



Clean Storm Water

# STORM WATER FACTS



## FLOOD CONTROL PROGRAM



### Enriching Our Community Through Water Resources...

In the early 1950's, a group of citizens joined together to find solutions to the metropolitan area's increasing storm water management problems. Their efforts culminated in legislation which created the Fresno Metropolitan Flood Control District. The District was designed to provide fully coordinated flood control and drainage services on a regional basis. The legislation creating the District and its storm water management program was then approved by an overwhelming 5 to 1 vote of the people on June 5, 1956.

The Fresno Metropolitan Flood Control District is governed by a seven member Board of Directors composed of private citizens like yourself. The directors are appointed by the elected representatives of the cities of Fresno and Clovis, and Fresno County, and ensure that you have input and that the public interest is being served.

Since its formation the Fresno Metropolitan Flood Control District has developed and is following a flood control and local storm drainage master plan which calls for the systematic completion of an area-wide flood control system and local drainage systems. From its beginning in 1956, when there was no flood control or drainage program in the community, the District now provides permanent, local drainage service for well over one-half of the Fresno/Clovis area.

The area-wide flood control system has also seen major progress. The Redbank-Fancher Creek Flood Control Project is complete, providing protection of District lands from flood waters from the nearby mountains and streams.

The Fresno Metropolitan Flood Control District is responsible for providing you, your home and property with:

- **Flood Control** - the use of dams, reservoirs, channels and streams to prevent foothill runoff from coming into the metropolitan area and to eliminate severe flooding.
- **Local Storm Drainage** - the construction of underground pipelines, ponding basins and pumping plants to control urban drainage within the developed community.
- **Water Conservation** - the use of District reservoirs and basins in conjunction with other water resource management programs to replenish our underground water supply.
- **Recreation** - the use of landscaped District basins to provide open space and outdoor recreational activities when not in use for flood control, drainage or water conservation.

### The Flood Control Program

The Flood Control program of the District focuses on an extensive network of streams which extend into the Fresno/Clovis area from the adjoining foothills. The streams



carry runoff from a 175 square mile area which reaches an elevation of 5,000 feet in the Sierra-Nevada. The streams flow onto the valley floor where they periodically inundate farmland and urban development. Storm flows have caused the local streams and canals to overflow an average of once every four years since 1953.

The control of such storm flows is being provided through a planned system of dams, reservoirs, channels and streams. Major elements of the system are embodied in the Redbank-Fancher Creeks Flood Control Project, a cooperative effort by the United States Army Corps of Engineers, the State of California and the Fresno Metropolitan Flood Control District. There are other flood control facilities constructed by the District, such as the Holland Creek Re-Diversion Project and the Fancher Creek Detention Basin and Dam.

## DISTRICT'S MAJOR FLOOD CONTROL STRUCTURES

<b>1. Big Dry Creek Dam and Reservoir</b>	Located on Big Dry Creek; controls Big Dry and Dog creeks; built in 1948 and enlarged in 1993; gross pool capacity of 30,200 acre-feet; controls up to 230-year event flood flows.
<b>2. Fancher Creek Dam and Reservoir</b>	Located on Fancher Creek; controls Fancher and Hog creeks, and several unnamed tributaries to Redbank Creek; built in 1991; gross pool capacity of 9,700 acre-feet; controls up to 200-year event flood flows.
<b>3. Alluvial Drain Detention Basin</b>	Located east of Enterprise Canal on Alluvial Drain; controls flows from Alluvial Drain and an unnamed tributary; built in 1993; gross pool capacity of 385 acre feet; controls up to 200-year event flood flows. Proposed modifications to the basin will increase the capacity to 674 acre-feet.
<b>4. Redbank Creek Detention Basin</b>	Located at the confluence of Mill Ditch and Redbank Creek; controls flows from Redbank Creek; built in 1990; gross pool capacity of 940 acre-feet; controls up to 200-year event flood flows.
<b>5. Pup Creek Detention Basin</b>	Located west of the Enterprise Canal on Pup Creek; controls flows from Pup Creek and from an unnamed tributary; built in 1993; gross pool capacity of 630 acre-feet; controls up to 200-year event flood flows. Proposed modifications to the basin will increase the capacity to 785 acre-feet.
<b>6. Redbank Creek Dam and Reservoir</b>	Located north of the Enterprise Canal at the confluence of the major Redbank Creek tributaries; controls the flows of Redbank Creek; built in 1961; gross pool capacity of 1,030 acre-feet; controls up to the 200-year event flood flows.
<b>7. Fancher Creek Detention Basin</b>	Located south of McKinley Avenue at the divide of Mill Ditch and Fancher Creek; controls the flows of Fancher Creek and Mud Creek watersheds; currently under construction; gross pool capacity will be approximately 1,891 acre-feet; will control up to the 200-year event flood flows.
<b>8. Big Dry Creek Detention Basin</b>	Located south of Ashlan Avenue and East of Freeway 168 at the confluence of Big Dry Creek and the Gould Canal; facility shares capacity with Drainage Area "C", CSUF, and Caltrans; controls flows in Big Dry Creek; currently under construction; gross pool capacity will be approximately 259.8 acre-feet; will help manage flows in Big Dry Creek originating from rural streams or urban discharges.
<b>9. Holland Creek Rediversion Channel</b>	Redirects historic Holland Creek flows back to the Kings River. The channel was constructed in 1999, and its capacity is 1,044 cubic feet per second.

**DISTRICT AREA -  
255,519 ac. (399 sq. mi.)**

