

SPECIAL DISTRICT RECOGNITION 2003/04



Ann Road, Allen Lane to Rancho Drive

Las Vegas Valley Chapter PRSA Pinnacle Awards

- 1st place award for the District's 2002-03 Annual Report
- 1st place award for *The Flood Channel* "Keeping it Clean" episode
- 2nd place Award of Excellence for *The Flood Channel* "Protecting Neighborhoods"

Videographer Awards

1st place award for *The Flood Channel* "History of Flooding" episode

Working in Communications

1st place EMA award for the Fertilizer Public Service Announcement (in Spanish)

LV Chapter IABC Bronze Quill Awards

- 1st place Bronze Quill award for *The Flood Channel* "Outreach and Education"
- 1st place Bronze Quill award for *The Flood Channel* "On Location: Washington D.C."

International Communicator Association

2nd place Award of Distinction for *The Flood Channel* "Outreach and Education" episode

Pegasus Awards

1st place Award of Excellence for *The Flood Channel* "Outreach and Education" episode

Communicator Awards Print Media Competition

- 1st place Crystal Award of Excellence
 - 2003 Flood Safety News Conference Media Packet
- 2nd place Award of Distinction
 - 2002-03 Annual Report
- 2nd place Award of Distinction
 - Flood Safety Education Campaign
- 3rd place Honorable Mention
 - RFCD Website – Overall Category
- 3rd place Honorable Mention
 - Flood Safety Advertising Campaign

Government Finance Officers Association (GFOA)

Distinguished Budget Presentation award for the District's Fiscal Year 2003-04 Budget and Financial Plan

Environmental Systems Research Institute

Special Achievement in GIS – RFCD was one of only 150 organizations, out of 10,000 user sites worldwide, to be recognized for outstanding work in the Geographic Information Systems field

Special thanks for photography courtesy of:

Photography RFCD Staff: A.J. Myles
Additional photography courtesy of: Geri Koday,
Leslie Gertie, Robert House Photography
Ethan Miller, Las Vegas Sun

Design & Production:
Lund & Manasse Advertising, Ink.
Las Vegas, Nevada

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
8:00a.m. to 5:00p.m.

www.ccrfcd.org

REGIONAL FLOOD CONTROL DISTRICT ANNUAL REPORT 2003/04 • CLARK COUNTY



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 July 2004:

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



Michael Mack
Councilman
City of Las Vegas



Chip Maxfield
RFCD Vice-Chairman
Commissioner, Clark County



Bill Nicholes
Mayor
City of Mesquite



Shari Buck
Councilwoman
City of North Las Vegas



Roger Tobler
Councilman
City of Boulder City



Andy Hafen
Councilman
City of Henderson



Bruce L. Woodbury
Commissioner
Clark County





CHAIRMAN'S MESSAGE

Let me first thank my colleagues on the Board for their continued commitment and contribution to Flood Control in Southern Nevada. Likewise, it is important to acknowledge the outstanding work provided by General Manager Gale Fraser and the dedicated team at Clark County Regional Flood Control District.

As we look back over the past year, several topics concerning flood control stand out. We are currently experiencing some of the worst drought conditions our area has seen in decades, yet our community remains vulnerable to intense rainstorms. While rain may be infrequent, it can cause serious flood damage. August 2003 was a prime example of how just three inches of rain falling, in little over an hour caused extensive flooding in the northwest part of the Valley. Several homes and businesses were damaged, 50 swift water rescues were performed and nine people were rescued by helicopter from their vehicles.

While the area was hit hard by the storm, we know that the detention basins and channels worked as they were designed. Data gathered from District rain gauges and sensors showed that enough floodwater was captured to fill three average-size swimming pools each second, or more than 7,000 pools.

Steady progress continues with construction of additional drainage improvements, making our community safer from flooding. In the past year, approximately 15 projects were completed across Clark County. Currently, another 25 projects are under construction thanks to an additional \$200 million the District secured through sound fiscal policies. This infusion of resources is allowing design and construction to move ahead more quickly than ever before.

The Federal Government, through the U.S. Army Corps of Engineers, is also helping with local flood control infrastructure. Of the \$297 million federal project on the Tropicana and Flamingo Washes, the U.S. Government has funded approximately \$194 million to date. In addition, we are within just two years of completing this extensive job in the southwest part of the Valley.

It is through our numerous partnerships, local, state and federal, that we make significant progress with flood control improvements. However, another 25-30 years remain before all Master Plan flood control projects are completed. Flood safety and proper precautions during intense storms continue to be a top concern for the District. Be aware and be safe.

Larry Brown
RFCD Chairman
City of Las Vegas Councilman

GENERAL MANAGER'S MESSAGE



As Clark County's population continues to grow well past 1.6 million, the involvement of the Flood Control District as a regional agency has also expanded. Issues facing our community, such as environmental concerns and quality of life, involve regional planning. The District has been invited to take part in numerous local, state and federal groups whose discussions focus on the future well-being of our community.

Committees like the Southern Nevada Regional Planning Coalition, Clark County Growth Task Force, Las Vegas Wash Coordination Committee, and agencies like the Bureau of Land Management, Regional Transportation Commission, National Weather Service and the Environmental Protection Agency are just a few of the groups working together to understand and address the changing needs of Southern Nevada.

The Federal Government has also played a critical role in Clark County, assisting the District with construction of a network of channels and detention basins on the Tropicana and Flamingo Washes. The federal investment to date totals \$194 million, and the District hopes to receive another \$34 million to complete this project in the next two years.

It is due to the strong support of the Nevada Delegation that this additional funding was appropriated.

Finally, the District's success in completing 62 detention basins and more than 350 miles of drainage channels and underground storm drains wouldn't have been possible without the cooperation and teamwork of our member entities. The City of Las Vegas, Clark County, North Las Vegas, City of Henderson, Boulder City and Mesquite have all worked to help the District reach a milestone this year of overseeing the design and construction of more than \$1 billion for flood control improvements.

While substantial progress has been made with flood protection since the District was created in 1985, we have much more work to complete. Through strong partnerships, both public and private, we will achieve our mission to protect all of Clark County from the damaging impacts of flooding.

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

ORGANIZATIONAL FLOW



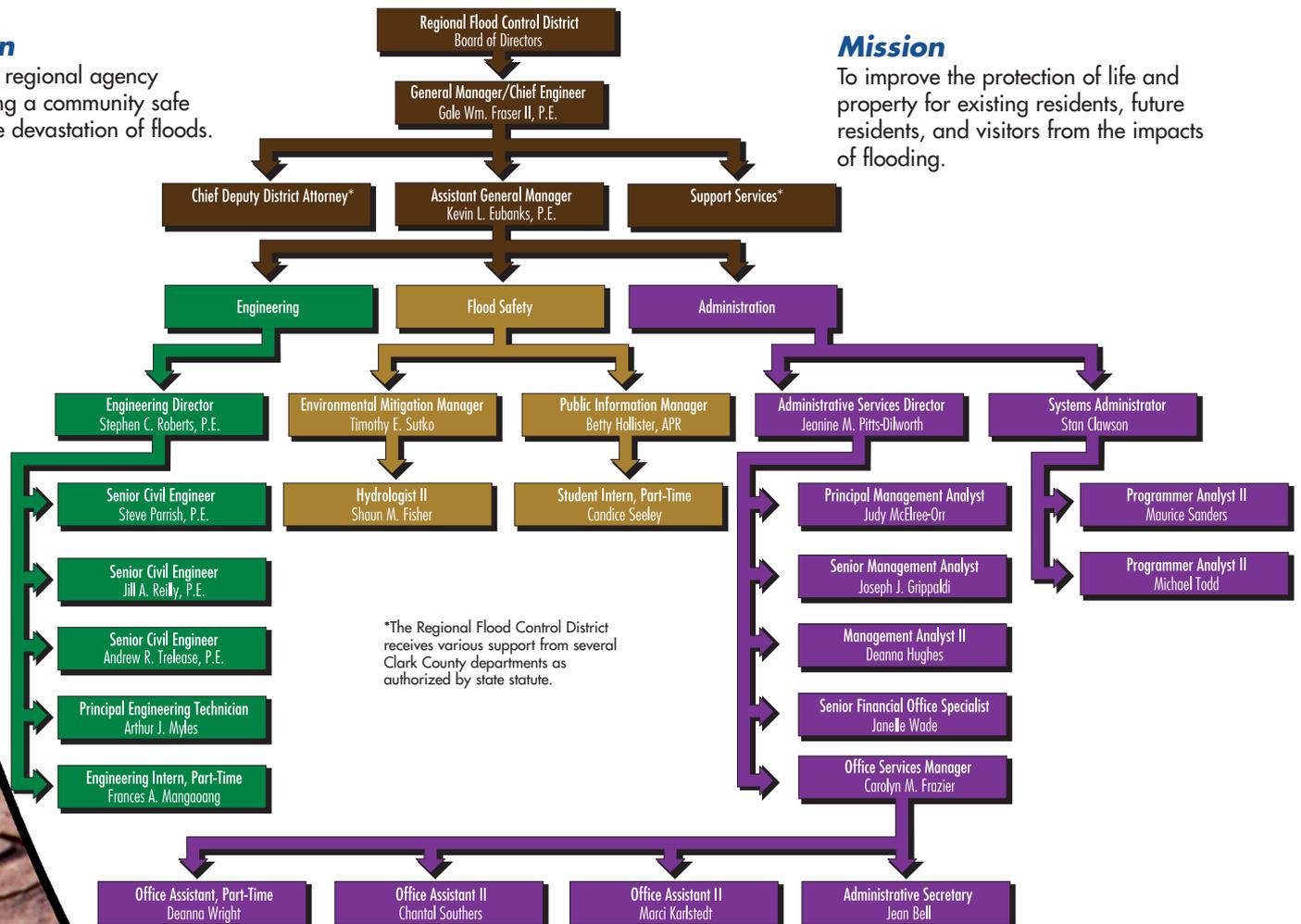
Citizens' Advisory Committee Tour

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.





Technical Advisory Committee



Citizens' Advisory Committee

ADVISORY COMMITTEES

CITIZENS' ADVISORY COMMITTEE

The Citizens' Advisory Committee (CAC) is composed 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

(As of July 2004)

Boulder City

Richard Wyman ♦ Vacancy

Clark County

M. J. Harvey, CAC Chairman
Jack Hurley ♦ Ronald Newell

Henderson

Calvin Black ♦ Larry Nelson

Las Vegas

Abe Mayhan, Vice-Chairman
Terrence Kane ♦ Dr. Linda Young

Mesquite

Natalie Hafen ♦ J. Blake Syndergaard

North Las Vegas

Michael Mamer ♦ Kelly Wittwer

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

(As of July 2004)

Boulder City

Philip Henry, Public Works Director
Rick Milewski, City Engineer *(alt. pictured)*

Clark County

Martin Manning, Public Works Director
Alan Pinkerton, Deputy Director, Air Quality & Environmental Management

Henderson

Robert Murnane, Public Works Director

Las Vegas

Richard Goecke, Public Works Director
Charles Kajkowski, City Engineer/Deputy Director Of Public Works
Randy Fultz, Asst. City Engineer *(alt. pictured)*

Mesquite

J. Allen Bell, Chairman, City Engineer

North Las Vegas

James Bell, Vice-Chairman,
Public Works Director

ABOUT OUR REGION

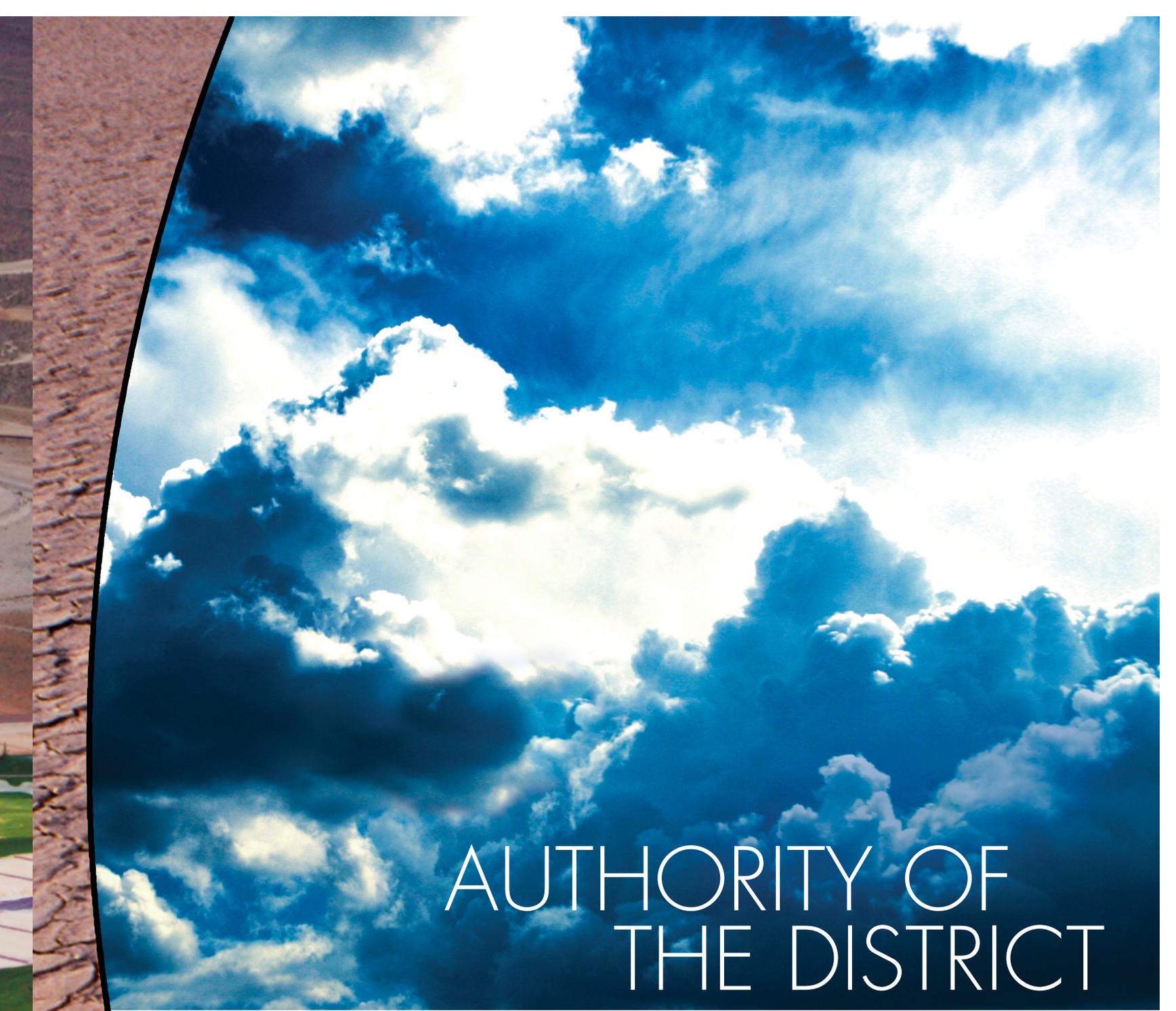


With more than 5,000 people moving to Clark County each month, the area continues to be one of the fastest growing in the nation. Population estimates for 2004 show Clark County with approximately 1.7 million residents and an average annual growth rate of 6 percent since 1999. The area is also a prime destination spot for tourists and conventions with almost 36 million people visiting the area last year.

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, 53 new companies located to Southern Nevada, contributing

approximately \$414 million to the economy and providing jobs for more than 2,500 residents. In addition, approximately 28,000 building permits were issued for single-family and multi-family residences.

With unprecedented growth and development, the flood control projects and programs required to manage floodwaters must be comprehensive and varied. This Annual Report provides background information about the District and summarizes many of the programs in place that support its mission to protect lives and property from the impacts of flooding.



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 cities of Boulder City, Henderson, Las Vegas, Mesquite, and North Las Vegas.

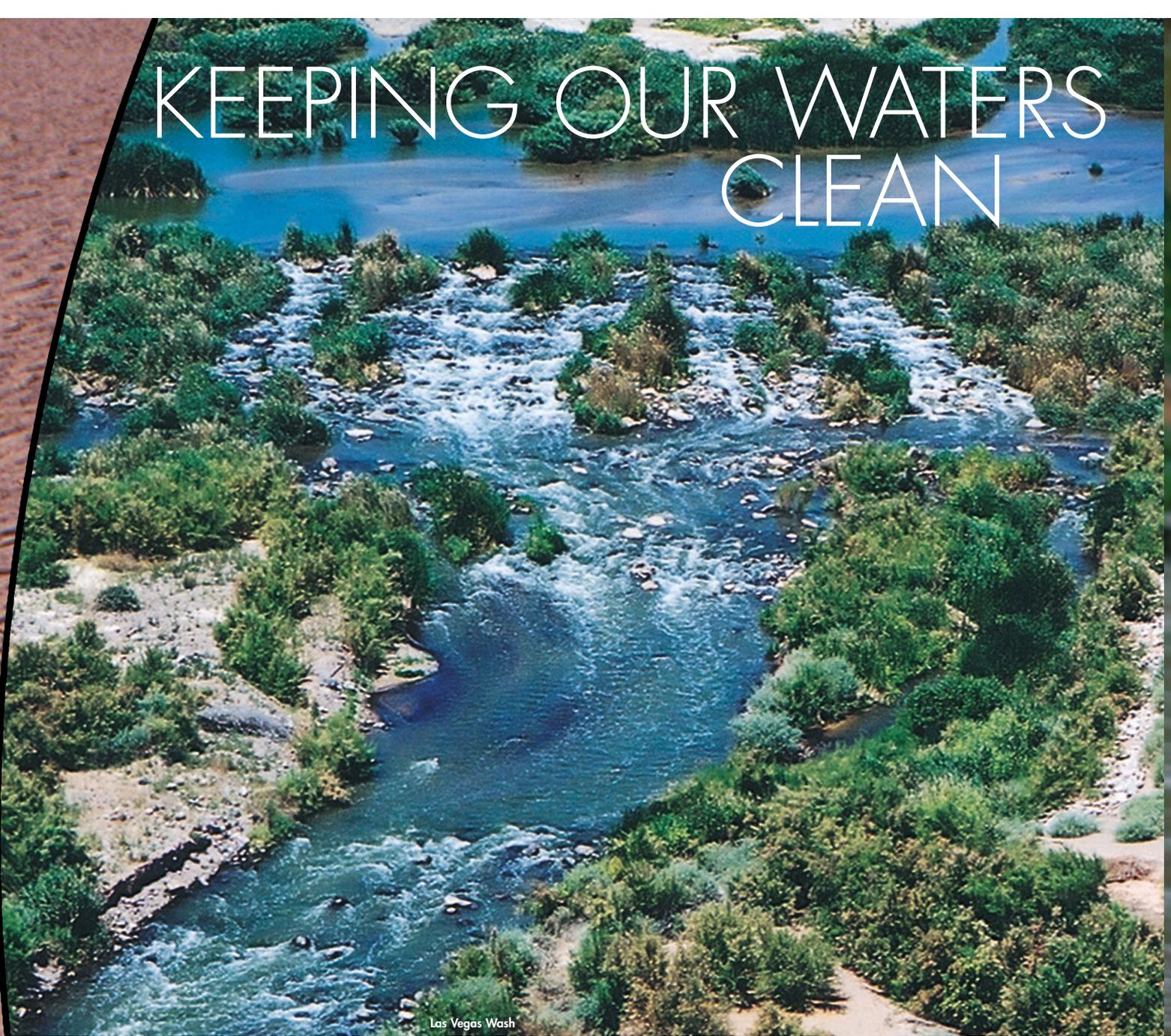
The District is governed by a Board of Directors comprised of the same membership as the Regional

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 the cities of 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.

Annually, the Board 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.

KEEPING OUR WATERS CLEAN



Las Vegas Wash

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 included the development of a Storm Water Management Plan (SWaMP) identifying specific program areas which must be addressed. 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 at the District's website.

Additional information useful to the general public in the reduction of storm water pollution is available at 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. Please come join us and learn how you can help improve storm water quality. Also keep an eye out for our public service announcements which show how various pollutants are transported through the drainage network to Lake Mead and proper fertilizing of lawns, proper disposal of pet waste, and the benefits to the environment of using commercial car washes.



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 300 meteorologic sensors in real-time to computerized base stations operated by each of the cooperating agencies.

During the 2003-04 fiscal year, five new stations were installed, bringing the total number of field stations in operation to 139. Of this total, 25 stations collect temperature, humidity and wind data in addition to rainfall data; 74 stations collect rainfall and water level information. The remaining 40 stations report only rainfall data. Ten 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 129 stations.

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 then assess the potential for flooding and begin alerting 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 an 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.ccrfcd.org). Both historic and current rain and weather data collected from any of the District's field stations can be accessed.

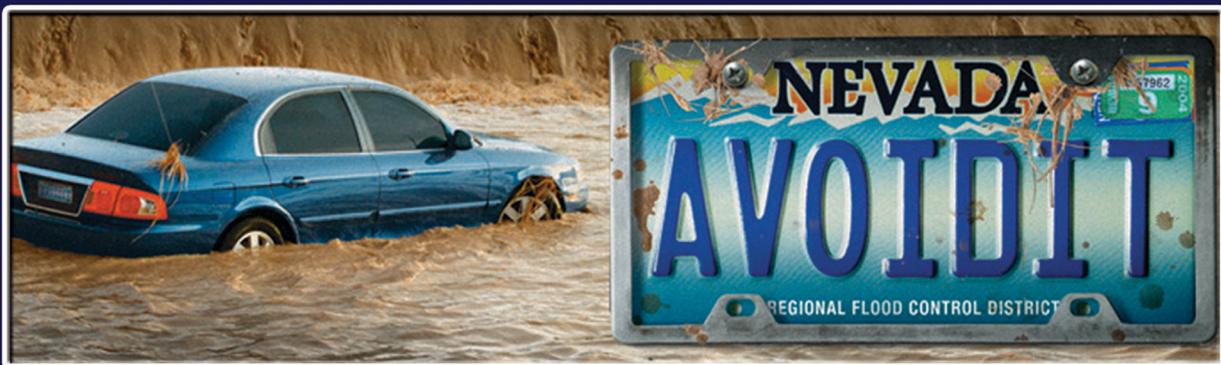
KEEPING THE COMMUNITY INFORMED



June 2004 Flood Safety News Conference

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 they can help improve the quality of urban runoff that travels into Lake Mead.

Several programs are conducted throughout the year to spread the flash flood safety message to the community. Following is a summary of some of those activities:



June 2004 Flood Safety Billboard Campaign

- The Board of Directors designated July as “Flash Flood Awareness Month” and held a news conference kicking off Flash Flood Season. Metro Search and Rescue Officers demonstrated the power of just a few inches of water moving only 5 miles an hour at Wet’n Wild. 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 District received a record amount of news coverage in June and July totaling more than 150 minutes of television air time.
- Special emphasis is placed on educating children about the dangers of playing in washes and other flood control facilities. This past fiscal year, presentations were made to approximately 5,000 children in 45 area schools.
- School curriculum materials were provided to teachers and students that included a four-page teacher guide, eight-page student activity book and flood safety video. These were sent, at teachers’ requests, to classrooms reaching more than 16,000 elementary-aged students.
- The District also conducts a Flood Safety Advertising Campaign that warns motorists about the dangers of flash flooding through advertising on billboards, flood safety messages airing on radio traffic reports, television commercials and newspaper and magazine advertisements. New creative artwork was used this year featuring personalized license plates with a flood safety message. A contest was held in conjunction with the new campaign where residents could submit their own flood safety slogan. The winning entry was “W8ITOUT” which will be used in the campaign for the next two years.
- Anderson Dairy printed and distributed more than 250,000 milk cartons with a flood safety message at no charge to the District, and a flood safety and informational brochure was mailed to approximately 30,000 realtors, lenders and insurance agents in Clark County.
- The District also continued production of *The Flood Channel*, an award-winning, informational news program airing on two local government access stations, cable channels 2 and 4, and on cable channels in several outlying areas. This program was created to inform the public about what the District does, to heighten public awareness of flash flooding, and to highlight the benefits and progress of flood control in the community.



HISTORY OF FLOODING IN CLARK COUNTY

August 2003

Recorded reports of flooding in Clark County date back nearly one hundred 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 10 million dollar floods. In that same period, 29 lives were lost in 19 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. Falling 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 inconvenience 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.

On August 19, 2003 an incredibly intense thunderstorm dropped up to 3 inches of rainfall in northwest areas of the Las Vegas Valley and overwhelmed the capacity of some drainage facilities. The area with the most rainfall was roughly bounded on the north by Centennial Road, on the east by US-95, on the south by Sahara Avenue, and on the west by the Beltway. Within the 50 to 60 square mile area directly impacted by the most rainfall, five Regional Flood Control District automatic rain gauges reported in excess of 2 inches of rainfall in approximately 90 minutes. In addition, a senior National Weather Service meteorologist reported measuring 2.30" of rain in a 20-30 minute period at his residence near Cheyenne and Fort Apache. At some District gauges, rainfall depths and intensities measured during this storm exceeded those of the 100-year design storm adopted for use in sizing drainage facilities in this area.

The runoff from this rainfall turned many of the west-east roads in the Northwest area into rivers. Some of the worst flooding was in Gowan Road east of US-95. It appears that the majority of that flow originated in Alexander Road, Craig Rd. and Lone Mountain Rd. The floodwaters in those

MASTER PLANNING



Tributary To Western Tributary At Craig Road

History Continued...

roadways flowed east to US-95, and then flowed south along US-95 to Gowan Rd. The flood control facilities that are in place appeared to function as designed. The Gowan South Detention Basin captured upwards of 400 acre-feet of runoff. The Cheyenne Channel, Gowan North Channel, and Buffalo Channels were all flowing at least 2-3 feet deep.

While there were no major injuries reported as a result of this storm and the associated flooding, there were a number of both helicopter rescues and swift water rescues as commuters were trapped by the floodwaters. Damage to public facilities was estimated to be \$1.5 million, and the estimate of damages to private property was a similar amount.

The average annual rainfall for the Las Vegas Valley as measured by the National Weather Service (NWS) at McCarran International Airport is 4.49 inches. During the 2003 calendar year, 6.86 inches of rain was recorded at that site. This is consistent with the rainfall depths measured by most of the District's Flood Threat Recognition System gauges throughout the County.

Fulfilling Environmental Regulations

Throughout its history, the District has nurtured its relationships with the Bureau of Land Management, United States Fish and Wildlife Service, and the U.S. Army Corps of Engineers. The District continues to assist local governments in their efforts to obtain rights-of-way and environmental permits from regulatory agencies.

During this fiscal year, the District continued preparing a Supplemental Environmental Impact Statement (SEIS) addressing the impacts associated with the construction, operation and maintenance of Master Plan flood control facilities located in the Las Vegas Valley and Boulder City. This analysis and documentation of impacts is necessary in order to secure rights-of-way to public lands as well as many required Federal permits. Over the past year, the draft SEIS was prepared and distributed to all interested parties for review and comments. It is anticipated that the Flood Control Master Plan Supplemental EIS (SEIS) will be released in Fall 2004.

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. Master Plan Updates for the outlying areas of Clark County and Laughlin were adopted this year. A Master Plan Update for the Muddy River and Tributaries (Moapa, Moapa Valley and Glendale) was initiated in Fiscal Year 2004 and is scheduled for adoption in Fiscal Year 2005.



FLOODPLAIN MANAGEMENT

August 2003

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 2003 by the entities and the District.

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:

- 1) *Promote comprehensive floodplain management,*
- 2) *Require safe flood-prone area development,*
- 3) *Foster sound development policies and construction procedures, and*
- 4) *Reduce stormwater 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 community's continued involvement, as well as provide an incentive for new flood protection activities.

Nationwide, of the nearly 20,000 communities participating in the NFIP, roughly 960 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, and the City of North Las Vegas were among the communities to realize a 5 to 15 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



Lower Red Rock Complex July 2004

Land Development Reviews Continued...

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 502 studies and 854 addenda related to the development of private properties deemed to have regional flood control significance. Reviews by the District resulted in the issuance of 469 concurrence letters and 45 related comment letters.

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 are required. Many areas have already been restudied resulting in the removal of approximately 38.4 square miles or 24,562 acres from identified 100-year flood zones. Studies are on-going for Tropicana Wash

and Tributaries from the Flamingo Wash to the Southern Beltway; a group of remnant flood zones throughout Clark County. We are also compiling engineering data for flood control projects which began construction this year with proceeds of the 2003 commercial paper program. This data will be submitted to FEMA to get their support for a flood map revision once the projects complete construction. This way we can have the maps 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. The Manual 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.



PARTNERING WITH THE FEDERAL GOVERNMENT

R-4 Detention Basin

The U.S. Army Corps of Engineers' Tropicana and Flamingo Washes Project, located in the southwestern portion of Las Vegas Valley, includes three detention basins, modifications to two existing detention basins, three debris basins, 27.7 miles of primary channel, a network of lateral collector channels, and desert tortoise mitigation. 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 implementation, planning, funding, design, construction, operation, and maintenance of a \$276.6 million network of flood control facilities. The District hopes to secure \$208.1 million in federal funding through this agreement and is responsible for the local sponsors' financial obligation of \$68.5 million. The District is responsible for project management and funding for approximately 25 percent of total project costs. Clark County will acquire rights-of-way, provide surveying and engineering services for utility relocations and bridge crossings, and operate and maintain the facilities upon completion of the project. The Corps will provide project management, design, construction management, and funding for approximately 75 percent of total project costs.

Tropicana/Flamingo Washes Project Area

The District, Clark County, and the Corps made significant progress on the Tropicana and Flamingo Washes Project during Fiscal Year 2003-04. The project currently is about 90 percent complete and is scheduled for completion in 2006. The three partners have accomplished considerable work consisting of design, rights-of-way acquisition, and construction management on many features of the project. During the past twelve months, the Corps completed construction of F-1 and F-2 Debris Basins and Outfall Channels, modifications to Tropicana Detention Basin and Outfall Channel, and Upper Flamingo Diversion Channel. The Corps started construction of Blue Diamond Channel-Durango Reach. In addition, the Corps started design of F-4 Debris Basin and Outfall Channel and Flamingo Detention Basin Expansion, both of which are scheduled for construction next fiscal year.

In January 2004, Congress appropriated \$26.3 million for federal Fiscal Year 2004 for the Tropicana and Flamingo Washes Project. Total federal funding has increased to approximately \$194 million for these important flood control continued improvements. Reimbursement of \$17.6 million to local sponsors for work completed under Section 211 of Water Resources Development Act of 1996 is included in total federal appropriations.

By securing federal appropriations, the District leverages revenue from local sales tax and is able to accelerate completion of needed flood control improvements. In March 2004, the District prepared testimony seeking continued federal appropriations for federal Fiscal Year 2005 of \$26.5 million for construction and for reimbursement under Section 211.

CORPS PROJECT AREA

F-1 Channel



ENHANCING INFORMATION SYSTEMS www.ccrfcd.org

Las Vegas Valley Terrain Map

The District's website (www.ccrfcd.org) is designed to provide information to the public about the District, current and historical rainfall data, projects and facilities, flood zones, 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 hundreds of 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:

- ◆ the addition of a web-based tool allowing users to generate maps for exhibits used for District capital improvement agenda items,
- ◆ the creation 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, and
- ◆ the addition of an agenda search tool which allows users to find current and historical District meeting agendas.

Future IT projects include mobile database editing and data entry, automation of the ten-year program, and a flood simulation program to be used by students.

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



DEMONSTRATING FISCAL INTEGRITY

Flamingo Wash, I-515 to Boulder Highway

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 2003-04 totaled \$69,828,336, bringing total revenues derived from sales tax since 1987 to \$651,465,799.

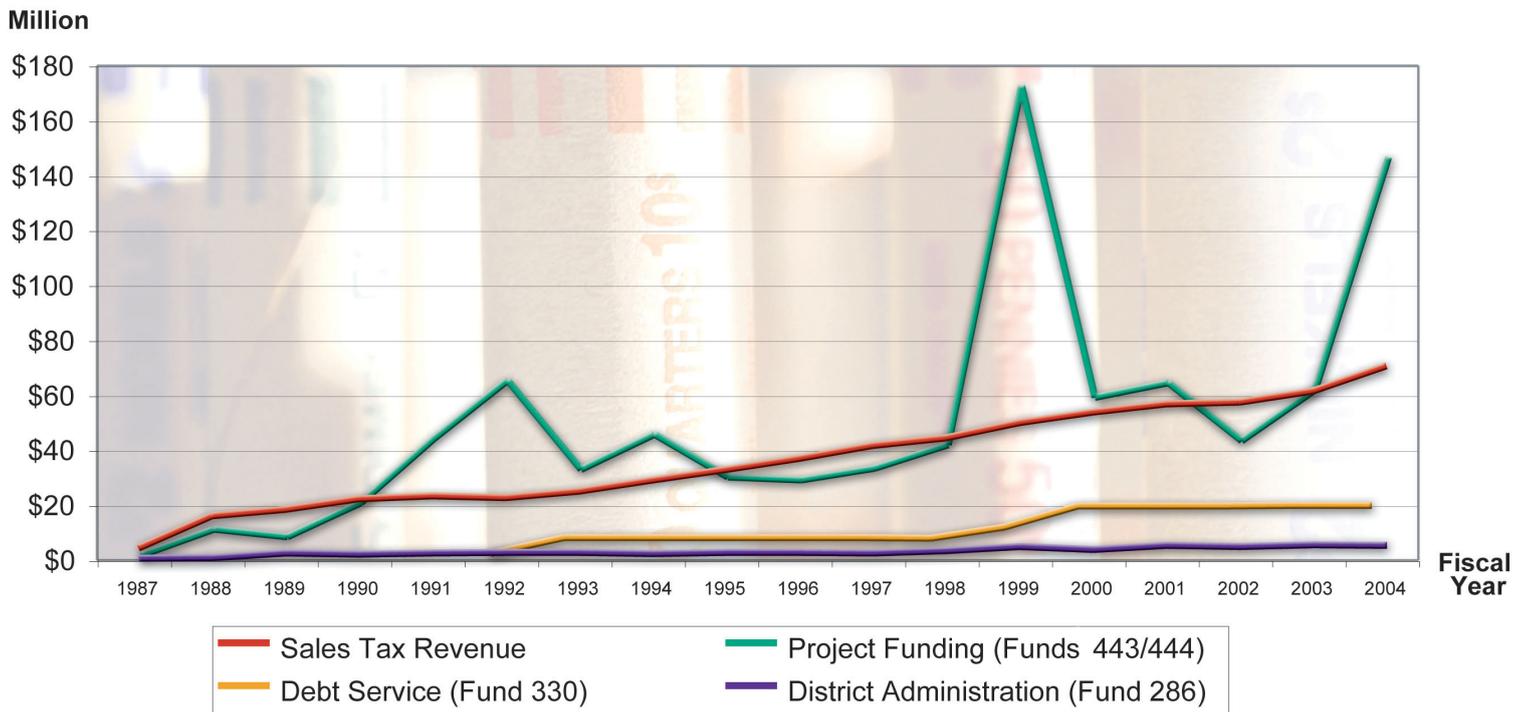
After the terrorist attacks of September 11, 2001, sales tax revenues fell short of projections—increasing only one percent from the prior year. Prior to 2001, average sales tax revenues increased annually by more than ten percent. As our local economy has rebounded from 2001, Clark County is once again seeing strong sales growth. In fiscal year 2003-04, sales tax revenues exceeded budget estimates by more than six percent and prior year's revenue by 15 percent. Sales tax revenues for fiscal year 2004-05 are projected to be \$68.2 million, which will be adjusted upwards as a result of the final sales tax revenues for fiscal year 2003-04. More than 90 percent of sales tax revenues are used to build and maintain flood control projects and pay for the associated debt service, and less than ten percent of sales tax revenues are used to pay for salaries and benefits, professional consulting contracts, and other administrative costs.

The District has strategically used borrowing as an effective means to accelerate the construction of flood control projects in Clark County—utilizing one hundred percent of all borrowing to design and construct flood control infrastructure. In 1991, the District issued \$80 million in general obligation bonds, and in 1998, \$150 million in general obligation bonds were issued. In 2003, the District initiated a \$200 million commercial paper program to accelerate the construction of flood control projects for the protection of our community.

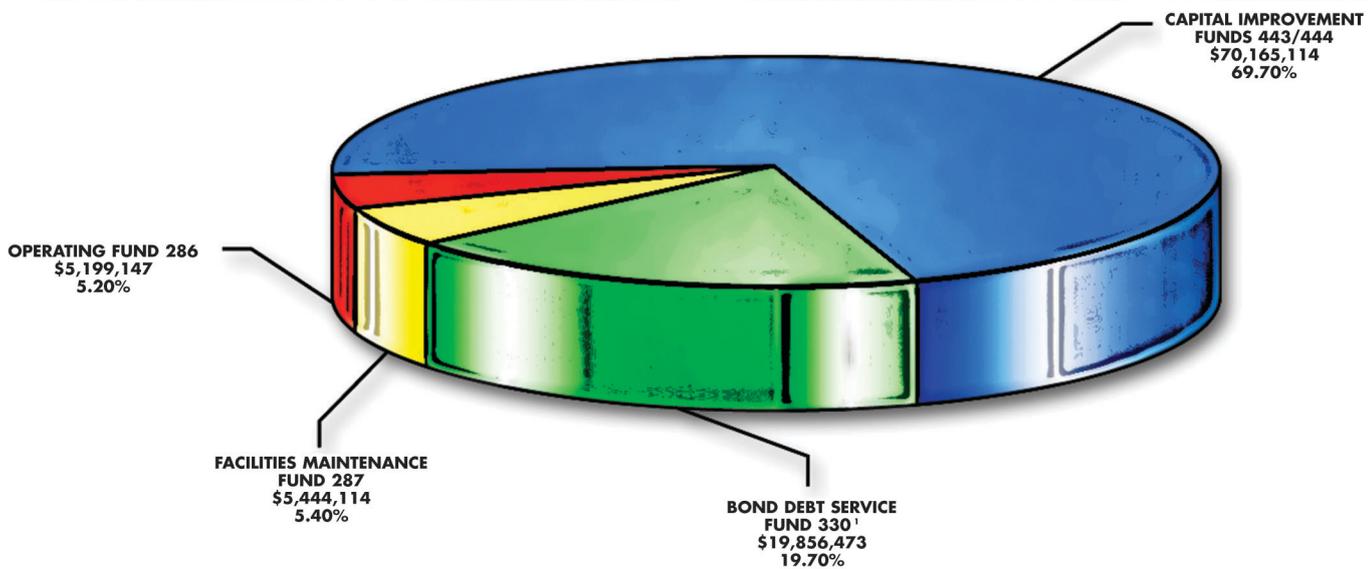
During fiscal year 2003-04, the District funded approximately \$145 million in flood control projects, of which \$140 million were funded with commercial paper. By effectively using \$651 million in sales tax revenue, \$430 million in borrowing, and \$194 million in Federal participation, the District has overseen the design and construction of more than \$1 billion in flood control projects throughout Clark County.

HISTORICAL FINANCIAL INFORMATION

Duck Creek, Lower Detention Basin to Silverado Ranch Boulevard



DISTRICT EXPENDITURES



FY 2003-04 REGIONAL FLOOD CONTROL DISTRICT EXPENDITURES

Capital Improvement Funds 443/444	...	..\$70,165,114	.....	.69.70%
Bond Debt Service Fund 330 ¹	.....	..\$19,856,473	.....	.19.70%
Facilities Maintenance Fund 287	.....	..\$5,444,114	.....	.5.40%
Operating Fund 286	.....	..\$5,199,147	.....	.5.20%
Total Expenditures	.....	..\$100,664,848	.....	.100.00%

¹Bond Debt Service includes 1991 (\$80 million) and 1998 (\$150 million) General Obligation Flood Control Bonds that were issued to expedite construction of flood control improvements.

DISTRICT FUNDS - F



Flamingo Wash, I-515 to Boulder Highway

Statement of Revenues, Expenditures and Changes in Fund Balance (Unaudited¹)

	Operating Fund 286	Facilities Maintenance Fund 287
Revenues		
Sales Tax Revenue	\$ 69,828,336	\$.0
Interest/Other	419,836	2,214,821
Proceeds from Bonds and Loans ²	0	0
Total Revenues	70,248,172	2,214,821
Expenditures		
Salaries and Wages	1,708,450	0
Employee Benefits	552,804	0
Services and Supplies	2,858,076	5,444,114
Capital Outlay	79,817	0
Principal	0	0
Interest	0	0
Total Expenditures³	5,199,147	5,444,114
Excess (Deficiency) of Revenues Over (Under) Expenditures	65,049,025	(3,229,293)
Other Financing Sources (Uses)		
Transfers from Other Funds	16,647,151	6,153,008
Transfers to Other Funds	(83,383,093)	0
Total Other Financing Sources (Uses)	(66,735,942)	6,153,008
Excess (Deficiency) of Revenues and Other Financing Sources Over (Under) Expenditures and Other Financing Uses	(1,686,917)	2,923,715
Fund Balance		
Beginning of Year	11,771,868	1,661,123
End of Year	10,084,951	4,584,838
Reserved Fund Balance ⁴	1,598,691	683,445
Designated Fund Balance ⁵	8,486,260	3,901,393

¹ Audited financial statements are available upon request.

² In August 2003, the Board of Directors authorized the issuance of \$200 million in commercial paper notes to fund flood control infrastructure in Clark County.

³ See pie chart, page 21.

⁴ Reserved Fund Balance is the portion that the District has contractually obligated either through Interlocal Contracts or Purchase Orders.

⁵ Designated Fund Balance is the portion that the District has earmarked for projects that are part of the Ten-Year Construction Program.

FISCAL YEAR 2003-04



Simmons Street Channel

Bond Debt Service Fund 330	Capital Improvement Funds 443/444	Total District Funds
\$ 0	\$ 0	\$ 69,828,336
9,526	2,708,033	5,352,216
. 0	85,265,662	85,265,662
9,526	87,973,695	160,446,214
. 0	. . . . . 0	1,708,450
. 0	. . . . . 0	552,804
1,060	912,837	9,216,087
. 0	69,252,277	69,332,094
12,340,000	. . . . . 0	12,340,000
7,515,413	. . . . . 0	7,515,413
19,856,473	70,165,114	100,664,848
(19,846,947)	17,808,581	59,781,366
. 20,165,054	. . . . . 107,423,306	. . . . . 150,388,519
. 0	(66,271,919)	(149,655,012)
20,165,054	41,151,387	733,507
. 318,107	. . . . . 58,959,968	. . . . . 60,514,873
11,999,836	69,919,352	95,352,179
12,317,943	128,879,320	155,867,052
12,317,943	128,879,320	143,479,399
. 0	. . . . . 0	12,387,653

MAINTAINING FLOOD CONTROL FACILITIES



Flamingo Wash, Boulder Highway To Mojave Road

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 2003-04 Maintenance Work Plans and Budgets, which were approved by the Board on June 12, 2003, in the amount of \$5,927,559. The Board approved a supplemental budget request of \$200,000 on June 10, 2004, bringing the total approved budget to \$6,127,559.

Flood control facility maintenance was performed using a combination of private contractors and entity maintenance staff. During this year, approximately 350 miles of channels and underground storm drains were inspected and/or maintained throughout the service area of the District, along with 62 detention basins.

MAINTENANCE WORK PROGRAM EXPENDITURES

Entity	FY 2003-04 <i>Unaudited</i>
Boulder City	\$ 104,140
Clark County	\$ 2,406,072
Henderson	\$ 324,590
Las Vegas	\$ 1,554,208
Mesquite	\$ 129,748
North Las Vegas	\$ 925,356
TOTAL	\$ 5,444,114

FUNDING APPROVED DURING FISCAL YEAR 2003-04

	Total-to-Date	FY 2003-04
BOULDER CITY		
Valley View, Red Mountain and DD Facilities	\$11,081,356	\$658,617
West Airport Facilities		
CLARK COUNTY	\$501,030,503	\$66,692,511
Blue Diamond Channel, Jones Branch		
Lakes Detention Basin, Collection System and Outfall, Phase IV (Buffalo Drive Storm Drain - Desert Inn Road to Laredo Street)		
Duck Creek Channel, Eldorado Lane to Spencer Street		
Duck Creek, Broadbent Boulevard Bridge and Channel		
Duck Creek, Phase IIIB, Broadbent Boulevard to Boulder Highway		
Flamingo Diversion, Jones Branch		
Flamingo Wash, Algonquin Drive to Maryland Parkway		
Flamingo Wash, I-515 to Boulder Highway		
Lower Flamingo Detention Basin • Red Rock Channel, Naples Branch		
Red Rock Channel, Naples Branch - Flamingo Connector		
Tropicana North Branch Detention Basin		
<i>Corps of Engineers Tropicana/Flamingo Washes Project Federal Funding¹</i>	\$194,000,000	\$26,300,000
HENDERSON	\$94,920,899	\$12,379,769
Boulder Highway Channel • Drake Channel		
Northeast Detention Basin and Levee • Pittman Wash Burns		
Pittman Wash Railroad Channel, US-95 to Major Avenue		
LAS VEGAS	\$201,140,519	\$18,734,865
Alta Parallel System • Freeway Channel, Charleston Lateral		
Gowan North Channel, Lone Mountain Road (El Capitan Way to the Western Beltway)		
Gowan North System, Phase III (Alexander Road to Lone Mountain Road)		
Gowan Outfall, Lone Mountain Branch (Decatur Boulevard to Channel)		
Lone Mountain System, Lone Mountain Detention Basin Outfall to Durango		
Oakey - Meadows Storm Drain • Peak Drive System (Jones Boulevard to Michael Way)		
MESQUITE	\$14,652,628	\$9,490,900
Abbott Wash, Conveyance System, Pioneer Boulevard to the Virgin River		
NORTH LAS VEGAS	\$175,313,644	\$63,460,373
"A" Channel Three Bridges Project (Cheyenne Avenue, Las Vegas Boulevard, and Carey Avenue)		
Ann Road, Allen Lane to Rancho Drive		
Decatur/Elkhorn/Rainbow System Predesign • Las Vegas Wash, Losee Road		
Simmons Street Channel • Sloan Channel • Tributary to Western Tributary at Alexander Road		
Upper Las Vegas Wash Facility Study • Upper Las Vegas Wash, Craig to Elkhorn		
TOTAL FUNDING²	\$998,139,549	\$171,417,035

¹ Represents federal funding, which is included in the Clark County totals.

² Includes federal funding.

COMPLETED PROJECTS FISCAL YEAR 2002-03

Boulder City

West Airport Facilities July 2002

Clark County

Duck Creek, Railroad near Warm Springs to Topaz Street (Phase IIB) December 2002
Flamingo Diversion – Jones December 2002
Flamingo Wash, Boulder Highway to Mojave Road (Miracle Mile) July 2002
Flamingo Wash, Spencer Street Bridge and Approach Channel October 2002

Corps of Engineers

Tropicana/Flamingo Washes Project

F-1 Channel, Beltway to Hualapai Way June 2003
R-4 Detention Basin and Channel April 2003

Henderson

Gibson Channel Culvert at Sunset Road April 2003
Pittman Eastern Detention Basin November 2002
South Pittman Detention Basin (McCullough Hills Detention Basin) July 2002

Las Vegas

Freeway Channel, Alta Drive to Sahara Avenue and Bypass Facility from Wall Street to Sahara Avenue . . . August 2002
Las Vegas Wash, Rancho Drive System (Carey/Lake Mead Detention Basin to Peak Drive) February 2003
Meadows Detention Basin Expansion October 2002

North Las Vegas

Gowan Outfall, Craig Road to Channel July 2002



COMPLETED PROJECTS FISCAL YEAR 2003-04

Clark County

Duck Creek, Broadbent Boulevard Bridge and Channel *June 2004*
 Duck Creek, Phase II and Lower Pittman *June 2004*
 Lakes Detention Basin,
 Collection System, and Outfall, Phase IV
 (Buffalo Drive Storm Drain –
 Desert Inn Road to Laredo Street) *September 2003*

Corps of Engineers

Tropicana/Flamingo Washes Project

Blue Diamond Channel – Durango Reach
 (Warm Springs Intersection) *May 2004**
 F-1 and F-2 Debris Basins and Channels, Phase II . . . *January 2004*
 Upper Flamingo Diversion Channel, Phase II
 (Jones Boulevard to Flamingo Detention Basin) *May 2004*

Henderson

C-1 Channel, Upper and Middle Reaches
 Vermillion Drive to Boulder Highway *March 2004*

Las Vegas

Ann Road, Allen Lane to Rancho Drive *August 2003*
 Crystal Water Way, Lake South Drive to
 Desert Inn Road, Local Drainage *October 2003*
 Gowan North – Buffalo Branch
 (Cheyenne Avenue to Lone Mountain Road) *May 2004*
 Las Vegas Creek Channel, Parallel
 System at Decatur Boulevard *May 2004*
 Owens Avenue System (Rancho Drive to I-15) *June 2004*
 Peak Drive, Rainbow Boulevard to Torrey
 Pines Drive, Local Drainage *November 2003*

North Las Vegas

Las Vegas Wash - Losee Road *May 2004*
 Tributary to the Western Tributary at Craig Road
 ("A" Channel Craig Confluence) *September 2003*

* Portions of the Red Rock and Blue Diamond Channels are included in the U.S. Army Corps of Engineers (Corps) Tropicana and Flamingo Washes Project. Clark County designed and constructed these facilities to meet Corps standards. The District and Clark County will seek reimbursement for the Federal proportional share of the facilities as identified in Section 211 of WRDA 1996.

PROJECTS UNDER CONSTRUCTION

(AS OF JUNE 30, 2004)



Cheyenne Peaking Basin

Clark County

Scheduled for Completion

- Duck Creek, Broadbent Boulevard to Boulder Highway (Phase IIIB)May 2005
- Duck Creek, Lower Detention Basin to Silverado Ranch BoulevardJanuary 2005
- Duck Creek, US-95 BranchSeptember 2004
- Flamingo Wash, I-515 to Boulder HighwayDecember 2004

Corps of Engineers

Tropicana/Flamingo Washes Project

- Upper Blue Diamond Diversion ChannelFebruary 2005

Henderson

- Pittman Wash Railroad Channel (Phase I)July 2005

Las Vegas

- Gowan North System - Phase III: Alexander Road to Lone Mountain RoadMarch 2005

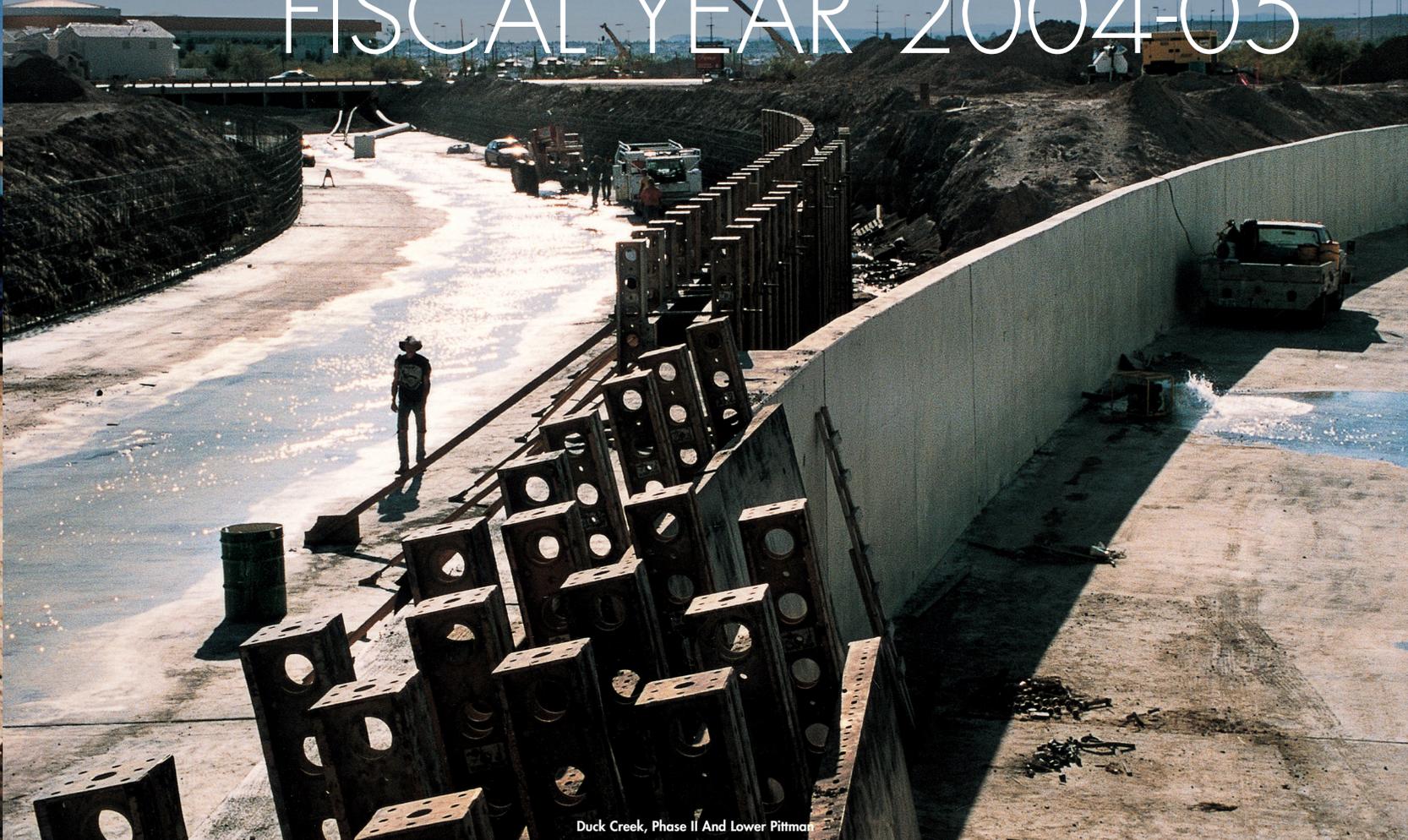
Mesquite

- Abbott Wash Conveyance System, Pioneer Boulevard to the Virgin RiverDecember 2004

North Las Vegas

- Cheyenne Peaking Basin, Collection and Outfall – Alexander Road to Cheyenne AvenueOctober 2004
- Simmons Street ChannelSeptember 2004
- Tributary to the Western Tributary at Alexander RoadFebruary 2005

SCHEDULED FOR DESIGN/CONSTRUCTION FISCAL YEAR 2004-05



Duck Creek, Phase II And Lower Pittman

Boulder City

	<i>Estimated Completion Date</i>
Bootleg Canyon Facilities, Design	.July 2005
East Airport Facilities, Design	.July 2005
El Camino Way and Gingerwood Street Crossings, Design	.July 2005
Georgia Channel Facilities, Construction	.September 2005
Lake Mountain Drive Debris Basin Expansion, Design	.July 2005
North Railroad Watershed (Industrial Road Facility), Design	.September 2004
Trailhead Facilities, Design	.July 2005
Valley View, Red Mountain, and DD Facilities, Design	.March 2005
Veterans Memorial Detention Basin, Construction	.November 2005
Yucca Debris Basin, Collection, and Outfall, Design	.August 2005

Clark County

Blue Diamond Channel – Jones Branch, Construction	.February 2005
Blue Diamond Channel – Rainbow Branch, Construction	.May 2005
Duck Creek, Eldorado Lane to Spencer Street, Design	.September 2004
Duck Creek, Lower Detention Basin to I-15, Design	.October 2004
Duck Creek, Mountain Vista Street to Green Valley Parkway, Design	.June 2005
Duck Creek, Silverado Ranch Road to I-15, Construction	.October 2006
Duck Creek, Sunset Road to Eastern Avenue, Phase III, Design	.August 2004
Duck Creek, Sunset Road to Sandhill Road, Design	.June 2005
Duck Creek, Topaz Street to Eastern Avenue, Construction	.September 2005



Clark County Continued...

- Flamingo Oquendo, DesignJune 2005
- Flamingo Wash, Algonquin Drive to Maryland Parkway, ConstructionJuly 2005
- Flamingo Wash, Desert Inn Road to Spencer Street, DesignJune 2005
- Indian Springs Flood Control Improvements, Design . . .July 2004
- Indian Springs Detention Basin, ConstructionAugust 2005
- Lower Flamingo Detention Basin, DesignOctober 2005
- Muddy River West Levee – Moapa Valley, DesignDecember 2005
- Orchard Detention Basin, DesignAugust 2005
- Red Rock Channel, Naples Branch, ConstructionJune 2005
- Sloan Channel, Las Vegas Wash to Charleston Boulevard, ConstructionMarch 2005
- SR-163 at Casino Drive, DesignJune 2005
- Tropicana North Branch Detention Basin, Design .January 2005

- Upper Duck, Central Duck, Lower Blue Diamond, and Bird Springs Detention Basins, Right-of-Way and DesignDecember 2004
- Windmill Wash Outfall, DesignJune 2005

**Corps of Engineers
Tropicana/Flamingo Washes Project**

- F-4 Debris Basin and Channel, DesignAugust 2004
- F-4 Debris Basin and Channel, ConstructionDecember 2005
- Flamingo Detention Basin Expansion, DesignAugust 2004
- Flamingo Detention Basin Expansion, Construction .March 2006

Henderson

- Boulder Highway Channel, ConstructionMay 2005
- C-1, US-95 Branch, ConstructionDecember 2005
- Drake Channel, DesignJuly 2005
- Equestrian Detention Basin Outfall, DesignJanuary 2005
- Equestrian Detention Basin Outfall, Construction .December 2005



Upper Blue Diamond Diversion Channel

Henderson Continued...

- Gibson Conveyance System, DesignOctober 2004
- Gibson Conveyance System,
ConstructionOctober 2005
- Northeast Detention Basin and Levee,
DesignJuly 2005
- Pittman-Pecos West Conveyance
and Eastern Avenue Tributary,
DesignSeptember 2004
- Pittman-Pecos West Conveyance
and Eastern Avenue Tributary,
ConstructionOctober 2005
- Pittman Wash – Burns,
DesignDecember 2004
- Pittman Wash Railroad Channel,
DesignSeptember 2004
- Pittman Wash Railroad Channel,
US-95 to Major Avenue,
ConstructionSeptember 2005
- Southwest Pittman Detention Basin
and Outfall, DesignSeptember 2005

Las Vegas

- Alta Parallel System, DesignFebruary 2005
- Alta Parallel System, ConstructionOctober 2005
- Ann Road Detention Basin (aka CAM-10 Detention Basin),
DesignAugust 2004
- Ann Road Detention Basin (aka CAM-10 Detention Basin),
ConstructionDecember 2005
- Brue Street Storm Drain, Local Drainage
ConstructionJuly 2005
- Brush Street Storm Drain, Local Drainage
ConstructionJuly 2005
- Decatur/Elkhorn/Rainbow System Predesign,
DesignNovember 2004
- Freeway Channel – Charleston
Lateral, ConstructionMay 2005
- Gowan North Channel, Alexander Drive
to Lone Mountain Road and Lone Mountain
Outfall, DesignJuly 2004
- GNC – Lone Mountain Road
(El Capitan Way to the Western Beltway), DesignNovember 2004
- GNC – Lone Mountain Road
(El Capitan Way to the Western Beltway), ConstructionFebruary 2006
- Holmby Channel, Buffalo Drive to Rainbow
Boulevard, Local Drainage ConstructionNovember 2004



Tributary to the Western Tributary at Alexander Road

Las Vegas Continued...

- Lone Mountain System – Branch 4,
ConstructionFebruary 2006
- Lone Mountain System – Cliff Shadows
Parkway to the Beltway, ConstructionFebruary 2006
- Lone Mountain System – Lone Mountain Detention
Basin Outfall to Durango Drive, ConstructionAugust 2005
- Oakey – Meadows Storm Drain, DesignApril 2006
- Peak Drive System (Jones Boulevard to Michael Way),
DesignMarch 2005
- Peak Drive System (Jones Boulevard to Michael Way),
ConstructionMarch 2006
- Rancho Detention Basin, Phase II, DesignJune 2005
- Rancho Road System (El Campo Grande Storm Drain),
DesignMay 2005
- Upper Las Vegas Wash Facility Study,
DesignNovember 2004

Mesquite

- Town Wash Conveyance, I-15 to
Virgin River, DesignJuly 2005

North Las Vegas

- “A” Channel Three Bridges Project
(Cheyenne Avenue, Las Vegas Boulevard, and Carey Avenue),
ConstructionDecember 2005
- Centennial Parkway Channel East,
DesignFebruary 2006
- Gowan Outfall – Lone Mountain Branch,
DesignOctober 2005
- Las Vegas Wash Main Branch, Cheyenne
Avenue to Lake Mead Boulevard,
DesignJanuary 2006
- Range Wash – Lamb Boulevard Storm Drain,
DesignJanuary 2005
- Upper Las Vegas Wash,
Craig Road to Elkhorn Road,
ConstructionFebruary 2006

TABLE OF CONTENTS



- Board of Directors**1
- Chairman's Message**2
- General Manager's Message**3
- District Organization**4
- Citizens' Advisory Committee**5
- Technical Advisory Committee**5
- About Our Region**6
- Authority of the District**7
- Keeping Our Waters Clean**8
- Monitoring the Weather**9
- Keeping the Community Informed** ..10
- History of Flooding in Clark County** ..12
- Master Planning**13
- Floodplain Management**14
 - Regulatory Program
 - The Community Rating System
 - Land Development Reviews
 - Floodplain Mapping
 - Drainage Standards

- Partnering with the Federal Government**16
- Tropicana/Flamingo Washes Project Area Map**17
- Enhancing Information Systems**18
- Demonstrating Fiscal Integrity**19
- Historical Financial Information**20
- District Expenditures**21
- District Funds For Fiscal Year 2003-04**22
- Maintaining Flood Control Facilities**24
- Funding Approved During Fiscal Year 2003-04**25
- Completed Projects For Fiscal Year 2002-03**26
- Completed Projects For Fiscal Year 2003-04**27
- Projects Under Construction**28
- Scheduled For Design/Construction Fiscal Year 2004-05**29



Simmons Channel



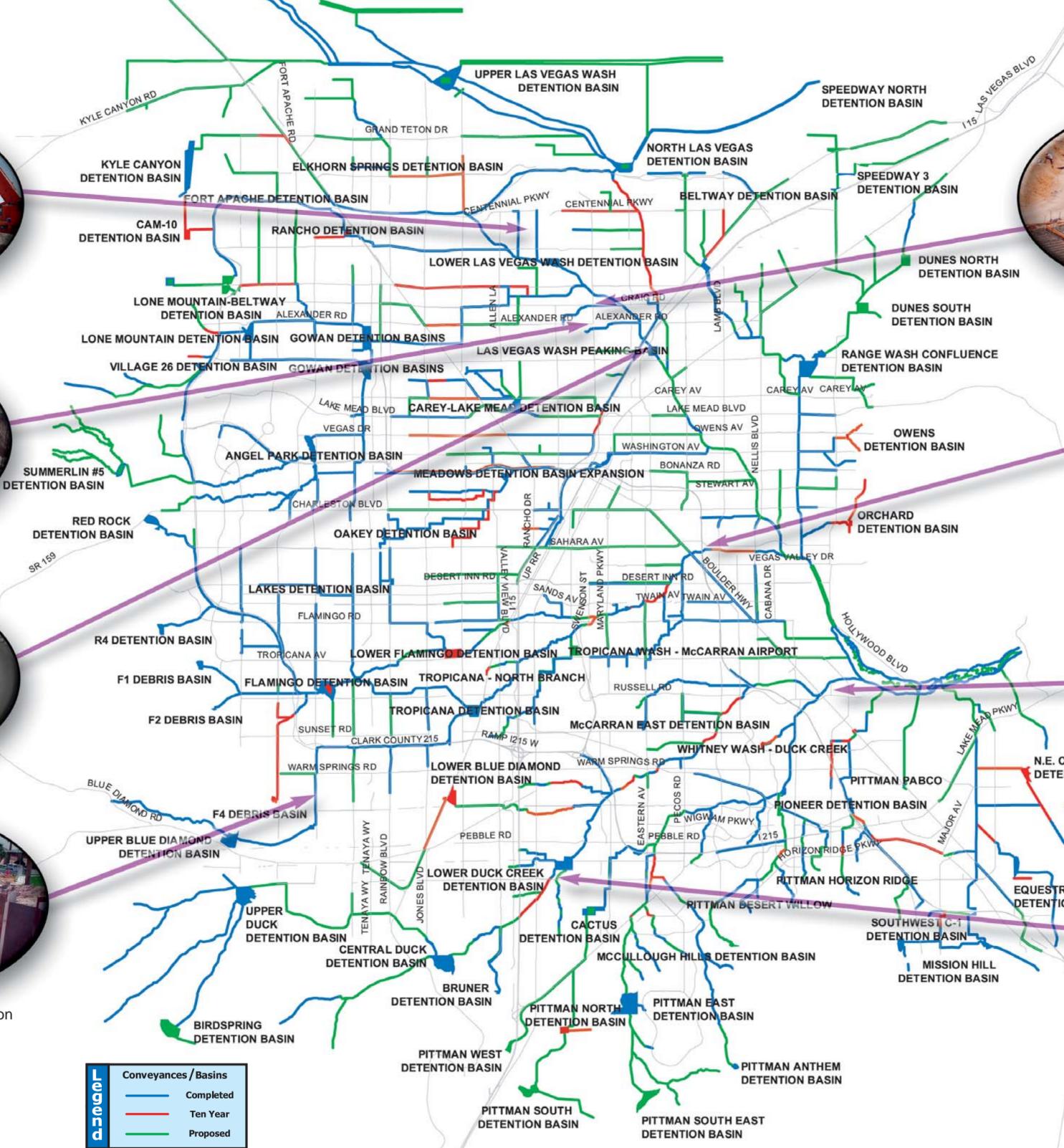
Alexander Channel



Cheyenne Peaking Basin



Upper Blue Diamond Diversion



Legend	Conveyances / Basins
Blue line	Completed
Red line	Ten Year
Green line	Proposed



Tributary To West Tributary At Craig Road



Flamingo Wash



Duck Creek



Duck Creek At Silverado Ranch Boulevard