

SOUTHERN NEVADA WATER AUTHORITY
BOARD OF DIRECTORS
REGULAR MEETING
JULY 18, 2013
MINUTES

CALL TO ORDER 9:00 a.m., SNWA Board Chambers, Southern Nevada Water Authority
100 City Parkway, Seventh Floor, Las Vegas, Nevada

BOARD MEMBERS PRESENT Mary Beth Scow, Chair
Sam Bateman, Vice Chair
Susan Brager
Bob Coffin
Duncan McCoy
Steve Sisolak

BOARD MEMBERS ABSENT None

STAFF PRESENT Pat Mulroy, Greg Walch, John Entsminger, Ron Zegers, Phil Speight, Julie
Wilcox

OTHERS PRESENT Linda Faiss, Helen Foley, Melissa Warren, Susie Black; Faiss Foley Warren

Unless otherwise indicated, all members present voted in the affirmative.

COMMENTS BY THE GENERAL PUBLIC

There were no persons wishing to speak.

1. Approval of Agenda & Minutes

FINAL ACTION: A motion was made by Director Bateman to approve the agenda for this meeting and the minutes of the special meeting of June 27, 2013. The motion was approved.

2. *For Possible Action:* Appoint a Chairman and Vice Chairman to preside over the Board of Directors for fiscal year 2013/2014, and appoint three directors to serve as commissioners of the Colorado River Commission of Nevada for one-year terms.

FINAL ACTION: A motion was made by Director Brager to nominate Mary Beth Scow as Chairwoman and Sam Bateman as Vice Chair, and Directors McCoy, Coffin and Sisolak to serve as commissioners of the Colorado River Commission. The motion was approved.

CONSENT AGENDA

3. *For Possible Action:* Approve a resolution authorizing the submission of a grant proposal to the Bureau of Reclamation WaterSMART Program.

4. *For Possible Action:* Accept all construction work required to be performed under Contract No. 810G 01 C1R, Duck Creek Confluence, Upper Narrows, and DU Wetlands No. 1 Weir Structures.

FINAL ACTION: A motion was made by Director Sisolak to follow staff's recommendations. The motion was approved.

BUSINESS AGENDA

5. *For Possible Action:* Award Contract No. 810K 01 C1, Three Kids Weir, to Aggregate Industries-SWR, Inc., for the amount of \$11,617,000, authorize a change order contingency amount not to exceed \$1,100,000, and authorize the execution of the contract or take other action as appropriate.

Director Coffin asked if this was the same weir that was involved with the land dispute. Ron Zegers, Deputy General Manager, reported that the previous dispute has been resolved to allow construction on the parcel.

Director Sisolak asked staff to research existing legislation to determine if there's a way that governing boards can mandate that local labor be used. Greg Walch, General Counsel, replied that he would look into the issue. Ms. Mulroy noted that the contract's lowest bidder will use local labor.

FINAL ACTION: A motion was made by Director Bateman to follow staff's recommendations. The motion was approved.

6. ***For Possible Action: Approve and authorize the General Manager to enter into an assistance agreement between the Bureau of Reclamation and the Authority, to accept a grant for an amount not to exceed \$300,000 to support the Authority's Water Smart Landscape Rebate Program, and authorize the General Manager to approve future modifications only if the future modifications do not fiscally impact the Authority.***

Director Brager asked if residents were made aware in the landscape conversion process of the course of action needed in the event they wanted to replant turf. John Entsminger, Senior Deputy General Manager, noted that information is included in the program's terms and requires review before any conversion can take place.

FINAL ACTION: A motion was made by Director McCoy to follow staff's recommendations. The motion was approved.

7. ***For Possible Action: Approve an agreement between Faiss Foley Warren and the Authority to provide integrated communication and support services related to the Water Conservation Coalition, water quality, water resources, and environmental initiatives in an amount not to exceed \$900,000, with an option to extend the agreement for five additional one-year periods at the same compensation amount.***

Julie Wilcox, Public Services Director, provided an overview of the contract's terms and uses, including placement of advertising, outreach support, collateral development. She noted that the total amount is not expended each year. She noted the firm's achievements in terms of water quality outreach, which is anticipated to increase in the coming year given declining lake levels. She also discussed the firm's work with conservation programs for commercial customers such as the linen exchange program and administration of the Water Conservation Coalition.

Helen Foley, Linda Faiss and Melissa Warren gave an overview of their firm and shared recent work with the Board including a water quality commercial and video related to SNWA environmental efforts.

Director Sisolak requested to see videos shown more often on television and suggested showing them in schools and the local public access networks.

Director Brager asked if it would be beneficial to include SNWA literature in new homes. Chairwoman Scow asked what the plans are for the upcoming year. Ms. Foley noted that a lot of work will be focused around the efforts and recommendations of the Integrated Resource Planning Advisory Committee.

FINAL ACTION: A motion was made by Director Sisolak to follow staff's recommendations. The motion was approved.

8. ***For Possible Action: Approve a professional services agreement between Flow Science Incorporated and the Authority to evaluate the National Park Service and Bureau of Reclamation's proposed Long-Term Experimental and Management Plan and to research its impact on water quality in Lake Mead resulting from the Bureau of Reclamation's future operational plans and the effects of climate change, for an amount not to exceed \$500,000 for the period from date of award through July 1, 2017.***

Pat Mulroy, General Manager, noted that the Authority acquired this water quality model from the Clean Water Coalition and wants to utilize the model to stress the potential impacts of modified Glen Canyon Dam operations. Director Sisolak asked if there was a partnership opportunity with the Desert Research Institute. Ms. Mulroy anticipated that the Desert Research Institute will also be utilizing this model, as it's unique to the region.

Director Coffin noted that he is interested to see the research related to quaggas as this research moves forward.

FINAL ACTION: A motion was made by Director Coffin to follow staff's recommendations. The motion was approved.

9. ***For Information Only:*** Receive an update from staff on water resources including, but not limited to, drought conditions in the Colorado River Basin, the results of the implementation of the Authority's Water Resource and Conservation Plans, activities on the Colorado River, the development of in-state water resources, and the status of the third intake project.

Mr. Entsminger gave a presentation to the Board about ongoing hydrology conditions, namely the potential for reduced deliveries to Lake Mead. A copy of the presentation is attached to these minutes. Ms. Mulroy noted that the Basin States are meeting to discuss plans should Lake Mead elevations fall below 1,025 feet. She noted that any solutions will require cooperation with the agricultural community and outlined possible options to reducing agricultural demand.

Director Coffin asked if the SNWA has confidence with lake elevation measurements due to silting. Ms. Mulroy stated that the silting issue affects Lake Powell more than it does Lake Mead, but noted the concern. Mr. Zegers noted that staff will contact the U.S. Geological Survey for more information about the silting issue and update the Board at a later date.

Marc Jensen, SNWA Engineering Director, gave an update on activities on the Lake Mead Intake No. 3 project. A copy of his presentation is attached to these minutes.

NO ACTION NECESSARY.

Public Comment

Peter Dixon, Las Vegas, Nevada, discussed an issue involving Las Vegas Valley Water District meter valves and asked the Board for assistance.

Adjournment

There being no further business to come before the board, the meeting adjourned at 10:04 p.m.

APPROVED:

Chair

Patricia Mulroy, General Manager

Copies of all original agenda items and minutes, including all attachments, are on file in the General Manager's office at the Las Vegas Valley Water District, 1001 South Valley View Boulevard, Las Vegas, Nevada.

SNWA Community Outreach Initiatives:

Faiss Foley Warren Promotional Support

July 18, 2013



ffw **Water Quality**



Your water has been given a clean bill of health.

Since 2003, Faiss Foley Warren has worked with SNWA's outstanding community outreach team to educate residents about the critical and sometimes confusing issue of our Water Quality.

- By promoting water safety and quality, the campaign successfully decreased the negative emphasis on water taste and hardness.
- As a result, the community's level of confidence in drinking water safety has moved from neutral to favorable since 2003.
- Water quality information has been made available in Spanish for the first time.
- Water safety information is now available in doctors' offices throughout the Las Vegas Valley, reaching expectant mothers and those with immune system disorders.

ffw **Water Quality**

Water quality television spot

ffw **Commercial Water Conservation**

Small actions. Big payoffs.



Faiss Foley Warren provides both promotional and logistical support related to commercially focused conservation programs, including:

- Linen Exchange – With more than 30 participating resorts, thousands of rooms participate in this guest-oriented water efficiency program.
- Water Upon Request – More than 200 local restaurants now serve glasses of water only upon request, saving more than a gallon of water for each glass not served.
- Water Smart Home – Leading builders, including KB Homes and Del Webb/Pulte, participate in this innovative program, which established stringent water efficiency standards for new construction and served as the model for the national Environmental Protection Agency program.

ffw **Water Conservation Coalition**



Faiss Foley Warren provides administrative, production and promotional support to the community-based Water Conservation Coalition, a panel of leading business people focused on improving water efficiency in that sector.

- Provided media and logistical support for public conservation projects such as Boys and Girls Town, Griffith Elementary School, and the Sherman Gardens landscape conversion (in progress).
- Promote applications and logistics for the SNWA's Water Hero Awards.
- Support efforts to include conservation-related articles in newsletters for WCC member organizations, homebuilder magazines, and homeowners association newsletters.

ffw **Community Outreach**



- IRPAC Outreach
- Business Community
- Neighborhood organizations
- Professional organizations
- Trade shows
- Schools

ffw **Environmental Initiatives**



From video production to the development of collateral materials and media support, Faiss Foley Warren supports the SNWA's numerous environmental initiatives:

- Las Vegas Wash – A significant reduction in erosion and improvement in wildlife habitat earned national honors for this initiative, which was overseen by the SNWA in partnership with nearly 30 entities.
- Warm Springs Natural Conservation Area – The SNWA has taken a significant role in this multi-agency effort to maintain and enhance habitat for the endangered Moapa dace.
- Water Resource Planning and Education – To reduce Southern Nevada's 90 percent reliance upon the drought-plagued Colorado River, the SNWA continues to work through the regulatory and legal processes necessary to draw upon a portion of Nevada's available, unused groundwater resources and pursue alternative resources such as desalination.

ffw **Environmental Initiatives**

Environmental initiatives video



Summary of Qualifications

One of Southern Nevada's longest-established firms, Faiss Foley Warren has a record based upon performance and responsiveness.

- Extensive experience in the Las Vegas media market.
- Full range of services, including video and print production.
- Exceptional knowledge of issues affecting the water sector.
- Understanding of diverse stakeholder groups and their informational needs.

UNIVERSITY OF NEBRASKA-LINCOLN WATER AUTHORITY

Update on Drought Conditions and Water Use

July 18, 2013

Drought Monitor

Legend:

- D0 Abnormally Dry
- D1 Drought - Moderate
- D2 Drought - Severe
- D3 Drought - Extreme
- D4 Drought - Exceptional

Additional Legend:

- W1 Drought - Moderate
- W2 Drought - Severe
- W3 Drought - Extreme
- W4 Drought - Exceptional

The Drought Disaster Relief and Emergency Assistance Act authorizes the Secretary to request Supplemental...

Released Wednesday, July 3, 2013
 Author: Matthew Roseberry, NOAA/NWS/CE/CPC

<http://droughtmonitor.unl.edu>

Seasonal Drought Outlook

(Valid July - September, 2013)

KEY:

- Drought persists or intensifies
- ▨ Drought remains but improves
- ▩ Drought removal likely
- Drought development likely

Source: National Oceanic Atmospheric Administration and the U.S. Department of Commerce

Colorado River Basin Conditions

Monthly Precipitation for June 2013

Percentage of Average

- 100-120%
- 80-100%
- 60-80%
- 40-60%
- 20-40%
- 0-20%
- 0% or less

- May inflow to Lake Powell: 48% of average
- June inflow to Lake Powell: 35% of average
- Snow pack: NA
- Water Year 2013 Precipitation: 80% of average
- Forecasted Water Year 2013 Inflow to Lake Powell: 41% of average

Precipitation and Inflow Forecast – Lake Powell

2012 Water Year			2013 Water Year	
Month	Actual Precipitation	Inflows Forecast	Actual Precipitation	Inflows Forecast
Jan	75%	79%	72%	61%
Feb	84%	78%	78%	54%
Mar	86%	80%	76%	49%
Apr	78%	63%	78%	42%
May	74%	51%	80%	45%
Jun	71%	47%	77%	44%
Jul	71%	46%	80%	41%
Aug	74%	48%		
Sept	74%	46%		
Actual	74%	45%		

Source: Bureau of Reclamation, Lower Colorado Water Supply Reports

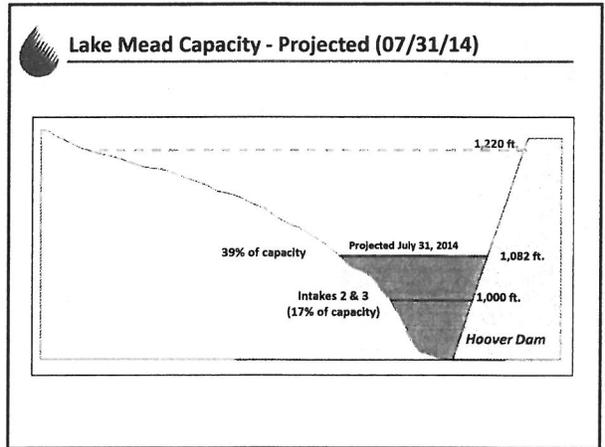
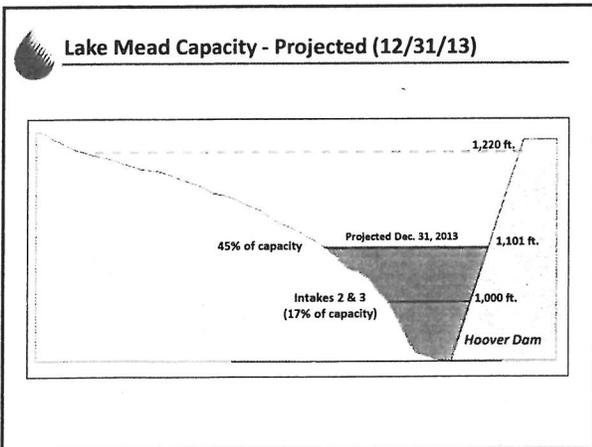
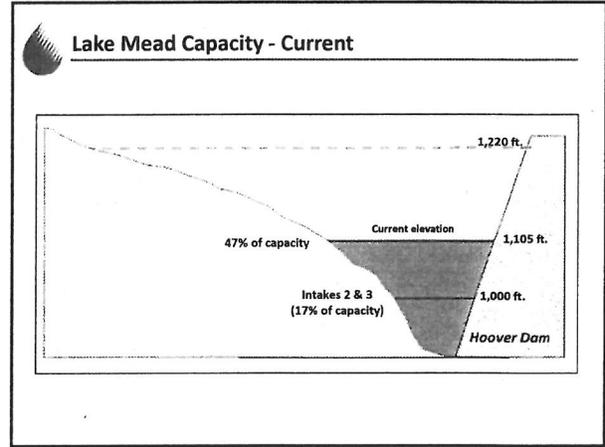
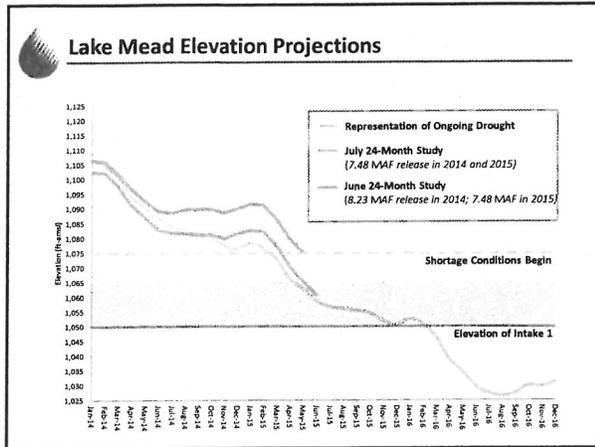
- ### Reservoir Operations
- 24-Month Study is used to determine operations for Lake Powell and Lake Mead
 - The August 24-month study is used to determine the operating tier for the upcoming calendar year (based on projection of January 1 elevations)
 - The April 24-month study is used to make mid-year adjustments to the releases from Lake Powell (releases can only increase)

Release Determination

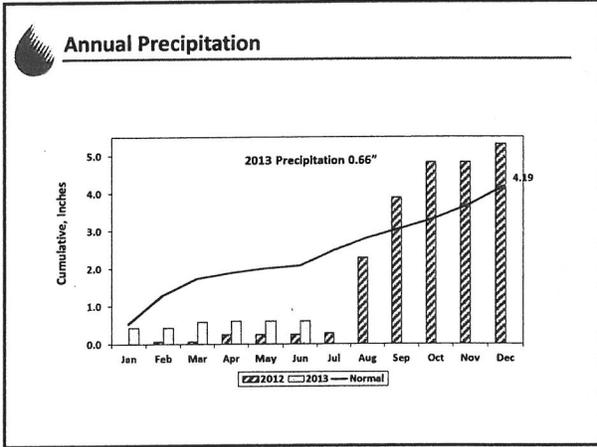
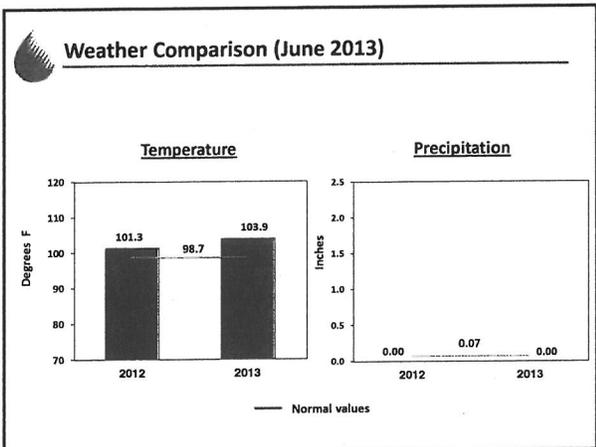
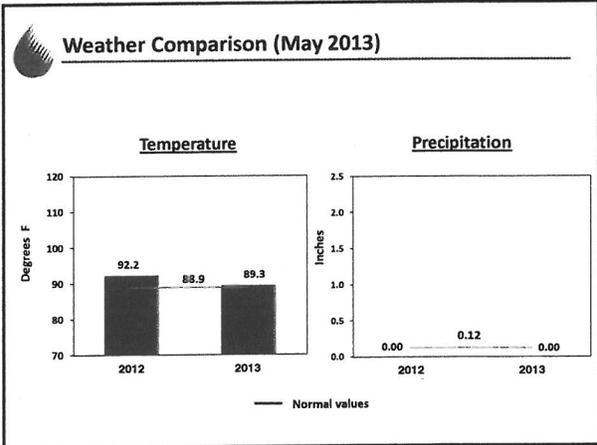
Lake Powell Operational Tiers

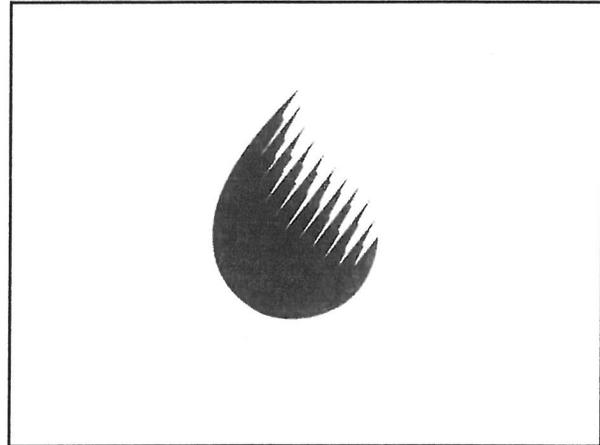
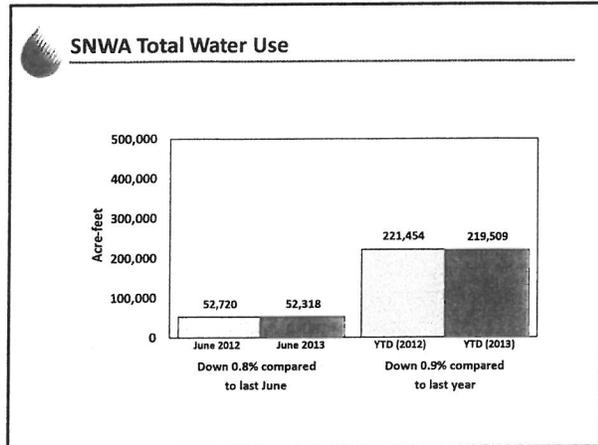
Lake Powell Elevation	Lake Powell Operational Tier	Lake Powell Active Storage
3,700 ft.		24.32 MAF
3,636-3,666 ft.	Equalization Tier Equalize, avoid spills or release 8.23 MAF	15.54 – 19.29 MAF
3,575 ft.	Upper Elevation Balancing Tier Release 8.23 MAF; if Lake Mead < 1,075 feet; balance contents with a min/max release of 7 and 9 MAF	9.52 MAF
3,525 ft.	Mid-Elevation Release Tier Release 7.48 MAF; If Lake Mead < 1,025 ft., release 8.23 MAF	5.93 MAF
3,370 ft.	Lower Elevation Balancing Tier Balance contents with a min/max release of 7.0 and 9.5 MAF	0 MAF

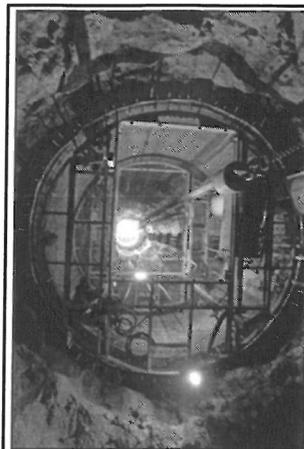
- ### Reservoir Operations – 2014/2015
- The July 24-Month study shows Lake Powell's elevation below 3,575 ft. with an 8.23 million acre-feet release
 - Therefore, the release is modified to the Mid-Elevation Release Tier and only 7.48 million acre-feet to be released from Lake Powell
 - August 24-Month study makes final determination
 - 2015 is projected to be in the Mid-Elevation Release Tier, which would result in back-to-back releases of 7.48 million acre-feet



SNWA Water Use



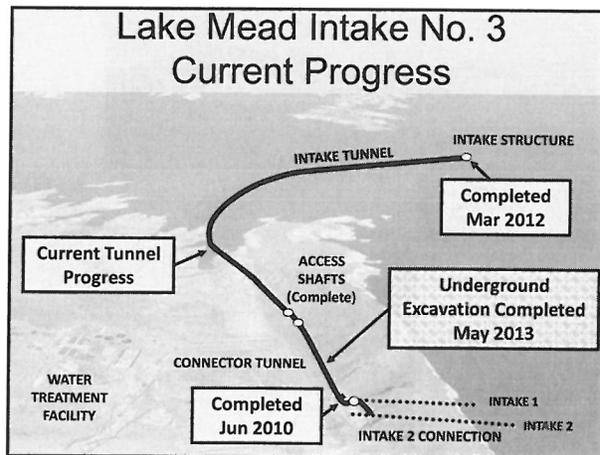




LAKE MEAD INTAKE NO. 3

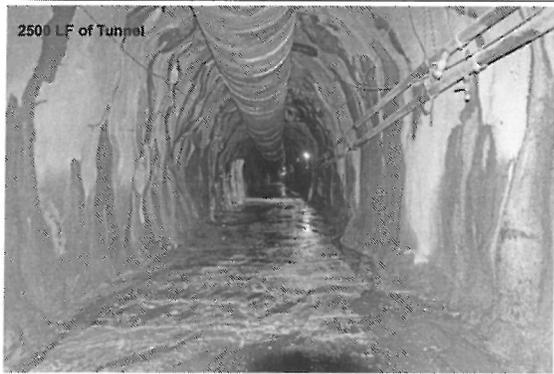
SNWA Board of Directors
Progress Report

18 July 2013



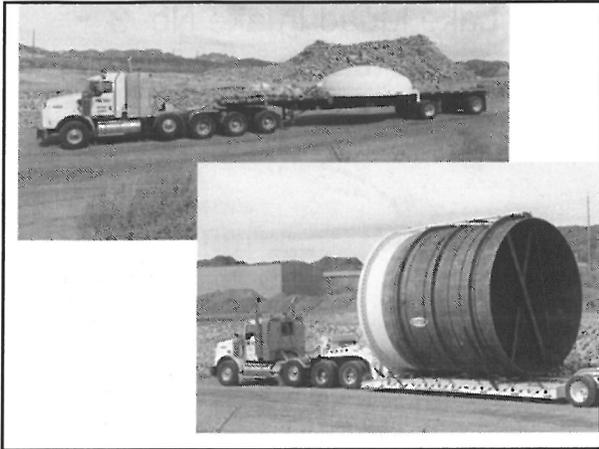
CONNECTOR TUNNEL

2500 LF of Tunnel



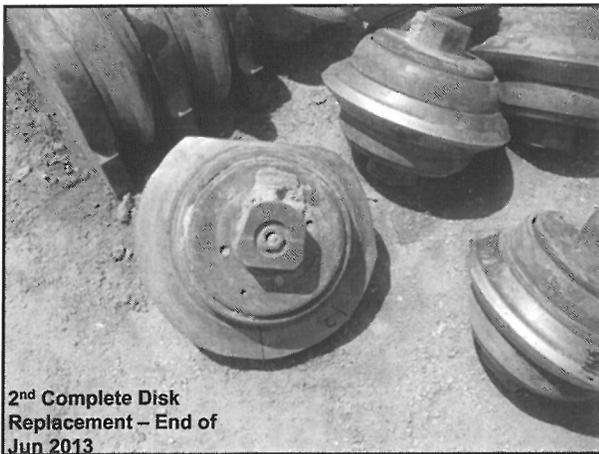
Connector Tunnel Linkup With Existing Intake No. 2





CURRENT TUNNEL BORING STATUS

- The TBM has left the Saddle Island metamorphic rocks, now in sedimentary rocks
- The face ahead of the TBM is depressurized with less than 10 gpm of water inflow
- Cutter disks were inspected at the end of June after 1,200 feet of excavation
- Disks were found worn but not destroyed
- All disks were replaced in less than a week
- The TBM is now operating in the “open” mode under atmospheric conditions



2nd Complete Disk Replacement – End of Jun 2013

