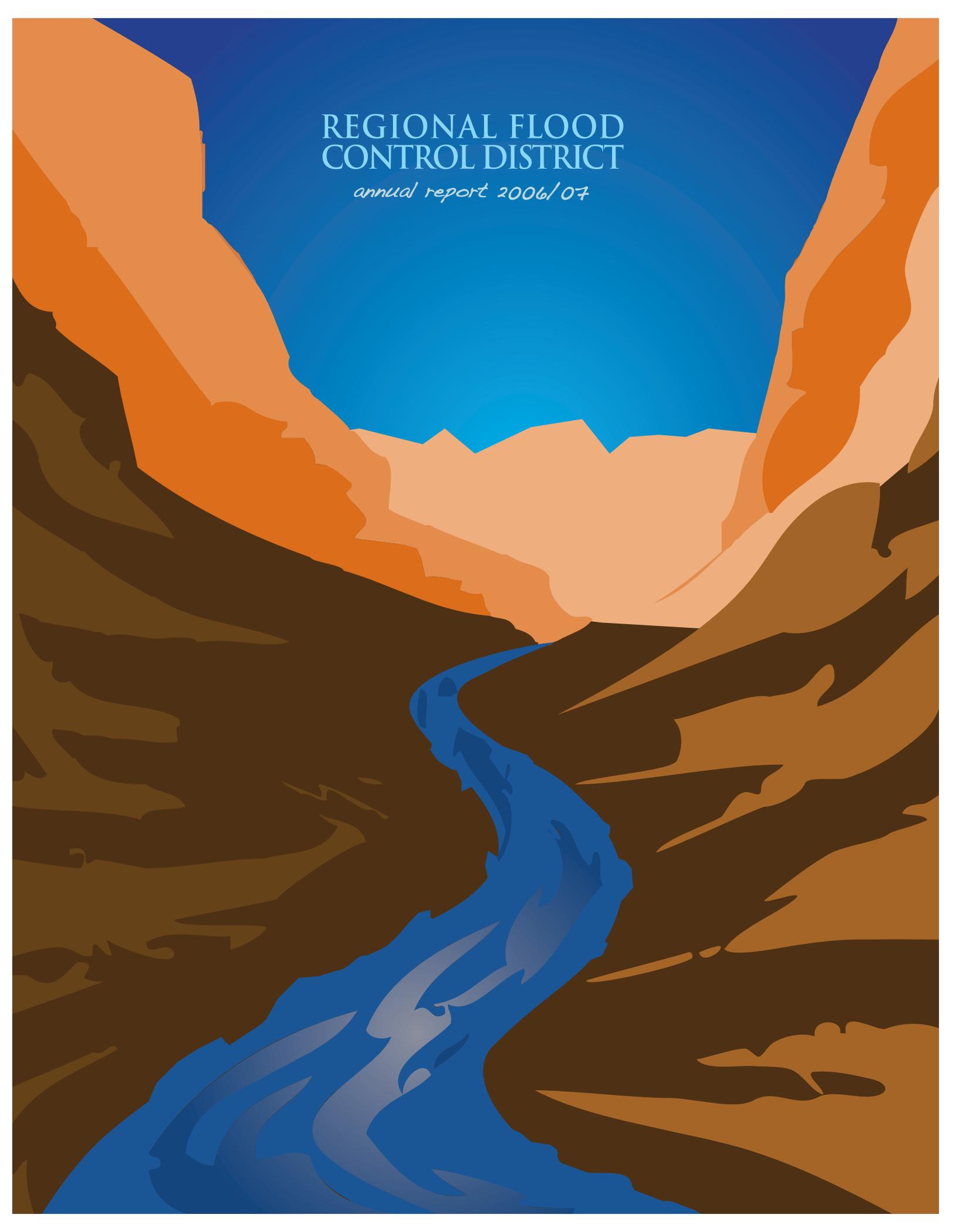
A stylized landscape illustration. The top portion is a solid blue sky. Below it, a range of mountains is depicted in various shades of orange and light brown. The foreground consists of dark brown, swirling shapes that suggest a river or a field of water. A thin, curved pink line arches across the scene from the top left towards the bottom right.

# REGIONAL FLOOD CONTROL DISTRICT

*annual report 2006/07*



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REGIONAL FLOOD  
CONTROL DISTRICT

*annual report 2006/07*

## *district message*

While the past year has brought little rain, we know from our desert's history that major storms can still happen. This past August was a forceful reminder. In just an hour, 2.68 inches of rain fell in the Brownstone Canyon area, on the far northwest side of the Valley. The Red Rock Detention Basin filled with 17 feet of floodwater, demonstrating the success of our flood control facilities and reinforcing the District's mission to protect lives and property in Clark County.

In the last year, considerable progress has been made regarding regional drainage improvements. The District funded the construction of nine new projects for a total of \$62.3 million. Another eight projects were constructed by private developers or other agencies that totaled approximately \$50 million. Currently, there are 75 detention basins and more than 450 miles of channel and underground storm drain protecting Southern Nevada residents and visitors. Another 16 projects are in construction and most of those should wrap up next year.

Another significant accomplishment this year was the completion of the \$336 million Tropicana and Flamingo Washes Project. This system of eight flood basins and 27 miles of collector channels has been a 20-year partnership with the U.S. Army Corps of Engineers and Clark County. Since the Federal Government funded 75 percent of the project costs, taxpayers saved more than \$239 million – money that could then be used for other Master Plan facilities. Our Nevada Delegation is to be commended for working to secure those federal dollars for Southern Nevada's flood protection.

The District also changed its entity funding process to encourage acceleration of projects from design to construction. Any project scheduled on the District's Master Plan for construction within the next three years is now eligible for funding immediately. This provides an incentive to the entities with more of a first come, first serve approach. Only with projects constructed is the community safer from the next major storm.

Environmental issues also continue to be a top priority for the District. Because flood control facilities drain to the Virgin River, Colorado River and Lake Mead, educating residents about not polluting our drinking water source is vital. Trash and debris can not only clog storm drains, it can also harm the water supply in Lake Mead. The District, working with the other entities, is enhancing programs to take into account comments from the Environmental Protection Agency and Nevada Division of Environmental Protection. New public service announcements also reach out to residents asking for their help to report clogged storm drains and remind citizens to not pollute our desert home.

It is through our numerous partnerships, both public and private, that we can achieve our goals. This could not have been done without the regional perspective and support of the Board of Directors, the District's highly qualified staff, the entities and their Public Works Departments throughout Clark County, and our Nevada Delegation.



**Larry Brown**  
RFCD Chairman  
City of Las Vegas Councilman



**Gale Wm. Fraser, II, P.E.**  
General Manager/Chief Engineer

ABOUT FLASH FLOODS  
AT REGIONALFLOOD.ORG



## *board of directors*

The Clark County Regional Flood Control District is governed by a Board of Directors consisting of eight members. The board serves as a policy-making body and employs a General Manager/Chief Engineer to serve as executive officer.

### *The Board of Directors as of June 2007*



**Lawrence L. Brown III**  
RFCD Chairman  
Councilman, City of Las Vegas



**Chip Maxfield**  
Vice-Chairman  
Commissioner, Clark County



**Robert Eliason**  
Councilman  
City of North Las Vegas



**Oscar Goodman**  
Mayor  
City of Las Vegas



**Andy Hafen**  
Councilman  
City of Henderson



**Bill Nicholes**  
Mayor  
City of Mesquite  
*Member Through June 2007*



**Roger Tobler**  
Councilmember  
City of Boulder City



**Bruce L. Woodbury**  
Commissioner  
Clark County



**David Bennett**  
Councilmember  
City of Mesquite  
*New Member July 2007*





las vegas valley ^

## *authority of the district*

The Nevada Legislature authorized the creation of the District in 1985 to develop a coordinated and comprehensive Master Plan to solve flooding problems, to regulate land use in flood hazard areas, to fund and coordinate the construction of flood control facilities, and to develop and contribute to the funding of a maintenance program for Master Plan flood control facilities. The District also provides public education regarding flood dangers and monitors rainfall and flow data during storms, disseminating information to appropriate public works and safety crews. The service area for the District includes Clark County and the incorporated areas of Boulder City, Henderson, Las Vegas, Mesquite and North Las Vegas.

The District is governed by a Board of Directors comprised of the same membership as the Regional Transportation Commission, except that each board/commission elects its own officers. The Board includes two representatives from both Clark County and the City of Las Vegas, and one representative from Boulder

City, Henderson, Mesquite and North Las Vegas. Public meetings are generally held on the second Thursday of the month, at which time the Board acts on policy and other flood control matters.

The Board annually elects a chairman and a vice-chairman from among its members. The General Manager/Chief Engineer is responsible for surveying, investigating, reporting, and estimating the extent of flood control problems and for presenting flood control recommendations to the Board.

The Regional Flood Control District is a distinct local governmental agency. The District contracts with Clark County for various legal and administrative services provided by departments such as the Comptroller, District Attorney, General Services, Human Resources, Information Systems and Treasurer.

## *citizens' advisory committee*



## *technical advisory committee*



**Citizens' Advisory Committee** – The Citizens' Advisory Committee (CAC) is comprised of one citizen appointed by each city council and county commission included in the District, and one citizen appointed by each Board Member. The CAC was created to represent public interest and to advise the Board on various matters.

### **MEMBERS OF THE CAC** (June 2007)

#### **Boulder City:**

Travis Chandler, *Vice-Chairman* • Gary Spinkelink

#### **Clark County:**

M. J. Harvey, *CAC Chairman* • Jack Hurley • Ron Newell

#### **Henderson:**

Calvin Black • Larry Nelson

#### **Las Vegas:**

Terrence Kane • Abe Mayhan • Dr. Linda Young

#### **Mesquite:**

Barry Hutchings • J. Blake Syndergaard

#### **North Las Vegas:**

Brian Hout • Nelson Stone

**Technical Advisory Committee** – The Regional Flood Control District Board is advised on technical matters by a Technical Advisory Committee (TAC), the representation of which mirrors that of the Board of Directors. The current members include local public works directors, city engineers or planning directors. The General Manager/Chief Engineer (serving as the Executive Director of the Committee) and a representative of the Citizens' Advisory Committee are both non-voting members of the TAC.

### **MEMBERS OF THE TAC** (June 2007)

#### **Boulder City:**

Scott P. Hansen, *Public Works Director*

Jim Keane, *City Engineer (Alternate)*

#### **Clark County:**

Denis Cederburg, *Public Works Director, Chairman* • *Alternate (Vacant)*

Rob Mrowka, *Environmental Division Manager* • Alan Pinkerton, *Deputy Director, Air Quality & Environmental Management (Alternate)*

#### **Henderson:**

Robert Murnane, *Public Works Director, Vice-Chairman*

Curt Chandler, *Land Development Manager (Alternate)*

#### **Las Vegas:**

Charles Kajkowski, *Public Works Director*

Randy Fultz, *Assistant City Engineer (Alternate)*

Jorge A. Cervantes, *City Engineer*

Cheri Edelman, *Assistant City Engineer (Alternate)*

#### **Mesquite:**

J. Allen Bell, *City Engineer*

Kurt Sawyer, *Director, Building & Capital Projects (Alternate)*

Catherine Lorbeer, *Planning & Redevelopment Manager (Alternate)*

David Empey, *Director, Finance (Alternate)*

#### **North Las Vegas:**

Qiong Liu, *Deputy Director/City Engineer*

Majed Al-Ghafry, *Public Works Director (Alternate)*

Thomas Brady, *Principal Engineer, CIP Programs Section (Alternate)*

Jennifer Doody, *Manager DFC (Alternate)*

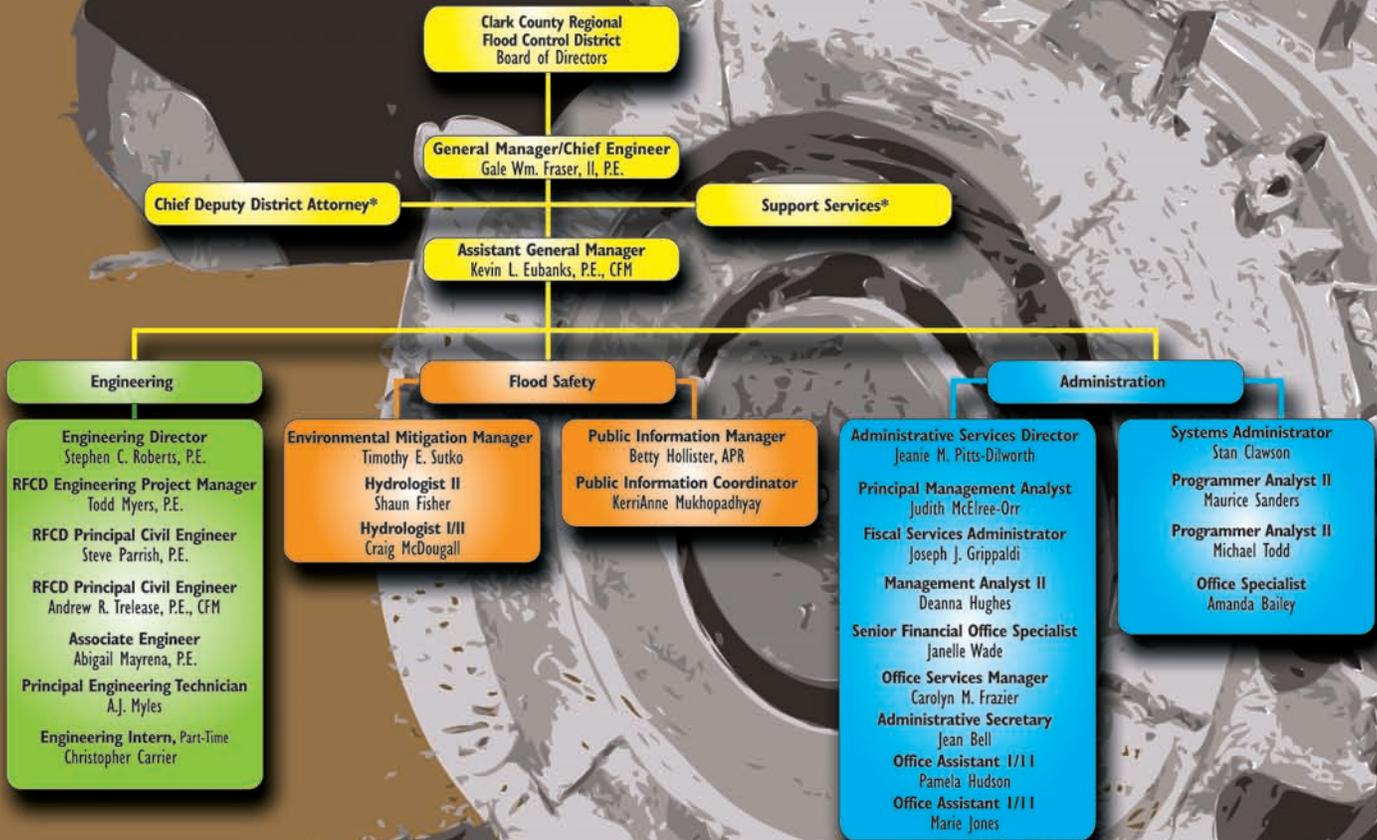
# Organizational Flow

## Vision

Premier regional agency providing a community safe from the devastation of floods.

## Mission

To improve the protection of life and property for existing residents, future residents and visitors from the impacts of flooding.



\*The Regional Flood Control District receives various support from several Clark County departments as authorized by state statute.

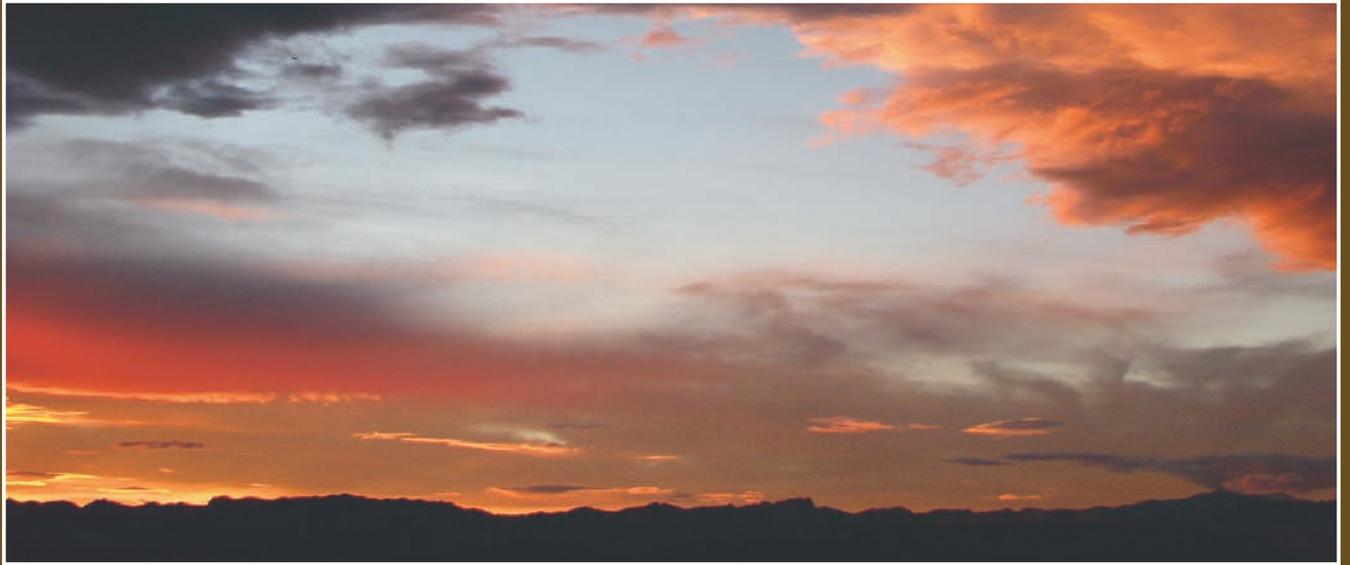
## *about our region*

With approximately 6,700 people moving to Clark County each month, the area continues to be one of the fastest growing in the nation. Population estimates for 2006 from Clark County Comprehensive Planning show Clark County with approximately 1.9 million residents and an average annual growth rate of five percent from the previous year. The area is also a prime destination for tourists and conventioners with almost 39 million people visiting the area in 2006, according to the Las Vegas Convention and Visitors Authority. Another 19 million people have vacationed in Clark County through June 2007.

Southern Nevada's economy makes it possible for the community to continue building and improving its infrastructure to accommodate new residents and businesses. Last year, 61 new companies opened in Southern Nevada, contributing approximately \$400 million to the economy and providing jobs for more than 1,800 people. In addition, approximately 21,900 building permits were issued for single-family and multi-family residences.



*red rock canyon, photo by: robert house ^*



*las vegas sunset, photo by: vickie rose ^*

### *monitoring the weather*

The District, in cooperation with the U.S. Geological Survey (USGS) and the National Weather Service (NWS), began implementing a Flood Threat Recognition System (FTRS) throughout the Clark County area in 1987. The system includes a network of strategically located field stations which automatically report data from more than 375 meteorologic sensors in real-time to computerized base stations operated by each of the cooperating agencies. While more than 75 percent of the FTRS field stations are located in the Las Vegas Valley, other gauges installed in the Laughlin, Searchlight, Jean, Primm, Goodsprings, Mesquite, Bunkerville, Moapa Valley and Indian Springs areas allow emergency responders to monitor weather conditions in those areas as well.

The District significantly expanded the size of the FTRS field sensor network during this fiscal year, installing five weather stations and six water level stations. Four of these new weather stations are located south of the Las Vegas Valley and one was installed north of the Valley. These weather stations improve the District's and the NWS's ability to identify and track severe storms moving into the Las Vegas Valley.

The total number of field stations in operation at the end of the fiscal year was 159. Of this total, 33 stations collect temperature, humidity and wind data in addition to rainfall data, and 85 stations collect rainfall and water level information. The remaining 41 stations report only rainfall

data. Eight of the field stations are maintained by the USGS under the terms of a joint funding agreement with the District. District staff maintains the remaining 151 stations as well as five radio repeater sites which allow data from the outlying areas to be transmitted into the Las Vegas Valley. The installation of six field stations is planned for FY 2007-08.

The FTRS provides valuable information on water levels, rainfall, and other meteorologic parameters. Information on wind speed and direction helps the NWS track severe storms in the Clark County area and issue more timely and site-specific weather statements than were previously possible. The District's fully automated base station notifies staff, both in and out of the District's offices, of potentially dangerous situations. Using computer linkups to the base station, staff can assess the potential for flooding and alert public works and other emergency response personnel.

The information provided by this system helps emergency response agencies to more effectively direct their limited resources. The District maintains three modems and a FTP site to provide local governments, the news media, and staff access to the FTRS. The District also provides access to the Flood Threat Recognition System data to the world via the world wide web ([www.regionalflood.org](http://www.regionalflood.org)). Both historic and current rain and weather data collected from any of the District's field stations can be accessed on the District's website.

## *history of flooding in clark county*

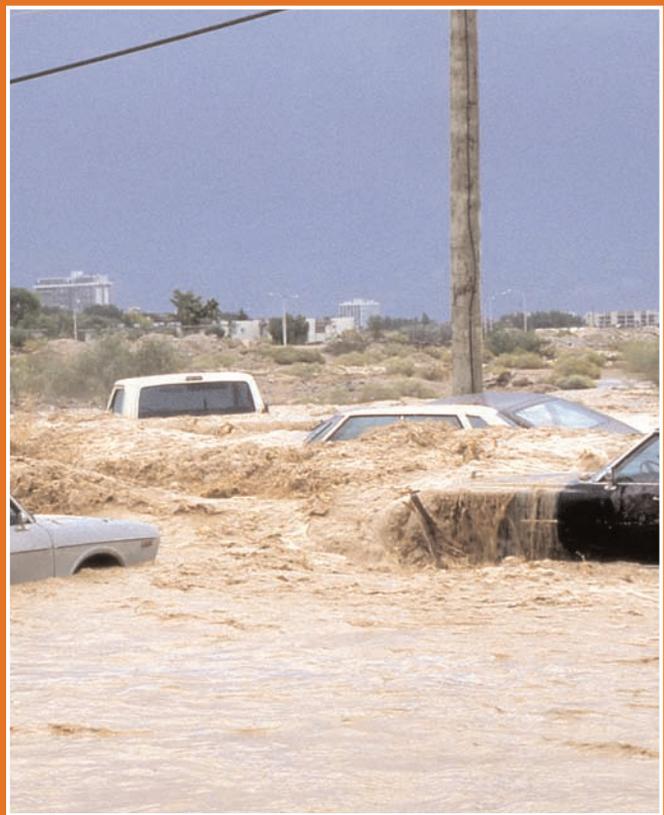
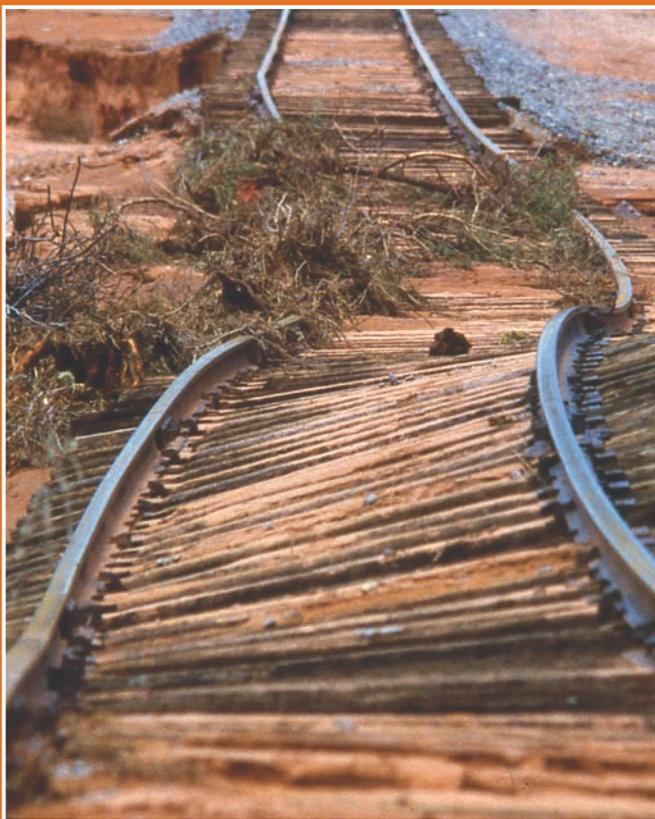
The desert southwest is an environment of extremes. Typically thought of as a dry and hot region, the area often experiences intense rainfall and subsequent flash floods. Recorded reports of flooding in Clark County date back more than 100 years. In a special report entitled History of Flooding, Clark County, Nevada 1905-1975, the U.S. Soil Conservation Service documented 184 different flooding events that resulted in damages to private property and public facilities. Since 1960, the area has experienced at least 11 floods costing more than a million dollars each. In that same period, 31 lives were lost in 21 separate flash flood events.

While floods can and have occurred in almost every month of the year, the most damaging storms typically occur between July and September. During these hot summer months, moist unstable air from the Gulf of Mexico is rapidly forced upward by hot air currents. The dynamics of this process often result in spectacular displays of lightning in the desert sky. Too often, they also cause severe thunderstorms with intense rainfall on steep mountain slopes and armored desert surfaces. The rainwater runs off rapidly and concentrates in the urbanized areas at lower elevations.

Most residents and visitors are unaware of the flood potential or never see flooding occur until it is too late. Aside from the tremendous property damage and deaths related to flooding, Clark County residents experience inconveniences caused by impassable or difficult-to-travel roads. Support services such as police, fire and ambulance are sometimes delayed in responding to victims of life-threatening incidents.

Flood events can also adversely impact the local economy through loss of business at commercial establishments due to decreased access. Furthermore, flooding in the Las Vegas Valley can become national news and deter tourists from visiting the area.

The average rainfall in the Las Vegas Valley is 4.49 inches and this amount is nearly equally divided between summer and winter rainy seasons. During FY 2006-07, the official rainfall total reported by the National Weather Service for Las Vegas was 1.66 inches.



^ flooding in mid - 1980s ^





*flood rescue demonstration ^*

### *keeping the community informed*

The District's Public Information Program focuses on educating the public about the dangers of flash flooding and informing the community about the progress of flood control in Clark County. The program also works to educate the community about stormwater quality and how residents can help improve the quality of urban runoff and rainwater that drains to Lake Mead.

Several programs are ongoing to keep information about drainage improvements and flood safety in mind throughout the year. Following is a summary of some of those activities:

- The Board of Directors designated July as "Flash Flood Awareness Month" and held a news conference kicking off Flash Flood Season. The event was covered by all major news media and helped increase public awareness of a heightened potential for flash floods during the summer months. The local news media is very supportive of the District's efforts to communicate flood safety information and are strong community partners.
- Emphasis is placed on educating children about the dangers of playing in floodwater and drainage facilities. This past year, the District staff made 68 school presentations speaking to approximately 8,536 elementary students, reaching nearly 10 percent more students than the previous year. In addition, the District mailed curriculum materials and a school DVD for 1,983 students at teachers' request.
- The District also conducts a Flood Safety Awareness Campaign between June and September when heavy rain and flash flooding are more likely to occur. The campaign uses billboards, radio, television and print media to inform residents about flooding dangers. Creative artwork, featuring personalized license plate messages, grabs motorists' attention in a lighthearted yet serious way. The District hosts an annual License Plate Billboard Contest to allow Valley residents to create their own flood safety slogan. The 2007 contest was expanded to include flood safety messages in Spanish. This year the District received almost 1,200 billboard message entries, almost triple the amount from last year's contest. The winning entry in English this year was "BADGMBL." The winning Spanish entry was "H20AQUI," translated means "There Is Water Here." Both messages were displayed on billboards in August and September.
- Anderson Dairy printed and distributed more than 250,000 milk cartons with a flood safety message at no charge to the District. Also, a flood safety and informational brochure was mailed to approximately 40,000 realtors, lenders, insurance agents and new residents in Clark County.
- The District continued with production of The Flood Channel, a 30-minute informational television program airing on two local government access stations, cable channels 2 and 4, and on cable channels in several outlying areas. Each episode informs the public about construction progress, flood safety and environmental issues.



## *enhancing information systems*

The District's website ([www.regionalflood.org](http://www.regionalflood.org)) is designed to provide information to the public about the District, current and historical rainfall data, projects and facilities, flood zones, the public outreach program and flood emergency information.

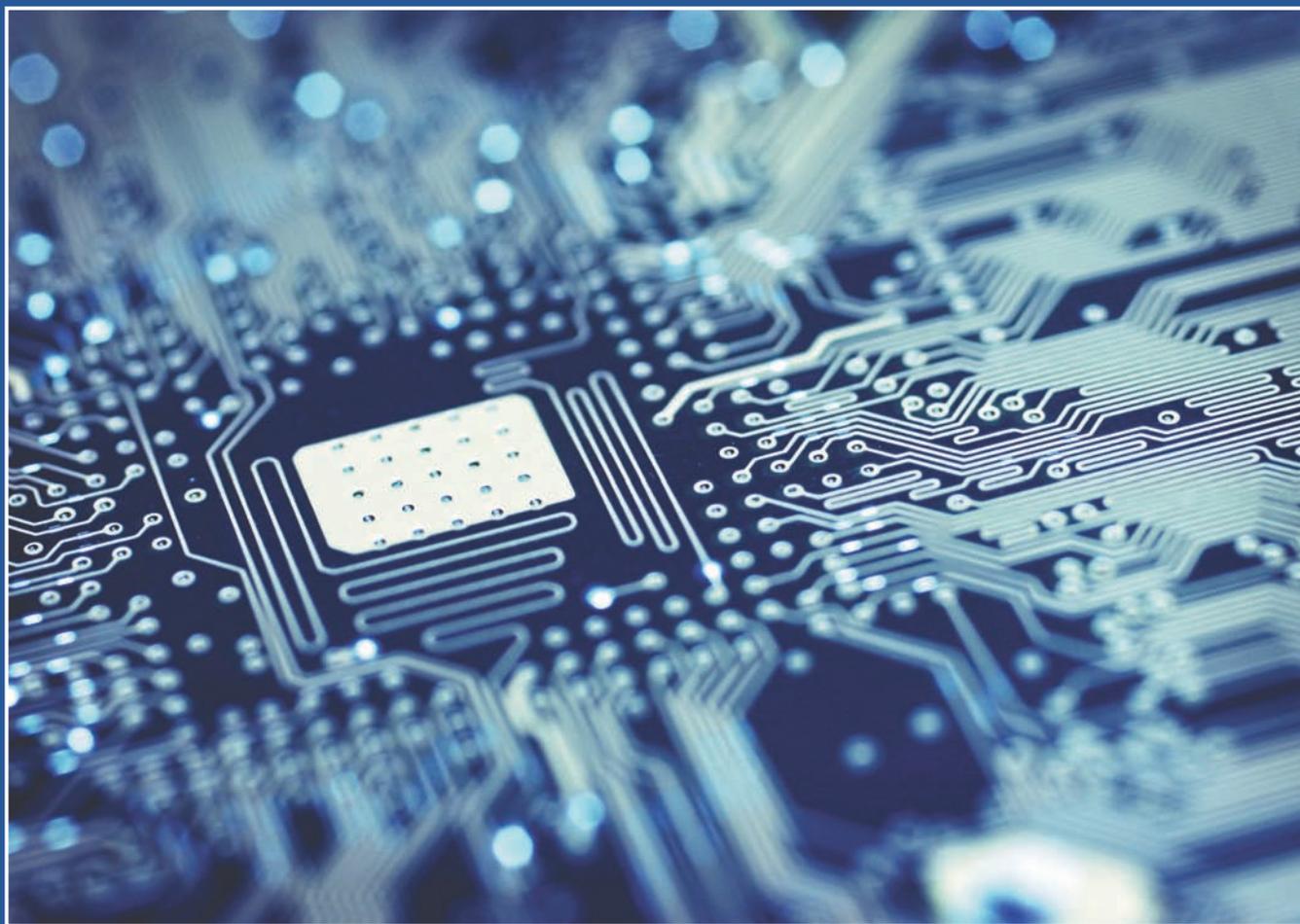
The District continued to provide leading edge Geographic Information Systems (GIS) technologies to both staff and the public. The District's GIS staff maintained information on 100-year flood zones and facility projects and provided that information to the other entities, agencies, and customers through the county's GIS central data repository. Staff also responded to requests for custom maps.

During the past year, the Information Technology (IT) staff completed major steps towards integrating decision support tools and web-based applications into staff work processes and offering external customers web-based tools to enhance usability and efficiency. Among the highlights were:

- enhancement of the District Document Management System by database maintenance and refinement of document retrieval techniques
- the completion of a web-based tool that provides users with environmental impact resources for flood control projects
- enhancement of the Regional Flood Management System, an internal desktop application used by District staff
- the completion of a mobile database editing and data entry application for the Flood Threat Recognition System

Future IT projects include an area library application allowing users to pull documents relating to specific geographic areas, SAP integration with Clark County and automation of the Ten Year Construction Program function.

The public is encouraged to visit the website as enhancements are continually being made.





## *keeping our waters clean*

In accordance with the Federal Water Pollution Control Act, the Clark County Regional Flood Control District, as lead agency, has been operating under a National Pollutant Discharge Elimination System (NPDES) permit with the various city, county and state agencies since December 1990. The permit outlines a schedule of monitoring requirements, best management practices, and conditions designed to promote the reduction of pollutants in storm water.

This past year continued execution of a Storm Water Management Plan (SWAMP) adopted in 2004 identifying specific program areas which must be addressed. A construction site inspection program was implemented and several training sessions were held for local construction companies. The inspection program is the result of an interlocal agreement with the Clark County Department of Air Quality and Environmental Management. This allows air quality inspectors to perform storm water quality inspections at construction sites along with their other duties. The inspection program will reduce the amount of sediment and construction pollutants entering the storm drain system. Work also began this year to enhance and develop programs in response to a program review by the Environmental Protection Agency and the Nevada Department of Environmental Protection. Working groups have been established to explore runoff management from construction sites, newly completed developments, industrial sites and the storm water quality benefits of flood control facilities. The District is also an active member of the Lake Mead Water Quality Forum, the Las Vegas Wash Coordination Committee and participates on the Management Advisory Committee for the Las Vegas

Wash. Annual reports of NPDES compliance activities are available on the District's website. Additional information useful to the general public in the reduction of storm water pollution is available at [www.lvstormwater.com](http://www.lvstormwater.com). The site provides information about storm water quality, describes proper use and disposal of chemicals and fertilizers, and educates the community about how to improve the quality of urban runoff that travels untreated to Lake Mead. Similar information is distributed at several community events throughout the year.

Residents can also help reduce the impact of pollutants on the environment. By notifying the District and the local government entities about improper disposal of chemicals and pollutants, corrective action can be taken by the appropriate agency. Clogged storm drains and washes, littered with debris, may also cause pollution and flooding problems. In the case of a severely clogged drop inlet/storm drain, residents should notify the city or county jurisdiction where the drain is located. Residents can also notify the District at (702) 455-3139, and staff will direct the call to the appropriate entity.

Last year, the District developed a new public service announcement (PSA) focusing on the importance of not polluting our desert environment. This PSA, called "Don't Trash Clark County," ran on all the local network affiliates for four months in the spring and reinforced the importance of not dumping trash and reporting clogged storm drain problems to the District. Other PSA's developed by the District focus on proper fertilizing of lawns, responsible disposal of pet waste, and the benefits of using commercial car washes. District staff also is available to give presentations to groups interested in environmental topics associated with flood control.



*^ "don't trash clark county" public service announcement ^*



## *Floodplain management*

### **Master Planning**

Master Plans include descriptions of the proposed flood control facilities, cost estimates and suggested phasing. Typical facilities are detention basins, channels, bridges and storm drains. Master Plans for all areas of Clark County are updated every five years. A Master Plan Update for the Muddy River and Tributaries (Moapa, Moapa Valley and Glendale) was adopted this fiscal year. A Master Plan Update for the Town of Bunkerville and the City of Mesquite was initiated this fiscal year and is scheduled for adoption by the end of 2007. A Master Plan Update for the Las Vegas Valley was initiated late this fiscal year and is scheduled for adoption by the end of 2007.

The elements of a comprehensive floodplain management program include regulations, the community rating system, land development reviews, drainage standards and floodplain mapping. The following sections briefly describe each of these categories being utilized by the entities and the District, as well as the milestones accomplished in fiscal year 2006.

### **Fulfilling Environmental Regulations**

Throughout its history, the District has nurtured its relationships with the Bureau of Land Management, United States Fish and Wildlife Service, U.S. Army Corps of Engineers and other resource management agencies. The District continues to assist local governments in their

efforts to obtain rights-of-way and environmental permits from regulatory agencies.

The Clean Water Act requires a federal permit for the deposition of fill material in "waters of the United States." Fill material includes channel armoring (e.g., concrete and riprap) as well as detention basin embankment materials. Permits for projects which include these types of activities often require some form of mitigation to compensate for adverse impacts to the "waters of the United States." Identifying acceptable mitigation projects is one of the biggest challenges currently facing the District. We continue to work with the regulatory and permitting agencies to identify mitigation projects and sites so that construction of drainage facilities that protect life and property can move forward without delays.

### **Regulatory Program**

The National Flood Insurance Program (NFIP), administered by the Federal Emergency Management Agency, has established rules and requirements to address the diverse issues that encompass flood insurance and flood hazard mitigation. Clark County and the incorporated communities within the County have adopted the Revised Uniform Regulations for the Control of Drainage in accordance with state statutes. These regulations are designed to protect the health, safety, and welfare of residents within the community from the hazards associated with flooding. The regulations provide the minimum regulatory control necessary to:



*inspirada storm drain* ^

- 1) Promote comprehensive floodplain management
- 2) Require safe flood-prone area development
- 3) Foster sound development policies and construction procedures
- 4) Reduce storm water runoff damage to public and private property

By meeting and exceeding the NFIP requirements, the regulations ensure that the residents of Clark County and incorporated areas are eligible for flood insurance that is available from the federal government. Additionally, all participating communities are eligible for a higher federal match for disaster assistance in the event of a flood.

### **The Community Rating System**

Initiated in 1990, the Community Rating System (CRS) reduces flood insurance premiums to reflect those community activities that are above and beyond the NFIP's minimum standards. The objective of the CRS is to reward insured residents for their continued involvement in the community, as well as to provide an incentive for new flood protection activities.

Nationwide, of the nearly 20,100 communities participating in the NFIP, roughly 1,049 community flood management programs are recognized by CRS verification audits. In a cooperative effort with the District, Clark County, the City of Henderson, the City of Las Vegas, City of Mesquite, City of Boulder City and the City of North Las Vegas were among the communities to realize a 5 to 20 percent reduction in flood insurance premiums as a result of these audits.

These entities received credit for the District's public information programs, maintenance activities, re-mapping efforts and the Flood Threat Recognition System. In addition, the District's Master Plan, Hydrologic Criteria and Drainage Design Manual, and the Uniform Regulations for the Control of Drainage serve as the foundation of a higher regulatory standard that has been recognized by CRS auditors as one of the most comprehensive in the nation.

### **Land Development Reviews**

The District performs land development reviews to ensure compliance with the Uniform Regulations for the Control of Drainage and the District's Policies and Procedures Manual, both adopted pursuant to state statutes. The entities are responsible for the review and approval of all drainage plans and studies within their boundaries. The entities must submit development proposals to the District for review if the development impacts the implementation of the Master Plan or lie within Special Flood Hazard Areas (regional flood control significance). In accordance with the District's Policies and Procedures, staff will commence review once the entity approval is obtained for the pending studies.

This past year, the District received 346 studies and 542 addenda related to the development of private properties deemed to have regional flood control significance. Reviews by the District resulted in the issuance of 320 concurrence letters and 62 related comment letters.



▲ mesquite, january 2005

## *Floodplain management* (continued)

### **Floodplain Mapping**

All six local governments in Clark County are currently participating in the Federal Emergency Management Agency's (FEMA) National Flood Insurance Program (NFIP). In participating communities, residents are eligible for federally subsidized flood insurance whether they live in a flood zone or not. In order to participate in the NFIP, communities must adopt flood hazard maps prepared by FEMA, and floodplain regulations in compliance with FEMA's minimum requirements. It is the District's objective to reduce flood hazards by implementing the Flood Control Master Plan. As part of the District's ongoing effort to improve the accuracy of FEMA's flood insurance rate maps and take credit for completed flood control facilities, restudy of flood hazard areas is required. Many areas have already been restudied resulting in the removal of approximately 45.8 square miles or 29,329 acres from identified 100-year flood zones. Studies are ongoing for flood control projects which began construction this year. This data will be submitted to FEMA to get its support for a flood map revision once the project completes construction. This allows the maps to be changed to reflect the benefits of the projects as soon after completion as possible. The District will continue to work closely with the entities and FEMA to further the restudy efforts. In

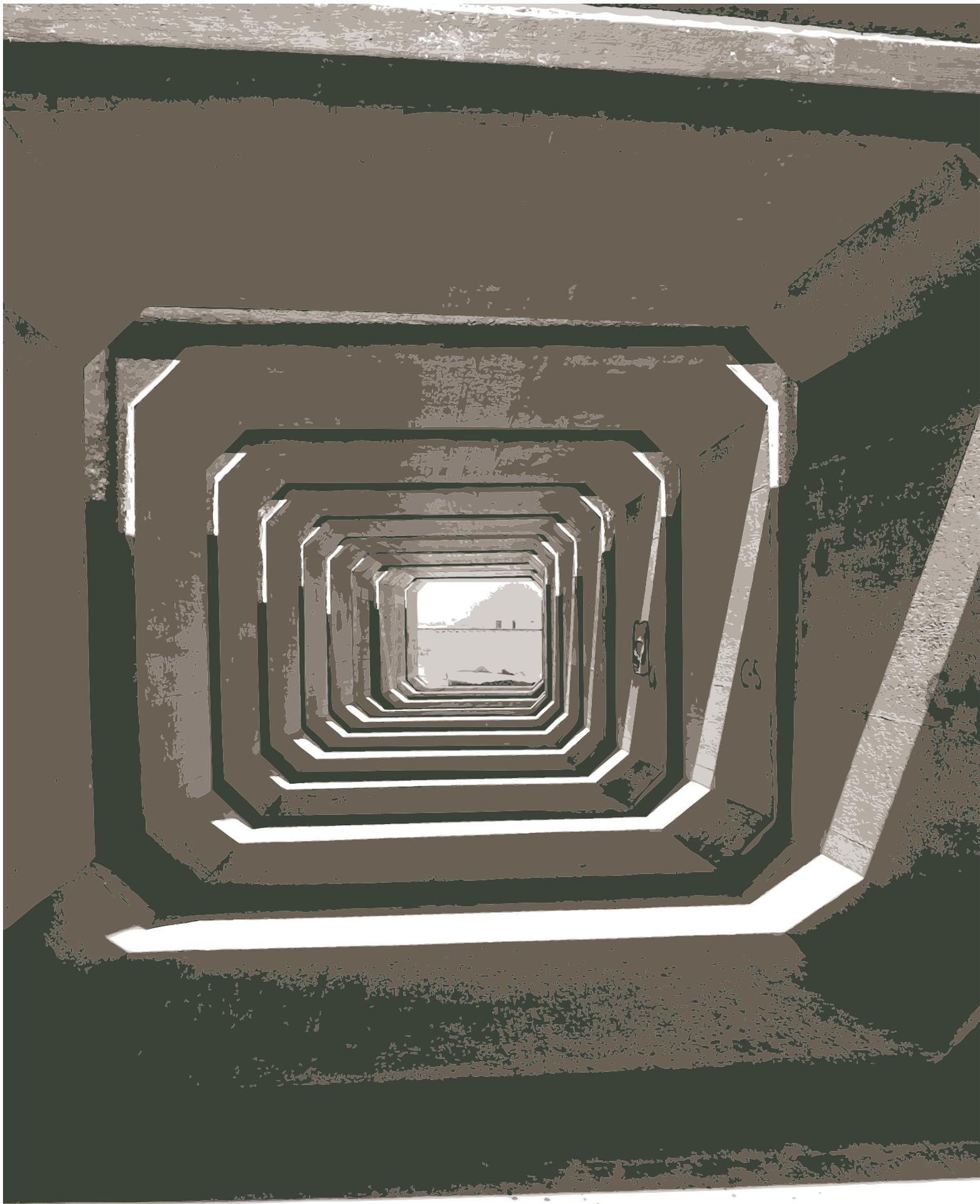
fact, Clark County and the entities were issued one of the first state-of-the-art Digital Flood Insurance Rate Maps (DFIRM) in the nation in fiscal year 2002-03. FEMA's involvement, from both a financial and a technical review standpoint, is appreciated.

### **Drainage Standards**

The District and the entities have adopted the Hydrologic Criteria and Drainage Design Manual that presents drainage standards and criteria for the Clark County area. It provides uniformity in drainage planning and design within the District's service area, improves the urban environment, and provides a sound basis for the expenditure of future private, public and regional monies. The Manual is used by governmental designers and reviewers, and consulting engineers. The Manual was originally adopted in 1990 and updated in 1999 to provide more clarity and address advances in state-of-the-art hydrologic and hydraulic techniques.



*gibson conveyance system* ^



*partnering with the  
federal government*

The U.S. Army Corps of Engineers' Tropicana and Flamingo Washes Project, located in the southwestern portion of the Las Vegas Valley, includes five detention basins, three debris basins, 27.7 miles of primary channel, and a network of lateral collector channels. Federal involvement in providing needed flood control infrastructure for our community is predicated on a financial commitment by the District and support from Nevada's federal delegation.

In February 1995, the District, Clark County and the U.S. Army Corps of Engineers (Corps) executed a Project Cooperation Agreement that defines responsibilities of each party for the \$336 million network of flood control facilities. Through this agreement, the District's share is 25 percent or \$84 million, and the federal government, through the Corps, is responsible for the remaining 75 percent. The District is responsible for project management, while Clark County acquires rights-of-way, provides surveying and engineering services for utility relocations and bridge crossings, and operates and maintains the facilities upon completion of the project. The Corps provides project management, design and construction management.

## **TROPICANA AND FLAMINGO WASHES PROJECT AREA**

The District, Clark County, and the Corps made significant progress on the Tropicana and Flamingo Washes Project during fiscal year 2006-07. While the project is currently over 98 percent complete, a formal dedication of the entire project was held on July 2, 2007 as part of a news conference to kick off Flash Flood Season. The project has successfully removed 18.6 square miles of FEMA identified 100-year flood zones in this rapidly developing area. During the past year, the Corps prepared the design of a final construction contract and completed approximately 95 percent of the construction of F-4 Debris Basin and Channel project. Clark County completed construction of the Flamingo Detention Basin Expansion as a part of a Las Vegas Beltway construction contract.

Congress appropriated \$12.4 million for federal fiscal year 2007 for the Tropicana and Flamingo Washes Project. Total federal funding has increased to approximately \$239 million for these important flood control improvements.

By securing federal funding, the District leverages revenue from local sales tax and is able to accelerate completion of needed flood control improvements. In February 2007, the District prepared testimony seeking \$12.5 million of continued federal appropriations for federal fiscal year 2008 for construction and for reimbursement for work completed previously by the District and Clark County on the project.



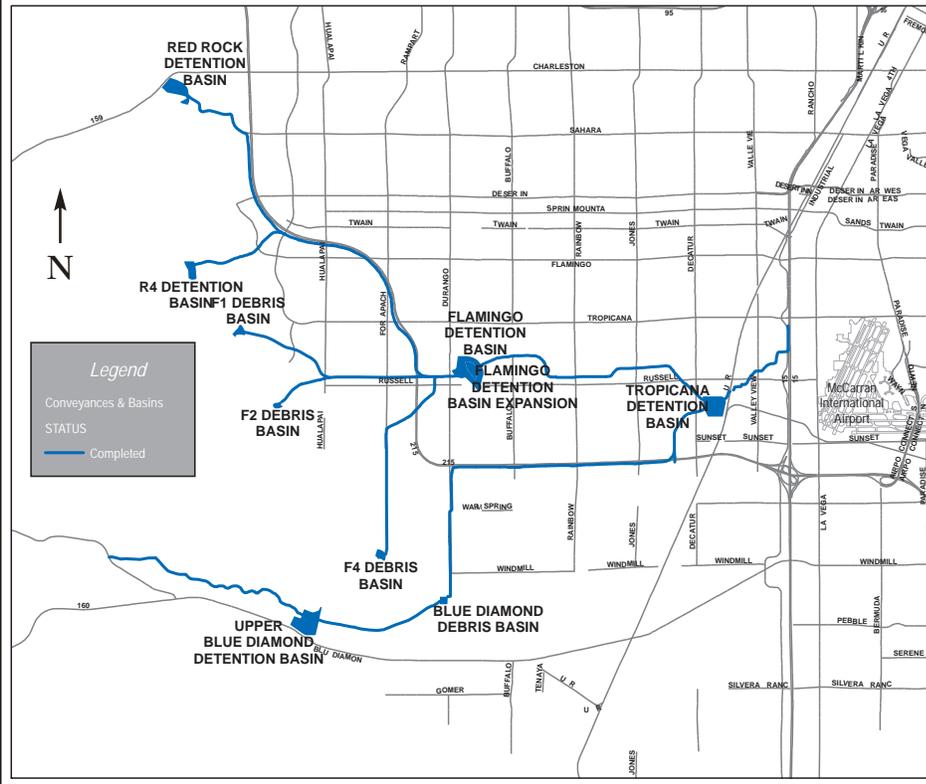
*f4 debris basin and channel ^*



*lower blue diamond detention basin ^*

corps project area

TROPICANA AND FLAMINGO WASHES PROJECT AREA



## *demonstrating fiscal integrity*

In the primary election of 1986, Clark County voters approved a one-quarter of one percent sales tax increase to fund flood control improvements. The sales tax increase became effective in March 1987, and the first sales tax revenues were received in May 1987. Sales tax revenue for fiscal year 2006-07 totaled \$89.6, bringing total revenues derived from sales tax since 1987 to \$910.9.

Sales tax revenues for fiscal year 2007-08 are projected to be \$93.5 million, which is 4 percent more than fiscal year 2006-07. More than 90 percent of sales tax revenues are used to build and maintain flood control projects and pay for the associated debt service. The remainder, less than 10 percent of sales tax revenues, is used to pay for salaries and benefits, professional consulting contracts and other administrative costs. During fiscal year 2006-07, the District expended approximately \$78.4 million for flood control projects, debt service, and flood control maintenance and \$6.6 million for administrative costs. Since inception, the District has overseen the design and construction of approximately \$1.2 billion in flood control improvements throughout Clark County.

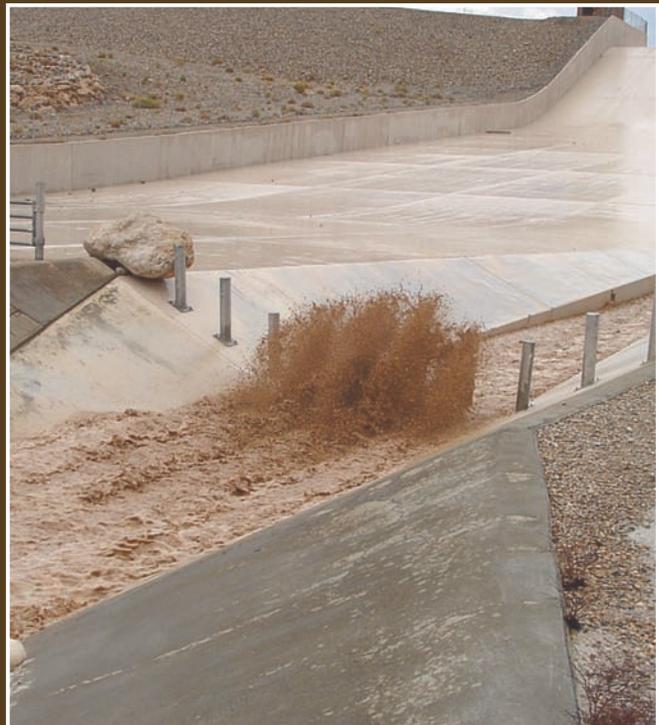
Each year, in conjunction with the development of the Ten-Year Construction Program (TYCP), a ten-year forecast of revenues, expenditures, debt-financing, and available project funding is developed. A variety of economic factors are examined when considering the ten-year financial plan. This long-range financial plan drives the TYCP project funding schedule. Recently, the District adopted a new

philosophy to better assist in planning capital project funding by including anticipated future debt issues. Programming future debt in the TYCP allows better planning and coordination of upcoming design and construction cycles, which has the potential to speed up the design and construction of flood control projects and helps accomplish our mission of protecting life and property. There is no guarantee that future debt will be issued. The District will evaluate whether to issue future debt based on economic conditions and progress in project development. Available resources for the TYCP are estimated to be \$1.3 billion, which includes estimated future debt issues of \$700 million, which will be distributed in \$100 million increments over the third, fourth, and fifth year and \$200 million increments over the ninth and tenth year.

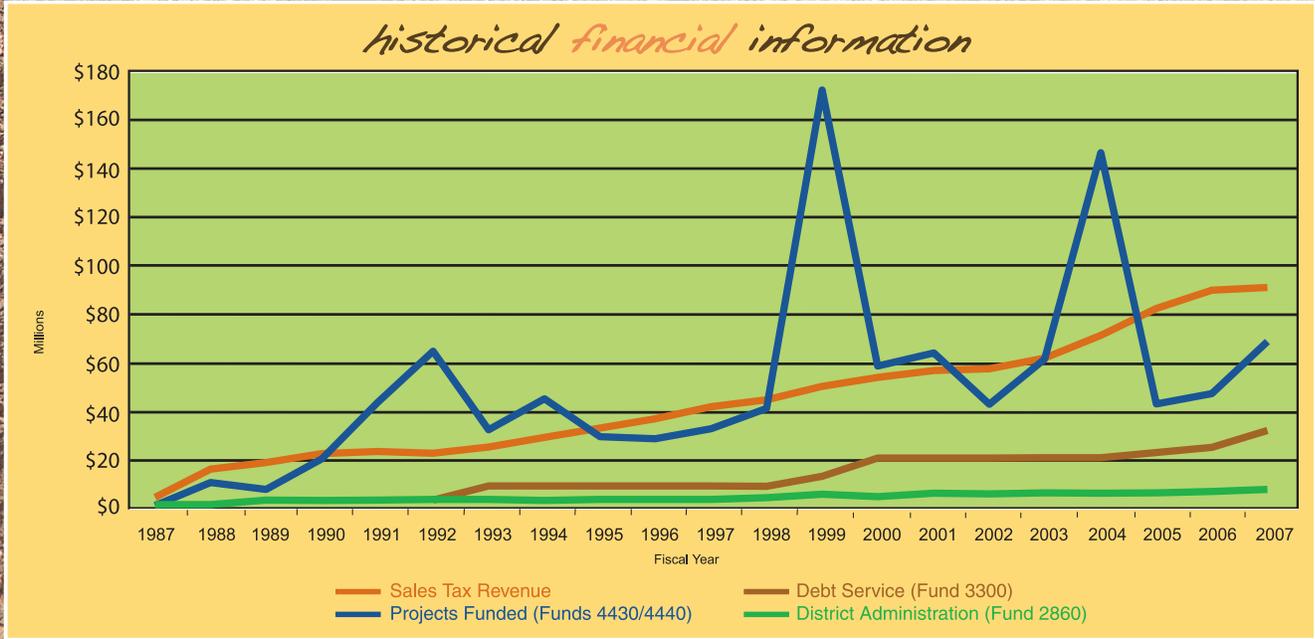
As the costs of flood control projects continue to inflate at unprecedented rates, funding projects in a timely manner remains a challenge. For example, the cost of one mile of channel in 1990 was approximately \$2 million, while in 2007 the cost swelled to \$6.5 million. The District continuously evaluates opportunities to accelerate the construction of flood control facilities to meet this funding challenge. Pay-As-You-Go funding uses current available sales tax resources to pay for projects, while borrowing money allows the District to accelerate design and construction of flood control infrastructure and guarantees the repayment using sales tax revenue.



*lone mountain detention basin ^*



*red rock detention basin ^*



## demonstrating fiscal integrity (continued)

Most recently, the District financed capital improvement projects, by using short-term commercial paper notes, which were refinanced by long-term bonds when the commercial paper was exhausted. Prior to recent legislative changes, in order to issue additional commercial paper, the District would go through the formal process of issuing new debt, which takes approximately six months. However, during the 2007 Nevada State Legislative Session, Assembly Bill 415 (AB 415) was approved as law effective July 1, 2007. AB 415 amends Nevada Revised Statute (NRS) 350.014 by authorizing the use of commercial paper in a manner similar to a short-term revolving line of credit, which will allow the District to go through the formal commercial paper debt request process once, and issue additional commercial paper as needed based on the original authorization within six years. From 1991 to the present, the District has issued a total of \$430 million in general obligations, of which \$306.5 million remains outstanding. During this fiscal year, the balance of the 1997 General Obligation Flood Control Refunding Bonds was paid off. Due to the District's and Clark County's excellent credit rating, extremely favorable interest rates were obtained, which saves the community millions in interest costs. The average interest rate for the District's outstanding obligations is 4.7 percent.

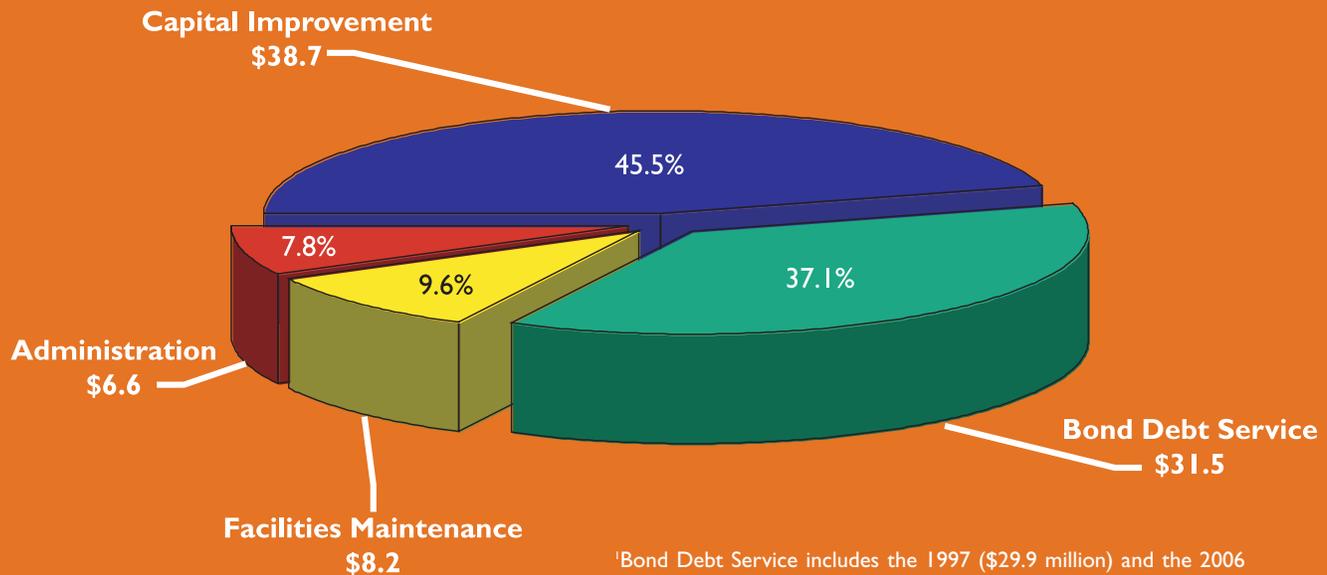
In fiscal year 2006-07, the Board approved policy changes that allow the entities to accelerate construction and right-of-way projects in the second and third year of the TYCP if certain conditions are met. The potential exists for funding requests to exceed available resources, which creates a competitive environment that drives the entities to expedite project implementation.

The District has also been able to work with other governmental jurisdictions and agencies to fund projects in advance of the availability of District resources. The projects are built ahead of schedule and the District pays for the project at a later date by using Entity Advance Funding and Resolution agreements. Furthermore, the District has successfully negotiated with private developers and other governmental agencies to pay for flood control projects if certain conditions exist. According to the 2002 Las Vegas Valley Master Plan Update, developers and other governments have the opportunity to provide \$588 million in funding for projects that will be overseen by the District.

Some of the advantages of accelerating the construction of flood control projects are: 1) Flood control projects, which protect life and property, are built promptly. 2) There are significant cost savings in building projects ahead of schedule

## district expenditures

In Millions of Dollars

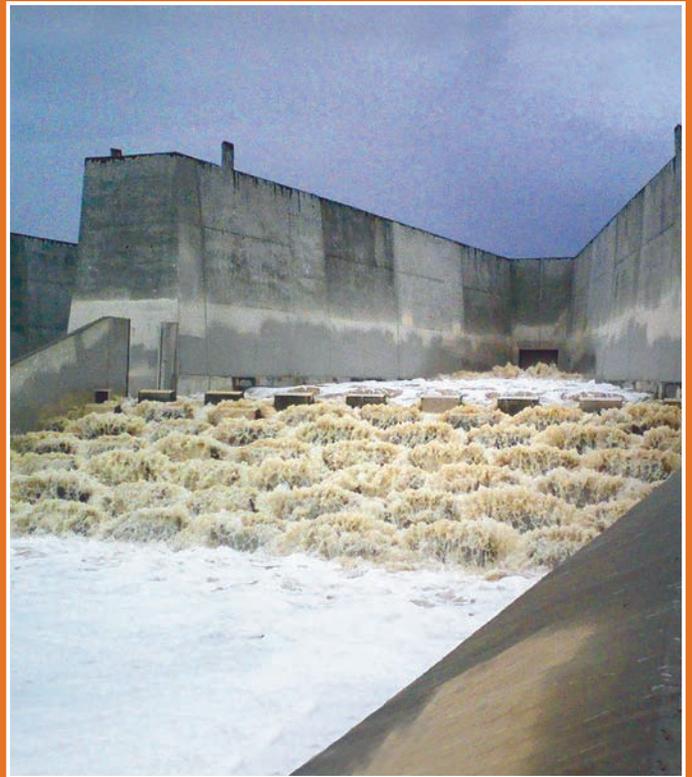


<sup>1</sup>Bond Debt Service includes the 1997 (\$29.9 million) and the 2006 (\$200 million) General Obligation Flood Control Refunding Bonds, as well as the 1998 (\$150 million) General Obligation Flood Control Bonds that were issued to expedite construction of flood control improvements.

because of the deterioration of purchasing power over time due to inflation. Land costs are expected to inflate between five and fifteen percent over the next couple of years, while construction costs are expected to inflate between nine and eleven percent during the same time.

Over the past 13 years, the District has been awarded the Distinguished Budget Presentation Award by the Government Finance Officers Association of the United States and Canada. The award represents a significant achievement by the District and reflects the District's commitment to meet the highest principles of governmental budgeting. In order to receive the award, the District has to satisfy nationally recognized guidelines for effective budget presentation.

Annually, the District continues to receive favorable audit opinions that state the District's financial statements are presented fairly in all material respects. This means that independent auditors have reviewed the District's financial statements and are satisfied that the financial statements are materially accurate. These positive opinions advise stakeholders that the District is following proper accounting principles and procedures.



*upper flamingo detention basin ^*





*clark county regional flood control district funds*

**Sources and Uses of Funds Summary In Millions of Dollars** *(Unaudited<sup>1</sup>)*

|   | <b>District Administration<br/>Fund 2860</b> | <b>Facilities Maintenance<br/>Fund 2870</b> |
|---|--|---|
| <b>Beginning Balance</b> (July 1, 2006) ..... | \$... 12.5                                   | \$... 7.2                                   |
| <b>Sources of Funds</b>                       |  |   |
| Sales Tax Revenue .....                       | 89.6   | 0   |
| Interest/Other .....                          | 0.5  | 0.4   |
| Transfers from Other Funds .....              | 8.9  | 9.0   |
| <b>Total Sources of Funds</b> .....           | <b>99.0</b>                                  | <b>9.4</b>                                  |
| <b>Uses of Funds</b>                          |  |   |
| Salaries and Wages .....                      | (2.2)  | 0   |
| Employee Benefits .....                       | (0.7)  | 0   |
| Services and Supplies .....                   | (3.6)  | (8.2)                                       |
| Capital Outlay .....                          | (0.1)  | 0   |
| Principal .....                               | .0   | .0  |
| Interest .....                                | .0   | .0  |
| Transfers to Other Funds .....                | (92.8)                                       | .0  |
| <b>Total Uses of Funds</b> .....              | <b>(99.4)</b>                                | <b>(8.2)</b>                                |
| <b>Fiscal Year Net Change</b> .....           | <b>(0.4)</b>                                 | <b>1.2</b>                                  |
| <b>Ending Balance</b> (June 30, 2007) .....   | <b>\$... 12.1</b>                            | <b>\$... 8.4</b>                            |

<sup>1</sup>Audited financial statements are expected to be available in November 2007



*fiscal year 2006-07*

| Bond Debt Service<br>Fund 3300 | Capital Improvement<br>Funds 4430/4440 | Total<br>District Funds |
|--------------------------------|--|-------------------------|
| .....\$... 17.0                | .....\$... 173.8                       | .....\$... 210.5        |
| .....0                         | .....0                                 | .....89.6               |
| .....0.7                       | .....9.4                               | .....111.0              |
| .....24.2                      | .....59.5                              | .....101.6              |
| .....24.9                      | .....68.9                              | .....202.2              |
| .....0                         | .....0                                 | .....(2.2)              |
| .....0                         | .....0                                 | .....(0.7)              |
| .....(0.2)                     | .....(3.3)                             | .....(15.3)             |
| .....0                         | .....(35.4)                            | .....(35.5)             |
| .....(14.4)                    | .....0                                 | .....(14.4)             |
| .....(16.9)                    | .....0                                 | .....(16.9)             |
| .....0                         | .....(9.0)                             | .....(101.8)            |
| .....(31.5)                    | .....(47.7)                            | .....(186.8)            |
| .....(6.6)                     | .....21.2                              | .....15.4               |
| .....\$... 10.4                | .....\$... 195.0                       | .....\$... 225.9        |

## *maintaining flood control facilities*

The Board has adopted an Operations and Maintenance Manual to establish performance standards and guidelines for the maintenance of flood control facilities located within the District's service area. Each of the separate entities in Clark County is provided funds by the District to maintain the regional flood control facilities within their respective jurisdictions. The District worked with the entities to develop the fiscal year 2006-07 Maintenance Work Plans and Budgets, which were approved by the Board on June 8, 2006, in the amount of \$10,198,985. The Board approved one supplemental budget request in the amount of \$375,000 during the fiscal year, bringing the total approved budget to \$10,573,985.

Flood control facility maintenance was performed using a combination of private contractors and entity maintenance staff. During this year, approximately 450 miles of channels and underground storm drains were inspected and/or maintained throughout the service area of the District, along with 75 detention basins.

## *maintenance work program expenditures*

| <i>Entity</i>             | <i>FY 2006-07<br/>Unaudited</i> |
|---------------------------|---------------------------------|
| Boulder City . . . . .    | \$ 86,740                       |
| Clark County . . . . .    | \$ 4,645,442                    |
| Henderson . . . . .       | \$ 403,847                      |
| Las Vegas . . . . .       | \$ 1,700,000                    |
| Mesquite . . . . .        | \$ 117,268                      |
| North Las Vegas . . . . . | \$ 1,150,004                    |
| <b>TOTAL . . . . .</b>    | <b>\$ 8,103,301</b>             |



*Silverton Channel* ^





*pittman pecos west ^*

*total project funding through fy 2006-07*  
**In Millions of Dollars**

|                                  | Total-to-Date    |
|----------------------------------|------------------|
| <b>BOULDER CITY</b>              | <b>\$15.9</b>    |
| <b>CLARK COUNTY<sup>1</sup></b>  | <b>\$619.8</b>   |
| <b>HENDERSON</b>                 | <b>\$113.4</b>   |
| <b>LAS VEGAS</b>                 | <b>\$243.8</b>   |
| <b>MESQUITE</b>                  | <b>\$15.3</b>    |
| <b>NORTH LAS VEGAS</b>           | <b>\$189.5</b>   |
| <b>TOTAL FUNDING<sup>1</sup></b> | <b>\$1,197.7</b> |

<sup>1</sup>Includes federal funding of \$239.1 million for the U.S. Army Corps of Engineers' project.



*projects completed during fy 2005-06*

**BOULDER CITY**

Valley View and DD Facilities ..... January 2006  
Veterans Memorial Detention Basin ..... February 2006

**CLARK COUNTY**

Duck Creek, Topaz Street to Eastern Avenue ..... August 2005  
Flamingo Wash, Algonquin Drive to Maryland Parkway ..... October 2005  
Flamingo Wash, I-515 to Boulder Highway ..... February 2006  
Red Rock Channel, Naples Branch ..... July 2005  
Sloan Channel, Las Vegas Wash to Charleston Boulevard ..... April 2006

**U.S. ARMY CORPS OF ENGINEERS' TROPICANA AND FLAMINGO WASHES**

Upper Blue Diamond Diversion Channel ..... February 2006

**HENDERSON**

Boulder Highway Channel ..... September 2005  
C-1 Channel, US-95 Tributary I ..... February 2006

**LAS VEGAS**

Ann Road Detention Basin Facilities (CAM 10) ..... May 2006  
Bruce Street Storm Drain, Local Drainage Project ..... March 2006  
Freeway Channel, Charleston Lateral ..... September 2005  
Gowan North System - Phase III: Alexander Road to Lone Mountain Road ..... August 2005  
Holmby Channel, Local Drainage Project ..... October 2005  
Las Vegas Creek Channel - Parallel System ..... April 2006  
Lone Mountain System, Lone Mountain Detention Basin Outfall to Durango Drive ..... May 2006

**MESQUITE**

Abbott Wash Conveyance System, Pioneer Boulevard to the Virgin River, Phase II ..... June 2006

**NORTH LAS VEGAS**

Upper Las Vegas Wash, Craig Road to Elkhorn Road ..... December 2005

*projects completed during fy 2006-07*

**BOULDER CITY**

Yucca Street Drainage ..... March 2007

**CLARK COUNTY**

Red Coach Avenue/Cimarron Road Improvements, Local Drainage Project ..... May 2007  
Windmill Wash Outfall ..... June 2007

**U.S. ARMY CORPS OF ENGINEERS' TROPICANA AND FLAMINGO WASHES**

Upper Flamingo Detention Basin Expansion ..... January 2007

**HENDERSON**

Gibson Conveyance System ..... August 2006  
Pittman Wash Railroad Channel, US-95 to Major Avenue ..... August 2006

**LAS VEGAS**

Jay Avenue Improvements, Local Drainage Project ..... August 2006

**NORTH LAS VEGAS**

"A" Channel Three Bridges Project (Cheyenne Avenue, Las Vegas Boulevard, and Carey Avenue) . . . September 2006

*projects under construction* (As of June 30, 2007)

**SCHEDULED FOR COMPLETION**

**CLARK COUNTY**

Blue Diamond Wash South Rainbow, Pebble - Raven and Wigwam - Ford ..... January 2008  
 Lower Blue Diamond Detention Basin and Collector Channel ..... July 2007  
 Searchlight – West, US-95 ..... October 2007

**U.S.ARMY CORPS OF ENGINEERS’ TROPICANA AND FLAMINGO WASHES**

F-4 Debris Basin and Channel ..... July 2007

**HENDERSON**

Pittman Pecos West Conveyance and Eastern Avenue Tributary ..... July 2007

*projects scheduled for work in fy 2007-08*

**ESTIMATED COMPLETION DATE**

**BOULDER CITY**

Bootleg Canyon Detention Basin and Inflow Structure (Phase II), Construction .....September 2008  
 Bootleg Canyon Detention Basin Outfall (Phase I), Construction .....July 2008  
 Buchanan, El Camino, and Gingerwood Crossings, Design .....April 2008  
 East Airport Facilities, Design .....April 2008  
 Hemenway Channel Facilities, Construction .....November 2008  
 Lake Mountain Drive Debris Basin Expansion, Design .....June 2008  
 Railroad Facilities, Design .....November 2008  
 Trailhead Facilities, Design .....November 2008  
 Yucca Debris Basin, Collection, and Outfall, Design .....October 2007  
 Yucca Debris Basin, Collection, and Outfall, Construction .....November 2008

**CLARK COUNTY**

Blue Diamond Wash Wigwam, Jones Boulevard to Torrey Pines, Design .....February 2009  
 Blue Diamond Wash Wigwam, Union Pacific Railroad to Jones Boulevard, Design .....October 2007  
 Duck Creek, Eldorado Lane to Spencer Street, Construction .....April 2008  
 Duck Creek, Mountain Vista Street to Green Valley Parkway, Design .....March 2008  
 Duck Creek, Railroad Detention Basin, Design .....August 2007  
 Duck Creek, Railroad Detention Basin, Construction .....December 2008  
 Duck Creek at Sunset Road, Design .....December 2009  
 Duck Creek Channel, Silverado Ranch Boulevard to Las Vegas Boulevard, Construction .....December 2008  
 F-4 Patrick Lane/Ft. Apache Road Lateral, Design .....August 2008  
 Flamingo – Boulder Highway North, Sahara Avenue to Flamingo Wash, Design .....December 2007  
 Flamingo Hacienda, Construction .....July 2008  
 Flamingo Wash, McLeod Drive to Maryland Parkway (Desert Inn Rd. to Spencer St.), Design .....December 2007  
 Hickam Avenue Storm Drain, Local Drainage Project, Construction .....March 2008  
 Lower Blue Diamond Detention Basin Outfall, Construction .....May 2008  
 Lower Flamingo Detention Basin, Design .....October 2008  
 Muddy River, Gubler Avenue Bridge, Construction .....June 2008  
 Muddy River West Levee – Moapa Valley, Design .....January 2008  
 Orchard Detention Basin, Design .....December 2007  
 Sunrise Area Storm Drain, Local Drainage Project, Construction .....October 2008  
 Tropicana North Branch Detention Basin, Design .....December 2007  
 Tropicana North Branch Detention Basin, Construction .....December 2009  
 Tropicana Wash at Swenson Street, Design .....July 2009  
 Upper Duck, Central Duck, Lower Blue Diamond, & Bird Springs Detention Basins, Right-of-Way .....February 2008  
 Upper Duck, Central Duck, Lower Blue Diamond, & Bird Springs Detention Basins, Design .....December 2008

**HENDERSON**

Blackridge Road Storm Drain System, Local Drainage Project, Construction .....December 2008  
 C-1, Equestrian Tributary, Design .....October 2007

*projects scheduled for work in fy 2007-08* (continued)

**ESTIMATED COMPLETION DATE**

**HENDERSON** (continued)

|  |               |
|--|---------------|
| Drake Channel, Design                                  | August 2007   |
| Drake Channel, Construction                            | December 2008 |
| Equestrian Detention Basin Outfall, Design             | August 2007   |
| Equestrian Tributary, Construction                     | October 2008  |
| Northeast Detention Basin and Levee, Design            | August 2007   |
| Northeast Detention Basin and Levee, Construction      | December 2008 |
| Northeast Detention Basin Outfall, Design              | August 2007   |
| Pittman Railroad, McDonald Ranch Channel, Design       | November 2007 |
| Pittman Railroad, McDonald Ranch Channel, Construction | June 2009     |
| Pittman Wash – Burns, Construction                     | March 2008    |

**LAS VEGAS**

|   |                |
|---|----------------|
| Alta Parallel System, Design  | June 2008      |
| Brent Lane and Tule Springs Detention Basins, Design                                | May 2008       |
| Brush Street Storm Drain, Local Drainage Project, Construction                      | October 2009   |
| Centennial Channel West – Grand Teton Overpass, Construction                        | February 2009  |
| Elkhorn Springs and Buffalo Storm Drain, Design                                     | October 2008   |
| Flamingo – Boulder Highway North, Sahara Avenue to Flamingo Wash, Construction      | December 2009  |
| Freeway Channel – Owens Avenue to Miller Avenue, Design                             | February 2009  |
| Gowan Lone Mountain System – Branch 4, Construction                                 | October 2008   |
| Gowan Lone Mountain System – Cliff Shadows Park, Construction                       | October 2008   |
| Gowan North Channel – El Capitan Way to the Western Beltway, Construction           | September 2008 |
| Gowan Outfall, Lone Mountain Branch (Decatur Boulevard to Channel), Construction    | November 2008  |
| Gowan Outfall, Lone Mountain Branch (Rancho Drive to Decatur Boulevard), Design     | February 2009  |
| Horse Interchange, Construction   | October 2009   |
| Las Vegas Wash – Decatur Boulevard (Centennial Parkway to Farm Road), Design        | March 2008     |
| Las Vegas Wash – Elkhorn (Bradley Road to Jones Boulevard), Design                  | October 2008   |
| Las Vegas Wash – Elkhorn (Rainbow Boulevard to Torrey Pines Drive), Design          | August 2007    |
| Las Vegas Wash – Elkhorn (Rainbow Boulevard to Torrey Pines Drive), Construction    | October 2008   |
| Las Vegas Wash – Elkhorn (Torrey Pines Drive to Jones Boulevard), Design            | October 2008   |
| Las Vegas Wash – Jones Boulevard, Elkhorn Road to Farm Road, Design                 | October 2007   |
| Las Vegas Wash – Jones Boulevard, Elkhorn Road to Farm Road, Construction           | December 2008  |
| Las Vegas Wash – Rainbow (Elkhorn Road to Grand Teton Drive), Design                | February 2009  |
| Oakey Boulevard and Tenaya Way Storm Drain, Local Drainage Project, Construction    | July 2008      |
| Oakey – Meadows Storm Drain, Design   | January 2008   |
| Oakey Drain, Birch Street to Cahlan Drive, Design                                   | February 2008  |
| Oakey Drain, Birch Street to Cahlan Drive, Construction                             | June 2009      |
| Owens Avenue System (Vegas Drive Storm Drain) – Michael Way to Rancho Drive, Design | May 2008       |
| Owens Avenue System (Vegas Drive Storm Drain) – Michael Way to Rancho Drive, Const. | September 2009 |
| Peak Drive System (Jones Boulevard to Michael Way), Design                          | September 2007 |
| Peak Drive System (Jones Boulevard to Michael Way), Construction                    | November 2008  |
| Rancho Detention Basin, Phase II, Construction                                      | May 2008       |
| Rancho Road System (El Campo Grande Storm Drain), Design                            | September 2007 |
| Rancho Road System (El Campo Grande Storm Drain), Construction                      | December 2008  |
| Rancho Road System – Beltway (Fort Apache), Design                                  | December 2009  |
| Simmons – Alexander Road to Craig Road, Design                                      | June 2008      |

**MESQUITE**

|  |          |
|--|----------|
| Town Wash Conveyance, I-15 to Virgin River, Design | May 2008 |
|--|----------|

**NORTH LAS VEGAS**

|  |               |
|--|---------------|
| Centennial Parkway Channel East, Design                                    | December 2007 |
| Centennial Parkway Channel East, Construction                              | October 2009  |
| Gowan Outfall – Lone Mountain Branch, Decatur Boulevard to Channel, Design | October 2007  |
| Las Vegas Wash Main Branch, Cheyenne Avenue to Lake Mead Boulevard, Design | June 2008     |
| Range Wash – Lamb Boulevard Storm Drain, Construction                      | January 2009  |
| Simmons Street Drainage Improvements – Carey Avenue to Craig Road, Design  | June 2008     |
| Tropical Parkway Channel East, Design                                      | November 2008 |



## *special district recognition 2006-07*

### **2006 NAFSMA EXCELLENCE IN COMMUNICATION COMPETITION**

- 1st place Exceptional Merit Award for the District's flood safety and stormwater quality communication programs

### **2006 CITY, COUNTY, COMMUNICATION AND MARKETING ASSOCIATION**

- 1st place Savvy Award for The Flood Channel – Flood Safety episode #52

### **2006 WOMEN IN COMMUNICATION ELECTRONIC MEDIA AWARDS**

- 1st place EMA for The Flood Channel - Always Be Flood Safe episode #54
- 1st place EMA for the Hispanic Flood Safety License Plate Public Service Announcement
- 1st place EMA for the Desert Floods School DVD

### **2006 PUBLIC RELATIONS SOCIETY OF AMERICA PINNACLE AWARDS**

- 1st place for The Flood Channel – Always Be Flood Safe episode #54
- 2nd place Award of Excellence for 2004-05 Annual Report

### **2006 GOVERNMENT FINANCE OFFICERS ASSOCIATION (GFOA)**

- Distinguished Budget Presentation Award for the District's Fiscal Year 2006-07 Budget and Financial Plan

### **2006 INTERNATIONAL ASSOCIATION OF BUSINESS COMMUNICATORS**

- 1st place Bronze Quill for the Desert Floods School Curriculum/Video
- 3rd place Award of Merit for the Stormdrain Detective Public Service Announcement

### **2006 COMMUNICATOR AWARDS**

- 2nd place Award of Merit for The Flood Channel – Protecting the Environment episode #55
- 2nd place Award of Merit for The Flood Channel – Protecting the Environment for Special Effects/Editing episode #55

### **2007 ADDY AWARDS**

- 2nd place Silver Award for the District's Flood Safety Billboard Campaign

### **2007 VIDEOGRAPHER AWARDS**

- 1st place Award of Excellence for the Desert Floods School DVD
- 2nd place Award of Distinction for The Flood Channel – Protecting the Environment episode #55
- 3rd place Honorable Mention for The Flood Channel – Protecting the Environment episode #55 (creativity/editing category)

### **2007 NATIONAL ASSOCIATION OF GOVERNMENT COMMUNICATORS**

- 1st place for The Flood Channel – Protecting the Environment episode #55

### **2007 COMMUNICATOR PRINT COMPETITION**

- 2nd place Award of Distinction for the Flood Safety Billboard Campaign
- 2nd place Award of Distinction for the Annual Report – Government Category
- 2nd place Award of Distinction for the Annual Report – Photography
- 2nd place Award of Distinction for the Flood Safety News Conference – special event plan

### **2007 HERMES CREATIVE AWARDS**

- 2nd place Gold Award for the Don't Trash Clark County public service announcement
- 2nd place Gold Award for The Flood Channel – Behind the Scenes episode #58

## **REGIONAL FLOOD CONTROL DISTRICT MEMBERSHIPS**

Alert User's Group • American Public Works Association • American Society for Public Administration  
American Society of Civil Engineers • Association of State Dam Safety Officials  
Association of State Floodplain Managers • City-County Communications and Marketing Association  
Construction Managers Association of America • Floodplain Management Association  
Government Finance Officers Association • International Association of Business Communicators  
Las Vegas Wash Management Advisory Committee • National Association of Flood and Stormwater Management Agencies  
National Association of Government Communicators • National Hydrologic Warning Council  
National Society of Professional Engineers • Nevada Hazard Mitigation Planning Committee  
Nevada Taxpayers Association • Public Relations Society of America • Society for Human Resources  
Southern Nevada Home Builders Association • UNLV Civil and Environmental Engineering Department Advisory Board  
Women in Communications

Las Vegas Valley



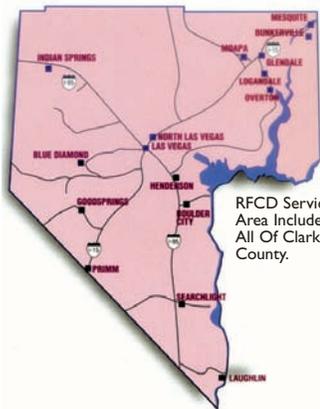
Lone Mountain Detention Basin



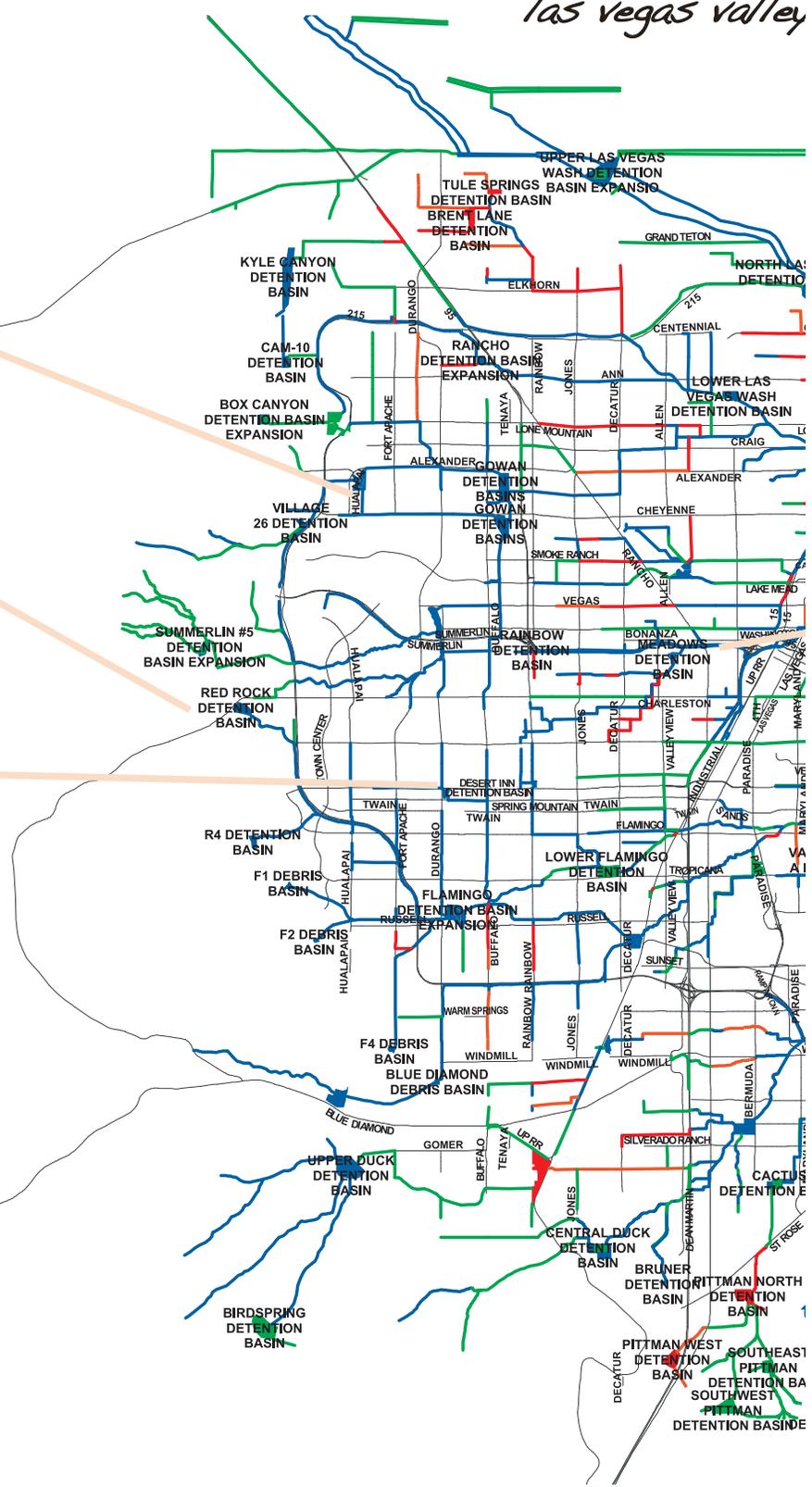
Red Rock Detention Basin



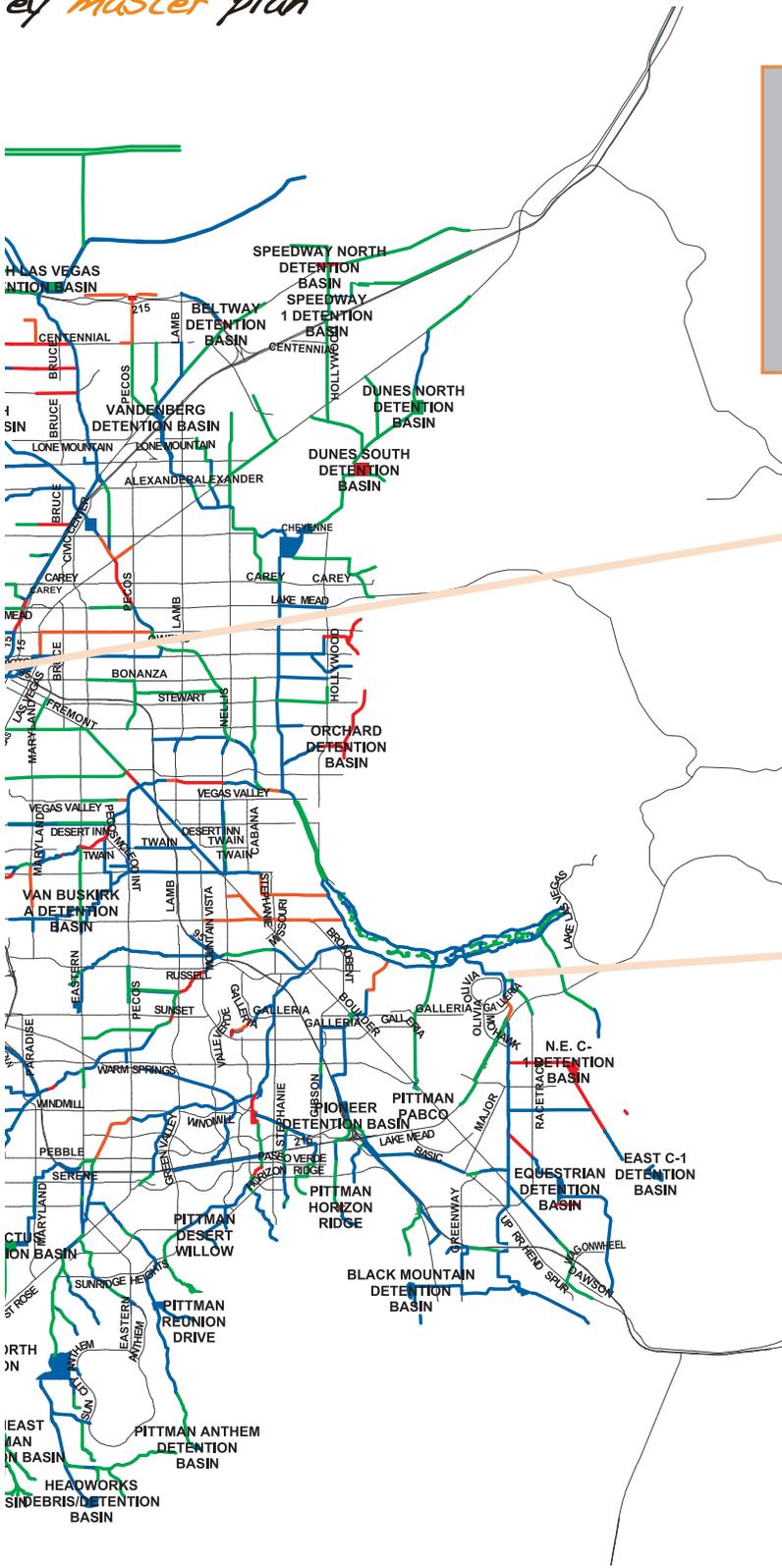
Desert Inn Detention Basin



RFCD Service Area Includes All Of Clark County.



Key master plan



**Legend**

Conveyances

- Completed
- Ten Year
- Proposed

Basins

- Completed
- Ten Year
- Proposed

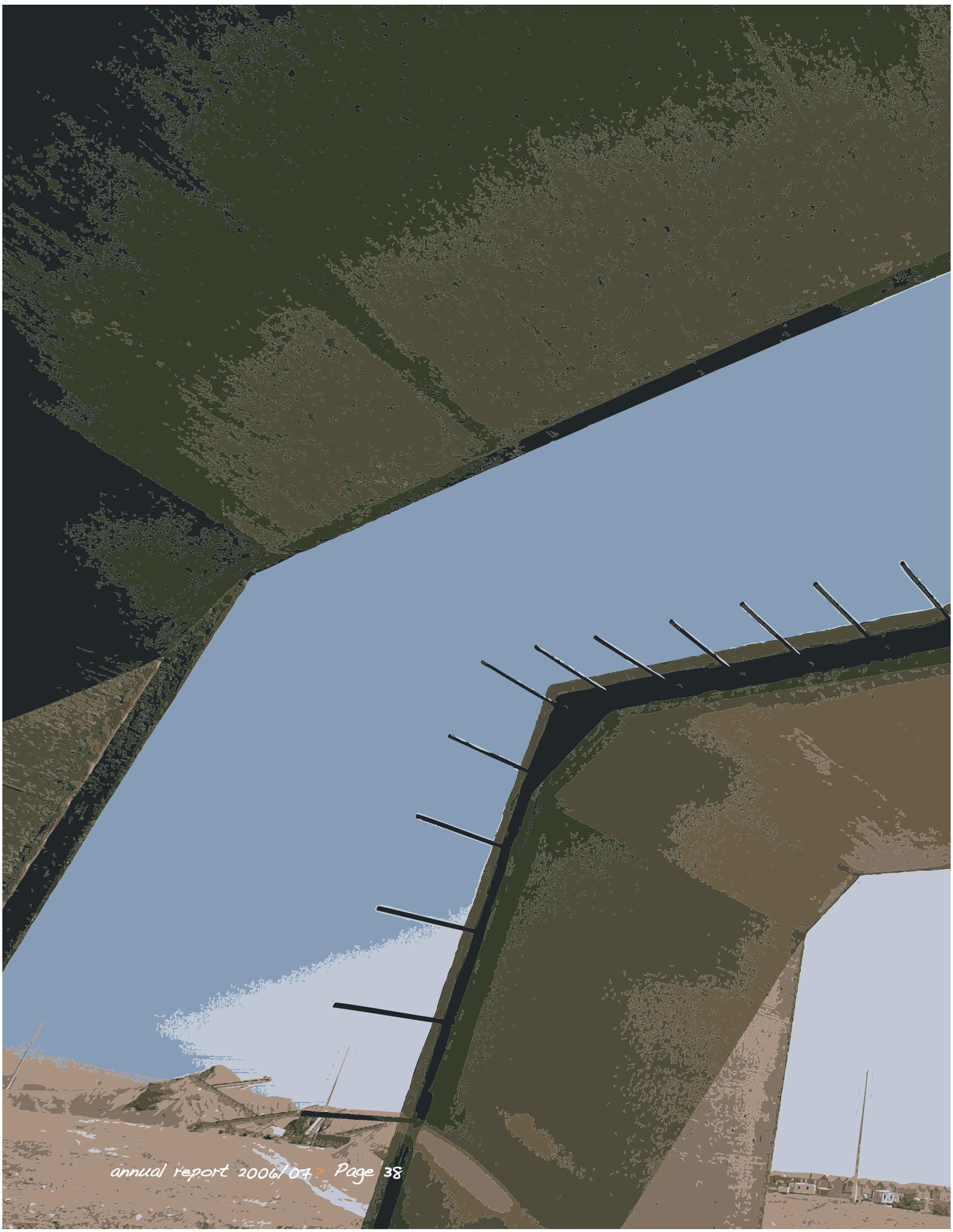


Las Vegas Springs Preserve - Meadows Detention Basin



C-1 Channel, Phase III









For information, please contact:

## REGIONAL FLOOD CONTROL DISTRICT



600 South Grand Central Parkway, Suite 300  
Las Vegas, NV 89106-4511  
702-455-3139

Office hours:  
Monday through Friday  
8:00am to 5:00pm

[WWW.REGIONALFLOOD.ORG](http://WWW.REGIONALFLOOD.ORG)