

**State of California
The Resources Agency
DEPARTMENT OF WATER RESOURCES**



**2003
PROJECT CHANNEL REPORT**

**INSPECTION OF
FLOOD CONTROL PROJECT CHANNELS ON THE
SACRAMENTO AND SAN JOAQUIN RIVERS AND
THEIR TRIBUTARIES AND THE TRUCKEE RIVER**

**Prepared By The
Flood Operations Branch
Flood Project Inspection Section**

**STATE OF CALIFORNIA
Gray Davis, Governor**

**THE RESOURCES AGENCY
Mary D. Nichols, Secretary**

**DEPARTMENT OF WATER RESOURCES
Linda Adams, Director**

**Division of Flood Management
Stein Buer, Chief**

**This report was prepared
Under the direction of**

Jay S. Punia, ChiefFlood Operations Branch

And

Richard E. Marshall, ChiefFlood Project Inspection Section

By

Richard E. Willoughby. Water Resources Technician II

Assisted by

**Robert TealWater Resources Engineering Associate
Herman PhillipsWater Resources Engineering Associate
Robert Duffey Water Resources Tech II
Clay ThomasWater Resources Tech II
Mark SotoWater Resources Tech II
Gerald SnowWater Resources Tech II
Robert HouseWater Resources Tech I**

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INTRODUCTION

This is a report of the inspection of flood control project channels on the Sacramento, San Joaquin rivers and their tributaries and the Truckee River. The inspected channels are not confined by project levees. The purpose of the inspection is to identify and report to the constructing authority and the maintaining agency any conditions, which may diminish channel capacity. In general, maintaining the channels to the condition that existed after the completion of the initial construction will preserve their flood flow characteristics. The standard of comparison for the inspection is, therefore, the condition immediately after construction.

The U.S. Army Corps of Engineers and the State of California constructed the improved channels and floodways included herein. The constructing authority issued operation and maintenance manuals to the maintaining agency. Maintaining agencies are local agencies or the State of California. These agencies agreed to be responsible for maintenance at the time of project construction or at a later time. The State conducts periodic inspections of the quality of the maintenance accomplished by the maintaining agencies, and reports its findings to these agencies. The Division of Flood Management, Flood Operations Branch, and Flood Project Inspection Section perform the inspections on behalf of The Reclamation Board.

CHAPTER I

PROJECT CHANNELS INSPECTED ON THE SACRAMENTO RIVER AND TRIBUTARIES 2003

MODOC COUNTY

August 2003

ASH CREEK

(Maintained by Adin Community Services District)

On August 8, 2003 an inspection was made of the Ash Creek Channel. Project channel limits begin at the gauging station upstream of State Highway 299 and extend downstream for 1.0 mile. The entire one-mile was inspected. The photos on the following pages are typical of, but do not show all the growth in the channel. Evidence of previously moderate to heavy erosion has occurred along both banks downstream of Ash Street. The log dam located at the downstream boundary was replaced in October 1999 with a concrete dam and fish ladder by the Department of Fish and Game. The District has an excellent maintenance program.

**MODOC COUNTY
August 2003**

ASH CREEK



Upstream from Main Street (Highway 299) towards the gauging station



Downstream from Main Street (Hwy. 299) at the Ash St. low water crossing

2003 CHANNEL REPORT

**MODOC COUNTY
August 2003**

ASH CREEK



Downstream from Ash Street, moderate tree growth and bank erosion



Downstream at a sharp left bend moderate erosion on both banks

**MODOC COUNTY
August 2003**

ASH CREEK



Upstream from the downstream limit



Dam with fish ladder and metal walkway, constructed Oct. 1999 by the Dept. of Fish and Game

2003 CHANNEL REPORT

MODOC COUNTY

August 2003

DRY CREEK

(Maintained by Adin Community Services District)

On August 8, 2003 an inspection was made of the Dry Creek channel. The project channel begins at the intersection of Adin and Cedar Streets in Adin and extends downstream for 0.2 miles to its confluence with Ash Creek. The entire 0.2 miles was inspected. The views of the channel are primarily at road crossings. The photos on the following pages are typical of, but do not show, all of the growth in the channel. There is light to moderate willow growth along the entire reach of the channel.

**MODOC COUNTY
August 2003**

DRY CREEK



Downstream from Adin Street, light growth in channel



Upstream from Main Street (Hwy. 299) moderate growth in channel

**MODOC COUNTY
August 2003**

DRY CREEK



Downstream from Main Street (Highway 299), moderate growth in channel



Downstream from McDowell Street towards Ash Creek, light growth

**SACRAMENTO RIVER AND TRIBUTARIES
August 2003**

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SACRAMENTO RIVER AND TRIBUTARIES

August 2003

McClure CREEK **(Maintained by Tehama County)**

On August 19, 2003, an inspection was made of the McClure Creek channel. The project channel begins 200 feet upstream of the extension of Fairfield Avenue and extends downstream 1.7 miles to 3,700 feet downstream of Road 99W. The views of the channel are from road intersections or crossings and at random distances measured from upstream of the Road 99W bridge. The photos on the following pages are typical of, but do not show, all of the growth in the channel. The channel is clear, although in some areas berry vines are beginning to encroach into the channel. The channel will easily carry the required capacity. Clearing of the entire channel was completed in 1996. Satisfactory maintenance program.

2003 CHANNEL REPORT

**SACRAMENTO RIVER AND TRIBUTARIES
August 2003**

McClure CREEK



Upstream from extension of Truckee Avenue



Downstream from extension of Truckee Avenue

2003 CHANNEL REPORT

**SACRAMENTO RIVER AND TRIBUTARIES
August 2003**

McClure CREEK



Upstream from Highway 99 W bridge



Downstream from Highway 99 W bridge

**SACRAMENTO RIVER AND TRIBUTARIES
August 2003**

McClure CREEK



Downstream view approximately 2500 feet downstream of the Hwy 99 Bridge



Upstream from the downstream limit

SACRAMENTO RIVER AND TRIBUTARIES

August 2003

SALT CREEK **(Maintained by Tehama County)**

On August 19, 2003, an inspection was made of the Salt Creek channel. The project channel begins 1.6 miles upstream of the Sacramento River and extends downstream 1.6 miles to Salt Creek's confluence with the Sacramento River. Inspection was limited to breaks in the dense vegetation, measured randomly with the vehicle distance meter. The photos on the following pages are typical of, but do not show all of the growth in the channel. Vegetation on both banks is dense and makes visual inspection difficult. Numerous downed trees and piles of debris in the channel should be removed and the channel should be cleared of vegetal growth before the next flood season. Little or no maintenance has been performed on this channel for the past several years. Tehama County needs to develop a maintenance program for this channel.

**SACRAMENTO RIVER AND TRIBUTARIES
August 2003**

SALT CREEK



**Downstream from the upstream limit,
bank vegetation is encroaching on the channel**



Downstream from the extension of Salt Creek Road, vegetation in the channel

**SACRAMENTO RIVER AND TRIBUTARIES
August 2003**

SALT CREEK



Upstream, at approximately 200 ft of erosion along right bank



**Upstream, approximately 2800 feet from the downstream limit
dense vegetation on both banks**

2003 CHANNEL REPORT

**SACRAMENTO RIVER AND TRIBUTARIES
August 2003**

SALT CREEK



**Upstream, approximately 700 feet upstream of the downstream limit
dense vegetation along both banks**



**Downstream, approximately 700 feet upstream from the confluence with the
Sacramento River**

2003 CHANNEL REPORT

SACRAMENTO RIVER AND TRIBUTARIES

August 2003

BIG CHICO CREEK **(Maintained by City of Chico)**

On August 18, 2003, an inspection was made of the Big Chico Creek channel. The project channel begins at the Big Chico Creek Control Structure and extends 22.0 miles downstream to Big Chico Creek's confluence with the Sacramento River. Only 15 miles could be inspected due to limited access. The views of the channel are primarily at road crossings. The photos on the following pages are typical of, but do not show all of the growth in the channel. Heavy amounts of vegetation exist along both banks of this channel. Vines extend across the channel at various locations. Little or no maintenance has been performed for the past several years. Thinning and removal of vegetation upstream of Manzanita Road and removal of snags on the right bank below the extension of Forest Avenue needs to be done before flood season.

**SACRAMENTO RIVER AND TRIBUTARIES
August 2003**

BIG CHICO CREEK



Downstream from the Big Chico Creek Control Structure



Upstream from bridge near Forest Avenue heavy growth along both banks

**SACRAMENTO RIVER AND TRIBUTARIES
August 2003**

BIG CHICO CREEK



Upstream from Highway 99 heavy growth along both banks



Downstream from Highway 99 dense vegetation in channel

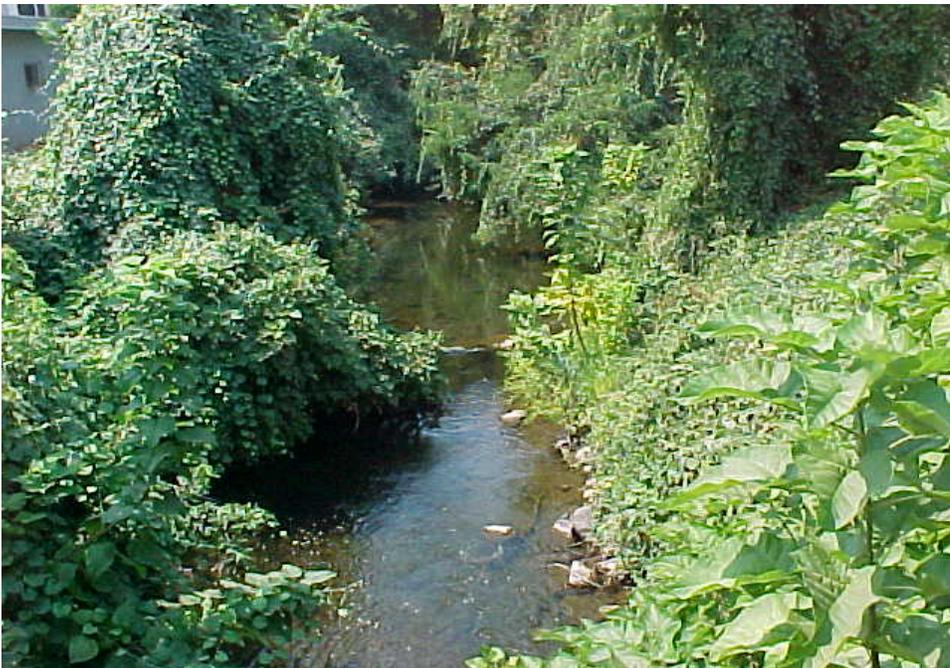
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**SACRAMENTO RIVER AND TRIBUTARIES
August 2003**

BIG CHICO CREEK



Upstream from the Esplanade heavy growth on both banks



Downstream from Highway 32 heavy growth on both banks

2003 CHANNEL REPORT

**SACRAMENTO RIVER AND TRIBUTARIES
August 2003**

BIG CHICO CREEK



**Upstream approximately 500 feet upstream
of the confluence with the Sacramento River**



Downstream towards the confluence with the Sacramento River

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SACRAMENTO RIVER AND TRIBUTARIES
August 2003

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**SACRAMENTO RIVER AND TRIBUTARIES
August 2003**

**LINDO CHANNEL AND SANDY GULCH
(Maintained by State of California)**

On August 19, 2003, an inspection was made of Lindo Channel and Sandy Gulch. The project channel begins at the Lindo Channel Diversion Structure and extends downstream 13.0 miles to the channel's confluence with Big Chico Creek. Only 10.0 miles could be inspected due to limited access. The views of the channel are primarily at road crossings. The photos on the following pages are typical of, but do not show all of the growth in the channel. The portion of the channel from Manzanita Avenue to Big Chico Creek has heavy vegetation along both banks, but the channel is clear. Small growth in channel should be removed.

**SACRAMENTO RIVER AND TRIBUTARIES
August 2003**

LINDO CHANNEL



Downstream from the Lindo Channel Diversion Structure



Downstream from Manzanita Avenue

2003 CHANNEL REPORT

**SACRAMENTO RIVER AND TRIBUTARIES
August 2003**

LINDO CHANNEL



Downstream from the bike path bridge at the extension of Madrone Avenue



Downstream from 5th Avenue

2003 CHANNEL REPORT

**SACRAMENTO RIVER AND TRIBUTARIES
August 2003**

LINDO CHANNEL



Upstream from the Esplanade



Upstream from Highway 32

2003 CHANNEL REPORT

**SACRAMENTO RIVER AND TRIBUTARIES
August 2003**

SANDY GULCH



Upstream from Oak Ave



Upstream from Grape Way

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SACRAMENTO RIVER AND TRIBUTARIES
August 2003

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2003 CHANNEL REPORT

SACRAMENTO RIVER AND TRIBUTARIES

August 2003

LITTLE CHICO CREEK (Maintained by the City of Chico)

On August 20, 2003 an inspection was made of the Little Chico Creek channel. The project channel begins at the Little Chico Creek Control and Weir Structure and extends downstream for 18.0 miles to Alberton Road. Only 12.0 miles could be inspected due to limited access. The views of the channel are primarily at road crossings. The photos on the following pages are typical of, but do not show all of the growth in the channel. Growth between the control structure and Lone Pine Avenue is moderate to heavy along both banks, but channel is clear. Selective thinning and fallen tree removal should be done prior to next flood season.

**SACRAMENTO RIVER AND TRIBUTARIES
August 2003**

LITTLE CHICO CREEK



**Downstream from the control structure on Little Chico Creek
moderate growth in the channel**



Upstream from Bruce Road

2003 CHANNEL REPORT

**SACRAMENTO RIVER AND TRIBUTARIES
August 2003**

LITTLE CHICO CREEK



Downstream from Forrest Avenue



Severe erosion on the right bank, approximately 900 feet upstream of highway 99

2003 CHANNEL REPORT

**SACRAMENTO RIVER AND TRIBUTARIES
August 2003**

LITTLE CHICO CREEK



Upstream from Boucher Street. Dense growth on both banks



Downstream from Olive Street

2003 CHANNEL REPORT

**SACRAMENTO RIVER AND TRIBUTARIES
August 2003**

LITTLE CHICO CREEK



**Downstream from Broadway Street.
Dense growth on both banks.**



Upstream from Lone Pine Street. Heavy growth on both banks.

2003 CHANNEL REPORT

**SACRAMENTO RIVER AND TRIBUTARIES
August 2003**

LITTLE CHICO CREEK



**Upstream from Lone Pine Street
dense vegetation on both banks**

CHAPTER II

PROJECT CHANNELS INSPECTED ON THE TRUCKEE RIVER AND THE FAIRFIELD VICINITY STREAMS

2003 CHANNEL REPORT

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**PLACER COUNTY
September 2003**

**TRUCKEE RIVER
(Maintained by Placer County)**

On August 1, 2003 an inspection was made of the Truckee River channel. The project channel begins at the Lake Tahoe Outlet Works and extends downstream for 0.6 mile. The entire 0.6-mile was inspected. The photos on the following pages are typical views of the channel. The channel is clear of vegetal growth and obstructions. Placer County has a good maintenance program.

**PLACER COUNTY
August 2003**

TRUCKEE RIVER



Upstream from Highway 89 toward the outlet structure



Downstream from Highway 89

2003 CHANNEL REPORT

**PLACER COUNTY
August 2003**

TRUCKEE RIVER



**Upstream from the bike bridge, 1,100 feet
downstream of the Lake Tahoe Outlet Structure**



Downstream from the bike bridge

2003 CHANNEL REPORT

**PLACER COUNTY
August 2003**

TRUCKEE RIVER



Upstream from the Tahoe City Lumber Yard



Downstream from the Tahoe City Lumber Yard towards the downstream limits

2003 CHANNEL REPORT

**SACRAMENTO RIVER AND TRIBUTARIES
FAIRFIELD VACINITY STREAMS
August 2003**

**McCOY CREEK
(Maintained by Fairfield-Suisun Sewer District)**

On August 19, 2003 an inspection was made of the McCoy Creek channel. The project channel begins at Prosperity Lane and extends downstream 1.22 miles to McCoy Creeks' confluence with Buffer Channel. The entire 1.22 miles were inspected. The views of the channel are primarily at road crossings. The photos on the following pages are typical of, but do not show all the growth in the channel. Vegetation is minimal and should not affect the flow. The patrol roads should be sterilized prior to flood season. The maintaining agency has an excellent maintenance program.

**SACRAMENTO RIVER AND TRIBUTARIES
FAIRFIELD VICINITY STREAMS
August 2003**

McCoy Creek



Downstream from Bella Vista Drive



Downstream from Emperor Drive

**SACRAMENTO RIVER AND TRIBUTARIES
FAIRFIELD VACINITY STREAMS
August 2003**

McCoy Creek



Upstream from Pintail Avenue



Upstream from Anderson Drive

2003 CHANNEL REPORT

**SACRAMENTO RIVER AND TRIBUTARIES
FAIRFIELD VICINITY STREAMS
August 2003**

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**SACRAMENTO RIVER AND TRIBUTARIES
FAIRFIELD VACINITY STREAMS
August 2003**

**LAUREL CREEK
(Maintained by Fairfield-Suisun Sewer District)**

On August 19, 2003 an inspection was made of the Laurel Creek Channel. The project channel begins at Gulf Drive and extends downstream 2.78 miles to Laurel Creek's confluence with McCoy Creek. The entire 2.78 miles were inspected. The views of the channel are primarily at road crossings. The photos on the following pages are typical of, but do not show all the growth in the channel. Vegetation is minimal in the channel and does not affect the flow, however, new growth should be removed or sprayed. The Maintaining agency has an excellent maintenance program.

2003 CHANNEL REPORT

**SACRAMENTO RIVER AND TRIBUTARIES
FAIRFIELD VACINITY STREAMS
August 2003**

LAUREL CREEK



Upstream from Cement Hill Road towards Gulf Drive



Downstream from Cement Hill Road

2003 CHANNEL REPORT

**SACRAMENTO RIVER AND TRIBUTARIES
FAIRFIELD VACINITY STREAMS
August 2003**

LAUREL CREEK



Downstream from Meadowlark Drive



Downstream from Blossom Road

2003 CHANNEL REPORT

**SACRAMENTO RIVER AND TRIBUTARIES
FAIRFIELD VACINITY STREAMS
August 2003**

LAUREL CREEK



**Downstream from Matthew Road towards
Railroad culvert under crossing**



Downstream from Worley Road towards the confluence with McCoy Creek

2003 CHANNEL REPORT

**SACRAMENTO RIVER AND TRIBUTARIES
FAIRFIELD VACINITY STREAMS
August 2003**

**UNION AVENUE DIVERSION
(Maintained by Fairfield-Suisun Sewer District)**

On August 19, 2003, an inspection was made of the Union Avenue Diversion Channel. The project channel begins at North Texas Street and extends downstream 0.73 mile to Gulf Drive. The entire 0.73-mile was inspected. The views of the channel are primarily at road crossings. The photos on the following pages are typical of, but do not show all the growth in the channel. Vegetation is minimal in the channel and does not affect the flow, however, new growth should be removed or sprayed. The maintaining agency has an excellent maintenance program.

**SACRAMENTO RIVER AND TRIBUTARIES
FAIRFIELD VACINITY STREAMS
August 2003**

UNION AVENUE DIVERSION CHANNEL



Downstream from North Texas Street



Downstream from Camrose Avenue

2003 CHANNEL REPORT

**SACRAMENTO RIVER AND TRIBUTARIES
FAIRFIELD VACINITY STREAMS
August 2003**

UNION AVENUE DIVERSION CHANNEL



Downstream from Dover Ave



Upstream from the downstream limits at Gulf Drive

2003 CHANNEL REPORT

CHAPTER III

PROJECT CHANNELS INSPECTED ON THE SAN JOAQUIN RIVER AND TRIBUTARIES

2003 CHANNEL REPORT

**SAN JOAQUIN RIVER AND TRIBUTARIES
MERCED STREAM GROUP
September 2003**

**BEAR CREEK
(Maintained by the Merced Irrigation District for Merced County)**

On September 5, 2003 an inspection was made of Bear Creek. The project channel begins 2.0 miles upstream of the confluence with Burns Creek and extends downstream 21.0 miles to Bert Crane Road. Only 15 miles could be inspected due to limited access. The views of the channel are primarily at road crossings. The photos on the following pages are typical of, but do not show, all the growth in the channel. Moderate to heavy growth exists along both banks from the confluence with Burns Creek to approximately the Merced City limits. From Franklin Road to Dickerson Ferry Road, the channel and banks are overgrown to the extent that moderate flows could be adversely affected causing bank overflow. A clearing program should be implemented immediately. However, The California Department of Fish and Game has stopped the channel-clearing program. Both agencies are working to resolve the issues and continue channel maintenance.

**SAN JOAQUIN RIVER AND TRIBUTARIES
MERCED STREAM GROUP
September 2003**

BEAR CREEK



Downstream from 0.5 mile upstream of the Bonner Road bridge



Downstream from Arboleda Drive

2003 CHANNEL REPORT

**SAN JOAQUIN RIVER AND TRIBUTARIES
MERCED STREAM GROUP
September 2003**

BEAR CREEK



Upstream from Kibby Road



Downstream from McKee Road

2003 CHANNEL REPORT

**SAN JOAQUIN RIVER AND TRIBUTARIES
MERCED STREAM GROUP
September 2003**

BEAR CREEK



Downstream from "R" Street



Downstream from Franklin Road.

2003 CHANNEL REPORT

**SAN JOAQUIN RIVER AND TRIBUTARIES
MERCED STREAM GROUP
September 2003**

BEAR CREEK



Downstream from Highway 140



Downstream from Buhach Road

2003 CHANNEL REPORT

**SAN JOAQUIN RIVER AND TRIBUTARIES
MERCED STREAM GROUP
September 2003**

BEAR CREEK



Upstream from Dickerson Ferry Road.



Upstream from Bert Crane Road.

2003 CHANNEL REPORT

**SAN JOAQUIN RIVER AND TRIBUTARIES
MERCED STREAM GROUP
September 2003**

**BLACK RASCAL CREEK
(Maintained by the Merced Irrigation District for Merced County)**

On September 5, 2003 an inspection was made of Black Rascal Creek Channel. The project channel begins at Crocker Dam and extends downstream 6.5 miles to Black Rascal Creek's confluence with Bear Creek. The entire 6.5 miles were inspected. Views of the channel are primarily at road crossings. The photos on the following pages are typical of, but do not show all the growth in the channel. The wild growth should be cleared to allow proper design flow. However, The California Department of Fish and Game has stopped the channel-clearing program. Both agencies are working to resolve the issues and continue channel maintenance.

**SAN JOAQUIN RIVER AND TRIBUTARIES
MERCED STREAM GROUP
September 2003**

BLACK RASCAL CREEK



Downstream from the Crocker Dam



Downstream from Franklin Road

2003 CHANNEL REPORT

**SAN JOAQUIN RIVER AND TRIBUTARIES
MERCED STREAM GROUP
September 2003**

BLACK RASCAL CREEK



Downstream from Highway 140



Downstream from Oak Avenue

2003 CHANNEL REPORT

**SAN JOAQUIN RIVER AND TRIBUTARIES
MERCED STREAM GROUP
September 2003**

BLACK RASCAL CREEK



Upstream from Quinley Road



Upstream at the confluence with Bear Creek

2003 CHANNEL REPORT

**SAN JOAQUIN RIVER AND TRIBUTARIES
MERCED STREAM GROUP
September 2003**

**BURNS CREEK
(Maintained by Merced Irrigation District for Merced County)**

The project channel begins 2.0 miles upstream of Burns Creek's confluence with Bear Creek and extends 2.0 miles downstream to the confluence. Only 1.0 mile of channel could be inspected due to inaccessibility. The photos on the following pages are typical of, but do not show all the growth in the channel. There appears to have been little maintenance performed in the past years. Merced County should mechanically clear and maintenance sprays the channel. However, The California Department of Fish and Game has stopped the channel-clearing program. Both agencies are working to resolve the issues and continue channel maintenance.

**SAN JOAQUIN RIVER AND TRIBUTARIES
MERCED STREAM GROUP
September 2003**

BURNS CREEK



Upstream from Bonner Road



Upstream from low water crossing

2003 CHANNEL REPORT

**SAN JOAQUIN RIVER AND TRIBUTARIES
MERCED STREAM GROUP
September 2003**

**MARIPOSA CREEK/DUCK SLOUGH
(Maintained by the Merced Irrigation District for Merced County)**

On September 10, 2003 an inspection was made of Mariposa Creek/Duck Slough channel. The project channel begins 4.0 miles upstream of Fresno Road, and extends downstream for 16.5 miles to Highway 59. Only 12.0 miles could be inspected due to limited access. The views of the channel are primarily at road crossings. The photos on the following pages are typical of, but do not show all the growth in the channel. The wild growth should be cleared to allow proper design flow. However, The California Department of Fish and Game has stopped the channel-clearing program. Both agencies are working to resolve the issues and continue channel maintenance.

**SAN JOAQUIN RIVER AND TRIBUTARIES
MERCED STREAM GROUP
September 2003**

MARIPOSA CREEK/DUCK SLOUGH



Upstream from White Rock Road



Downstream from Fresno Road

2003 CHANNEL REPORT

**SAN JOAQUIN RIVER AND TRIBUTARIES
MERCED STREAM GROUP
September 2003**

MARIPOSA CREEK/DUCK SLOUGH



Upstream from the railroad bridge crossing near Santa Fe Drive



Downstream from Plainsburg Road

2003 CHANNEL REPORT

**SAN JOAQUIN RIVER AND TRIBUTARIES
MERCED STREAM GROUP
September 2003**

MARIPOSA CREEK/DUCK SLOUGH



Downstream from Arboleda Road



Upstream from Healy Road

2003 CHANNEL REPORT

**SAN JOAQUIN RIVER AND TRIBUTARIES
MERCED STREAM GROUP
September 2003**

**MILES CREEK
(Maintained by the Merced Irrigation District for Merced County)**

On September 10, 2003 an inspection was made of Miles Creek channel. The project channel begins 1.5 miles upstream of Childs Avenue and extends downstream for 12.0 miles to Highway 59. Only 7.0 miles of the channel could be inspected due to limited access. The views of the channel are primarily at road crossings. The photos on the following pages are typical of, but do not show all the growth in the channel. There is intermittent heavy brush growth throughout the system. The channel is constricted by trees and brush from Riley Road to the Miles Creek Dam and should be cleared before next flood season. However, The California Department of Fish and Game has stopped the channel-clearing program. Both agencies are working to resolve the issues and continue channel maintenance.

**SAN JOAQUIN RIVER AND TRIBUTARIES
MERCED STREAM GROUP
September 2003**

MILES CREEK



Downstream from Childs Avenue



Downstream from Santa Fe Drive

2003 CHANNEL REPORT

**SAN JOAQUIN RIVER AND TRIBUTARIES
MERCED STREAM GROUP
September 2003**

MILES CREEK



Downstream from Arboleda Drive



Downstream from Healy Road

2003 CHANNEL REPORT

**SAN JOAQUIN RIVER AND TRIBUTARIES
MERCED STREAM GROUP
September 2003**

MILES CREEK



**Upstream from Highway 59.
The channel is overgrown with wild growth**

**SAN JOAQUIN RIVER AND TRIBUTARIES
MERCED STREAM GROUP
September 2003**

**OWENS CREEK
(Maintained by the Merced Irrigation District for Merced County)**

On September 10, 2003 an inspection was made of Owens Creek channel. The project channel begins at Cunningham Road and extends downstream for 2.0 miles to Owens Creek Diversion channel. The entire channel was inspected. Only minor tule growth was found in the channel. Tules should be sprayed to control growth. However, The California Department of Fish and Game has stopped the channel-clearing program. Both agencies are working to resolve the issues and continue channel maintenance.

2003 CHANNEL REPORT

**SAN JOAQUIN RIVER AND TRIBUTARIES
MERCED STREAM GROUP
September 2003**

OWENS CREEK



Downstream from Cunningham Road



Downstream from Childs Avenue

2003 CHANNEL REPORT

**SAN JOAQUIN RIVER AND TRIBUTARIES
MERCED STREAM GROUP
September 2003**

OWENS CREEK



Upstream from the extension of Mission Avenue

**SAN JOAQUIN RIVER AND TRIBUTARIES
MERCED STREAM GROUP
November 2003**

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**SAN JOAQUIN RIVER AND TRIBUTARIES
MERCED STREAM GROUP
November 2003**

**ASH SLOUGH
(Maintained by the Madera County Flood Control and Water Conservation
Agency)**

On November 3, 2003 an inspection was made Ash Slough channel. The project channel begins at the Ash and Berenda Slough Bifurcation Structure and extends downstream for 19.0 miles. Only 14.0 miles could be inspected due to limited access. The views of the channel are primarily at road crossings. The photos on the following pages are typical of, but do not show all the growth in the channel. There are some willows and bamboo on the banks, but the channel appears to be in satisfactory condition. There has been no apparent maintenance in recent years. The new growth needs to be removed and maintenance sprayed.

**SAN JOAQUIN RIVER AND TRIBUTARIES
MERCED STREAM GROUP
November 2003**

ASH SLOUGH



Downstream from low water crossing



Upstream from Road 19

2003 CHANNEL REPORT

**SAN JOAQUIN RIVER AND TRIBUTARIES
MERCED STREAM GROUP
November 2003**

ASH SLOUGH



Downstream from Avenue 19



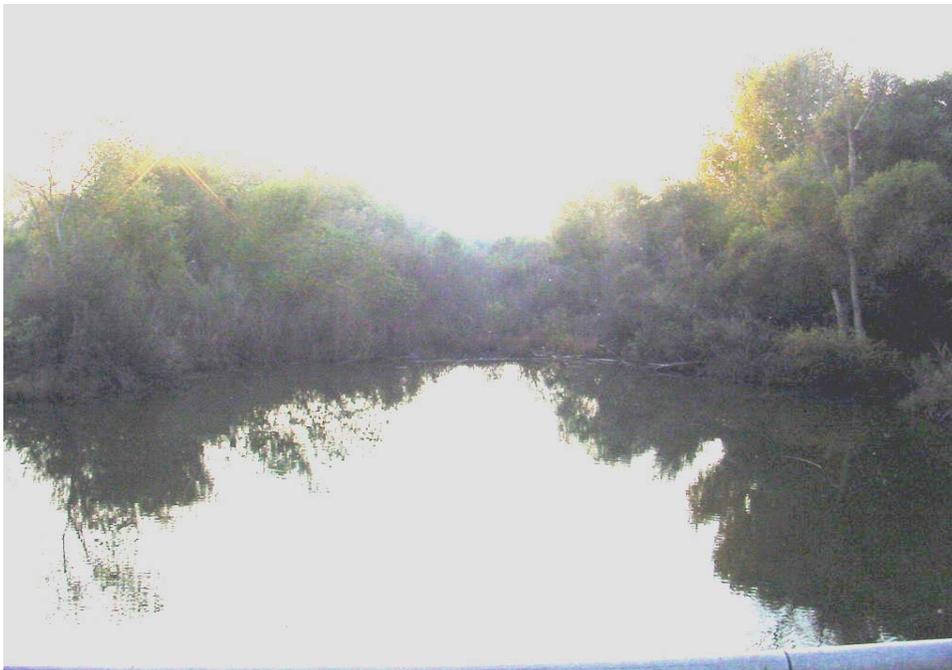
Downstream from Avenue 25

**SAN JOAQUIN RIVER AND TRIBUTARIES
MERCED STREAM GROUP
November 2003**

ASH SLOUGH



Downstream from Highway 152



Upstream from Road 9

2003 CHANNEL REPORT

**SAN JOAQUIN RIVER AND TRIBUTARIES
MERCED STREAM GROUP
September 2003**

**BERENDA SLOUGH
(Maintained by the Madera County Flood Control and Water Conservation
Agency)**

On November 3, 2003 an inspection was made of Berenda Slough channel. The project channel begins at the Ash and Berenda Slough Bifurcation Structure and extends downstream for 18.5 miles. Only 13.0 miles could be inspected due to limited access. The views of the channel are primarily at road crossings. The photos on the following pages are typical of, but do not show all the growth in the channel. Dense wild growth is choking the channel 200 yards from the structure. The channel has areas of willow and bamboo growth that should be cleared. There appears to have been little to no maintenance performed in the past several years. The wild growth should be cleared to allow proper design flow.

**SAN JOAQUIN RIVER AND TRIBUTARIES
November 2003**

BERENDA SLOUGH



Downstream from the reservoir structure



Upstream from Avenue 26

2003 CHANNEL REPORT

**SAN JOAQUIN RIVER AND TRIBUTARIES
November 2003**

BERENDA SLOUGH



Downstream from Avenue 26



Downstream from Avenue 22. Trees and wild growth in channel

**SAN JOAQUIN RIVER AND TRIBUTARIES
November 2003**

BERENDA SLOUGH



Downstream from Avenue 21



Upstream from Avenue 18 ½

2003 CHANNEL REPORT

**SAN JOAQUIN RIVER AND TRIBUTARIES
September 2003**

**CHOWCHILLA RIVER
(Maintained by the Madera County Flood Control and Water Conservation
Agency)**

On November 3, 2003 an inspection was made of the Chowchilla River channel. The project channel begins at Buchanan Dam and extends downstream for 28.5 miles to Schultz Road. Only 23.0 miles could be inspected due to limited access. The views of the channel are primarily at road crossings. The photos on the following pages are typical of, but do not show all the growth in the channel. The channel east of Highway 99 is through pastureland with trees immediately upstream of Road 19 posing the only constriction. From Highway 99 downstream there are areas of heavy brush and tree growth that should be cleared. Upstream from Avenue 26 wild growth has been partially removed about 100 feet away from bridge. Downstream from Avenue 26 the channel is cleared by livestock grazing. The wild growth should be cleared to allow proper design flow.

**SAN JOAQUIN RIVER AND TRIBUTARIES
November 2003**

CHOWCHILLA RIVER



Downstream from Buchanan Dam



Downstream from Shulte Road / Road 5 1/2

2003 CHANNEL REPORT

**SAN JOAQUIN RIVER AND TRIBUTARIES
November 2003**

CHOWCHILLA RIVER



Downstream from Road 13 / Vista Avenue



Upstream from Avenue 26 vegetation has been partially removed

2003 CHANNEL REPORT

**SAN JOAQUIN RIVER AND TRIBUTARIES
November 2003**

CHOWCHILLA RIVER



Downstream from Road 9 & Bliss Road



Upstream from Avenue 25 & Washington Road

2003 CHANNEL REPORT

**SAN JOAQUIN RIVER AND TRIBUTARIES
November 2003**

CHOWCHILLA RIVER



Upstream from Shulte Road & Road 5 ½

SAN JOAQUIN RIVER AND TRIBUTARIES
September 2003

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2003 CHANNEL REPORT

**SAN JOAQUIN RIVER AND TRIBUTARIES
September 2003**

**FRESNO RIVER
(Maintained by the Madera County Flood Control and Water Conservation
Agency)**

On September 11, 2003 an inspection was made of the Fresno River channel. The project channel begins at Hidden Dam and extends downstream for 13.0 miles to Road 18 ½. Only 9.0 miles could be inspected due to limited access. The views of the channel are primarily at road crossings. The photos on the following pages are typical of, but do not show all the growth in the channel. There is some small willow growth in the channel but the maintaining agency does a good job of discing it annually so that the growth is kept under control. The District has an excellent maintenance program.

2003 CHANNEL REPORT

**SAN JOAQUIN RIVER AND TRIBUTARIES
September 2003**

FRESNO RIVER



Downstream from Road 603 below hidden dam



Downstream from Cleveland Avenue

2003 CHANNEL REPORT

**SAN JOAQUIN RIVER AND TRIBUTARIES
September 2003**

FRESNO RIVER



Downstream from Gateway Drive



Downstream Granada Avenue

2003 CHANNEL REPORT

SAN JOAQUIN RIVER AND TRIBUTARIES
September 2003

FRESNO RIVER



Downstream from Road 20



Upstream from the downstream boundary

2003 CHANNEL REPORT

**SAN JOAQUIN RIVER AND TRIBUTARIES
September 2003**

**NORTH LITTLEJOHN CREEK
(Maintained by the San Joaquin County Flood Control District)**

On September 1, 2003 an inspection was made of the North Littlejohn Creek channel. The project channel begins at its bifurcation with South Littlejohn Creek and extends downstream for 18.0 miles to North Littlejohn Creek's confluence with French Camp Slough. Only about 16.0 miles could be inspected due to limited access. The views of the channel are primarily at road crossings. The photos on the following pages are typical of, but do not show all the growth in the channel. There are areas, especially at the upper end, that have moderate tree growth in and around the channel. Wild growth in channel should be cleared.

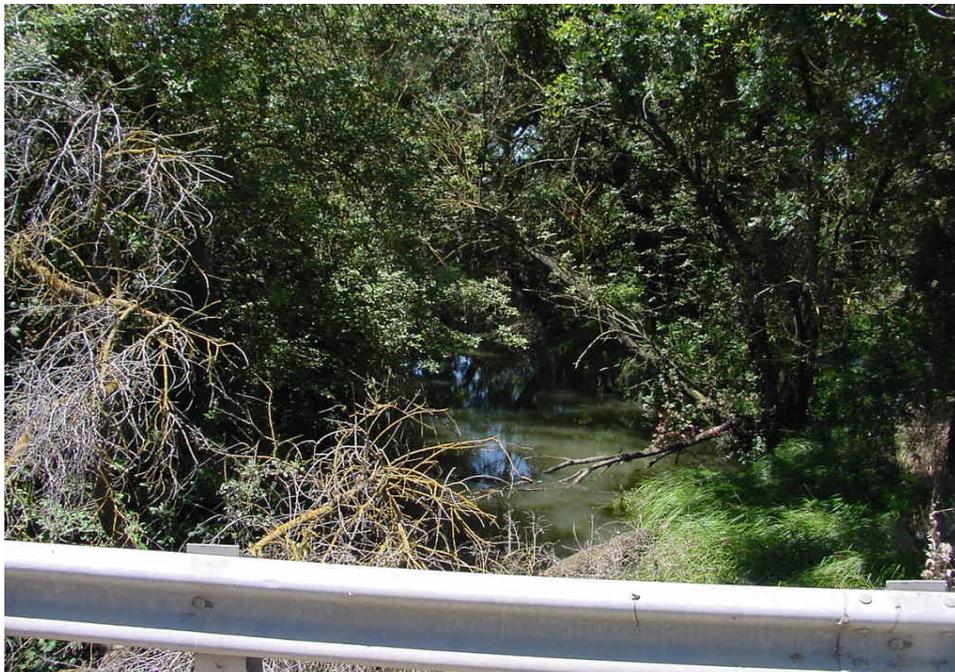
2003 CHANNEL REPORT

**SAN JOAQUIN RIVER AND TRIBUTARIES
September 2003**

NORTH LITTLEJOHN CREEK



Downstream from the upstream boundary



**Downstream from Van Allen Road
dense vegetation in channel**

2003 CHANNEL REPORT

**SAN JOAQUIN RIVER AND TRIBUTARIES
September 2003**

NORTH LITTLEJOHN CREEK



Upstream from Jack Tone Road



Upstream from Mariposa Road

2003 CHANNEL REPORT

SAN JOAQUIN RIVER AND TRIBUTARIES
September 2003

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2003 CHANNEL REPORT

**SAN JOAQUIN RIVER AND TRIBUTARIES
September 2003**

**DUCK CREEK DIVERSION CHANNEL
(Maintained by the San Joaquin County Flood Control District)**

On September 1, 2003 an inspection was made of the Duck Creek Diversion channel. The project channel begins at the Duck Creek Diversion Weir and Control Structure and extends downstream for 5,000 feet to its confluence with South Littlejohn Creek. All 5,000 feet were inspected. The views of the channel are primarily at road crossings. The channel is clear of any growth. The District has a good maintenance program.

2003 CHANNEL REPORT

**SAN JOAQUIN RIVER AND TRIBUTARIES
September 2003**

DUCK CREEK DIVERSION CHANNEL



**Upstream towards diversion structure on Duck Creek
From a point 150 feet downstream**



Downstream from the diversion structure

2003 CHANNEL REPORT

**SAN JOAQUIN RIVER AND TRIBUTARIES
September 2003**

DUCK CREEK DIVERSION CHANNEL



Upstream from Farmington Road / Hwy.4



Downstream from Farmington Road / Hwy 4

2003 CHANNEL REPORT

SAN JOAQUIN RIVER AND TRIBUTARIES
September 2003

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2003 CHANNEL REPORT

**SAN JOAQUIN RIVER AND TRIBUTARIES
September 2003**

**SOUTH LITTLEJOHN CREEK
(Maintained by the San Joaquin County Flood Control District)**

On September 1, 2003 an inspection was made of the South Littlejohn Creek channel. The project channel begins at Farmington Dam and extends downstream for 21.7 miles to South Littlejohn Creek's confluence with Lone Tree Creek. Only about 17.0 miles could be inspected due to limited access. The views of the channel are primarily at road crossings. The photos on the following pages are typical of, but do not show all the growth in the channel. The channel is clear, but from Jack Tone Rd. to Hwy. 99 there are large amounts of water grass in certain areas. Water grass should be sprayed.

**SAN JOAQUIN RIVER AND TRIBUTARIES
September 2003**

SOUTH LITTLEJOHN CREEK



Downstream from the confluence with Duck Creek



Upstream from Stanley Road

**SAN JOAQUIN RIVER AND TRIBUTARIES
September 2003**

SOUTH LITTLEJOHN CREEK



Downstream from Van Allen Road



Downstream from Mariposa Road

2003 CHANNEL REPORT

SAN JOAQUIN RIVER AND TRIBUTARIES
September 2003

SOUTH LITTLEJOHN CREEK



Upstream from Jack Tone Road



Upstream from Austin Road

**SAN JOAQUIN RIVER AND TRIBUTARIES
September 2003**

**SOUTH LITTLEJOHN CREEK, NORTH BRANCH
(Maintained by the San Joaquin County Flood Control District)**

On September 1, 2003 an inspection was made of the South Littlejohn Creek, North Branch channel. The project channel begins at bifurcation with South Littlejohn Creek and extends downstream for 6.1 miles to Highway 99. Only about 5.0 miles could be inspected due to limited access. The views of the channel are primarily at road crossings. The photos on the following pages are typical of, but do not show all the growth in the channel. The channel is overall clear.

2003 CHANNEL REPORT

**SAN JOAQUIN RIVER AND TRIBUTARIES
September 2003**

**SOUTH LITTLEJOHN CREEK
NORTH BRANCH**



Upstream from Austin Road



Downstream from Austin Road

2003 CHANNEL REPORT

**SAN JOAQUIN RIVER AND TRIBUTARIES
September 2003**

**SOUTH LITTLEJOHN CREEK
NORTH BRANCH**



Upstream from Jack Tone Road



Downstream from Jack Tone Road

2003 CHANNEL REPORT

CHANNEL INDEX

Inspection Date	Maintaining Agency	Channel & Flow Capacity	Remarks	Action	Page
8/8/03	Adin Community Service District	Ash Creek	Excellent Maintenance Program	No action needed at this time.	3
8/8/03	Adin Community Service District	Dry Creek	Light to moderate willow growth in channel	Remove or spray willow	7
8/19/03	Tehama County	McClure Creek	Satisfactory Maintenance Program	No action needed at this time.	11
8/19/03	Tehama County	Salt Creek	Poor Maintenance (Dense Veg.)	Develop a Maint. Program	15
8/18/03	City of Chico	Big Chico Creek (17,500 cfs)	Dense Vegetation along banks	Control wild growth	19
8/11/03	DWR	Lindo Channel (14,500 cfs)	Small wild growth in channel	Control wild growth	25
8/11/03	DWR	Sandy Gulch (6,000 cfs)	Dense wild growth along banks	Control wild growth	25
8/20/03	City of Chico	Little Chico Creek (13,000 cfs)	Dense to moderate wild growth	Selective thinning and fallen trees removed	31
8/1/03	Placer County	Truckee River (6,000 cfs)	Clear Channel	No action needed at this time	39
8/19/03	Fairfield Sewer District	McCoy Creek (2,000 cfs)	Clear Channel	Excellent Maintenance Program	43
8/19/03	Fairfield Sewer District	Laurel Cree (3,700 cfs)	Minimal vegetation	Remove small growth	47
8/19/03	Fairfield Sewer District	Union Ave. Diversion (2,600 cfs)	Minimal vegetation	Remove small growth	51
9/5/03	Merced I. D.	Bear Creek (2,000 cfs)	Moderate to heavy wild growth	A clearing program should be implemented	55
9/5/03	Merced I. D.	Black Rascal Creek (3,900 cfs)	Moderate wild growth	Control wild growth	61
9/5/03	Merced I. D.	Burns Creek (2,000 cfs)	Little maintenance performed	District should clear & maintenance spray channel	65
9/10/03	Merced I. D.	Mariposa Creek (2,250 cfs)	Moderate wild growth in channel	Clear to allow proper design flow	67
9/10/03	Merced I. D.	Miles Creek (1,000 cfs)	Intermittent dense brush growth throughout the system	District should clear & maintenance spray channel	71
9/10/03	Merced I. D.	Owens Creek (400 cfs)	Minor tule growth	Tule should be sprayed	75
11/3/03	Madera County	Ash Slough (31,000 cfs)	Minor willow & bamboo in channel	Remove new growth	79
11/3/03	Madera County	Berenda Slough (6,000 cfs)	Dense wild growth in channel	Remove wild growth	83
11/3/03	Madera County	Chowchilla River (21575 cfs)	Dense brush downstream of Hwy 99	Clear brush	87
9/11/03	Madera County	Fresno River (23,000 cfs)	Small willow new growth	Control new growth	93
9/1/03	San Joaquin Flood Control District	N. Littlejohn Creek (8,000 cfs)	Moderate tree growth	Control growth	97
9/1/03	San Joaquin Flood Control District	Duck Creek Diversion Ch (250 cfs)	Clear Channel	Good Maintenance Program	101
9/1/03	San Joaquin Flood Control District	S. Littlejohn Creek (8,000 cfs)	Water grass downstream of Hwy. 99	Spray water grass	105
9/1/03	San Joaquin Flood Control District	S. Littlejohn Creek North (16,000 cfs)	The channel is overall clear	No action needed at this time	109