

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

**2001  
OFFICE REPORT**

**ON**

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

**Department of Water Resources  
Division of Flood Management  
Flood Project Inspection Section**

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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, Flood Project Inspection Section perform the inspections on behalf of The Reclamation Board.**

## **CHAPTER I**

### **PROJECT CHANNELS INSPECTED ON THE SACRAMENTO RIVER AND TRIBUTARIES 2001**

**PROJECT CHANNELS  
MODOC COUNTY  
August 2001**

**ASH CREEK  
(Maintained by Adin Community Services District)**

**On August 8, 2001 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 previous 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.**

**PROJECT CHANNELS  
MODOC COUNTY  
August 2001**

**ASH CREEK**



**Looking upstream from Main Street (Highway 299) towards the gauging station.**



**Looking downstream from Main Street ( Hwy. 299 ) at the Ash St. low water crossing.**

**PROJECT CHANNELS  
MODOC COUNTY  
August 2001**

**ASH CREEK**



**Looking downstream from Ash Street, moderate tree growth and bank erosion.**



**Looking downstream at a sharp left bend.  
Moderate erosion on both banks.**

**PROJECT CHANNELS  
Modoc County  
August 2001**

**Ash Creek**



**Looking upstream from the downstream limit.**



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

**PROJECT CHANNELS  
MODOC COUNTY  
August 2001**

**DRY CREEK  
(Maintained by Adin Community Services District)**

**On August 8, 2001 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.**

**PROJECT CHANNELS  
MODOC COUNTY  
August 2001**

**DRY CREEK**



**Looking downstream from Adin Street, light growth in channel.**



**Looking upstream from Main Street (Hwy. 299) moderate growth in channel.**

**PROJECT CHANNELS  
MODOC COUNTY  
October 1999**

**DRY CREEK**



**Looking downstream from Main Street (Highway 299), moderate growth in channel.**



**Looking downstream from McDowel Street towards Ash Creek, light growth.**

**PROJECT CHANNELS  
SACRAMENTO RIVER AND TRIBUTARIES  
August 2001**

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

**On August 17, 2001, 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 mostly 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.**

**PROJECT CHANNELS  
SACRAMENTO RIVER AND TRIBUTARIES  
August 2001**

**McClure CREEK**



**Looking upstream from extension of Fairfield Avenue.**



**Looking downstream from extension of Fairfield Avenue.**

**PROJECT CHANNELS  
SACRAMENTO RIVER AND TRIBUTARIES  
August 2001**

**McClure CREEK**



**Looking upstream from Highway 99W bridge.**



**Looking downstream from Highway 99W bridge.**

**PROJECT CHANNELS  
SACRAMENTO RIVER AND TRIBUTARIES  
August 2001**

**McClure CREEK**



**Looking downstream approximately 2500 feet downstream of the Hwy 99 bridge.**



Looking upstream from the downstream limit.

**PROJECT CHANNELS  
SACRAMENTO RIVER AND TRIBUTARIES  
August 2001**

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

On August 16, 2001, 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. Tehama County needs to develop a maintenance program for this channel. Little or no maintenance has been performed on this channel for the past 18 years.

**PROJECT CHANNELS  
SACRAMENTO RIVER AND TRIBUTARIES  
August 2001**

**SALT CREEK**



**Looking downstream from the upstream limit,  
bank vegetation is encroaching on the channel.**



**Looking downstream from the extension of Salt Creek Road,  
vegetation in the channel.**

**PROJECT CHANNELS  
SACRAMENTO RIVER AND TRIBUTARIES  
August 2001**

**SALT CREEK**



**Looking upstream, approximately 4500 feet from the downstream limit.**



**Looking upstream, approximately 2800 feet from the downstream limit.  
Dense vegetation on both banks.**

**PROJECT CHANNELS  
SACRAMENTO RIVER AND TRIBUTARIES  
August 2001**

**SALT CREEK**



**Looking upstream, approximately 700 feet upstream of the downstream limit.  
Dense vegetation along both banks.**



**Looking downstream, approximately 700 feet upstream from  
the confluence with the Sacramento River.**

**PROJECT CHANNELS  
SACRAMENTO RIVER AND TRIBUTARIES  
August 2001**

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

**On August 18, 2001, 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. 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. Little or no maintenance has been performed for the past several years.**

**PROJECT CHANNELS  
SACRAMENTO RIVER AND TRIBUTARIES  
August 2001**

**BIG CHICO CREEK**



**Looking downstream from the Big Chico Creek Control Structure.**



**Looking upstream from pedestrian bridge near Forest Ave.  
Heavy growth along both banks.**

**PROJECT CHANNELS  
SACRAMENTO RIVER AND TRIBUTARIES  
August 2001**

**BIG CHICO CREEK**



**Looking upstream from Highway 99. Heavy growth along both banks.**



**Looking downstream from Highway 99.  
Dense vegetation in channel.**

**PROJECT CHANNELS  
SACRAMENTO RIVER AND TRIBUTARIES  
August 2001**

**BIG CHICO CREEK**



**Looking upstream from the Esplanade. Heavy growth on both banks.**



**Looking downstream from Highway 32. Heavy growth on both banks.**

**PROJECT CHANNELS  
SACRAMENTO RIVER AND TRIBUTARIES  
August 2001**

**BIG CHICO CREEK**



**Looking upstream approximately 500 feet upstream  
of the confluence with the Sacramento River.**



**Looking downstream towards the confluence with the Sacramento River.**

**PROJECT CHANNELS  
SACRAMENTO RIVER AND TRIBUTARIES  
August 2001**

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

**On September 19, 2001, 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.**

**PROJECT CHANNELS  
SACRAMENTO RIVER AND TRIBUTARIES  
August 2001**

**LINDO CHANNEL**



**Looking downstream from the Lindo Channel Diversion Structure.**



**Looking downstream from Manzanita Avenue.**

**PROJECT CHANNELS  
SACRAMENTO RIVER AND TRIBUTARIES  
August 2001**

**LINDO CHANNEL**



**Looking downstream from the bike path bridge at the extension of Madrone Avenue.**



**Looking downstream from 5th Avenue.**

**PROJECT CHANNELS  
SACRAMENTO RIVER AND TRIBUTARIES  
August 2001**

**LINDO CHANNEL**



**Looking upstream from the Esplanade.**



**Looking upstream from Highway 32.**

**PROJECT CHANNELS  
SACRAMENTO RIVER AND TRIBUTARIES  
August 2001**

**SANDY GULCH**



**Looking upstream from Oak Ave.**



**Looking upstream from Grape Way.**

**PROJECT CHANNELS  
SACRAMENTO RIVER AND TRIBUTARIES  
August 2001**

**LITTLE CHICO CREEK  
(Maintained by the City of Chico)**

**On September 20, 2001 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.**

**PROJECT CHANNELS  
SACRAMENTO RIVER AND TRIBUTARIES  
August 2001**

**LITTLE CHICO CREEK**



**Looking downstream from the control structure on Little Chico Creek.  
Moderate growth in the channel.**



**Looking upstream from Bruce Road.**

**PROJECT CHANNELS  
SACRAMENTO RIVER AND TRIBUTARIES  
August 2001**

**LITTLE CHICO CREEK**



**Looking downstream from Forrest Avenue.**



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

**PROJECT CHANNELS  
SACRAMENTO RIVER AND TRIBUTARIES  
August 2001**

**LITTLE CHICO CREEK**



**Looking upstream from Boucher Street. Dense growth on both banks.**



**Looking downstream from Olive Street.**

**PROJECT CHANNELS  
SACRAMENTO RIVER AND TRIBUTARIES  
August 2001**

**LITTLE CHICO CREEK**



**Looking downstream from Broadway Street.  
Dense growth on both banks.**



**Looking upstream from Lone Pine Street. Heavy growth on both banks.**

**PROJECT CHANNELS  
SACRAMENTO RIVER AND TRIBUTARIES  
August 2001**

**LITTLE CHICO CREEK**



**Looking upstream from Lone Pine Street.  
Dense vegetation on both banks.**

## **CHAPTER II**

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

**PROJECT CHANNELS  
PLACER COUNTY  
October 2001**

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

**On October 18, 2001 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.**

**PROJECT CHANNELS  
PLACER COUNTY  
October 2001**

**TRUCKEE RIVER**



**Looking upstream from Highway 89 toward the outlet structure.**



**Looking downstream from Highway 89.**

**PROJECT CHANNELS  
PLACER COUNTY  
October 2001**

**TRUCKEE RIVER**



**Looking upstream from the bike bridge, 1,100 feet downstream of the Lake Tahoe Outlet Structure.**



**Looking downstream from the bike bridge.**

**PROJECT CHANNELS  
PLACER COUNTY  
October 2001**

**TRUCKEE RIVER**



**Looking upstream from the Tahoe City Lumber Yard.**



**Looking downstream from the Tahoe City Lumber Yard**

towards the downstream limits.

**PROJECT CHANNELS  
SACRAMENTO RIVER AND TRIBUTARIES  
FAIRFIELD VICINITY STREAMS  
September 2001**

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

On September 13, 2001 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 effect the flow. The patrol roads should be sterilized prior to flood season. The maintaining agency has an excellent maintenance program.



**PROJECT CHANNELS  
SACRAMENTO RIVER AND TRIBUTARIES  
September 2001**

**McCOY CREEK**



**Looking downstream from Bella Vista Drive.**



**Looking downstream from Emperor Drive.**

**PROJECT CHANNELS  
SACRAMENTO RIVER AND TRIBUTARIES  
FAIRFIELD VACINITY STREAMS  
September 2001**

**McCoy Creek**



**Looking upstream from Pintail Avenue.**



Looking upstream from Anderson Drive.

**PROJECT CHANNELS  
SACRAMENTO RIVER AND TRIBUTARIES  
FAIRFIELD VICINITY STREAMS  
September 2001**

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

On September 13, 2001 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. Maintaining agency has an excellent maintenance program.

**PROJECT CHANNELS  
SACRAMENTO RIVER AND TRIBUTARIES  
FAIRFIELD VACINITY STREAMS  
September 2001**

**LAUREL CREEK**



**Looking upstream from Cement Hill Road towards Gulf Drive.**



**Looking downstream from Cement Hill Road.**

**PROJECT CHANNELS  
SACRAMENTO RIVER AND TRIBUTARIES  
FAIRFIELD VACINITY STREAMS  
September 2001**

**LAUREL CREEK**



**Looking downstream from Meadowlark Drive.**



**Looking downstream from Blossom Road.**

**PROJECT CHANNELS  
SACRAMENTO RIVER AND TRIBUTARIES  
FAIRFIELD VICINITY STREAMS  
September 2001**

**LAUREL CREEK**



**Looking downstream from Matthew Road towards  
railroad culvert under crossing.**



**Looking downstream from Worley Road towards the confluence with McCoy Creek.**

**PROJECT CHANNELS  
SACRAMENTO RIVER AND TRIBUTARIES  
FAIRFIELD VICINITY STREAMS  
September 2001**

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

**On September 13, 2001, 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. Maintaining agency has an excellent maintenance program.**

**PROJECT CHANNELS  
SACRAMENTO RIVER AND TRIBUTARIES  
FAIRFIELD VACINITY STREAMS  
September 2001**

**UNION AVENUE DIVERSION CHANNEL**



**Looking downstream from North Texas Street.**



**Looking downstream from Camrose Avenue.**

**PROJECT CHANNELS  
SACRAMENTO RIVER AND TRIBUTARIES  
FAIRFIELD VICINITY STREAMS  
September 2001**

**Union Avenue Diversion Channel**



**Looking downstream from Dover Ave.**



**Looking upstream from the downstream limits at Gulf Drive.**

## **CHAPTER III**

### **PROJECT CHANNELS INSPECTED ON THE SAN JOAQUIN RIVER AND TRIBUTARIES**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
MERCED STREAM GROUP  
September 2001**

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

**On September 5, 2001 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.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
MERCED STREAM GROUP  
September 2001**

**BEAR CREEK**



**Looking downstream from 0.5 mile upstream of the Bonner Road bridge.**



**Looking downstream from Arboleda Drive.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
MERCED STREAM GROUP  
September 2001**

**BEAR CREEK**



**Looking upstream from Kibby Road.**



**Looking downstream from McKee Drive.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
MERCED STREAM GROUP  
September 2001**

**BEAR CREEK**



**Looking downstream from "R" Street.**



**Looking downstream from Franklin Road.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
MERCED STREAM GROUP  
October 1999**

**BEAR CREEK**



**Looking downstream from Highway 140**



**Looking downstream from Buhach Road.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
MERCED STREAM GROUP  
September 2001**

**BEAR CREEK**



**Looking upstream from Dickerson Ferry Road.**



**Looking upstream from Bert Crane Road.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
MERCED STREAM GROUP  
September 2001**

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

**On September 6, 2001 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.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
MERCED STREAM GROUP  
September 2001**

**BLACK RASCAL CREEK**



**Looking downstream from the Crocker Dam.**



**Looking downstream from Franklin Road.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
MERCED STREAM GROUP  
September 2001**

**BLACK RASCAL CREEK**



**Looking downstream from Highway 140.**



**Looking downstream from Oak Avenue.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
MERCED STREAM GROUP  
September 2001**

**BLACK RASCAL CREEK**



**Looking upstream from Quinley Road.**



**Looking upstream at the confluence with Bear Creek.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
MERCED STREAM GROUP  
September 2001**

**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.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
MERCED STREAM GROUP  
September 2001**

**BURNS CREEK**



**Looking upstream from approximately 1 mile  
downstream of the upstream limits.**



**Looking upstream from the low water crossing.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
MERCED STREAM GROUP  
August 2001**

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

**On September 7, 2001 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.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
MERCED STREAM GROUP  
September 2001**

**MARIPOSA CREEK/DUCK SLOUGH**



**Looking upstream from White Rock Road.**



**Looking downstream from Fresno Road.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
MERCED STREAM GROUP  
September 2001**

**MARIPOSA CREEK/DUCK SLOUGH**



**Looking upstream from the railroad bridge crossing near Santa Fe Drive.**



**Looking downstream from Plainsburg Road.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
MERCED STREAM GROUP  
September 2001**

**MARIPOSA CREEK/DUCK SLOUGH**



**Looking downstream from Arboleda Road.**



**Looking upstream from Healy Road.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
MERCED STREAM GROUP  
September 2001**

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

**On September 7, 2001 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 Reiley Road to the Miles Creek Dam and should be cleared before next flood season.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
MERCED STREAM GROUP  
September 2001**

**MILES CREEK**



**Looking downstream from Childs Avenue.**



**Looking downstream from Santa Fe Drive.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
MERCED STREAM GROUP  
September 2001**

**MILES CREEK**



**Looking downstream from Arboleda Drive.**



**Looking downstream from Healy Road.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
MERCED STREAM GROUP  
September 2001**

**MILES CREEK**



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

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
MERCED STREAM GROUP  
August 2001**

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

**On September 8, 2001 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.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
MERCED STREAM GROUP  
August 2001**

**OWENS CREEK**



**Looking downstream from Cunningham Road.**



**Looking downstream from Childs Avenue.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
MERCED STREAM GROUP  
August 2001**

**OWENS CREEK**



**Looking upstream from the extension of Mission Avenue.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
September 2001**

**ASH SLOUGH**

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

**On September 8, 2001 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.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
September 2001**

**ASH SLOUGH**



**Looking downstream from the bifurcation structure.**



**Looking upstream from Santa Fe Drive.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
September 2001**

**ASH SLOUGH**



**Looking downstream from Road 19.**



**Looking downstream from Avenue 25.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
September 2001**

**ASH SLOUGH**



**Looking upstream towards Highway 152.**



**Looking downstream from Road 9.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
BERENDA SLOUGH**

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

**On September 12, 2001 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. 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.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
September 2001**

**BERENDA SLOUGH**



**Looking downstream from the bifurcation structure.**



**Looking downstream from Avenue 26.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
September 2001**

**BERENDA SLOUGH**



**Looking downstream from Avenue 26.**



**Looking downstream from Avenue 22.  
Trees and wild growth in channel.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
September 2001**

**BERENDA SLOUGH**



**Looking downstream from Avenue 21.**



**Looking upstream from Avenue 18 1/2.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
September 2001**

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

**On September 12, 2001 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, 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. There does not appear to have been any maintenance performed in the past several years.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
September 2001**

**CHOWCHILLA RIVER**



**Looking downstream from Buchanan Dam.**



**Looking upstream from Santa Fe Drive.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
September 2001**

**CHOWCHILLA RIVER**



**Looking downstream from Road 13 / Vista Avenue.**



**Looking upstream from Avenue 26.  
Dense vegetation in channel.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
September 2001**

**CHOWCHILLA RIVER**



**Looking downstream from Road 9 / Bliss Road.**



**Looking upstream from Avenue 25 / Washington Road.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
September 2001**

**CHOWCHILLA RIVER**



**Looking upstream from Shulte Road / Road 5 1/2.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
September 2001**

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

**On September 13, 2001 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.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
September 2001**

**FRESNO RIVER**



**Looking downstream from Road 603 below hidden dam.**



**Looking downstream from Cleveland Avenue.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
September 2001**

**FRESNO RIVER**



**Looking downstream from Gateway Drive.**



**Looking downstream Granada Avenue.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
September 2001**

**FRESNO RIVER**



**Looking downstream from Road 20.**



**Looking upstream from the downstream boundary.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
July 2001**

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

**On September 13, 2001 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.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
July 2001**

**NORTH LITTLEJOHN CREEK**



**Looking downstream from the upstream boundary .**



**Looking downstream from Van Allen Road.  
Dense vegetation in channel.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
July 2001**

**NORTH LITTLEJOHN CREEK**



**Looking upstream from Jack Tone Road.**



**Looking upstream from Mariposa Road.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
July 2001**

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

**On September 13, 2001 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.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
July 2001**

**DUCK CREEK DIVERSION CHANNEL**



**Looking upstream towards diversion structure on Duck Creek  
from a point 150 feet downstream.**



**Looking downstream from the diversion structure.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
July 2001**

**DUCK CREEK DIVERSION CHANNEL**



**Looking upstream from Farmington Road / Hwy. 4.**



**Looking downstream from Farmington Road / Hwy. 4.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
July 2001**

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

**On September 14, 2001 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 mostly clear, but there is an occasional tree in the channel that should be removed.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
July 2001**

**SOUTH LITTLEJOHN CREEK**



**Looking downstream from the confluence with Duck Creek.**



**Looking upstream from Stanley Road.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
July 2001**

**SOUTH LITTLEJOHN CREEK**



**Looking downstream from Van Allen Road.**



**Looking downstream from Mariposa Road.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
July 2001  
SOUTH LITTLEJOHN CREEK**



**Looking upstream from Jack Tone Road.**



**Looking upstream from Austin Road.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
July 2001**

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

**On September 14, 2001 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 mostly clear.**

**PROJECT CHANNELS  
SAN JOAQUIN RIVER AND TRIBUTARIES  
July 2001**

**SOUTH LITTLEJOHN CREEK  
NORTH BRANCH**



**Looking upstream from Austin Road.**



**Looking downstream from Austin Road.**

**PROJECT CHANNELS  
SAN JOAQUIN AND TRIBUTARIES  
July 2001**

**SOUTH LITTLEJOHN CREEK  
NORTH BRANCH**



**Looking upstream from Jack Tone Road.**



**Looking downstream from Jack Tone Road.**