

NOTICE OF MEETING

LAS VEGAS WASH COORDINATION COMMITTEE Tuesday, October 25, 2022 8:30 a.m.

MEETING TO BE HELD VIRTUALLY VIA MICROSOFT TEAMS Call-in Information: 1-323-776-6758 ID: 341-929-095#

The Las Vegas Wash Coordination Committee makes reasonable efforts to assist and accommodate persons with physical disabilities who desire to attend the meeting. For assistance, please contact Keiba Crear at (702) 822-3388 at least 48 hours in advance of the meeting.

Visit our website at https://www.lvwash.org/about-the-wash/who-we-are/index.html for Las Vegas Wash Coordination Committee agenda postings, copies of supporting material and approved minutes. To receive meeting information, including supporting material, contact the Agenda Coordinator at (702) 249-3248 or agendas@snwa.com.

Any Committee member may combine two or more agenda items for consideration, consider an item out of order, remove an item from the agenda or delay discussions relating to an item on the agenda at any time.

COMMENTS BY THE GENERAL PUBLIC

No Action May Be Taken: This is a period devoted to comments by the general public pertaining to items on this agenda. If you wish to speak to the Committee about items within its jurisdiction, but not appearing on this agenda, you must wait until the "Comments by the General Public" period listed at the end of this agenda. Please limit your comments to three minutes or less. No action may be taken upon a matter not listed on the posted agenda.

ITEM NO.

- I. For Information Only: Welcome/Call to Order
- **II.** For Possible Action: Approve April 26, 2022 Meeting Summary
- III. For Information Only: Receive Presentation on Lake Mead Water Quality
- **IV.** For Information Only: Receive Presentation on Lower Las Vegas Wash
- V. For Information Only: Receive Update on Recent Activities
 - a. Las Vegas Wash Project Coordination Team
 - b. Clark County Wetlands Park
 - c. Las Vegas Valley Watershed Advisory Committee
 - d. Emerging Issues
- VI. For Possible Action: Set Next Meeting Date/Time and Propose Items for the Next Meeting's Agenda

COMMENTS BY THE GENERAL PUBLIC

No Action May Be Taken: At this time, the Committee will hear general comments from the public on matters under the jurisdiction of the Las Vegas Wash Coordination Committee. Please limit your comments to three minutes or less.

THIS MEETING HAS BEEN PROPERLY NOTICED AND POSTED IN THE FOLLOWING LOCATIONS:

City of Boulder City, City Hall 401 California Avenue Boulder City, NV 89005

City of Henderson, City Hall 240 Water Street Henderson, NV 89015

Las Vegas Valley Water District 1001 S. Valley View Boulevard Las Vegas, NV 89153

Clark County Water Reclamation District 5857 E. Flamingo Road Las Vegas, NV 89122 City of North Las Vegas, City Hall 2250 Las Vegas Boulevard North North Las Vegas, NV 89030

Clark County Government Center 500 S. Grand Central Parkway Las Vegas, NV 89106

Southern Nevada Water Authority 100 City Parkway, Ste. 700 Las Vegas, NV 89106

City of Las Vegas, City Hall 495 S. Main Street Las Vegas, NV 89106

Regional Water Quality Update October 25, 2022

Todd Tietjen, Ph.D. Regional Water Quality Manager Southern Nevada Water Authority Todd.Tietjen@snwa.com

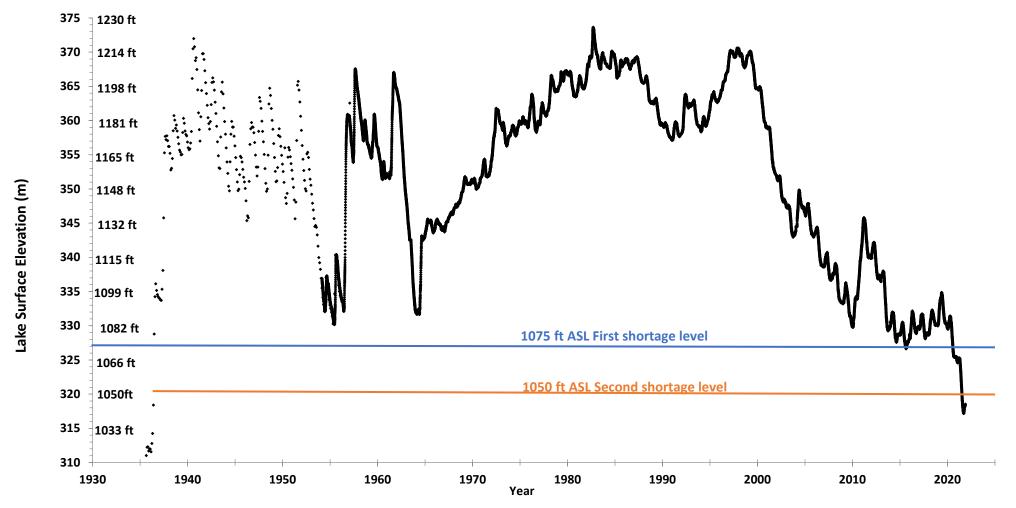


Lake Mead

- Talking about Water Quality, Not Water Quantity.
- All things considered water quality remains high in Lake Mead and Mohave
 - Localized issues
 - Toxin producing Algae
 - Lower lake levels are not going to be helpful in the long run
 - Short residence time continues to benefit water quality in Lake Mead.
- Modeling of Lake Mead is becoming more important in considering nearer term conditions in the lake.

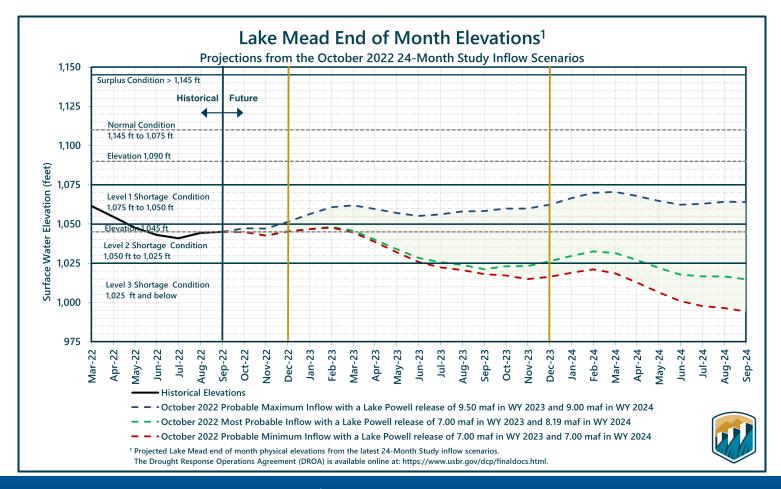


Lake Surface Elevation



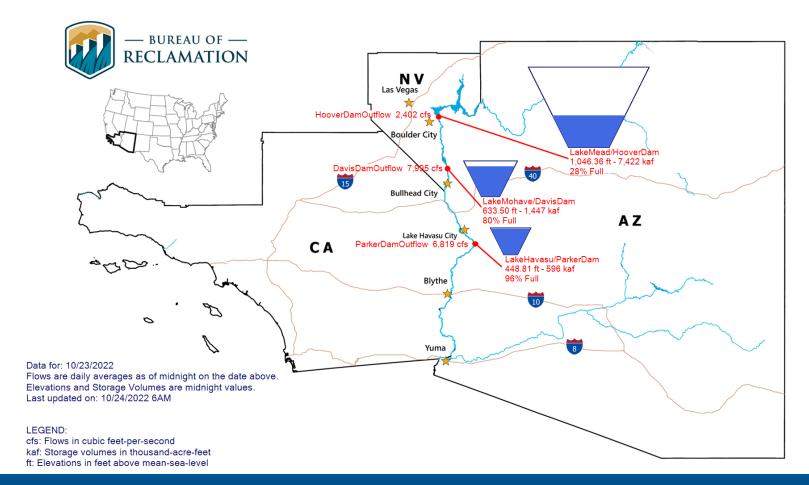


24 Month Study Predictions



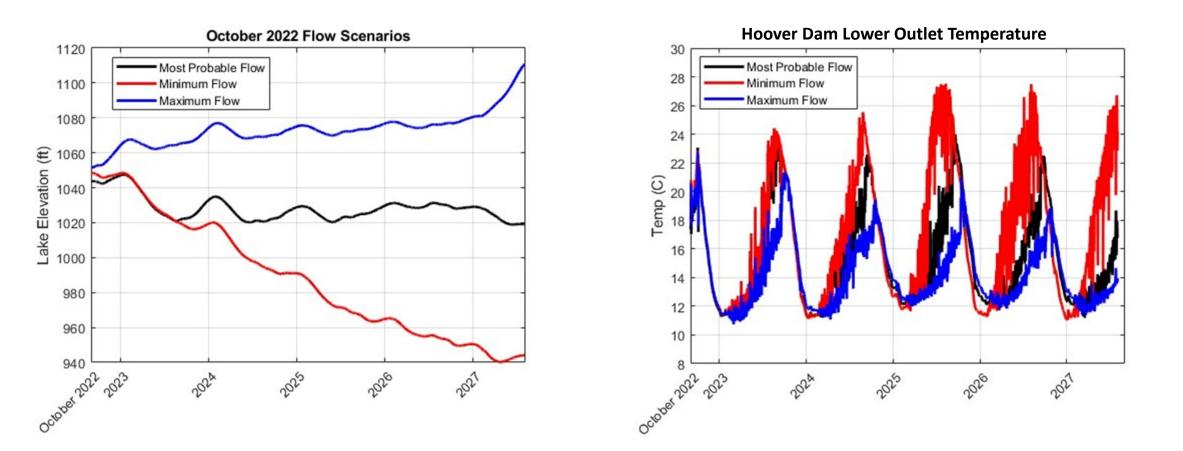


Lower Basin Storage



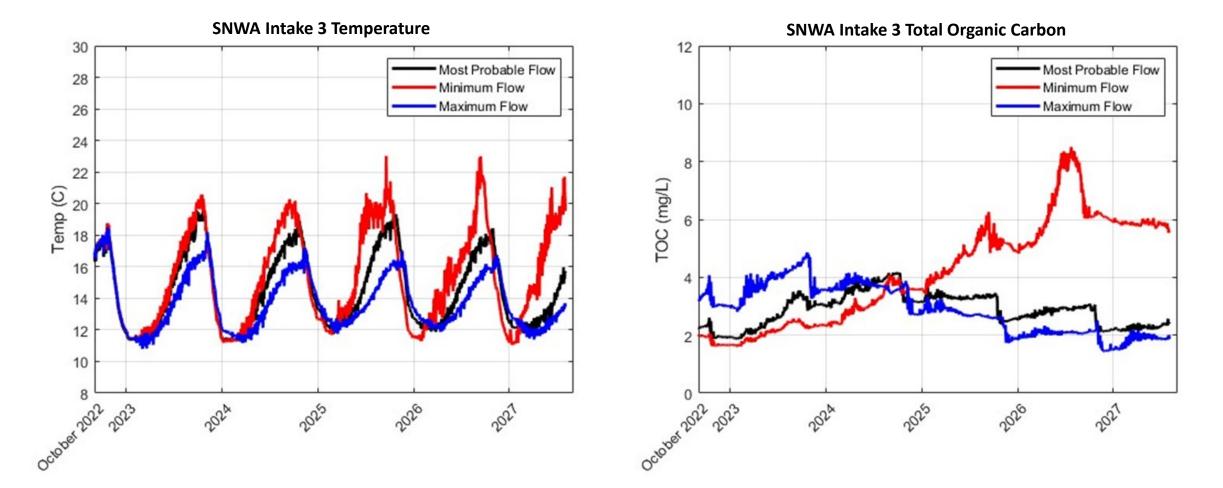


Longer Term Projections



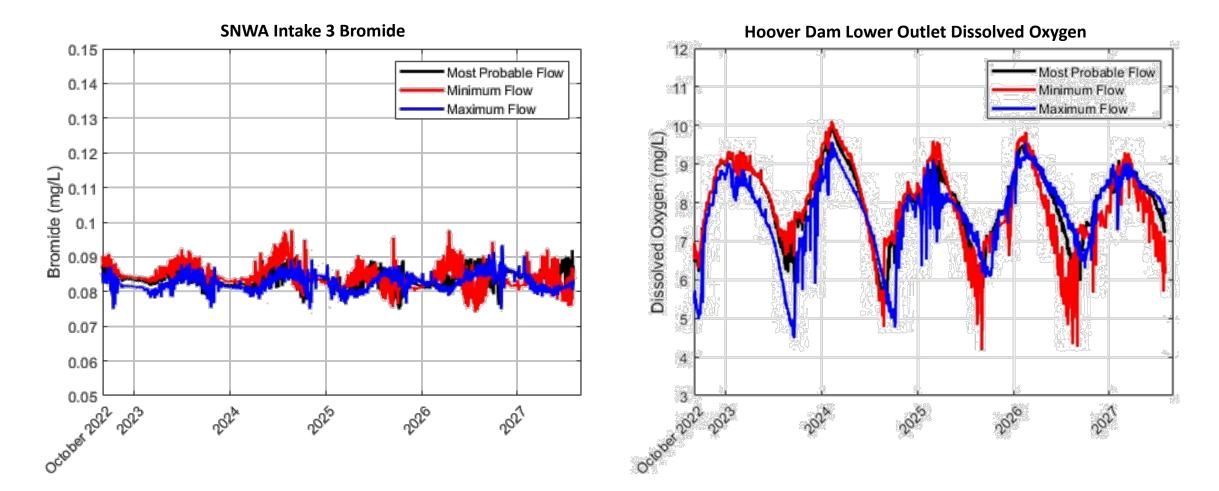


Longer Term Projections



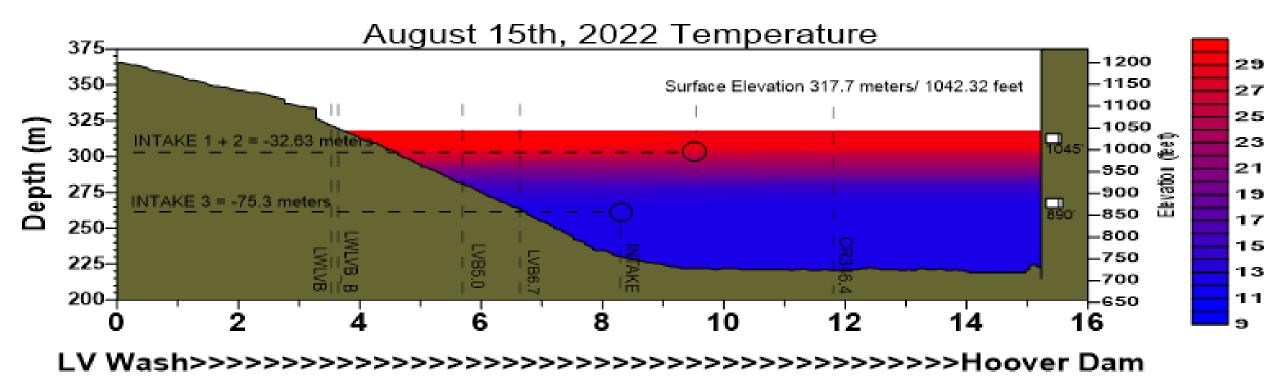


Longer Term Projections





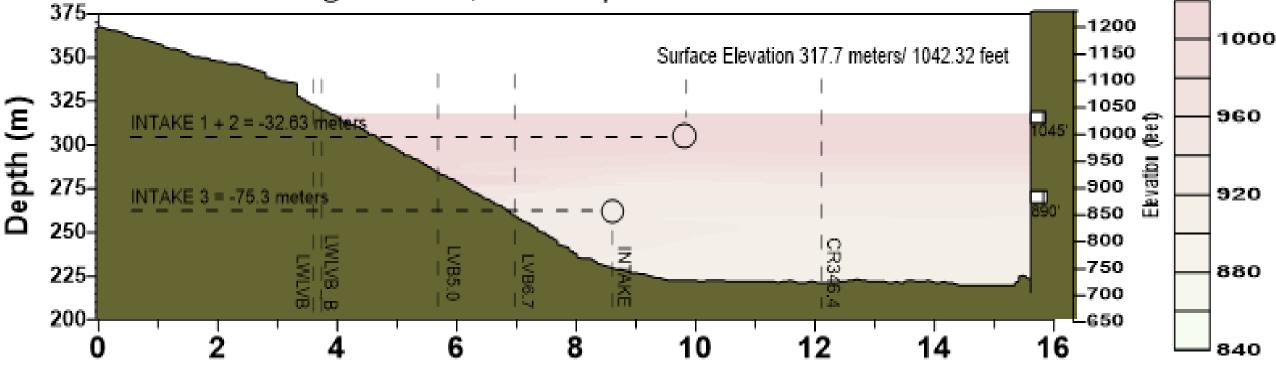
Lake Mead Temperature





Lake Mead Conductance

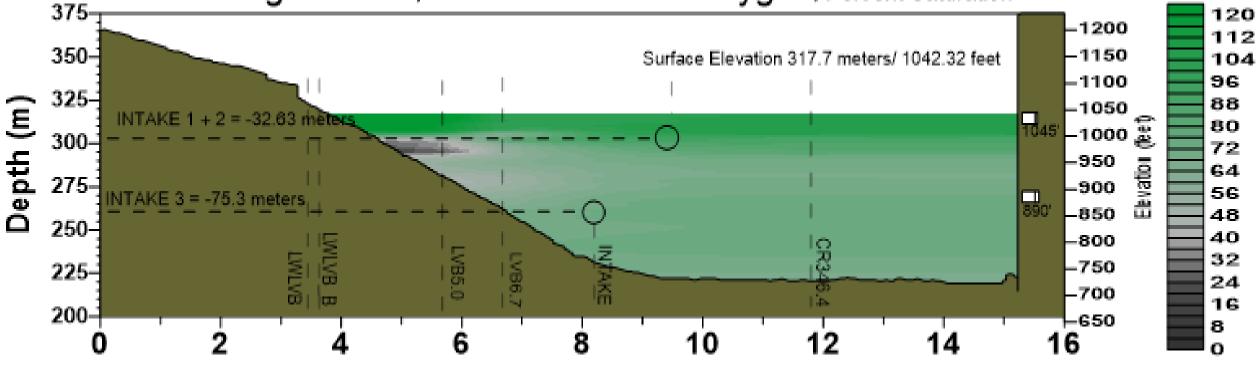
August 15th, 2022 Specific Conductance





Lake Mead Dissolved Oxygen

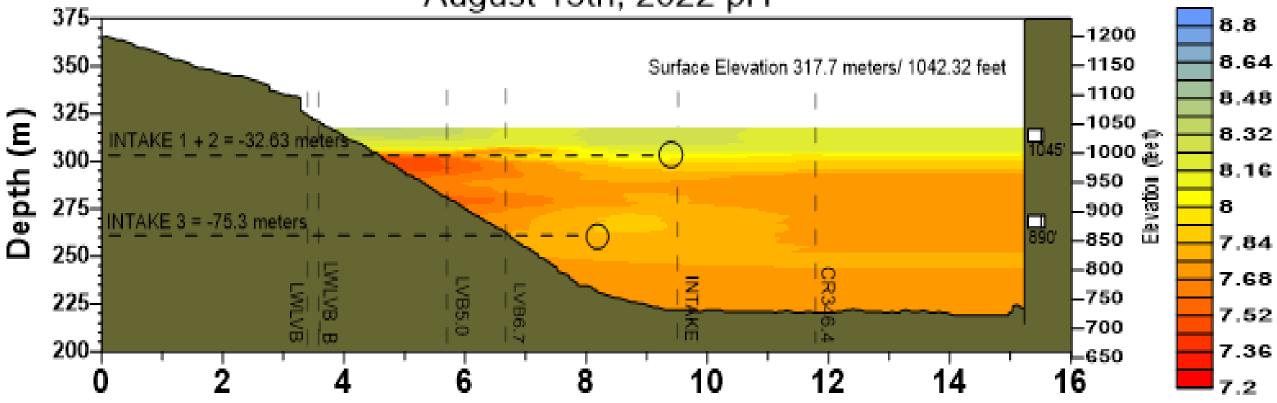
August 15th, 2022 Dissolved Oxygen, Percent Saturation





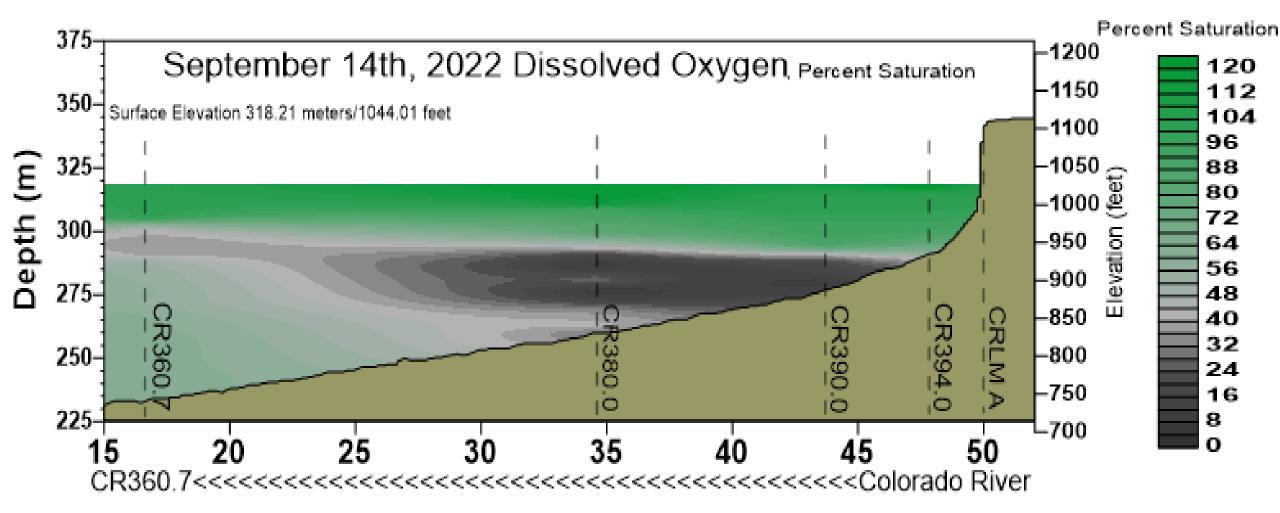
Lake Mead pH

August 15th, 2022 pH



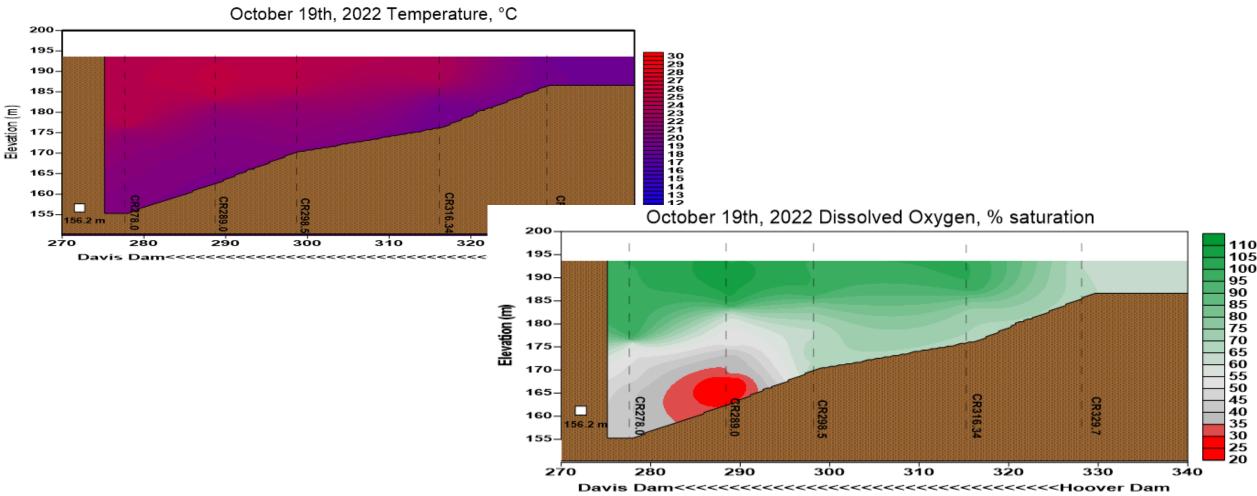


Lake Mead: Colorado Inflow



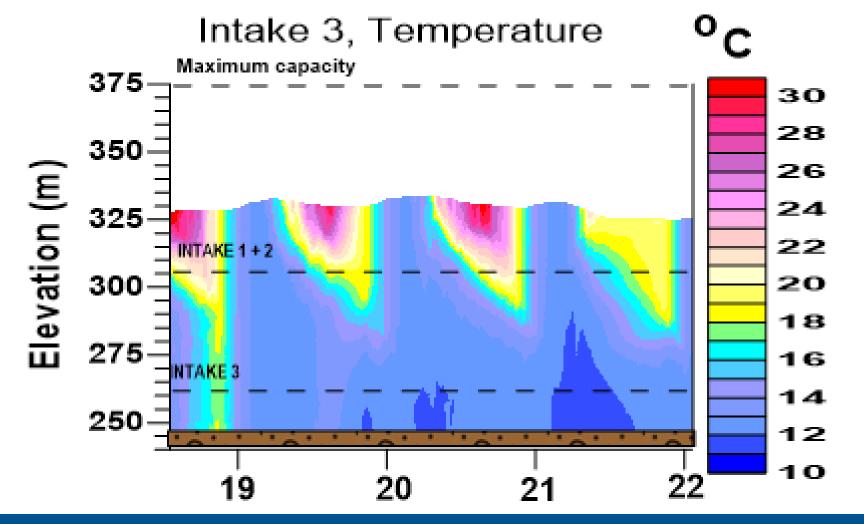


Lake Mohave Temperature





Intake Sampling Platform data





Algal Toxins

- Frequent detections, low concentration in Lake Mead
 - Mostly late summer months
- Fairly "consistent" detections in Lake Mohave
 - Most low concentrations
 - Most likely the product of aggregation by wind
 - Most in mid lake locations
 - Most recent detection was high
- This is an emerging problem that will need to be monitored
 - Anecdotally it is becoming more of an "issue"



Questions?

Todd.Tietjen@snwa.com



LOWER LAS VEGAS WASH STABILIZATION

SOUTHERN NEVADA WATER AUTHORITY

LAS VEGAS WASH

North Las Vegas

Henderson

Las Vegas

Upper Wash /

Lower Wash

Lake Mead

HISTORY Refresher

Las Vegas Wash streambed stabilization is imperative to protecting the existing infrastructure and maintain water quality.

- Construct additional up to 6 erosion control structures
- Realign/reconstruct Drop 2 structure
- Reconstruct Drop 3 structure



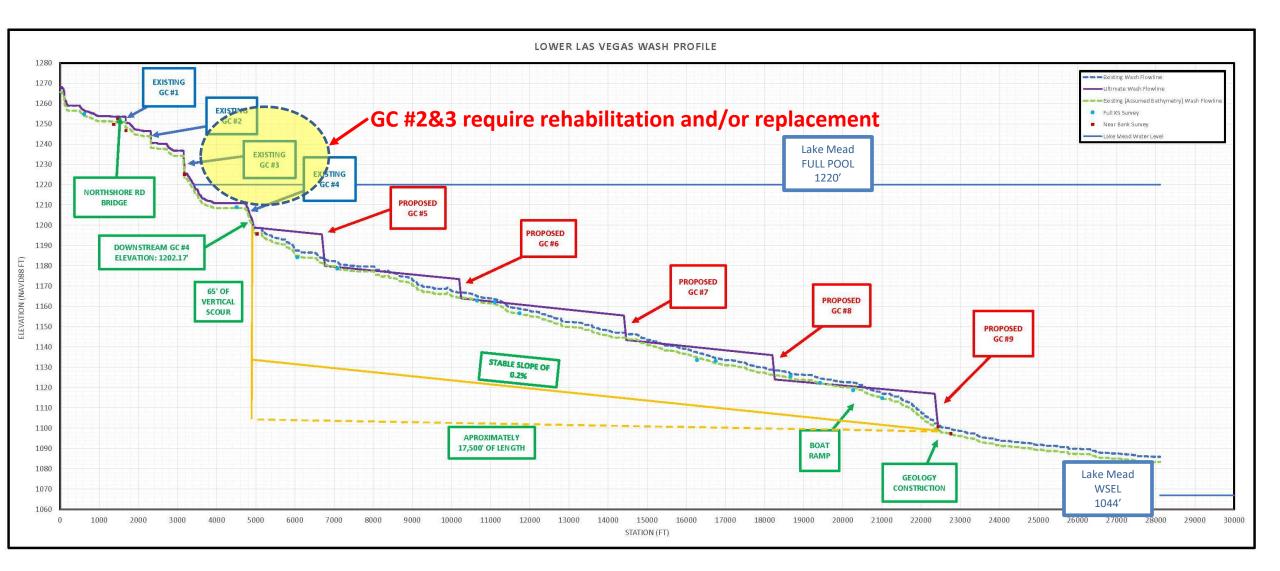
LOWER LAS VEGAS WASH Current Focus

- **Current Stage:**
 - Weir 5 Final Design- CMAR GMP Development
 Weirs 6/8 Access and Weir 30% Designs
- Upcoming Milestones:
 - Construction of Weir 5
 - **Construction of Geo Access Rd to Weirs 6-8**
 - Environmental Compliance
 - **♦** Permitting



LOWER WASH STRUCTURES

All proposed weirs are below the full pool elevation of Lake Mead of 1220'



LOWER WASH Geotech Access Roads

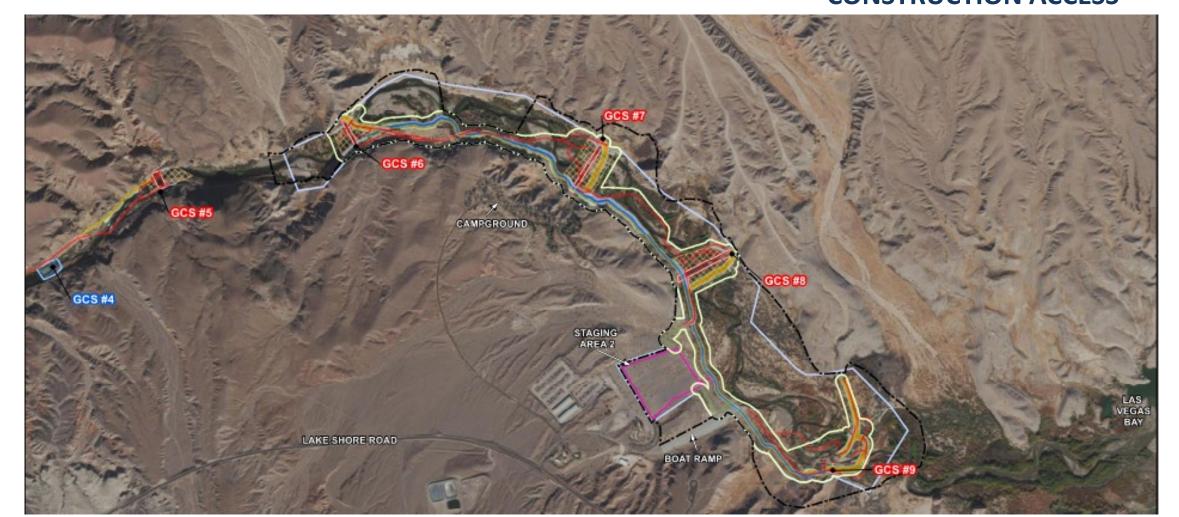


LOWER WASH Compliance Complexity

GRADING IMPACTS

vs ENVIRONMENTAL SURVEYS

GEOTECH vs CONSTRUCTION ACCESS



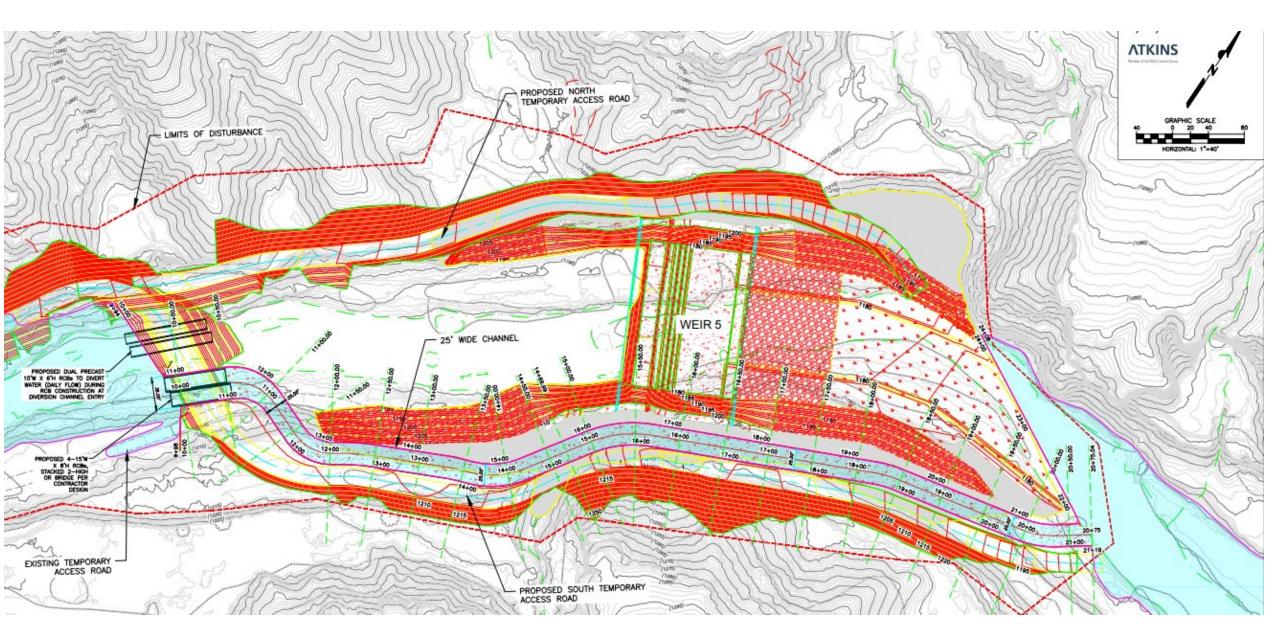
LOWER LAS VEGAS WASH PROGRAM HISTORY



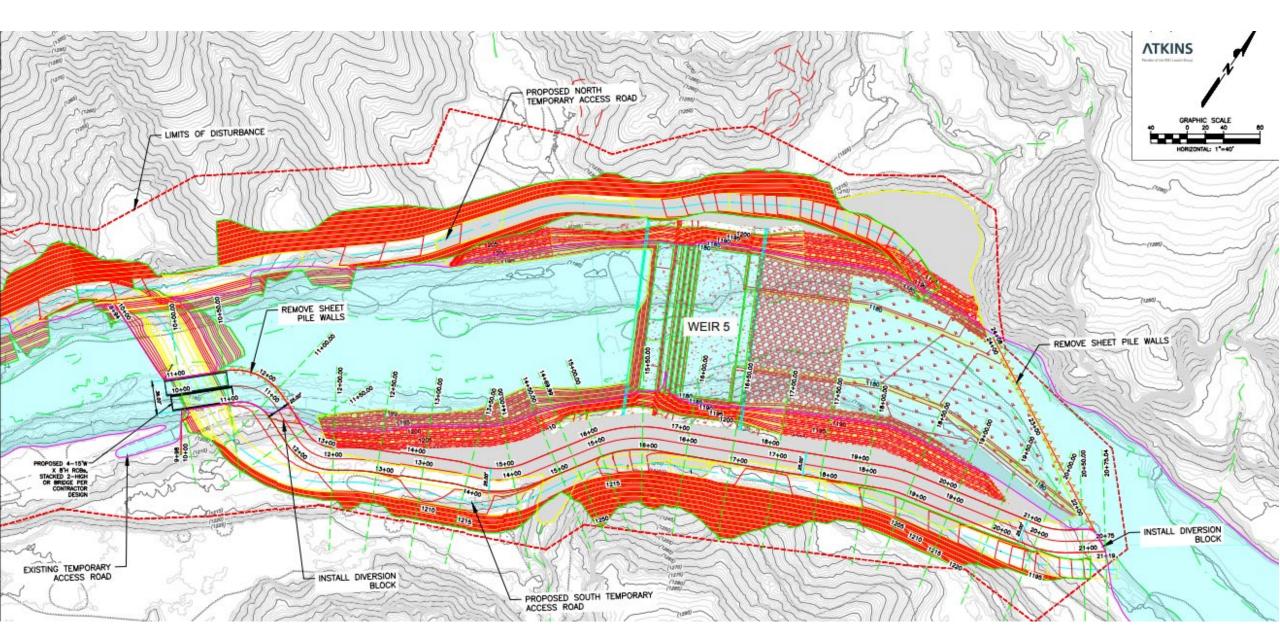
FHWA Provided Pictures- Structures 1-4



LOWER WASH Moving Big Water- Phase 1

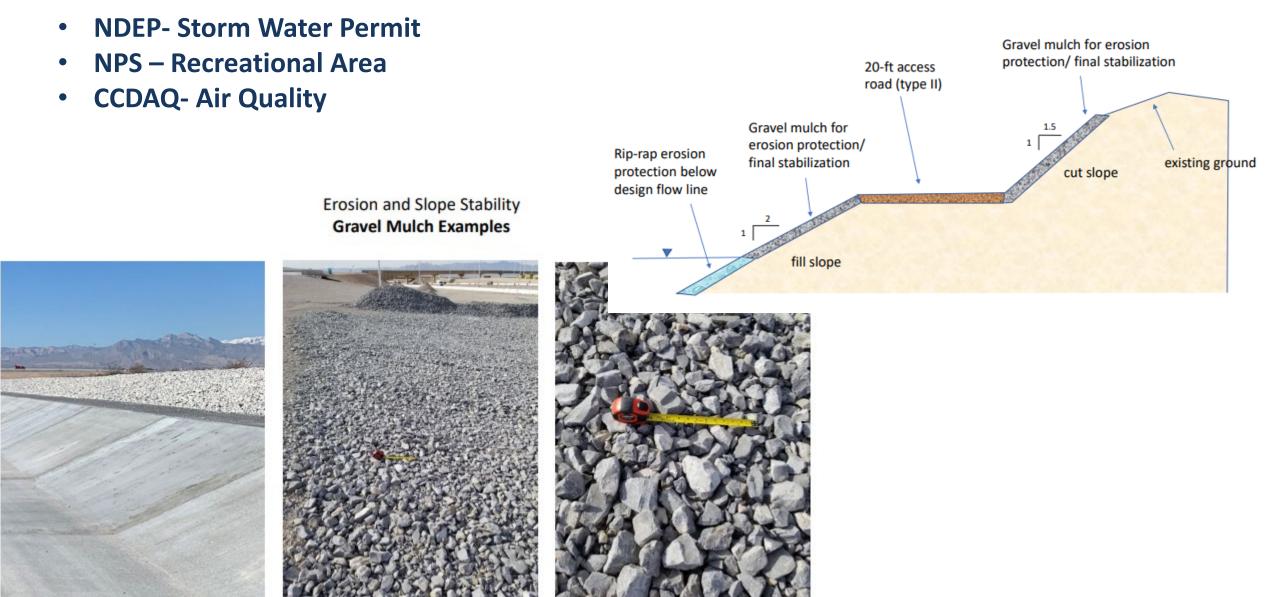


LOWER WASH Moving Big Water- Phase 2

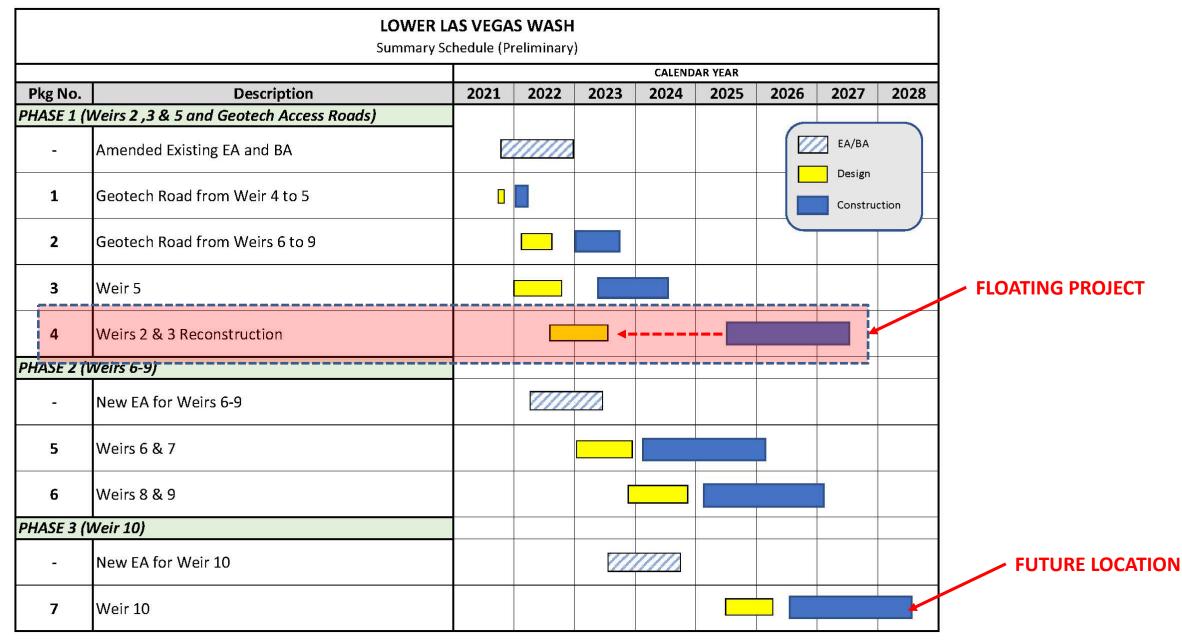


LOWER WASH Final Stabilization

Erosion and Slope Stability Option 1: Gravel Mulch for Erosion Protection



Preliminary Schedule (simplified)



LOWER WASH PROGRAM COSTS- Updates

Table 1: Original Estimates

	Estimated Costs
ENGINEERING DESIGN & ENVIRONMENTAL	\$14,000,000
CONSTRUCTION (including CM)	\$108,511,000
TOTAL	\$122,511,000

Table 2: Current Estimates

	Estimated Costs
ENGINEERING DESIGN & ENVIRONMENTAL	\$28,600,000
CONSTRUCTION (Including CM)	\$188,000,000
TOTAL	\$216,600,000

SOUTHERN NEVADA WATER AUTHORITY

LAS VEGAS WASH COORDINATION COMMITTEE ENVIRONMENTAL RESOURCES AND OUTREACH UPDATE

OCTOBER 25, 2022







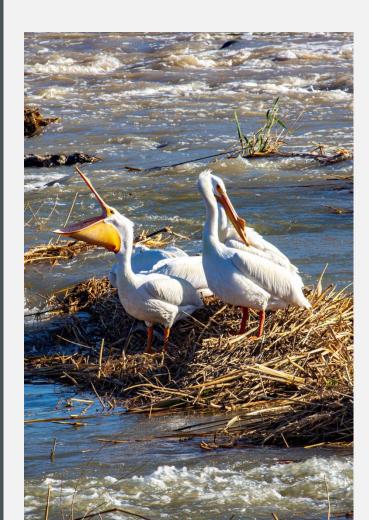






WILDLIFE MANAGEMENT PLAN (WMP): BIRD SURVEYS

- Annual T&E surveys
 - Yuma Ridgway's rail (E) Since 2000
 - Southwestern willow flycatcher (E) Since 1998
 - Yellow-billed cuckoo (T) 2002-2004; 2013-
- Biweekly point counts year-round at >30 points
 - 2005-09 SBCM



American white pelicans

• 2009-11; 2014-present – GBBO





www.lvwash.org





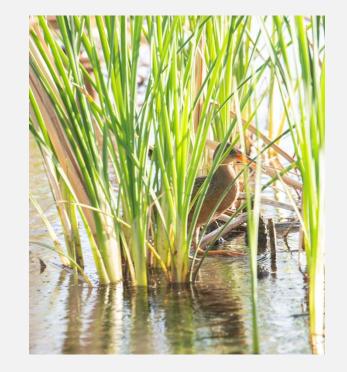
THREATENED AND ENDANGERED BIRD SURVEYS

- Marsh birds/Yuma Ridgway's rail
 - Surveys took place in April and May
 - Record 5 detections in 2021
 - 7 detections in 2022

October 2022

www.lvwash.org

- Including a probable pair and two territories occupied into July
- Evenly dispersed between Wash and Mitigation Wetlands indicating improving habitat areas along Wash



2022 Yuma Rigdway's rail at Wash



THREATENED AND ENDANGERED BIRD SURVEYS

- Southwestern willow flycatcher
 - Surveys conducted July-August
 - 2 detections in 2022
 - Up from I in 2021
 - Breeding pair
 - Nest with egg

October 2022

www.lvwash.org

 Fewer detections of WIFL than previous years but more significant SWFL contacts indicating suitable habitat for breeding



2022 SWFL nest and egg at Wash



THREATENED AND ENDANGERED BIRD SURVEYS

- Yellow-billed cuckoo
 - Surveys conducted June-August
 - 2 detections in 2022
 - I on Wash, I at Nature Preserve
 - Each contacted only once
 - No potential or probable territories



Yellow-billed cuckoo





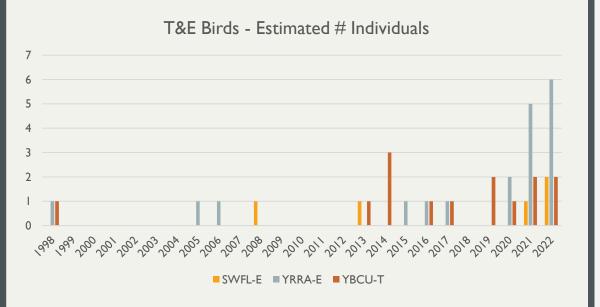
October 2022





THREATENED AND ENDANGERED BIRD SURVEYS

• 25 years of surveys



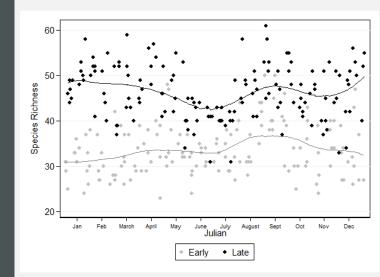


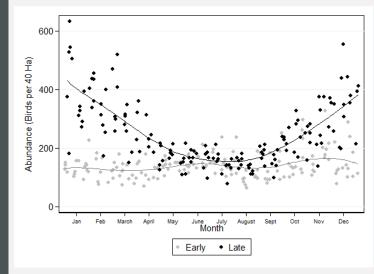
Southwestern willow flycatcher on nest



AVIAN POINT COUNT STUDY

- Biweekly counts by GBBO
- >146 species detected in 2021/2022 study year (Sep-Aug) (-24)
- 2005-2022
 - ~247 species (+2)
- 2005-2020 GBBO report posted to lvwash.org
- Report documents significant increases in richness and abundance
 - Show seasonal changes in number of species and individuals detected in the early (2005-2011) versus late (2014-2020) period









www.lvwash.org





WMP: OTHER SURVEYS

- No additional surveys in 2022
- 2023 Surveys
 - Rodent and shrew survey
 - Quarterly surveys begin in Jan
 - Sherman trap and pitfall trap
 - Bat Surveys
 - Acoustic survey
 - Jan-Dec
 - White-nose syndrome sampling
 - Mar-Apr
 - Netting surveys
 - May-Sept



Pocket mouse



Townsend's big-eared bat





REVEGETATION

- Nearly 600 acres have been • revegetated
- 2022 vegetation monitoring has been completed
- 2021 vegetation monitoring report being drafted
- Long-term revegetation • management plan began implementation in July
 - Additional plantings
 - Enhancements for wildlife



Las Vegas Wash Long-Term **Revegetation Management Plan**

November 2019









www.lvwash.org







WASH GREEN-UPS

- Spring 2023
 - Powerline Crossing North and South
 - Previously vegetated in 2014
 - 7.6 acres

- No more fall event
- Future events will revisit previous sites to revitalize and fill in with new plants

REVEGETATION

Staff is working with
 Wetlands Park on details at two Pabco Weir revegetation sites to remove gravel, reengineer elevations and
 hyrology and restore riparian trees using \$900k grant from Reclamation in 2023



Fremont cottonwood tree resprouts at Pabco Weir







COMMITTEE AND STUDY TEAM COORDINATION

LTOP Adjustments

- Wash Green-ups reduced to spring
- Annual report now published biennially
 - Next report in 2024

October 2022

www.lvwash.org

- Brief highlights pamphlet will be developed and printed every off year
- LTOP finances are being tracked and reviewed monthly

LTOP Budget Tracking

Category	Budget	YTD Costs	Percent (%) Spent	Percent (%) FY
Erosion & Stormwater	\$1,190,043	\$ -	0%	25%
Stakeholder Process	\$ 87,619	\$ 17,487	20%	25%
Public Outreach	\$ 367,333	\$ 2,324	1%	25%
Funding	\$ 78,377	\$ 7,040	9%	25%
Water Quality	\$ 267,344	\$ 26,819	10%	25%
Environmental Resources	\$ 585,410	\$159,953	27%	25%
	\$2,576,126	\$213,622		



UPCOMING OUTREACH

Mabel Hoggard 5th Graders

- Program includes in-person classroom presentations and field trips to Lake Mead and the CCWP
- Field trip dates
 - Feb. 2, Feb. 9, and Feb. 16

Wash Green-Up

- Saturday, April I
- 7.6 acres
- Powerline Crossing Weir

World Wetlands Day

- January 26, 2023
- Return to single day event

Intro and Birding Series

- Collaborated with City of Las Vegas and Ward 5
- Series included three classroom visits and two field trips
- 18 seniors and 15 high school students
- 2023 series to take place in spring to follow up on 2022 success









GRANT FUNDING

Bureau of Reclamation

- \$350k in obligated funding for FY22
 - Revegetation, water quality monitoring, WMP implementation and LVWCC program management
- \$900,500 habitat restoration grant

Nevada Division of Environmental Protection

- \$67.5k for FY 21-22
 - Mabel Hoggard
 - Wash Green-Up
- \$42.5k for FY 22-23
 - Mabel Hoggard
 - Wash Green-Ups



QUESTIONS?





www.lvwash.org









- mail-man



Water Quality Monitoring Update

October 25, 2022

2022 Water Quality Sampling & Monitoring Schedule

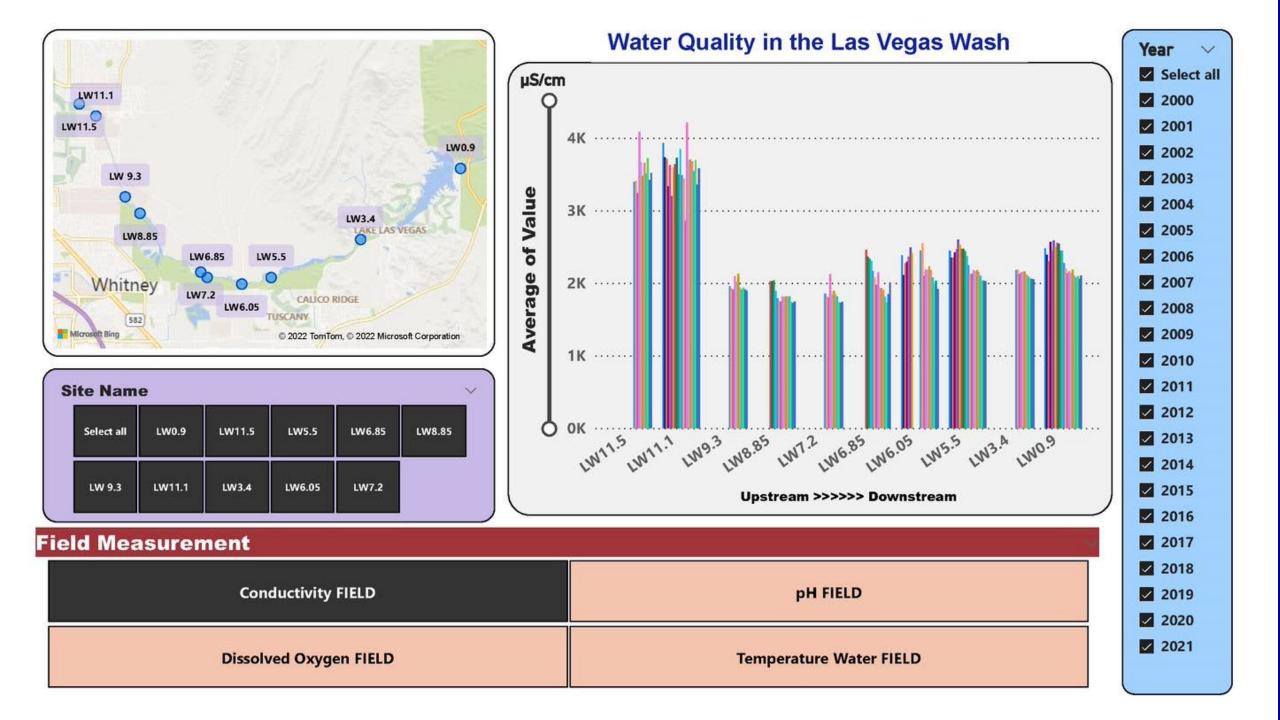
Project	Sample Frequency	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22
Mainstream Wash Water Quality Sampling	quarterly		x			x			x			x	
Tributary Water Quality Sampling	quarterly	x			x			x			x		
Tributary Flow Measurements and Se sampling	monthly	x	x	x	x	x	x	x	x	x	x	x	x
Real Time Water Quality Monitoring (4 stations)	bi-weekly	2 x	2x	2 x	2x	2 x	2x	2 x	2 x	2 x	2x	2x	2x
TSS and Perchlorate Study in the Wash	monthly	x		x	x		x	x		x	x		х
Shallow Groundwater Quality Sampling along the Wash	quarterly		x			x			x			x	
Water Quality from Muddy River (4 sites)	quarterly			x			x			x			х
Lake Mead and Lake Mohave WQ Monitoring	bi-weekly	2 x	2 x	2 x	2x	2 x	2x	2x	2x				
Lake Mead Water Quality Platform	bi-weekly	2 x	2 x	2 x	2x	2 x	2x	2 x	2 x	2 x	2x	2x	2x
Water Quality Sampling at Nature Preserve	monthly	x	x	x	x	x	x	x	x	x	x	x	х
WSNA Temperature Probes (9 sites)	monthly	x	x	х	x	х	x	x	x	x	x	x	х

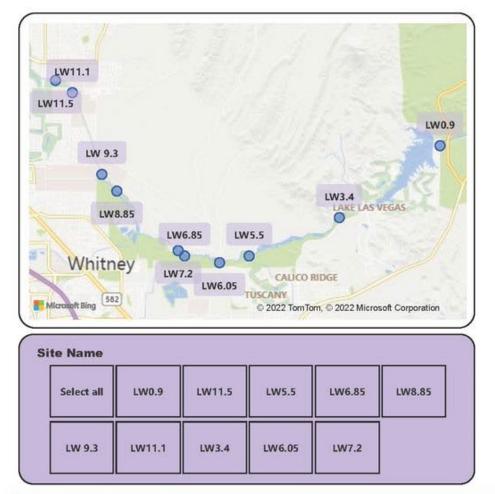
Updates on the Las Vegas Wash Surface Water Quality Monitoring and Assessment Plan (Plan)

- Emailed to relevant agencies asking for feedback and updates
- Received feedback from COH, CLV, CCWP, BOR, USGS, CCRFCD, and SNWA.
- Most programs in the Wash will be the same, with minor changes
- Updates and support documents will be incorporated into the current Plan
- A revised (2022) Plan will be posted into the Wash website.

Power BI Reports on Water Quality Data in the Las Vegas Wash

(2000-2021 Data)







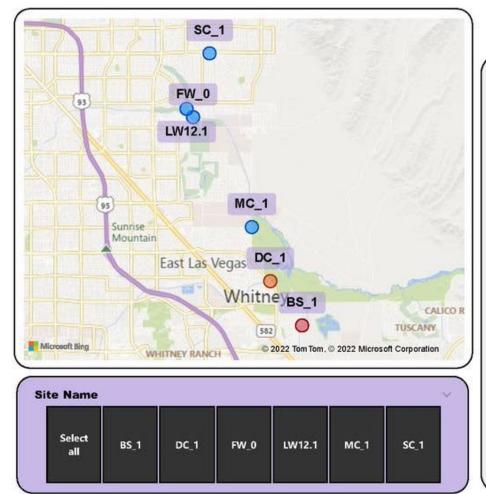
2019
2020
2021

General Chemistry

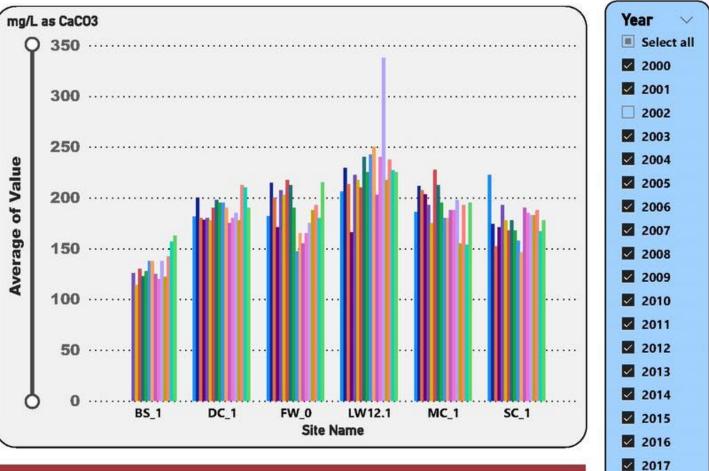
Alkalinity Bicarbonate LAB	Calcium Total	Hardness, Total	Silica Total	Total Dissolved Solids LAB
Alkalinity Total	Chloride	Magnesium Total	Sodium Total	Total Suspended Solids
Bromide	Fluoride	Potassium Total	Sulfate	Turbidity LAB

Power BI Reports on Water Quality Data from Major Tributaries

(2000-2021 Data)

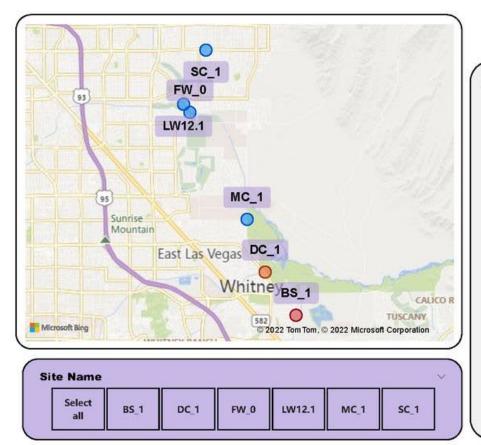


Water Quality of Urban Runoff Tributaries in the Las Vegas Valley

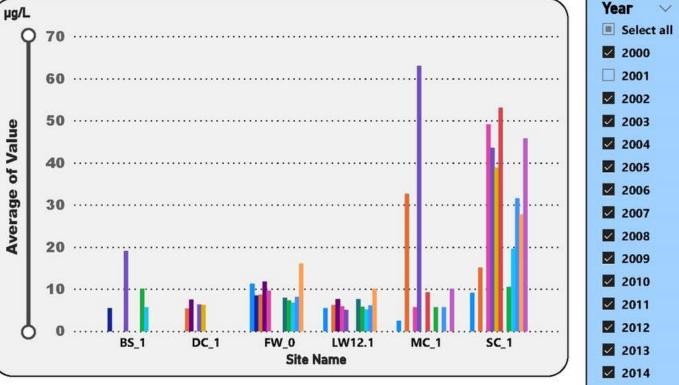


see

G	eneral Che	emistry								
	Alkalinity Bicarbonate LAB	Boron Total	Calcium Total	Chlorate	Chlorine, Free	Hardness, Total	Magnesium Total	Silica Total	Sulfate	Total Suspended Solids
5	Alkalinity Total	Bromide	Carbon Dioxide, Free (25C) Calc.	Chloride	Fluoride	Langelier Index	Potassium Total	Sodium Total	Total Dissolved Solids LAB	Turbidity (se remarks)



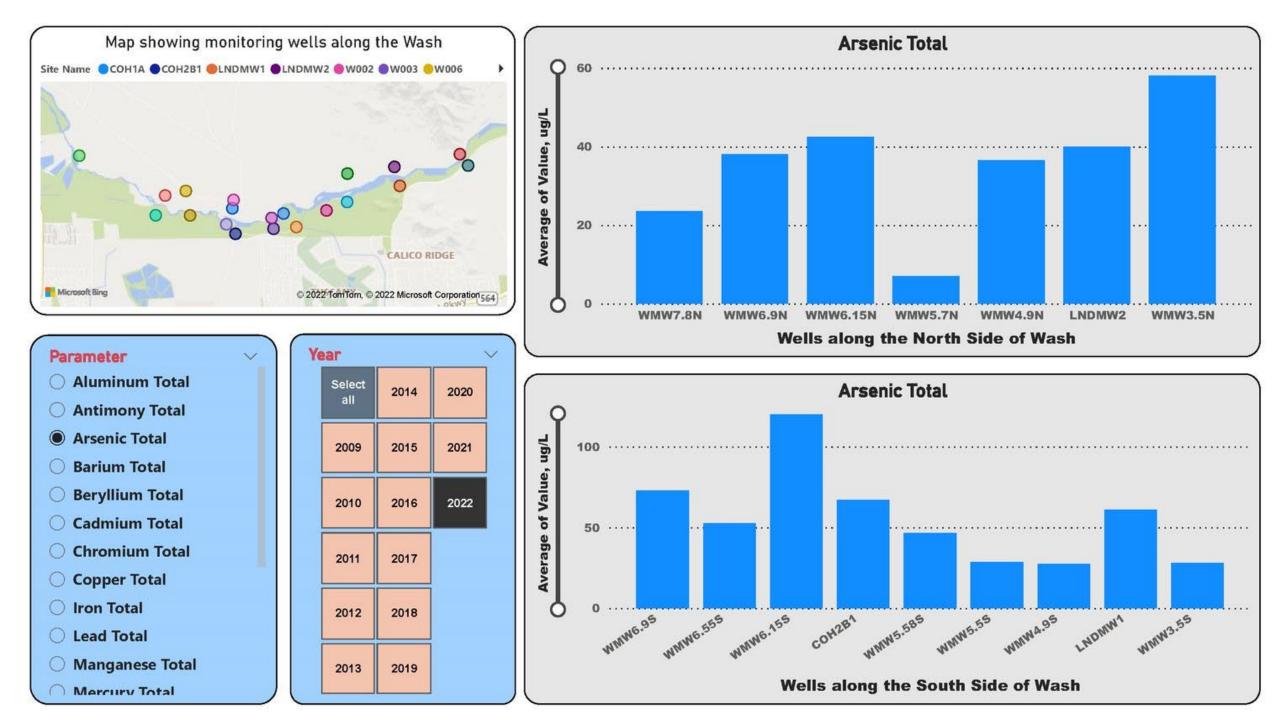




letals											
Aluminum Dissolved	Antimony Total	Barium Dissolved	Cadmium Total	Chromium Total	Copper Total	Lead Dissolved	Manganese Total	Molybdenum Total	Selenium Dissolved	Thallium Total	Zinc Dissolved
Aluminum Total	Arsenic Dissolved	Barium Total	Chromium Dissolved	Chromium VI Total	Iron Dissolved	Lead Total	Mercury Total	Nickel Dissolved	Selenium Total	Vanadium Dissolved	Zinc Total
Antimony Dissolved	Arsenic Total	Cadmium Dissolved	Chromium III Total	Copper Dissolved	iron Total	Manganese Dissolved	Molybdenum Dissolved	Nickel Total	Silver Total	Vanadium Total	

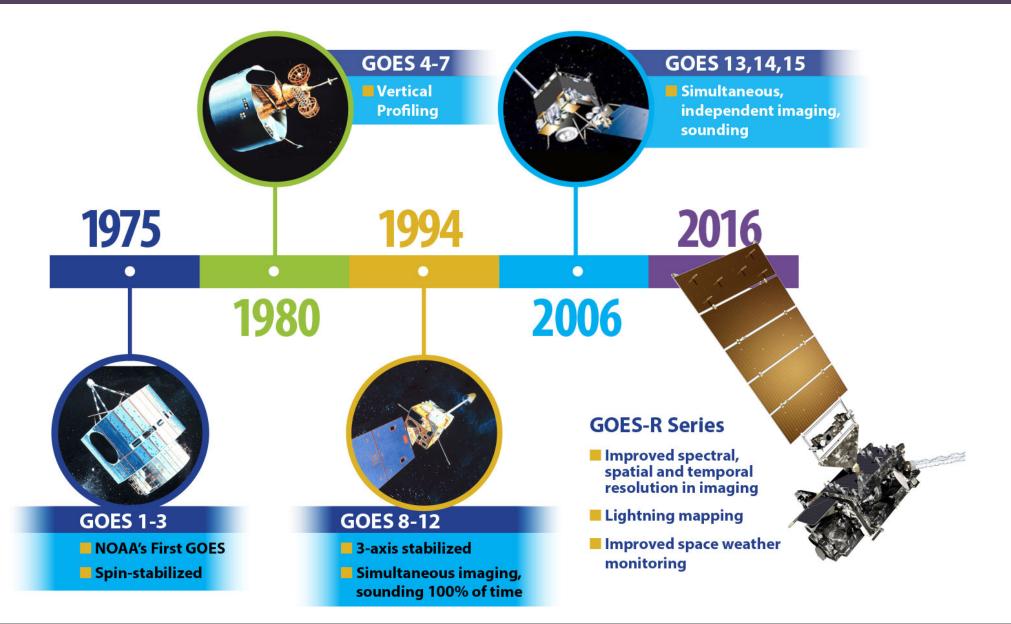
Power BI Reports on Groundwater Quality Data from the Shallow Wells along the Wash

(2009-2022 Data)

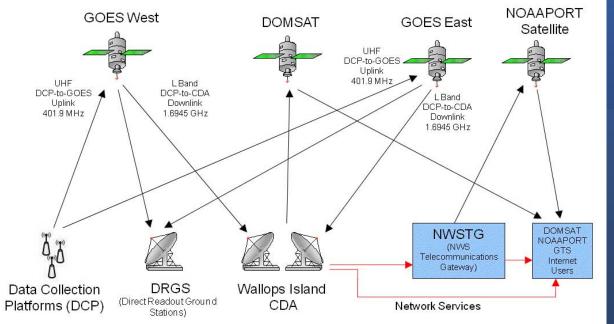


Real-time Water Quality Station (LW0.9) Upgrade With the Geostationary Operational Environmental Satellites (GOES)

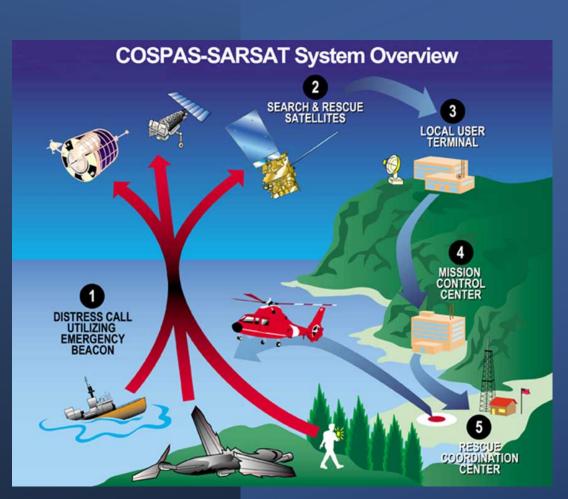
GOES Timeline



Unique Payload Services



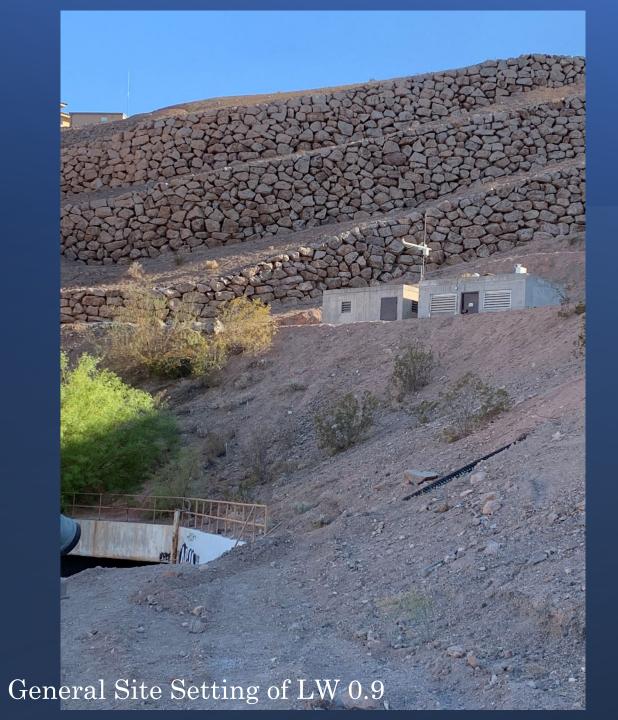
Data Collection System (DCS) Data Flows

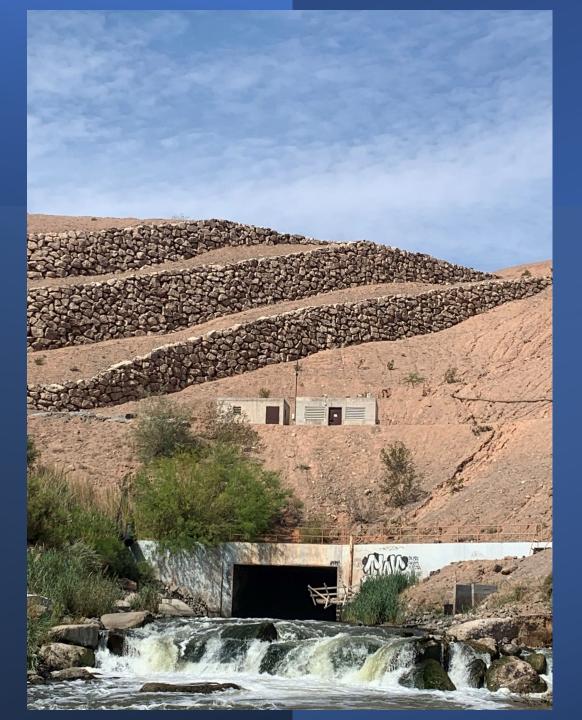


Monitoring Locations below Lake Las Vegas, NV

WO

USGS Gage - LV Wash below Lake Las Vegas

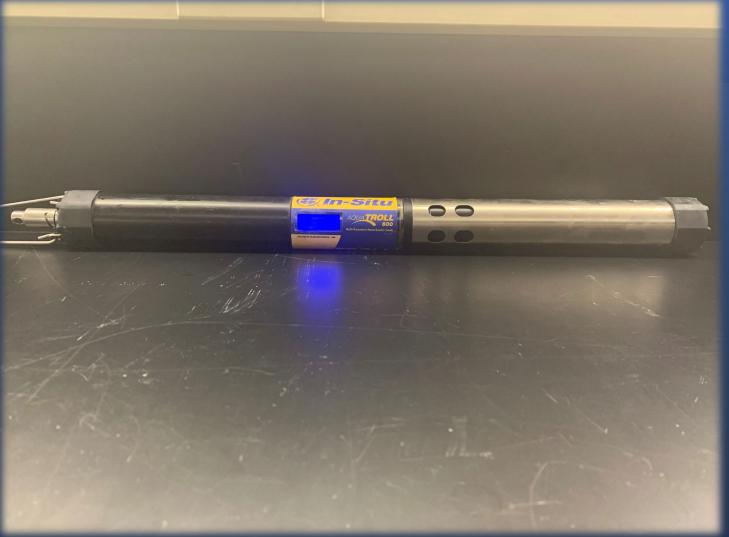






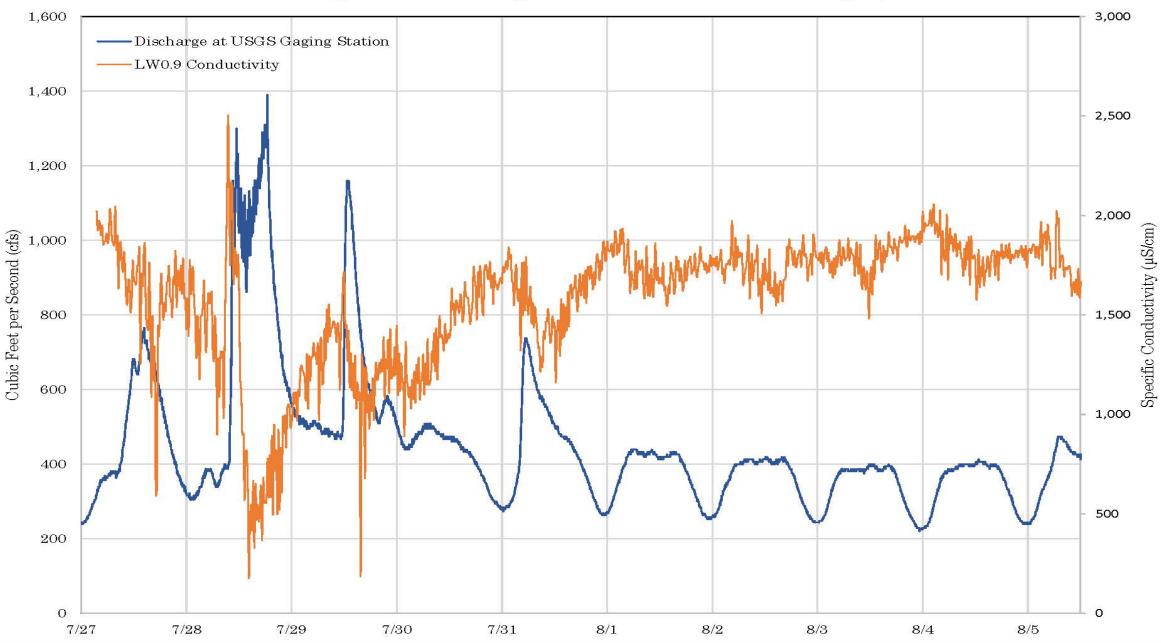


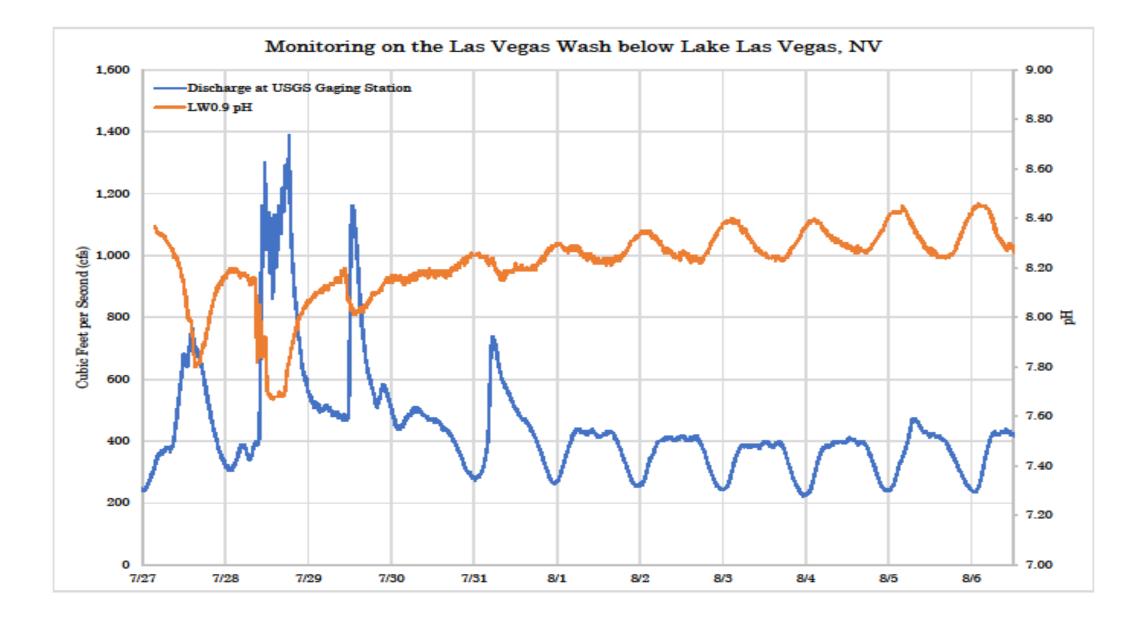
In-Situ AquaTroll 600

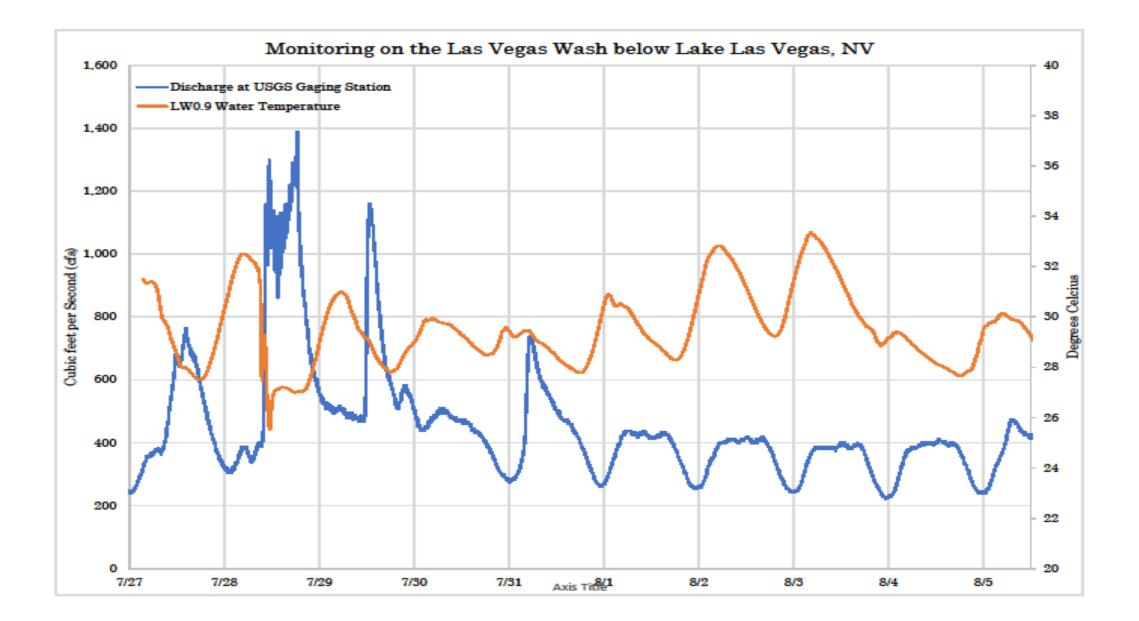


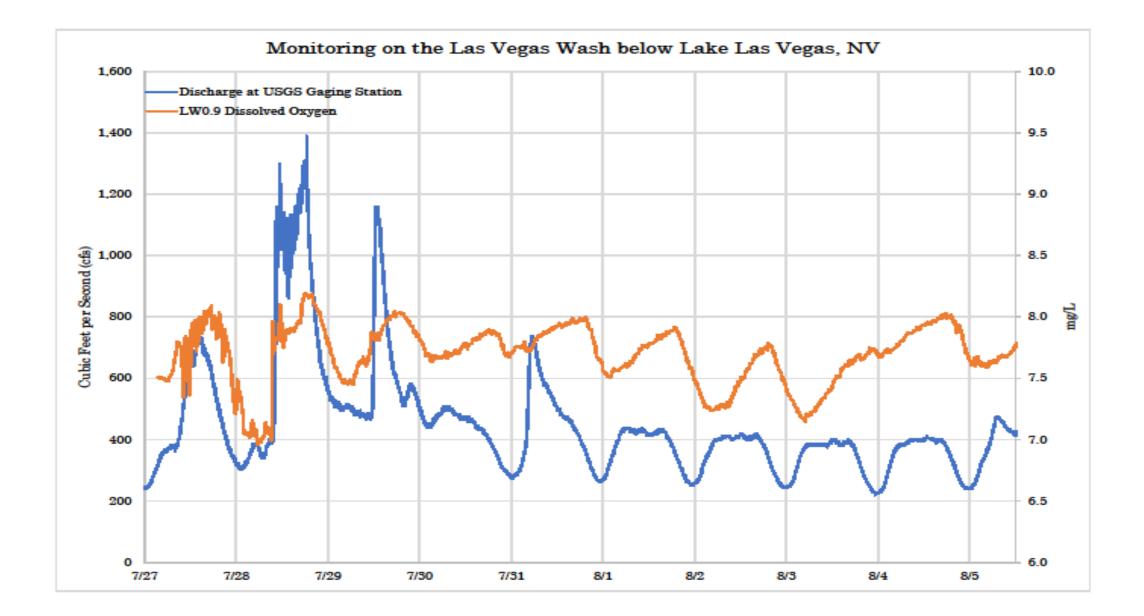


Monitoring On the Las Vegas Wash below Lake Las Vegas, NV













Status Updates

SOUTHERN NEVADA WATER AUTHORITY®

Las Vegas Wash Coordination Committee

October 25, 2022

January – June 2023

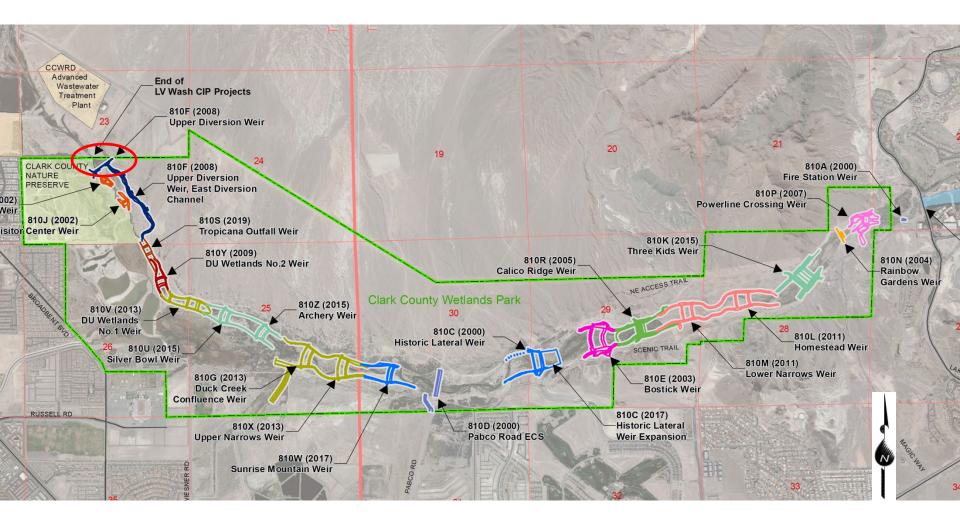


Wash Activities

- Trash Removal
 - Upper Diversion
 - Las Vegas Paving: TBD
- Place Facilities Back to Originally Constructed Lines and Grades
 - Mainstem north bank line between Visitor Center and Monson
- SWPP Upgrades at Stockpile Sites



Locations



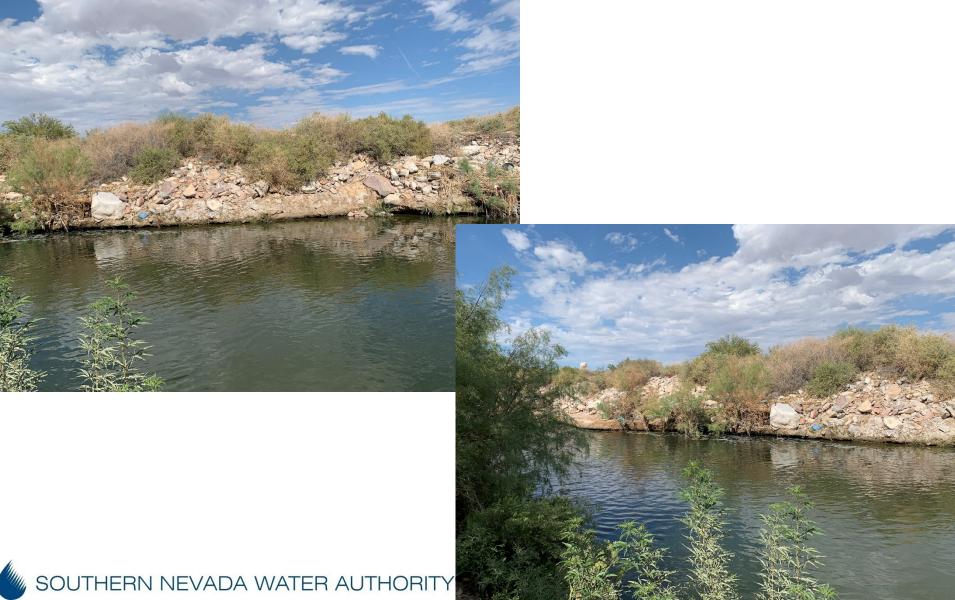


Visitor Center/Monson

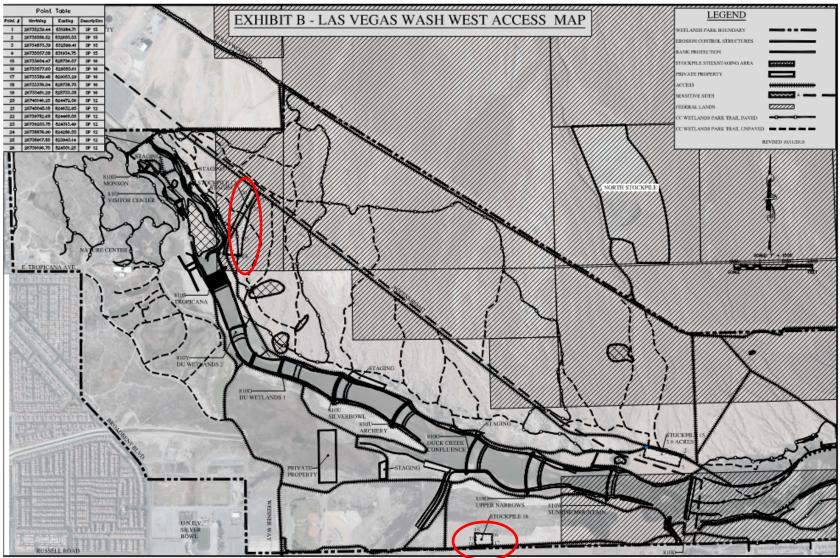


SOUTHERN NEVADA WATER AUTHORITY®

Visitor Center/Monson

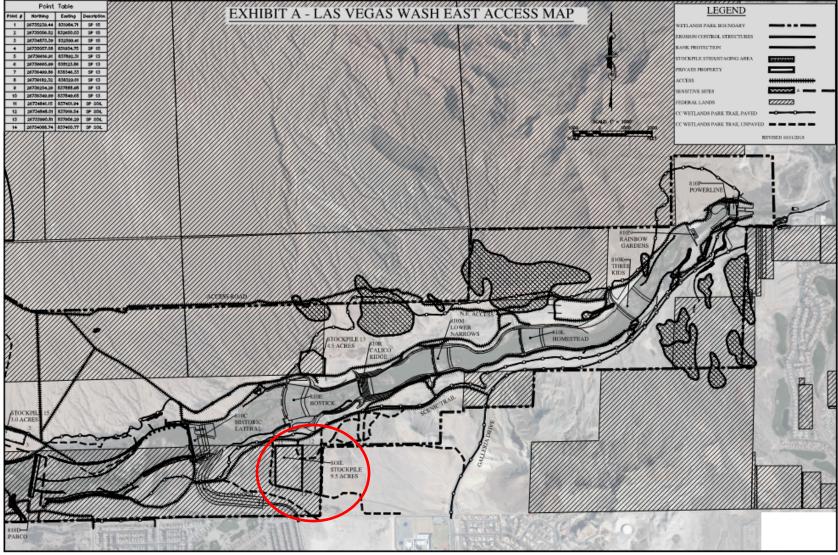


Soil Stockpile SWPP Updates



SOUTHERN NEVADA WATER AUTHORITY®

Soil Stockpile SWPP Updates



SOUTHERN NEVADA WATER AUTHORITY®

Consultant Engineering Services

• Objective:

 professional services for the review of existing Las Vegas Wash stabilization facilities and stream sections for compliance with all local, regional, state and federal regulations and recommendations for remediation of any areas not in compliance

- FEMA Compliance ongoing
 - LOMR application officially received by FEMA

Consultant Engineering Services



Federal Emergency Management Agency Washington, D.C. 20472

October 4, 2022

CERTIFIED MAIL RETURN RECEIPT REQUESTED

The Honorable James B. Gibson Chair, Board of Commissioners Clark County 500 South Grand Central Parkway Las Vegas, NV 89155 IN REPLY REFER TO: Case No.: 22-09-0282P Community Name: Clark County, NV Community No.: 320003 Effective Date of This Revision: February 15. 2023

Dear Chair Gibson

The Flood Insurance Study Report and Flood Insurance Rate Map for your community have been revised by this Letter of Map Revision (LOMR). Please use the enclosed annotated map panel(s) revised by this LOMR for floodplain management purposes and for all flood insurance policies and renewals issued in your community.

Additional documents are enclosed which provide information regarding this LOMR. Please see the List of Enclosures below to determine which documents are included. Other attachments specific to this request may be included as referenced in the Determination Document. If you have any questions regarding floodplain management regulations for your community or the National Flood Insurance Program (NFIP) in general, please contact the Consultation Coordination Officer for your community. If you have any technical questions regarding this LOMR, please contact the Director, Mitigation Division of the Department of Homeland Security's Federal Emergency Management Agency (FEMA) in Oakland, California, at (510) 627-7211, or the FEMA Mapping and Insurance eXchange (FMDX) to I free at 1-877-386-2627 (1-877-FEMA MAP). Additional information about the NFIP is available on unvebsite at <u>https://www.fema.gov/flood-insurance</u>.

Sincerely,

All

Patrick "Rick" F. Sacbibit, P.E., Branch Chief Engineering Services Branch Federal Insurance and Mitigation Administration

List of Enclosures:

Letter of Map Revision Determination Document Annotated Flood Insurance Rate Map Annotated Flood Insurance Study Report

cc: The Honorable Debra March Mayor, City of Henderson

> W. Layne Weber, P.E., CFM Clark County Principal Engineer

Syndi Jaye Flippen-Dudley, P.E. Vice President, Louis Berger/A WSP Company

Ryan Pearson, P.E. Engineering Design Manager Southern Nevada Water Authority Albert Jankowlak, P.E., CFM Project Engineer III City of Henderson

Abigail Mayrena, P.E., CFM Principal Civil Engineer Clark County Regional Flood Control District

Andrew Trelease, P.E., CFM Assistant General Manager Clark County Regional Flood Control District



Consultant Engineering Services

Task Name	Finish Date
DRAFT Facilities Assessment Report	complete
FINAL Facilities Assessment Report	complete
FINAL Long Term Operating Plan (LTOP)	complete
Letter of Map Revision (LOMR)	COMPLETE - 10/4/2022



Questions









LVWCC Update October 25, 2022

Clark County Parks & Recreation

Ben Jurand Environmental Specialist



BEST OF LAS VEGAS 2022

Wetlands Park Nominated
Best Place to Volunteer

Best Place to Take Visitors





NATURE PLAY CORNER & NATURE PRESERVE SIGNAGE

Nature Play Corner
Grand Opening



NATURE PLAY CORNER & NATURE PRESERVE SIGNAGE

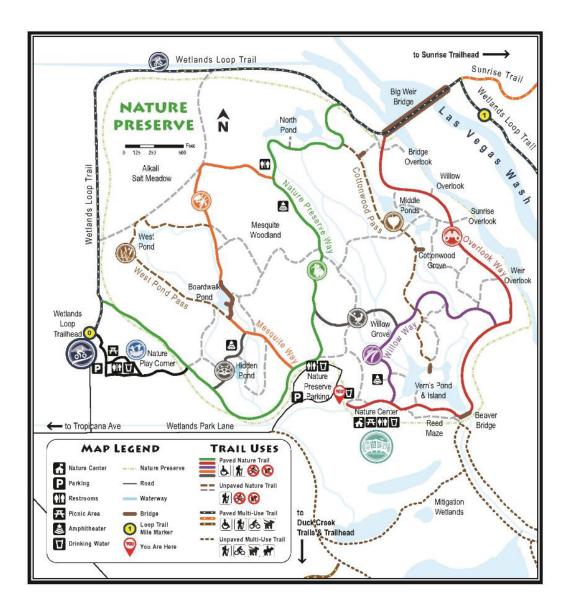




NATURE PLAY CORNER & NATURE PRESERVE SIGNAGE

- New Signage
 - Wayfinding
 - Interpretive Waysides
 - Orientation Kiosks





NATURE TRAILS

- Paved Nature Preserve Trails
 - Named
 - Icon/color coded







Welcome to Clark County Wetlands Park

Clark County Wetlands Park is one of the largest urban wetlands in the desert Southwest. With more than 300 species of birds and 70 species of mammals and reptiles spotted in the park, this surprising watery oasis features diverse habitat not often found in the Mojave Desert, the driest desert in the nation.

At 2,900 acres, Wetlands Park has a lot to explore. The Nature Center and Nature Preserve are the heart of the park. Learn about the habitats, history, water, and wildlife in the Park through interactive exhibits at the Nature Center. The Nature Preserve is a special area designated for pedestrians only (no dogs allowed) and features informational waysides along near 6 miles of paved and unpaved trails. Beyond the

		L ^Q I	aŝt	:
Welcome	Tours	Maps	Trails	

WETLANDS PARK NAVIGATOR

New Mobile App

- Tours
 - Exhibit translations in Spanish and Tagolog
 - Audio Tour of Exhibit Gallery
- Maps
- Trails information
- More to come...

Funded by Wetlands Park Friends through a grant from REI



PARK SIGNAGE



- Weir Markers
- Waypoints



PABCO TRAILHEAD REFRESH





- DG Paths
- Rock landscaping
- Irrigation
- Native plants





NATURE CENTER OPEN TUESDAY — SUNDAY 9 AM — 3 PM

- Diana

Nature Store

四周期 1

Mature Store

FIND YOUR

12

VIEND

EXHIBIT GALLERY NATURE STORE INFO KIOSK LIZARD LOUNGE AUDITORIUM

PUBLIC PROGRAMS



- Kids ages 3 8:
 - Wetlands Explorers, Nature Tales & Storytime
- Families & Adults:
 - Discovery Walks, Birding Walks, Art Programs
- Events
 - Astronomy in the Park (September)



ART AT WETLANDS PARK



Art in the Park

Plein Air Painting – October 1, November 5

Art Programs

Nature Art for Kids, Nature Journaling, Charcoal Drawing, Relief Printmaking, Watercolor, Guest Artist Workshops

Gallery Shows

- More than a Place Volunteer/Staff Art Show
- Wetlands Threads Quilted Art

New Gallery Space Approved in Exhibit Gallery



GETTING INVOLVED AT THE PARK

- Stewardship: All ages welcome for monthly stewardship events
- Education Facilitators: School Field Trips
- Volunteering: Ages 16+ volunteer as Information Hosts, Wetlands Watchers, Program & Outreach Aides
- Visitor Services: Exhibit Gallery and Info Kiosk



UPCOMING EVENTS

- Haunt the Wetlands
 - Spooky Maze All October Long!
 - October 28 Creatures of the Night
 - Tickets available now

Wetlands: Hands On! <u>who.ccwetlandspark.com</u>
 <u>November 12</u>: Wells Trailhead Clean-Up







Fuels Management

- Phragmites control
 - Herbicide, mowing, burning
- Three-year study ongoing (UNLV)
- Partnering with
 - BLM Fire
 - NDF
 - Clark County Fire
 - NPS





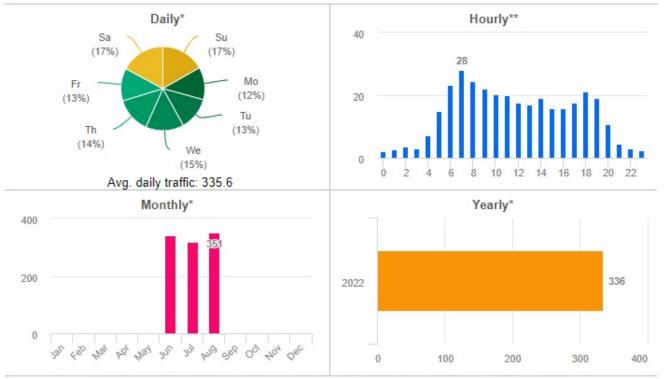


Upper Diversion Weir

- Cleaned in February
- August monsoons
- Fall Clean Up Planned
- Low-water crossing improvements (LV Paving)







Trailhead Counters

- Installed vehicle counters at all trailheads (except Sunrise)
- Will provide a more complete picture of Park visitation

* Weekly and Daily are calculated from Average Daily Traffic (ADT); Monthly and Yearly show ADT values.
** Based on last year of data only.



LOOP TRAIL COMPLETION



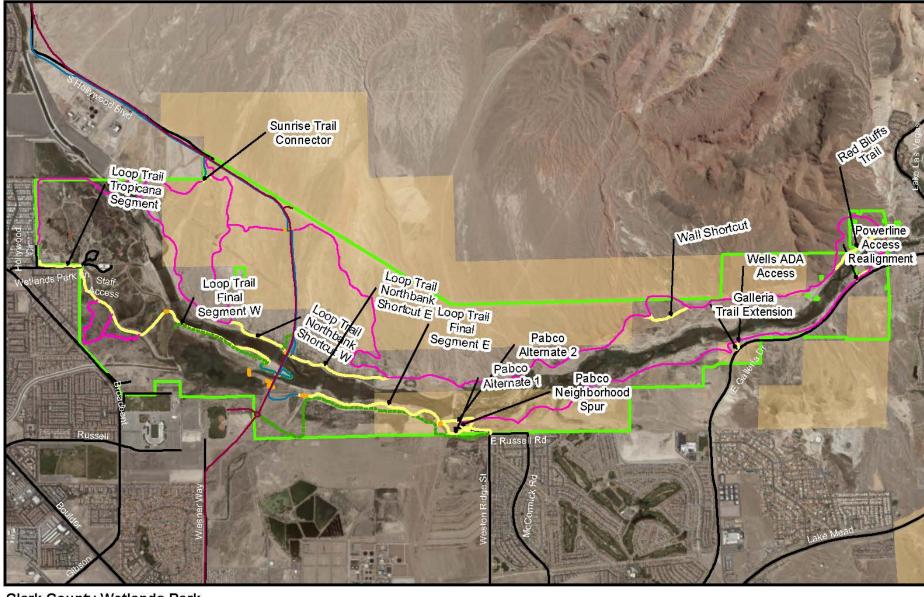
CONSERVE NEVADA

Nevada Conservation & Recreation Fund

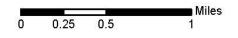
WP Loop Trail Completion Plans

- AB 84 Conserve Nevada
 - \$10M, proceeds from bond sales
- Phase
 - \$2M
 - Design approximately 4.9 miles (paved and service road)
 - Pave initial segment and associated service road
- Future Phases
 - \$6M
 - Pave remaining miles and associated service road











DRAFT. Not for distribution. Date: 8/11/2022



QUESTIONS

Ben Jurand

Ben.Jurand@clarkcountynv.gov



Las Vegas Valley Watershed Advisory Committee (LVVWAC) Update



October 25, 2022

LVVWAC Update: August 23, 2022 Meeting

Discussed and approved process for special meeting to review and finalize funding formula and membership for Las Vegas Wash Long-Term Operating Plan Actions and LVVWAC

- ☑ To be facilitator led by Ron Portaro with TQR Corporation
- Meeting scheduled for November 10, 2022



Special Meeting – November 10, 2022, 1 p.m., SNWA

Regular Meeting – January 10, 2023, 2 p.m., MS Teams