	No	Critically Dry	Yes	28.35	No	Critically Dry	Yes
7/5/1990	38.10	No	Critically Dry	Yes	28.35	No	Critically Dry	Yes

Date	Pumping Plant No. 3 (Weir No. 2) Recorded Stage Elevation				Pumping Plant No. 1 (Willow Slough Weir) Recorded Stage Elevation			
	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]
7/6/1990	38.10	No	Critically Dry	Yes	28.30	No	Critically Dry	Yes
7/9/1990	38.10	No	Critically Dry	Yes	29.10	No	Critically Dry	Yes
7/10/1990	38.20	No	Critically Dry	Yes	29.30	No	Critically Dry	Yes
7/11/1990	38.20	No	Critically Dry	Yes	29.20	No	Critically Dry	Yes
7/12/1990	38.20	No	Critically Dry	Yes	29.35	No	Critically Dry	Yes
7/13/1990	38.30	No	Critically Dry	Yes	29.20	No	Critically Dry	Yes
7/16/1990	38.30	No	Critically Dry	Yes	29.20	No	Critically Dry	Yes
7/17/1990	38.30	No	Critically Dry	Yes	28.80	No	Critically Dry	Yes
7/18/1990	38.30	No	Critically Dry	Yes	28.55	No	Critically Dry	Yes
7/19/1990	38.20	No	Critically Dry	Yes	28.70	No	Critically Dry	Yes
7/20/1990	--	--	--	--	28.80	No	Critically Dry	Yes
7/23/1990	38.20	No	Critically Dry	Yes	29.00	No	Critically Dry	Yes
7/24/1990	38.30	No	Critically Dry	Yes	29.10	No	Critically Dry	Yes
7/25/1990	38.30	No	Critically Dry	Yes	29.20	No	Critically Dry	Yes
7/26/1990	38.40	No	Critically Dry	Yes	29.20	No	Critically Dry	Yes
7/27/1990	38.40	No	Critically Dry	Yes	29.10	No	Critically Dry	Yes
7/30/1990	38.30	No	Critically Dry	Yes	28.90	No	Critically Dry	Yes
7/31/1990	38.20	No	Critically Dry	Yes	28.95	No	Critically Dry	Yes
8/1/1990	38.30	No	Critically Dry	Yes	28.88	No	Critically Dry	Yes
8/2/1990	38.28	No	Critically Dry	Yes	28.88	No	Critically Dry	Yes
8/6/1990	38.10	No	Critically Dry	Yes	28.50	No	Critically Dry	Yes
8/7/1990	38.20	No	Critically Dry	Yes	28.30	No	Critically Dry	Yes
8/9/1990	38.35	No	Critically Dry	Yes	29.25	No	Critically Dry	Yes
8/10/1990	38.30	No	Critically Dry	Yes	29.00	No	Critically Dry	Yes
8/13/1990	38.35	No	Critically Dry	Yes	28.80	No	Critically Dry	Yes
8/15/1990	38.35	No	Critically Dry	Yes	28.90	No	Critically Dry	Yes
8/16/1990	38.30	No	Critically Dry	Yes	28.55	No	Critically Dry	Yes
8/17/1990	38.30	No	Critically Dry	Yes	28.50	No	Critically Dry	Yes
8/20/1990	38.30	No	Critically Dry	Yes	28.35	No	Critically Dry	Yes
8/21/1990	38.30	No	Critically Dry	Yes	28.30	No	Critically Dry	Yes
8/22/1990	38.30	No	Critically Dry	Yes	28.40	No	Critically Dry	Yes
8/23/1990	38.20	No	Critically Dry	Yes	28.30	No	Critically Dry	Yes
8/24/1990	38.10	No	Critically Dry	Yes	28.15	No	Critically Dry	Yes
8/27/1990	38.30	No	Critically Dry	Yes	28.05	No	Critically Dry	Yes
8/28/1990	38.10	No	Critically Dry	Yes	28.20	No	Critically Dry	Yes
8/30/1990	38.20	No	Critically Dry	Yes	27.50	No	Critically Dry	Yes
8/31/1990	38.30	No	Critically Dry	Yes	28.00	No	Critically Dry	Yes
9/4/1990	--	--	--	--	28.00	No	Critically Dry	Yes
9/5/1990	--	--	--	--	27.70	No	Critically Dry	Yes
9/6/1990	--	--	--	--	28.30	No	Critically Dry	Yes
9/7/1990	38.30	No	Critically Dry	Yes	28.25	No	Critically Dry	Yes
9/11/1990	38.40	No	Critically Dry	Yes	27.65	No	Critically Dry	Yes
9/12/1990	38.10	No	Critically Dry	Yes	28.00	No	Critically Dry	Yes
9/13/1990	38.20	No	Critically Dry	Yes	27.90	No	Critically Dry	Yes
9/14/1990	38.30	No	Critically Dry	Yes	27.60	No	Critically Dry	Yes
9/17/1990	38.20	No	Critically Dry	Yes	27.66	No	Critically Dry	Yes
9/18/1990	38.20	No	Critically Dry	Yes	27.40	No	Critically Dry	Below Criteria
9/19/1990	38.00	No	Critically Dry	Yes	27.40	No	Critically Dry	Below Criteria
9/20/1990	38.00	No	Critically Dry	Yes	27.00	No	Critically Dry	Below Criteria
9/21/1990	38.00	No	Critically Dry	Yes	26.50	No	Critically Dry	Below Criteria
9/23/1990	--	--	--	--	26.60	No	Critically Dry	Below Criteria
9/24/1990	38.00	No	Critically Dry	Yes	26.60	No	Critically Dry	Below Criteria
9/25/1990	38.00	No	Critically Dry	Yes	26.60	No	Critically Dry	Below Criteria
9/27/1990	38.10	No	Critically Dry	Yes	26.75	No	Critically Dry	Below Criteria
9/28/1990	38.10	No	Critically Dry	Yes	27.15	No	Critically Dry	Below Criteria
4/16/1991	37.70	No	Critically Dry	Yes	--	--	--	--
4/17/1991	37.80	No	Critically Dry	Yes	--	--	--	--
4/18/1991	37.90	No	Critically Dry	Yes	--	--	--	--
4/19/1991	37.90	No	Critically Dry	Yes	25.90	No	Critically Dry	Below Criteria
4/22/1991	37.90	No	Critically Dry	Yes	27.20	No	Critically Dry	Below Criteria
4/23/1991	37.80	No	Critically Dry	Yes	27.70	No	Critically Dry	Yes
4/24/1991	37.90	No	Critically Dry	Yes	27.70	No	Critically Dry	Yes
4/25/1991	37.60	No	Critically Dry	Yes	28.10	No	Critically Dry	Yes

Date	Pumping Plant No. 3 (Weir No. 2) Recorded Stage Elevation				Pumping Plant No. 1 (Willow Slough Weir) Recorded Stage Elevation			
	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]
4/26/1991	37.60	No	Critically Dry	Yes	28.60	No	Critically Dry	Yes
4/29/1991	37.90	No	Critically Dry	Yes	28.80	No	Critically Dry	Yes
4/30/1991	37.80	No	Critically Dry	Yes	28.70	No	Critically Dry	Yes
5/1/1991	37.70	No	Critically Dry	Yes	28.75	No	Critically Dry	Yes
5/2/1991	--	--	--	--	28.60	No	Critically Dry	Yes
5/3/1991	37.70	No	Critically Dry	Yes	28.70	No	Critically Dry	Yes
5/6/1991	38.20	No	Critically Dry	Yes	28.50	No	Critically Dry	Yes
5/7/1991	38.20	No	Critically Dry	Yes	28.30	No	Critically Dry	Yes
5/8/1991	38.20	No	Critically Dry	Yes	28.30	No	Critically Dry	Yes
5/9/1991	38.10	No	Critically Dry	Yes	28.20	No	Critically Dry	Yes
5/10/1991	38.20	No	Critically Dry	Yes	28.20	No	Critically Dry	Yes
5/13/1991	38.20	No	Critically Dry	Yes	27.80	No	Critically Dry	Yes
5/14/1991	38.40	No	Critically Dry	Yes	28.30	No	Critically Dry	Yes
5/15/1991	38.35	No	Critically Dry	Yes	29.00	No	Critically Dry	Yes
5/16/1991	38.25	No	Critically Dry	Yes	28.90	No	Critically Dry	Yes
5/17/1991	38.20	No	Critically Dry	Yes	28.80	No	Critically Dry	Yes
5/18/1991	--	--	--	--	28.50	No	Critically Dry	Yes
5/19/1991	--	--	--	--	28.80	No	Critically Dry	Yes
5/20/1991	38.20	No	Critically Dry	Yes	28.20	No	Critically Dry	Yes
5/21/1991	38.20	No	Critically Dry	Yes	28.60	No	Critically Dry	Yes
5/22/1991	38.10	No	Critically Dry	Yes	28.30	No	Critically Dry	Yes
5/23/1991	37.95	No	Critically Dry	Yes	28.50	No	Critically Dry	Yes
5/24/1991	37.80	No	Critically Dry	Yes	28.60	No	Critically Dry	Yes
5/26/1991	--	--	--	--	29.30	No	Critically Dry	Yes
5/27/1991	--	--	--	--	28.10	No	Critically Dry	Yes
5/28/1991	38.15	No	Critically Dry	Yes	28.70	No	Critically Dry	Yes
5/29/1991	38.05	No	Critically Dry	Yes	28.25	No	Critically Dry	Yes
5/30/1991	38.00	No	Critically Dry	Yes	28.75	No	Critically Dry	Yes
5/31/1991	38.30	No	Critically Dry	Yes	29.00	No	Critically Dry	Yes
6/3/1991	38.05	No	Critically Dry	Yes	28.50	No	Critically Dry	Yes
6/4/1991	37.90	No	Critically Dry	Yes	28.38	No	Critically Dry	Yes
6/5/1991	37.70	No	Critically Dry	Yes	28.50	No	Critically Dry	Yes
6/6/1991	37.60	No	Critically Dry	Yes	28.50	No	Critically Dry	Yes
6/7/1991	--	--	--	--	28.40	No	Critically Dry	Yes
6/10/1991	37.30	No	Critically Dry	Below Criteria	28.30	No	Critically Dry	Yes
6/11/1991	37.00	No	Critically Dry	Below Criteria	28.40	No	Critically Dry	Yes
6/12/1991	36.85	No	Critically Dry	Below Criteria	28.50	No	Critically Dry	Yes
6/13/1991	36.65	No	Critically Dry	Below Criteria	28.55	No	Critically Dry	Yes
6/14/1991	36.55	No	Critically Dry	Below Criteria	28.55	No	Critically Dry	Yes
6/17/1991	36.80	No	Critically Dry	Below Criteria	28.35	No	Critically Dry	Yes
6/18/1991	37.10	No	Critically Dry	Below Criteria	28.30	No	Critically Dry	Yes
6/19/1991	37.30	No	Critically Dry	Below Criteria	28.18	No	Critically Dry	Yes
6/20/1991	37.00	No	Critically Dry	Below Criteria	28.00	No	Critically Dry	Yes
6/21/1991	37.00	No	Critically Dry	Below Criteria	27.90	No	Critically Dry	Yes
6/24/1991	36.90	No	Critically Dry	Below Criteria	27.85	No	Critically Dry	Yes
6/25/1991	36.90	No	Critically Dry	Below Criteria	27.85	No	Critically Dry	Yes
6/26/1991	36.70	No	Critically Dry	Below Criteria	27.80	No	Critically Dry	Yes
6/27/1991	36.70	No	Critically Dry	Below Criteria	27.80	No	Critically Dry	Yes
6/28/1991	--	--	--	--	27.80	No	Critically Dry	Yes
7/1/1991	38.40	No	Critically Dry	Yes	28.90	No	Critically Dry	Yes
7/2/1991	38.20	No	Critically Dry	Yes	29.00	No	Critically Dry	Yes
7/3/1991	38.20	No	Critically Dry	Yes	28.50	No	Critically Dry	Yes
7/5/1991	38.10	No	Critically Dry	Yes	28.00	No	Critically Dry	Yes
7/8/1991	37.90	No	Critically Dry	Yes	27.30	No	Critically Dry	Below Criteria
7/9/1991	37.60	No	Critically Dry	Yes	27.10	No	Critically Dry	Below Criteria
7/10/1991	37.60	No	Critically Dry	Yes	27.00	No	Critically Dry	Below Criteria
7/11/1991	37.40	No	Critically Dry	Below Criteria	27.00	No	Critically Dry	Below Criteria
7/12/1991	37.20	No	Critically Dry	Below Criteria	26.90	No	Critically Dry	Below Criteria
7/15/1991	--	--	--	--	26.90	No	Critically Dry	Below Criteria
7/17/1991	36.80	No	Critically Dry	Below Criteria	26.70	No	Critically Dry	Below Criteria
7/18/1991	36.80	No	Critically Dry	Below Criteria	26.70	No	Critically Dry	Below Criteria
7/19/1991	36.80	No	Critically Dry	Below Criteria	26.60	No	Critically Dry	Below Criteria
7/22/1991	36.70	No	Critically Dry	Below Criteria	26.60	No	Critically Dry	Below Criteria

Date	Pumping Plant No. 3 (Weir No. 2) Recorded Stage Elevation				Pumping Plant No. 1 (Willow Slough Weir) Recorded Stage Elevation			
	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]
7/23/1991	36.60	No	Critically Dry	Below Criteria	26.60	No	Critically Dry	Below Criteria
7/24/1991	36.60	No	Critically Dry	Below Criteria	26.45	No	Critically Dry	Below Criteria
7/25/1991	36.60	No	Critically Dry	Below Criteria	26.40	No	Critically Dry	Below Criteria
7/26/1991	36.45	No	Critically Dry	Below Criteria	26.60	No	Critically Dry	Below Criteria
7/30/1991	36.40	No	Critically Dry	Below Criteria	26.80	No	Critically Dry	Below Criteria
7/31/1991	36.40	No	Critically Dry	Below Criteria	26.80	No	Critically Dry	Below Criteria
8/2/1991	36.60	No	Critically Dry	Below Criteria	26.80	No	Critically Dry	Below Criteria
8/5/1991	36.60	No	Critically Dry	Below Criteria	26.75	No	Critically Dry	Below Criteria
8/6/1991	36.60	No	Critically Dry	Below Criteria	26.75	No	Critically Dry	Below Criteria
8/7/1991	36.90	No	Critically Dry	Below Criteria	26.80	No	Critically Dry	Below Criteria
8/8/1991	37.00	No	Critically Dry	Below Criteria	26.80	No	Critically Dry	Below Criteria
8/9/1991	37.10	No	Critically Dry	Below Criteria	26.85	No	Critically Dry	Below Criteria
8/12/1991	36.90	No	Critically Dry	Below Criteria	27.40	No	Critically Dry	Below Criteria
8/13/1991	36.90	No	Critically Dry	Below Criteria	27.50	No	Critically Dry	Yes
8/14/1991	36.80	No	Critically Dry	Below Criteria	27.55	No	Critically Dry	Yes
8/15/1991	36.90	No	Critically Dry	Below Criteria	27.70	No	Critically Dry	Yes
8/16/1991	36.90	No	Critically Dry	Below Criteria	27.90	No	Critically Dry	Yes
8/19/1991	36.90	No	Critically Dry	Below Criteria	28.20	No	Critically Dry	Yes
8/20/1991	36.80	No	Critically Dry	Below Criteria	28.40	No	Critically Dry	Yes
8/21/1991	36.80	No	Critically Dry	Below Criteria	28.50	No	Critically Dry	Yes
8/22/1991	36.90	No	Critically Dry	Below Criteria	28.80	No	Critically Dry	Yes
8/23/1991	36.90	No	Critically Dry	Below Criteria	28.80	No	Critically Dry	Yes
8/26/1991	36.70	No	Critically Dry	Below Criteria	29.00	No	Critically Dry	Yes
8/27/1991	--	--	--	--	29.05	No	Critically Dry	Yes
8/28/1991	37.20	No	Critically Dry	Below Criteria	29.15	No	Critically Dry	Yes
8/29/1991	37.20	No	Critically Dry	Below Criteria	29.10	No	Critically Dry	Yes
8/30/1991	37.40	No	Critically Dry	Below Criteria	29.00	No	Critically Dry	Yes
9/3/1991	37.50	No	Critically Dry	Yes	28.90	No	Critically Dry	Yes
9/4/1991	37.50	No	Critically Dry	Yes	28.90	No	Critically Dry	Yes
9/5/1991	37.30	No	Critically Dry	Below Criteria	28.90	No	Critically Dry	Yes
9/6/1991	37.10	No	Critically Dry	Below Criteria	28.80	No	Critically Dry	Yes
9/9/1991	37.50	No	Critically Dry	Yes	28.75	No	Critically Dry	Yes
9/10/1991	37.50	No	Critically Dry	Yes	28.80	No	Critically Dry	Yes
9/11/1991	37.55	No	Critically Dry	Yes	28.90	No	Critically Dry	Yes
9/12/1991	--	--	--	--	28.80	No	Critically Dry	Yes
9/13/1991	37.90	No	Critically Dry	Yes	28.80	No	Critically Dry	Yes
9/16/1991	37.85	No	Critically Dry	Yes	28.80	No	Critically Dry	Yes
9/17/1991	38.00	No	Critically Dry	Yes	28.80	No	Critically Dry	Yes
9/18/1991	38.20	No	Critically Dry	Yes	28.70	No	Critically Dry	Yes
9/19/1991	38.30	No	Critically Dry	Yes	28.90	No	Critically Dry	Yes
9/20/1991	38.30	No	Critically Dry	Yes	28.90	No	Critically Dry	Yes
9/23/1991	38.00	No	Critically Dry	Yes	28.70	No	Critically Dry	Yes
9/24/1991	--	--	--	--	28.50	No	Critically Dry	Yes
9/25/1991	38.00	No	Critically Dry	Yes	28.60	No	Critically Dry	Yes
9/26/1991	38.00	No	Critically Dry	Yes	28.80	No	Critically Dry	Yes
9/27/1991	38.10	No	Critically Dry	Yes	28.90	No	Critically Dry	Yes
9/30/1991	38.00	No	Critically Dry	Yes	28.50	No	Critically Dry	Yes
4/16/1992	38.40	No	Critically Dry	Yes	28.50	No	Critically Dry	Yes
4/17/1992	38.30	No	Critically Dry	Yes	28.40	No	Critically Dry	Yes
4/20/1992	38.30	No	Critically Dry	Yes	28.20	No	Critically Dry	Yes
4/21/1992	38.20	No	Critically Dry	Yes	28.05	No	Critically Dry	Yes
4/22/1992	38.40	No	Critically Dry	Yes	27.90	No	Critically Dry	Yes
4/23/1992	38.30	No	Critically Dry	Yes	28.20	No	Critically Dry	Yes
4/24/1992	38.30	No	Critically Dry	Yes	28.40	No	Critically Dry	Yes
4/27/1992	38.20	No	Critically Dry	Yes	28.90	No	Critically Dry	Yes
4/28/1992	38.30	No	Critically Dry	Yes	29.00	No	Critically Dry	Yes
4/29/1992	38.40	No	Critically Dry	Yes	29.00	No	Critically Dry	Yes
4/30/1992	38.40	No	Critically Dry	Yes	29.25	No	Critically Dry	Yes
5/1/1992	38.20	No	Critically Dry	Yes	29.30	No	Critically Dry	Yes
5/4/1992	37.90	No	Critically Dry	Yes	29.20	No	Critically Dry	Yes
5/5/1992	37.70	No	Critically Dry	Yes	29.00	No	Critically Dry	Yes
5/7/1992	--	--	--	--	28.40	No	Critically Dry	Yes
5/8/1992	37.00	No	Critically Dry	Below Criteria	28.10	No	Critically Dry	Yes

Date	Pumping Plant No. 3 (Weir No. 2) Recorded Stage Elevation				Pumping Plant No. 1 (Willow Slough Weir) Recorded Stage Elevation			
	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]
5/11/1992	37.30	No	Critically Dry	Below Criteria	27.10	No	Critically Dry	Below Criteria
5/12/1992	37.10	No	Critically Dry	Below Criteria	26.80	No	Critically Dry	Below Criteria
5/13/1992	--	--	--	--	26.30	No	Critically Dry	Below Criteria
5/14/1992	--	--	--	--	26.00	No	Critically Dry	Below Criteria
5/15/1992	--	--	--	--	25.90	No	Critically Dry	Below Criteria
5/18/1992	36.70	No	Critically Dry	Below Criteria	25.70	No	Critically Dry	Below Criteria
5/19/1992	--	--	--	--	25.90	No	Critically Dry	Below Criteria
5/20/1992	36.00	No	Critically Dry	Below Criteria	25.80	No	Critically Dry	Below Criteria
5/22/1992	--	--	--	--	25.60	No	Critically Dry	Below Criteria
5/26/1992	35.90	No	Critically Dry	Below Criteria	25.50	No	Critically Dry	Below Criteria
5/27/1992	--	--	--	--	25.50	No	Critically Dry	Below Criteria
5/28/1992	--	--	--	--	25.40	No	Critically Dry	Below Criteria
5/29/1992	36.30	No	Critically Dry	Below Criteria	25.50	No	Critically Dry	Below Criteria
6/1/1992	37.10	No	Critically Dry	Below Criteria	25.30	No	Critically Dry	Below Criteria
6/2/1992	36.90	No	Critically Dry	Below Criteria	25.30	No	Critically Dry	Below Criteria
6/3/1992	--	--	--	--	25.30	No	Critically Dry	Below Criteria
6/4/1992	--	--	--	--	25.40	No	Critically Dry	Below Criteria
6/5/1992	36.50	No	Critically Dry	Below Criteria	25.40	No	Critically Dry	Below Criteria
6/8/1992	36.60	No	Critically Dry	Below Criteria	25.40	No	Critically Dry	Below Criteria
6/9/1992	36.75	No	Critically Dry	Below Criteria	25.30	No	Critically Dry	Below Criteria
6/10/1992	36.70	No	Critically Dry	Below Criteria	25.30	No	Critically Dry	Below Criteria
6/22/1992	--	--	--	--	25.10	No	Critically Dry	Below Criteria
6/24/1992	36.75	No	Critically Dry	Below Criteria	25.40	No	Critically Dry	Below Criteria
6/25/1992	--	--	--	--	25.40	No	Critically Dry	Below Criteria
6/26/1992	36.40	No	Critically Dry	Below Criteria	25.20	No	Critically Dry	Below Criteria
6/29/1992	--	--	--	--	25.10	No	Critically Dry	Below Criteria
6/30/1992	36.00	No	Critically Dry	Below Criteria	25.10	No	Critically Dry	Below Criteria
7/1/1992	36.50	No	Critically Dry	Below Criteria	25.20	No	Critically Dry	Below Criteria
7/2/1992	36.60	No	Critically Dry	Below Criteria	25.20	No	Critically Dry	Below Criteria
7/6/1992	--	--	--	--	25.10	No	Critically Dry	Below Criteria
7/7/1992	36.20	No	Critically Dry	Below Criteria	25.10	No	Critically Dry	Below Criteria
7/8/1992	--	--	--	--	25.10	No	Critically Dry	Below Criteria
7/9/1992	--	--	--	--	25.10	No	Critically Dry	Below Criteria
7/13/1992	36.10	No	Critically Dry	Below Criteria	--	--	--	--
7/14/1992	--	--	--	--	25.00	No	Critically Dry	Below Criteria
7/15/1992	36.10	No	Critically Dry	Below Criteria	25.00	No	Critically Dry	Below Criteria
7/16/1992	36.00	No	Critically Dry	Below Criteria	24.80	No	Critically Dry	Below Criteria
7/17/1992	36.00	No	Critically Dry	Below Criteria	24.80	No	Critically Dry	Below Criteria
7/20/1992	35.70	No	Critically Dry	Below Criteria	24.50	No	Critically Dry	Below Criteria
7/21/1992	--	--	--	--	24.50	No	Critically Dry	Below Criteria
7/22/1992	35.80	No	Critically Dry	Below Criteria	24.50	No	Critically Dry	Below Criteria
7/24/1992	--	--	--	--	24.50	No	Critically Dry	Below Criteria
7/27/1992	36.00	No	Critically Dry	Below Criteria	24.50	No	Critically Dry	Below Criteria
7/29/1992	36.20	No	Critically Dry	Below Criteria	24.45	No	Critically Dry	Below Criteria
7/30/1992	--	--	--	--	24.45	No	Critically Dry	Below Criteria
8/3/1992	36.70	No	Critically Dry	Below Criteria	24.20	No	Critically Dry	Below Criteria
8/4/1992	37.00	No	Critically Dry	Below Criteria	24.20	No	Critically Dry	Below Criteria
8/5/1992	36.90	No	Critically Dry	Below Criteria	24.20	No	Critically Dry	Below Criteria
8/6/1992	37.00	No	Critically Dry	Below Criteria	24.20	No	Critically Dry	Below Criteria
8/7/1992	37.10	No	Critically Dry	Below Criteria	24.20	No	Critically Dry	Below Criteria
8/10/1992	36.90	No	Critically Dry	Below Criteria	24.10	No	Critically Dry	Below Criteria
8/11/1992	36.90	No	Critically Dry	Below Criteria	24.10	No	Critically Dry	Below Criteria
8/12/1992	--	--	--	--	24.70	No	Critically Dry	Below Criteria
8/13/1992	36.50	No	Critically Dry	Below Criteria	25.30	No	Critically Dry	Below Criteria
8/14/1992	36.50	No	Critically Dry	Below Criteria	25.30	No	Critically Dry	Below Criteria
8/17/1992	36.25	No	Critically Dry	Below Criteria	26.10	No	Critically Dry	Below Criteria
8/18/1992	36.40	No	Critically Dry	Below Criteria	26.20	No	Critically Dry	Below Criteria
8/19/1992	--	--	--	--	26.35	No	Critically Dry	Below Criteria
8/20/1992	--	--	--	--	26.45	No	Critically Dry	Below Criteria
8/24/1992	36.20	No	Critically Dry	Below Criteria	26.40	No	Critically Dry	Below Criteria
8/25/1992	36.20	No	Critically Dry	Below Criteria	26.70	No	Critically Dry	Below Criteria
8/26/1992	37.90	No	Critically Dry	Yes	26.90	No	Critically Dry	Below Criteria
8/27/1992	--	--	--	--	27.40	No	Critically Dry	Below Criteria

Date	Pumping Plant No. 3 (Weir No. 2) Recorded Stage Elevation				Pumping Plant No. 1 (Willow Slough Weir) Recorded Stage Elevation			
	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]
8/28/1992	--	--	--	--	27.80	No	Critically Dry	Yes
8/31/1992	--	--	--	--	29.00	No	Critically Dry	Yes
9/1/1992	38.10	No	Critically Dry	Yes	29.30	No	Critically Dry	Yes
9/2/1992	38.30	No	Critically Dry	Yes	28.60	No	Critically Dry	Yes
9/3/1992	38.30	No	Critically Dry	Yes	27.40	No	Critically Dry	Below Criteria
9/4/1992	38.30	No	Critically Dry	Yes	27.50	No	Critically Dry	Yes
9/8/1992	38.40	No	Critically Dry	Yes	27.90	No	Critically Dry	Yes
9/9/1992	38.50	No	Critically Dry	Yes	28.40	No	Critically Dry	Yes
9/10/1992	--	--	--	--	28.70	No	Critically Dry	Yes
9/11/1992	37.90	No	Critically Dry	Yes	28.30	No	Critically Dry	Yes
9/14/1992	37.80	No	Critically Dry	Yes	26.90	No	Critically Dry	Below Criteria
9/15/1992	38.00	No	Critically Dry	Yes	27.40	No	Critically Dry	Below Criteria
9/17/1992	--	--	--	--	27.90	No	Critically Dry	Yes
9/18/1992	--	--	--	--	28.00	No	Critically Dry	Yes
9/21/1992	38.00	No	Critically Dry	Yes	27.70	No	Critically Dry	Yes
9/22/1992	37.80	No	Critically Dry	Yes	28.20	No	Critically Dry	Yes
9/23/1992	37.80	No	Critically Dry	Yes	28.50	No	Critically Dry	Yes
9/24/1992	38.00	No	Critically Dry	Yes	28.50	No	Critically Dry	Yes
9/25/1992	38.20	No	Critically Dry	Yes	29.00	No	Critically Dry	Yes
9/28/1992	38.00	No	Critically Dry	Yes	29.40	No	Critically Dry	Yes
9/29/1992	--	--	--	--	29.40	No	Critically Dry	Yes
9/30/1992	--	--	--	--	28.90	No	Critically Dry	Yes
4/16/1993	--	--	--	--	28.50	No	Above Normal	Yes
4/19/1993	38.30	No	Above Normal	Yes	28.90	No	Above Normal	Yes
4/20/1993	38.30	No	Above Normal	Yes	28.40	No	Above Normal	Yes
4/21/1993	--	--	--	--	29.70	No	Above Normal	Above Criteria
4/22/1993	37.90	No	Above Normal	Yes	29.85	No	Above Normal	Above Criteria
4/23/1993	37.80	No	Above Normal	Yes	29.40	No	Above Normal	Yes
4/26/1993	37.60	No	Above Normal	Yes	27.70	No	Above Normal	Yes
4/27/1993	--	--	--	--	27.00	No	Above Normal	Below Criteria
4/28/1993	--	--	--	--	27.10	No	Above Normal	Below Criteria
4/29/1993	37.90	No	Above Normal	Yes	29.20	No	Above Normal	Yes
4/30/1993	37.90	No	Above Normal	Yes	29.90	No	Above Normal	Above Criteria
5/3/1993	37.70	No	Above Normal	Yes	29.40	No	Above Normal	Yes
5/4/1993	37.70	No	Above Normal	Yes	29.00	No	Above Normal	Yes
5/5/1993	38.40	No	Above Normal	Yes	28.90	No	Above Normal	Yes
5/6/1993	--	--	--	--	28.70	No	Above Normal	Yes
5/7/1993	38.30	No	Above Normal	Yes	29.50	No	Above Normal	Yes
5/10/1993	38.40	No	Above Normal	Yes	30.10	No	Above Normal	Above Criteria
5/11/1993	38.40	No	Above Normal	Yes	30.20	No	Above Normal	Above Criteria
5/12/1993	38.30	No	Above Normal	Yes	30.20	No	Above Normal	Above Criteria
5/13/1993	38.20	No	Above Normal	Yes	29.60	No	Above Normal	Above Criteria
5/14/1993	38.30	No	Above Normal	Yes	29.10	No	Above Normal	Yes
5/16/1993	--	--	--	--	27.70	No	Above Normal	Yes
5/17/1993	38.00	No	Above Normal	Yes	27.70	No	Above Normal	Yes
5/18/1993	--	--	--	--	27.70	No	Above Normal	Yes
5/19/1993	37.90	No	Above Normal	Yes	27.60	No	Above Normal	Yes
5/20/1993	37.70	No	Above Normal	Yes	27.50	No	Above Normal	Yes
5/21/1993	37.70	No	Above Normal	Yes	27.40	No	Above Normal	Below Criteria
5/23/1993	--	--	--	--	26.80	No	Above Normal	Below Criteria
5/24/1993	--	--	--	--	26.60	No	Above Normal	Below Criteria
5/25/1993	--	--	--	--	26.90	No	Above Normal	Below Criteria
5/26/1993	--	--	--	--	29.40	No	Above Normal	Yes
5/27/1993	38.40	No	Above Normal	Yes	29.30	No	Above Normal	Yes
5/28/1993	--	--	--	--	29.20	No	Above Normal	Yes
6/1/1993	38.70	No	Above Normal	Yes	29.30	No	Above Normal	Yes
6/2/1993	28.20	No	Above Normal	Below Criteria	29.40	No	Above Normal	Yes
6/3/1993	38.10	No	Above Normal	Yes	29.60	No	Above Normal	Above Criteria
6/4/1993	37.90	No	Above Normal	Yes	30.00	No	Above Normal	Above Criteria
6/6/1993	--	--	--	--	30.80	No	Above Normal	Above Criteria
6/7/1993	--	--	--	--	30.90	No	Above Normal	Above Criteria
6/10/1993	38.10	No	Above Normal	Yes	30.40	No	Above Normal	Above Criteria
6/11/1993	38.00	No	Above Normal	Yes	30.30	No	Above Normal	Above Criteria

Date	Pumping Plant No. 3 (Weir No. 2) Recorded Stage Elevation				Pumping Plant No. 1 (Willow Slough Weir) Recorded Stage Elevation			
	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]
6/14/1993	--	--	--	--	26.80	No	Above Normal	Below Criteria
6/16/1993	37.50	No	Above Normal	Yes	28.60	No	Above Normal	Yes
6/17/1993	37.90	No	Above Normal	Yes	29.10	No	Above Normal	Yes
6/18/1993	38.00	No	Above Normal	Yes	29.40	No	Above Normal	Yes
6/21/1993	--	--	--	--	29.40	No	Above Normal	Yes
6/23/1993	37.40	No	Above Normal	Below Criteria	29.50	No	Above Normal	Yes
6/24/1993	37.70	No	Above Normal	Yes	29.50	No	Above Normal	Yes
6/25/1993	--	--	--	--	29.45	No	Above Normal	Yes
6/28/1993	38.40	No	Above Normal	Yes	29.90	No	Above Normal	Above Criteria
6/29/1993	38.30	No	Above Normal	Yes	29.80	No	Above Normal	Above Criteria
6/30/1993	38.40	No	Above Normal	Yes	29.80	No	Above Normal	Above Criteria
7/1/1993	38.50	No	Above Normal	Yes	30.00	No	Above Normal	Above Criteria
7/2/1993	38.50	No	Above Normal	Yes	30.00	No	Above Normal	Above Criteria
7/6/1993	38.70	No	Above Normal	Yes	29.60	No	Above Normal	Above Criteria
7/7/1993	38.50	No	Above Normal	Yes	29.80	No	Above Normal	Above Criteria
7/8/1993	38.60	No	Above Normal	Yes	29.80	No	Above Normal	Above Criteria
7/9/1993	38.60	No	Above Normal	Yes	29.70	No	Above Normal	Above Criteria
7/12/1993	38.70	No	Above Normal	Yes	29.40	No	Above Normal	Yes
7/13/1993	38.20	No	Above Normal	Yes	29.40	No	Above Normal	Yes
7/14/1993	38.40	No	Above Normal	Yes	29.10	No	Above Normal	Yes
7/15/1993	38.50	No	Above Normal	Yes	29.00	No	Above Normal	Yes
7/16/1993	38.60	No	Above Normal	Yes	29.00	No	Above Normal	Yes
7/19/1993	38.60	No	Above Normal	Yes	29.10	No	Above Normal	Yes
7/20/1993	38.60	No	Above Normal	Yes	29.20	No	Above Normal	Yes
7/21/1993	38.50	No	Above Normal	Yes	29.10	No	Above Normal	Yes
7/22/1993	38.50	No	Above Normal	Yes	29.00	No	Above Normal	Yes
7/23/1993	38.50	No	Above Normal	Yes	29.00	No	Above Normal	Yes
7/26/1993	38.70	No	Above Normal	Yes	29.10	No	Above Normal	Yes
7/27/1993	38.55	No	Above Normal	Yes	29.10	No	Above Normal	Yes
7/28/1993	38.50	No	Above Normal	Yes	29.30	No	Above Normal	Yes
7/29/1993	38.50	No	Above Normal	Yes	--	--	--	--
7/30/1993	38.50	No	Above Normal	Yes	29.40	No	Above Normal	Yes
8/1/1993	38.60	No	Above Normal	Yes	28.80	No	Above Normal	Yes
8/3/1993	38.50	No	Above Normal	Yes	28.40	No	Above Normal	Yes
8/7/1993	--	--	--	--	28.50	No	Above Normal	Yes
8/9/1993	38.70	No	Above Normal	Yes	28.10	No	Above Normal	Yes
8/10/1993	38.40	No	Above Normal	Yes	28.10	No	Above Normal	Yes
8/12/1993	38.70	No	Above Normal	Yes	--	--	--	--
8/13/1993	38.60	No	Above Normal	Yes	25.50	No	Above Normal	Below Criteria
8/20/1993	38.30	No	Above Normal	Yes	28.50	No	Above Normal	Yes
8/21/1993	--	--	--	--	28.50	No	Above Normal	Yes
8/22/1993	38.30	No	Above Normal	Yes	28.50	No	Above Normal	Yes
8/23/1993	--	--	--	--	28.50	No	Above Normal	Yes
8/27/1993	38.20	No	Above Normal	Yes	27.90	No	Above Normal	Yes
8/28/1993	38.10	No	Above Normal	Yes	28.60	No	Above Normal	Yes
8/29/1993	38.00	No	Above Normal	Yes	28.85	No	Above Normal	Yes
4/18/1994	38.00	No	Critically dry	Yes	29.30	No	Critically dry	Yes
4/19/1994	--	--	--	--	29.10	No	Critically dry	Yes
4/20/1994	37.90	No	Critically dry	Yes	29.00	No	Critically dry	Yes
4/21/1994	38.20	No	Critically dry	Yes	29.10	No	Critically dry	Yes
4/22/1994	38.10	No	Critically dry	Yes	29.20	No	Critically dry	Yes
4/25/1994	38.30	No	Critically dry	Yes	29.40	No	Critically dry	Yes
4/26/1994	38.40	No	Critically dry	Yes	29.50	No	Critically dry	Yes
4/27/1994	--	--	--	--	29.60	No	Critically dry	Above Criteria
4/28/1994	38.40	No	Critically dry	Yes	29.50	No	Critically dry	Yes
4/29/1994	38.40	No	Critically dry	Yes	29.40	No	Critically dry	Yes
5/2/1994	38.20	No	Critically dry	Yes	29.50	No	Critically dry	Yes
5/3/1994	38.00	No	Critically dry	Yes	29.20	No	Critically dry	Yes
5/4/1994	37.70	No	Critically dry	Yes	28.70	No	Critically dry	Yes
5/5/1994	37.40	No	Critically dry	Below Criteria	28.30	No	Critically dry	Yes
5/6/1994	37.40	No	Critically dry	Below Criteria	28.00	No	Critically dry	Yes
5/7/1994	37.80	No	Critically dry	Yes	28.20	No	Critically dry	Yes
5/8/1994	38.50	No	Critically dry	Yes	29.30	No	Critically dry	Yes

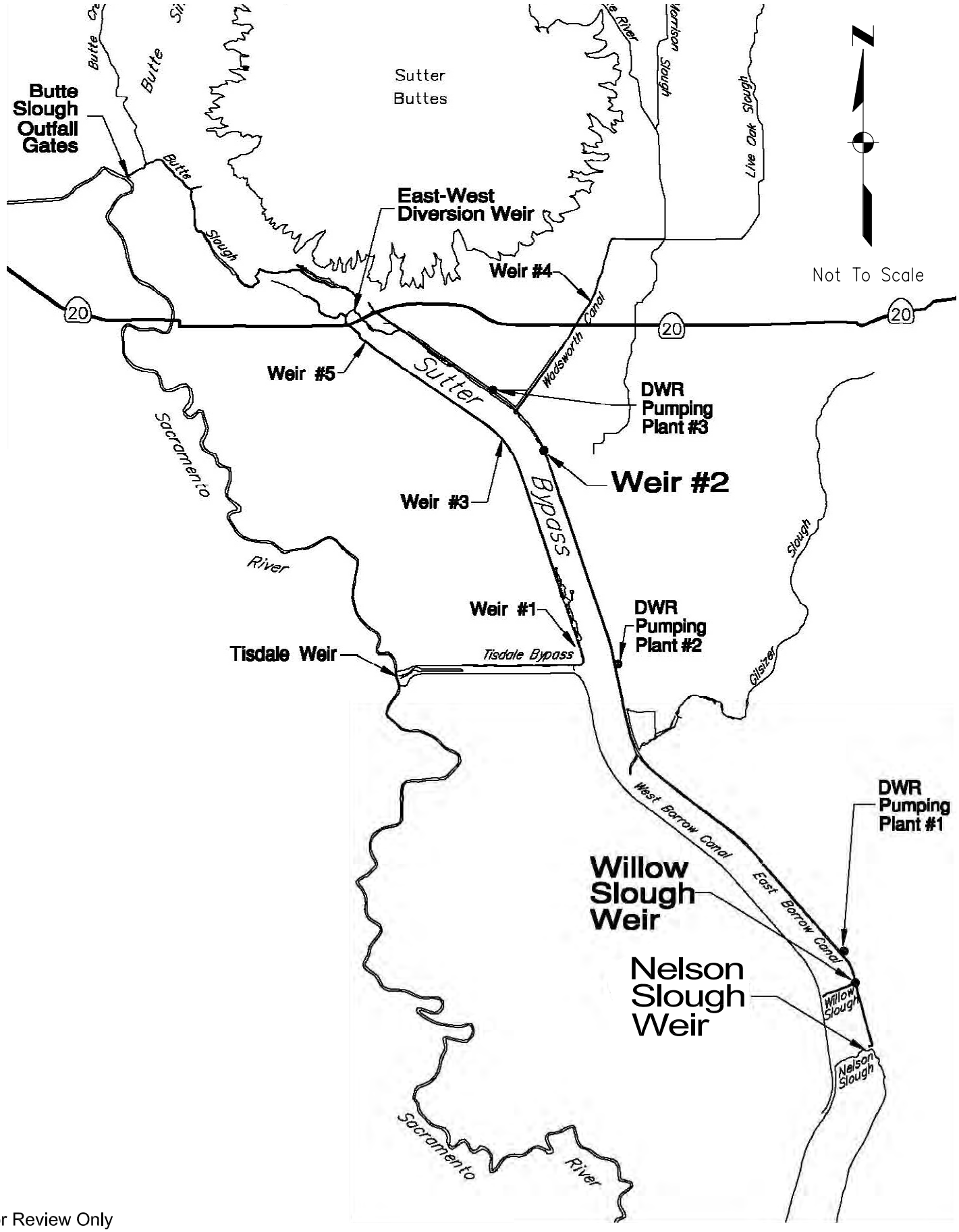
Date	Pumping Plant No. 3 (Weir No. 2) Recorded Stage Elevation				Pumping Plant No. 1 (Willow Slough Weir) Recorded Stage Elevation			
	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]
5/9/1994	38.20	No	Critically dry	Yes	28.70	No	Critically dry	Yes
5/10/1994	38.30	No	Critically dry	Yes	28.30	No	Critically dry	Yes
5/11/1994	38.40	No	Critically dry	Yes	28.50	No	Critically dry	Yes
5/12/1994	38.30	No	Critically dry	Yes	28.10	No	Critically dry	Yes
5/13/1994	37.90	No	Critically dry	Yes	27.90	No	Critically dry	Yes
5/16/1994	37.70	No	Critically dry	Yes	27.80	No	Critically dry	Yes
5/17/1994	38.00	No	Critically dry	Yes	27.80	No	Critically dry	Yes
5/18/1994	38.30	No	Critically dry	Yes	27.80	No	Critically dry	Yes
5/19/1994	38.30	No	Critically dry	Yes	28.50	No	Critically dry	Yes
5/20/1994	--	--	--	--	29.00	No	Critically dry	Yes
5/23/1994	38.20	No	Critically dry	Yes	29.10	No	Critically dry	Yes
5/25/1994	--	--	--	--	28.40	No	Critically dry	Yes
5/26/1994	--	--	--	--	28.80	No	Critically dry	Yes
5/27/1994	38.00	No	Critically dry	Yes	29.30	No	Critically dry	Yes
5/31/1994	37.70	No	Critically dry	Yes	29.10	No	Critically dry	Yes
6/1/1994	37.30	No	Critically dry	Below Criteria	29.00	No	Critically dry	Yes
6/2/1994	37.00	No	Critically dry	Below Criteria	28.90	No	Critically dry	Yes
6/7/1994	37.00	No	Critically dry	Below Criteria	28.90	No	Critically dry	Yes
6/8/1994	--	--	--	--	28.60	No	Critically dry	Yes
6/9/1994	--	--	--	--	28.50	No	Critically dry	Yes
6/10/1994	37.00	No	Critically dry	Below Criteria	28.10	No	Critically dry	Yes
6/11/1994	--	--	--	--	28.00	No	Critically dry	Yes
6/12/1994	--	--	--	--	27.70	No	Critically dry	Yes
6/13/1994	--	--	--	--	27.40	No	Critically dry	Below Criteria
6/14/1994	36.70	No	Critically dry	Below Criteria	27.10	No	Critically dry	Below Criteria
6/15/1994	36.50	No	Critically dry	Below Criteria	26.80	No	Critically dry	Below Criteria
6/16/1994	36.40	No	Critically dry	Below Criteria	26.40	No	Critically dry	Below Criteria
6/17/1994	--	--	--	--	26.30	No	Critically dry	Below Criteria
6/18/1994	--	--	--	--	26.10	No	Critically dry	Below Criteria
6/19/1994	--	--	--	--	26.20	No	Critically dry	Below Criteria
6/20/1994	36.50	No	Critically dry	Below Criteria	26.30	No	Critically dry	Below Criteria
6/21/1994	36.90	No	Critically dry	Below Criteria	26.40	No	Critically dry	Below Criteria
6/22/1994	--	--	--	--	26.40	No	Critically dry	Below Criteria
6/23/1994	37.00	No	Critically dry	Below Criteria	26.30	No	Critically dry	Below Criteria
6/24/1994	--	--	--	--	26.60	No	Critically dry	Below Criteria
6/25/1994	--	--	--	--	26.70	No	Critically dry	Below Criteria
6/26/1994	--	--	--	--	26.80	No	Critically dry	Below Criteria
6/27/1994	37.60	No	Critically dry	Yes	27.20	No	Critically dry	Below Criteria
6/29/1994	--	--	--	--	27.65	No	Critically dry	Yes
7/1/1994	37.50	No	Critically dry	Yes	28.30	No	Critically dry	Yes
7/5/1994	37.70	No	Critically dry	Yes	28.60	No	Critically dry	Yes
7/6/1994	37.70	No	Critically dry	Yes	28.80	No	Critically dry	Yes
7/7/1994	37.50	No	Critically dry	Yes	28.80	No	Critically dry	Yes
7/8/1994	37.50	No	Critically dry	Yes	28.70	No	Critically dry	Yes
7/11/1994	37.50	No	Critically dry	Yes	28.60	No	Critically dry	Yes
7/12/1994	37.40	No	Critically dry	Below Criteria	28.70	No	Critically dry	Yes
7/13/1994	--	--	--	--	28.80	No	Critically dry	Yes
7/14/1994	38.10	No	Critically dry	Yes	28.80	No	Critically dry	Yes
8/1/1994	38.20	No	Critically dry	Yes	29.00	No	Critically dry	Yes
8/2/1994	38.30	No	Critically dry	Yes	28.50	No	Critically dry	Yes
8/3/1994	--	--	--	--	28.10	No	Critically dry	Yes
8/4/1994	--	--	--	--	28.00	No	Critically dry	Yes
8/5/1994	--	--	--	--	28.60	No	Critically dry	Yes
8/9/1994	38.20	No	Critically dry	Yes	28.30	No	Critically dry	Yes
8/10/1994	38.30	No	Critically dry	Yes	28.20	No	Critically dry	Yes
8/11/1994	38.30	No	Critically dry	Yes	28.30	No	Critically dry	Yes
8/16/1994	--	--	--	--	28.80	No	Critically dry	Yes
8/17/1994	--	--	--	--	28.70	No	Critically dry	Yes
8/18/1994	--	--	--	--	28.60	No	Critically dry	Yes
8/22/1994	--	--	--	--	29.00	No	Critically dry	Yes
8/23/1994	--	--	--	--	29.00	No	Critically dry	Yes
8/25/1994	--	--	--	--	27.80	No	Critically dry	Yes
8/29/1994	37.90	No	Critically dry	Yes	28.40	No	Critically dry	Yes

Date	Pumping Plant No. 3 (Weir No. 2) Recorded Stage Elevation				Pumping Plant No. 1 (Willow Slough Weir) Recorded Stage Elevation			
	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]
8/31/1994	38.00	No	Critically dry	Yes	28.30	No	Critically dry	Yes
9/1/1994	--	--	--	--	28.30	No	Critically dry	Yes
9/6/1994	38.00	No	Critically dry	Yes	28.70	No	Critically dry	Yes
9/12/1994	38.00	No	Critically dry	Yes	28.50	No	Critically dry	Yes
9/13/1994	--	--	--	--	28.40	No	Critically dry	Yes
9/14/1994	--	--	--	--	28.20	No	Critically dry	Yes
9/16/1994	--	--	--	--	28.20	No	Critically dry	Yes
9/19/1994	38.20	No	Critically dry	Yes	28.80	No	Critically dry	Yes
9/21/1994	38.20	No	Critically dry	Yes	--	--	--	--
9/22/1994	--	--	--	--	28.50	No	Critically dry	Yes
9/23/1994	--	--	--	--	28.30	No	Critically dry	Yes
9/26/1994	--	--	--	--	29.00	No	Critically dry	Yes
9/28/1994	--	--	--	--	28.70	No	Critically dry	Yes
9/29/1994	--	--	--	--	28.40	No	Critically dry	Yes
9/30/1994	--	--	--	--	28.30	No	Critically dry	Yes
4/16/1995	43.40	No	Wet	Above Criteria	36.20	No	Wet	Above Criteria
4/17/1995	42.90	No	Wet	Above Criteria	35.90	No	Wet	Above Criteria
4/18/1995	42.20	No	Wet	Above Criteria	35.50	No	Wet	Above Criteria
4/19/1995	41.10	No	Wet	Above Criteria	35.00	No	Wet	Above Criteria
4/20/1995	40.10	No	Wet	Above Criteria	34.50	No	Wet	Above Criteria
4/21/1995	38.50	No	Wet	Yes	33.60	No	Wet	Above Criteria
4/22/1995	37.70	No	Wet	Yes	32.60	No	Wet	Above Criteria
4/23/1995	--	--	--	--	32.00	No	Wet	Above Criteria
4/25/1995	38.10	No	Wet	Yes	31.00	No	Wet	Above Criteria
4/26/1995	37.90	No	Wet	Yes	--	--	--	--
4/27/1995	--	--	--	--	29.60	No	Wet	Above Criteria
4/28/1995	37.60	No	Wet	Yes	28.60	No	Wet	Yes
4/30/1995	37.90	No	Wet	Yes	29.30	No	Wet	Yes
5/1/1995	--	--	--	--	32.40	No	Wet	Above Criteria
5/2/1995	42.40	No	Wet	Above Criteria	35.50	No	Wet	Above Criteria
5/3/1995	44.40	No	Wet	Above Criteria	37.60	No	Wet	Above Criteria
5/4/1995	44.60	No	Wet	Above Criteria	38.10	No	Wet	Above Criteria
5/5/1995	44.10	No	Wet	Above Criteria	37.60	No	Wet	Above Criteria
5/6/1995	43.60	No	Wet	Above Criteria	37.20	No	Wet	Above Criteria
5/7/1995	--	--	--	--	36.90	No	Wet	Above Criteria
5/8/1995	43.10	No	Wet	Above Criteria	36.20	No	Wet	Above Criteria
5/9/1995	42.80	No	Wet	Above Criteria	35.90	No	Wet	Above Criteria
5/10/1995	42.50	No	Wet	Above Criteria	35.60	No	Wet	Above Criteria
5/11/1995	--	--	--	--	35.20	No	Wet	Above Criteria
5/12/1995	--	--	--	--	34.90	No	Wet	Above Criteria
5/13/1995	--	--	--	--	34.30	No	Wet	Above Criteria
5/14/1995	38.60	No	Wet	Yes	33.70	No	Wet	Above Criteria
5/15/1995	37.70	No	Wet	Yes	33.00	No	Wet	Above Criteria
5/16/1995	38.30	No	Wet	Yes	32.20	No	Wet	Above Criteria
5/17/1995	38.40	No	Wet	Yes	32.00	No	Wet	Above Criteria
5/18/1995	--	--	--	--	31.40	No	Wet	Above Criteria
5/19/1995	38.10	No	Wet	Yes	31.00	No	Wet	Above Criteria
5/20/1995	38.20	No	Wet	Yes	30.60	No	Wet	Above Criteria
5/21/1995	--	--	--	--	30.30	No	Wet	Above Criteria
5/22/1995	38.20	No	Wet	Yes	29.80	No	Wet	Above Criteria
5/23/1995	--	--	--	--	29.40	No	Wet	Yes
5/24/1995	--	--	--	--	29.00	No	Wet	Yes
5/25/1995	37.80	No	Wet	Yes	29.00	No	Wet	Yes
5/26/1995	38.20	No	Wet	Yes	29.00	No	Wet	Yes
5/30/1995	38.30	No	Wet	Yes	28.50	No	Wet	Yes
5/31/1995	38.40	No	Wet	Yes	28.50	No	Wet	Yes
6/1/1995	38.60	No	Wet	Yes	29.20	No	Wet	Yes
6/5/1995	38.40	No	Wet	Yes	29.00	No	Wet	Yes
6/6/1995	38.30	No	Wet	Yes	29.00	No	Wet	Yes
6/7/1995	38.50	No	Wet	Yes	29.10	No	Wet	Yes
6/8/1995	38.40	No	Wet	Yes	29.00	No	Wet	Yes
6/10/1995	--	--	--	--	28.50	No	Wet	Yes
6/12/1995	38.00	No	Wet	Yes	28.50	No	Wet	Yes

Date	Pumping Plant No. 3 (Weir No. 2) Recorded Stage Elevation				Pumping Plant No. 1 (Willow Slough Weir) Recorded Stage Elevation			
	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]
6/13/1995	37.90	No	Wet	Yes	28.60	No	Wet	Yes
6/14/1995	37.80	No	Wet	Yes	28.70	No	Wet	Yes
6/15/1995	--	--	--	--	29.60	No	Wet	Above Criteria
6/17/1995	39.50	No	Wet	Above Criteria	29.60	No	Wet	Above Criteria
6/18/1995	38.60	No	Wet	Yes	29.90	No	Wet	Above Criteria
6/19/1995	38.30	No	Wet	Yes	29.80	No	Wet	Above Criteria
6/20/1995	38.20	No	Wet	Yes	30.10	No	Wet	Above Criteria
6/21/1995	38.00	No	Wet	Yes	--	--	--	--
6/22/1995	38.20	No	Wet	Yes	28.70	No	Wet	Yes
6/23/1995	--	--	--	--	28.20	No	Wet	Yes
6/24/1995	38.20	No	Wet	Yes	29.60	No	Wet	Above Criteria
6/26/1995	--	--	--	--	29.00	No	Wet	Yes
6/27/1995	--	--	--	--	28.30	No	Wet	Yes
6/28/1995	37.70	No	Wet	Yes	28.80	No	Wet	Yes
6/30/1995	37.70	No	Wet	Yes	29.00	No	Wet	Yes
7/3/1995	37.50	No	Wet	Yes	29.50	No	Wet	Yes
7/7/1995	38.50	No	Wet	Yes	28.70	No	Wet	Yes
7/10/1995	38.80	No	Wet	Above Criteria	29.20	No	Wet	Yes
7/11/1995	38.60	No	Wet	Yes	29.20	No	Wet	Yes
7/12/1995	38.70	No	Wet	Yes	28.90	No	Wet	Yes
7/13/1995	38.70	No	Wet	Yes	28.90	No	Wet	Yes
7/17/1995	38.60	No	Wet	Yes	28.20	No	Wet	Yes
7/20/1995	38.60	No	Wet	Yes	29.30	No	Wet	Yes
7/25/1995	38.70	No	Wet	Yes	29.30	No	Wet	Yes
7/27/1995	38.50	No	Wet	Yes	29.20	No	Wet	Yes
7/31/1995	38.50	No	Wet	Yes	29.00	No	Wet	Yes
8/2/1995	38.40	No	Wet	Yes	29.00	No	Wet	Yes
8/3/1995	38.30	No	Wet	Yes	29.10	No	Wet	Yes
8/7/1995	38.59	No	Wet	Yes	29.60	No	Wet	Above Criteria
8/8/1995	38.45	No	Wet	Yes	29.50	No	Wet	Yes
8/9/1995	38.45	No	Wet	Yes	29.50	No	Wet	Yes
8/10/1995	38.50	No	Wet	Yes	29.40	No	Wet	Yes
8/14/1995	38.60	No	Wet	Yes	29.60	No	Wet	Above Criteria
8/15/1995	38.65	No	Wet	Yes	29.60	No	Wet	Above Criteria
8/16/1995	38.60	No	Wet	Yes	29.10	No	Wet	Yes
8/17/1995	38.60	No	Wet	Yes	29.00	No	Wet	Yes
8/23/1995	38.60	No	Wet	Yes	29.00	No	Wet	Yes
8/28/1995	38.65	No	Wet	Yes	29.70	No	Wet	Above Criteria
8/29/1995	38.60	No	Wet	Yes	--	--	--	--
8/31/1995	--	--	--	--	29.00	No	Wet	Yes
9/5/1995	38.45	No	Wet	Yes	29.00	No	Wet	Yes
9/12/1995	38.30	No	Wet	Yes	29.30	No	Wet	Yes
9/13/1995	38.00	No	Wet	Yes	29.00	No	Wet	Yes
9/14/1995	38.00	No	Wet	Yes	28.50	No	Wet	Yes
9/18/1995	38.40	No	Wet	Yes	--	--	--	--
9/19/1995	38.45	No	Wet	Yes	28.50	No	Wet	Yes
9/20/1995	38.65	No	Wet	Yes	28.70	No	Wet	Yes
9/21/1995	38.60	No	Wet	Yes	28.80	No	Wet	Yes
9/26/1995	38.50	No	Wet	Yes	--	--	--	--
9/27/1995	38.50	No	Wet	Yes	28.30	No	Wet	Yes
4/22/1996	37.80	No	Wet	Yes	--	--	--	--
4/23/1996	--	--	--	--	27.20	No	Wet	Below Criteria
4/25/1996	--	--	--	--	27.80	No	Wet	Yes
4/29/1996	38.40	No	Wet	Yes	--	--	--	--
5/17/1996	--	--	--	--	29.40	No	Wet	Yes
5/18/1996	--	--	--	--	30.00	No	Wet	Above Criteria
5/19/1996	--	--	--	--	32.20	No	Wet	Above Criteria
5/20/1996	--	--	--	--	33.60	No	Wet	Above Criteria
5/21/1996	--	--	--	--	33.60	No	Wet	Above Criteria
5/22/1996	--	--	--	--	33.50	No	Wet	Above Criteria
5/23/1996	--	--	--	--	32.80	No	Wet	Above Criteria
5/24/1996	--	--	--	--	32.90	No	Wet	Above Criteria
5/25/1996	--	--	--	--	32.90	No	Wet	Above Criteria

Date	Pumping Plant No. 3 (Weir No. 2) Recorded Stage Elevation				Pumping Plant No. 1 (Willow Slough Weir) Recorded Stage Elevation			
	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]	Stage (feet)	Record within Flood Season?	Water Year Type	Operational Criteria Meet?[1]
5/26/1996	--	--	--	--	32.90	No	Wet	Above Criteria
5/27/1996	--	--	--	--	31.90	No	Wet	Above Criteria
5/30/1996	--	--	--	--	28.90	No	Wet	Yes
5/31/1996	--	--	--	--	28.80	No	Wet	Yes
6/1/1996	--	--	--	--	29.30	No	Wet	Yes
6/2/1996	38.50	No	Wet	Yes	29.70	No	Wet	Above Criteria
6/3/1996	--	--	--	--	29.90	No	Wet	Above Criteria
6/4/1996	38.80	No	Wet	Above Criteria	--	--	--	--
6/5/1996	38.80	No	Wet	Above Criteria	28.60	No	Wet	Yes
6/10/1996	38.40	No	Wet	Yes	28.00	No	Wet	Yes
6/11/1996	--	--	--	--	28.80	No	Wet	Yes
6/12/1996	38.60	No	Wet	Yes	29.55	No	Wet	Above Criteria
6/17/1996	38.50	No	Wet	Yes	29.20	No	Wet	Yes
6/18/1996	38.50	No	Wet	Yes	29.10	No	Wet	Yes
6/19/1996	--	--	--	--	29.40	No	Wet	Yes
6/24/1996	38.40	No	Wet	Yes	29.50	No	Wet	Yes
6/26/1996	38.40	No	Wet	Yes	29.50	No	Wet	Yes
7/1/1996	38.60	No	Wet	Yes	29.70	No	Wet	Above Criteria
7/8/1996	38.40	No	Wet	Yes	28.50	No	Wet	Yes
7/9/1996	--	--	--	--	28.70	No	Wet	Yes
7/14/1996	--	--	--	--	29.30	No	Wet	Yes
7/22/1996	--	--	--	--	29.20	No	Wet	Yes
7/25/1996	38.70	No	Wet	Yes	29.30	No	Wet	Yes
8/6/1996	39.00	No	Wet	Above Criteria	29.60	No	Wet	Above Criteria
8/19/1996	38.70	No	Wet	Yes	28.70	No	Wet	Yes
8/20/1996	38.40	No	Wet	Yes	29.40	No	Wet	Yes
8/21/1996	38.80	No	Wet	Above Criteria	29.70	No	Wet	Above Criteria
8/22/1996	38.80	No	Wet	Above Criteria	--	--	--	--
8/26/1996	--	--	--	--	29.40	No	Wet	Yes

Note:
1. “Above Criteria” refers to WSEL higher than the desired operation range and does not infer actual flooding in the Sutter Bypass or overtopping of the west bank of the EBC.



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FLOOD MAINTENANCE OFFICE

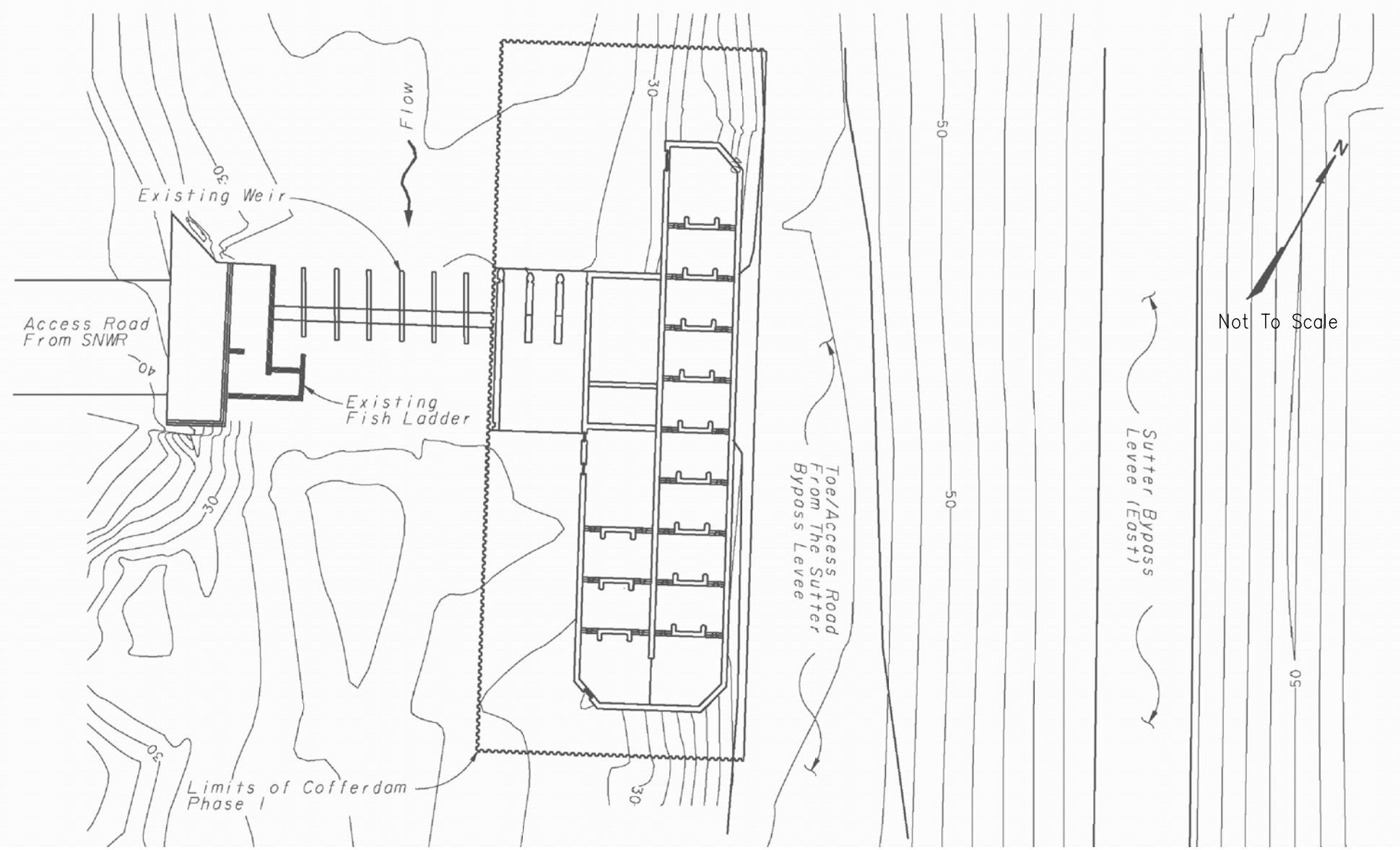
Sutter Bypass EBC Water Control Structures Project
Weir No. 2 & Willow Slough Weir Replacement

SUTTER BYPASS
WATER CONTROL STRUCTURES

FIGURE

1

Sep 09, 2008 8:39am - S:\FMO\FLDMAINT\data\Projects\EBC Sutter Weir 2 & Willow Slough\ENVIRONMENTAL\REPORTS&PERMITS\CEQA\COMMENTS&RESPONSES\SBBS\WaterUserEBC_Operations-Figures.dwg



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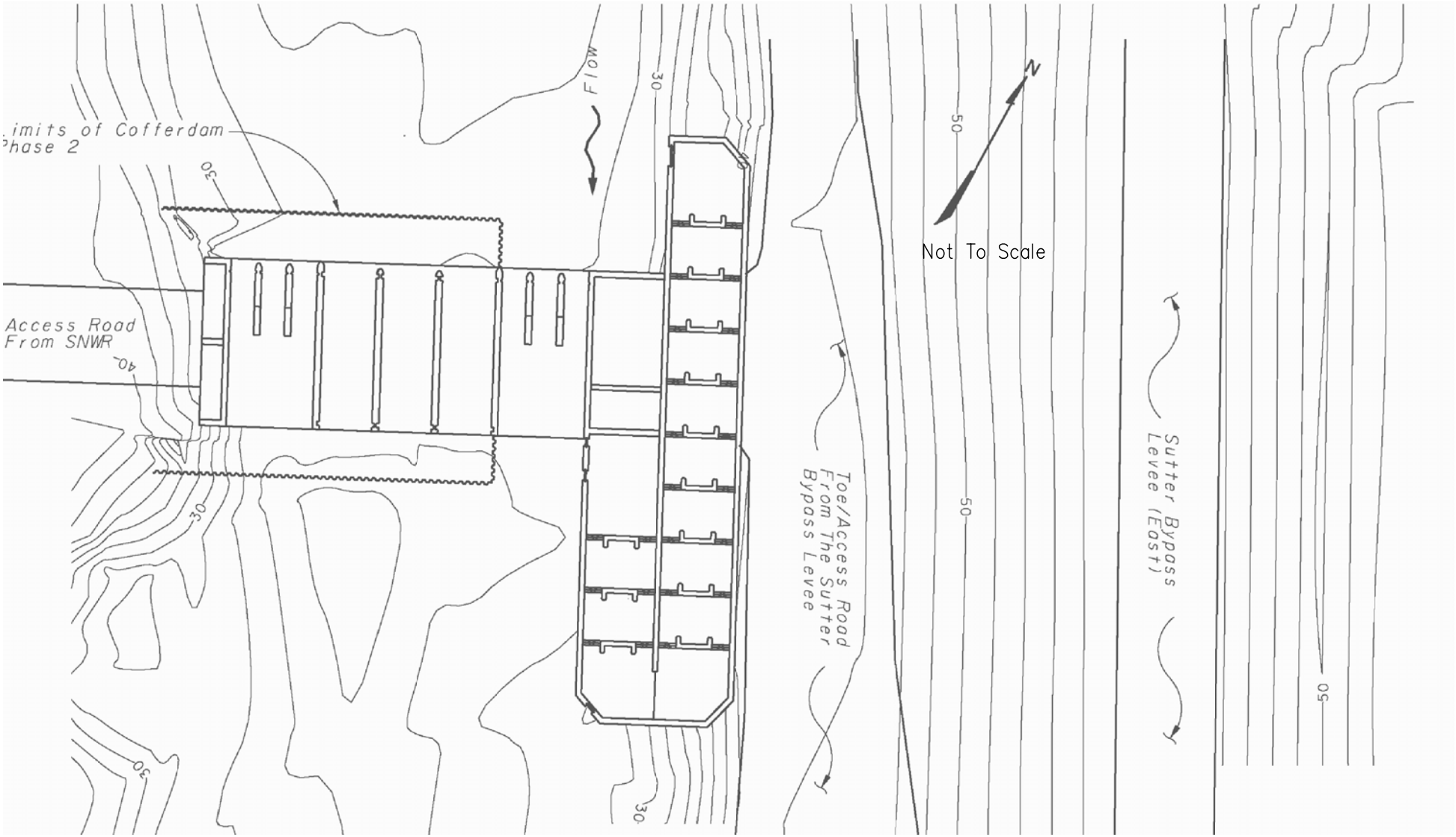
Sutter Bypass EBC Water Control Structures Project
Weir No. 2 & Willow Slough Weir Replacement

WEIR No. 2 REPLACEMENT
PHASE 1 CONSTRUCTION

FIGURE
2

Sep 04, 2008 2:59pm - S:\FMO\FLDMAINT\data\Projects\EBC Sutter Weir 2 & Willow Slough\ENVIRONMENTAL\REPORTS&PERMITS\CEQA\COMMENTS&RESPONSES\SBBSWaterUserEBC_Operations-Figures.dwg



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Weir No. 2 & Willow Slough Weir Replacement

WEIR No. 2 REPLACEMENT
PHASE 2 CONSTRUCTION

FIGURE

3

Sep 04, 2008 2:59pm - S:\ FMO\ FLDMAINT\ data\ Projects\ EBC Sutter Weir 2 & Willow Slough\ ENVIRONMENTAL\ REPORTS&PERMITS\ CEQA\ COMMENTS&RESPONSES\ SBBSWaterUserEBC_Operations-Figures.dwg

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Sutter Bypass EBC Water Control Structures Project
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WILLOW SLOUGH WEIR REPLACEMENT

FIGURE

4

Sep 04, 2008 2:59pm - S:\ FMO\ FLDMAINT\ data\ Projects\ EBC Sutter Weir 2 & Willow Slough\ ENVIRONMENTAL\ REPORTS&PERMITS\ CEQA\ COMMENTS&RESPONSES\ SBBSWaterUserEBC_Operations-Figures.dwg