

Bighorn-Desert View Water Agency

Board of Directors

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Terry Burkhart, Director
J. Larry Coulombe, Director

Marina D West, P.G., General Manager



A Public Agency

Agency Office

622 S. Jemez Trail
Yucca Valley, CA 92284-1440

760/364-2315 Phone
760/364-3412 Fax

www.bdvwa.org

Planning/Legislative/Engineering Grant & Security Standing Committee Special Meeting Agenda

Wednesday June 28, 2017 – 9:15 a.m.

Note Location: Agency Administrative Office

622 S. Jemez Trail, Yucca Valley CA 92284

Committee Members: Director Corl-Lorono & Director Burkhart

The BDVWA Planning / Legislative / Engineering / Grant & Security Committee meeting will be conducted in strict compliance with the Brown Act. Members of the Board not assigned to this Committee who attend may do so only as observers and may not participate in the meeting.

1. **Call to Order**
2. **Pledge of Allegiance**
3. **Roll Call**
4. **Approval of Agenda**

Discussion and Action Items - The Committee and Staff will discuss the following items and provide direction to staff, if so inclined.

The Public is invited to comment on any item on the agenda during discussion of that item.

When giving your public comment, please have your information prepared. If you wish to be identified for the record then please state your name. Due to time constraints, each member of the public will be allotted three-minutes to provide their public comment.

5. Conference Call with Mojave Water Agency's Legal/Legislative and Public Information Committee – Recording Dated June 27, 2017

Committee to listen to June 27, 2017 recording of the update by the State Advocate of Issues at the State Level, as well as an update by the Federal Advocate of Issues at the Federal Level.

6. Mandated Change of Election Cycle – Update

7. Presentation of Mainline Valve Installed via “Hot Tap” Method

8. Results of Percolation Testing by Mojave Water Agency at Linn Road Property - Update

9. Consent Items - The following is expected to be routine and non-controversial and will be acted on by the Committee members at one time without discussion, unless a member of the Public or a Committee member requests that an item be held for discussion or further action.

- a. Regular PLEGS Committee Meeting Report, April 18, 2017

10. Public Comment Period

Any person may address the Committee on any matter within the Agency's jurisdiction on items not appearing on this agenda.

When giving your public comment, please have your information prepared. If you wish to be identified for the record then please state your name. Due to time constraints, each member of the public will be allotted three-minutes to provide their public comment. State Law prohibits the Committee from discussing or taking action on items not included on the agenda.

11. Verbal Reports

- a. Committee Members' Comments/Report
- b. General Manager's Report

12. Adjournment

In accordance with the requirements of California Government Code Section 54954.2, this agenda has been posted in the main lobby of the Bighorn-Desert View Water Agency, 622 S. Jemez Trail, Yucca Valley, CA not less than 72 hours if prior to a Regular meeting, date and time above; or in accordance with California Government Code Section 54956 this agenda has been posted not less than 24 hours if prior to a Special meeting, date and time above.

As a general rule, agenda reports or other written documentation has been prepared or organized with respect to each item of business listed on the agenda.

Copies of these materials and other disclosable public records in connection with an open session agenda item, are also on file with and available for inspection at the Office of the Agency Secretary, 622 S. Jemez Trail, Yucca Valley, California, during regular business hours, 8:00 A.M. to 4:30 P.M., Monday through Friday. If such writings are distributed to members of

the Board of Directors on the day of a Board meeting, the writings will be available at the entrance to the Board of Directors meeting room at the Bighorn-Desert View Water Agency.

Internet: Once uploaded, agenda materials can also be viewed at www.bdvwa.org.

Public Comments: You may wish to submit your comments in writing to assure that you are able to express yourself adequately.

Per Government Code Section 54954.2, any person with a disability who requires a modification or accommodation, including auxiliary aids or services, in order to participate in the meeting, should contact the Board's Secretary at 760-364-2315 during Agency business hours.

AGENDA ITEM # 5



Legal, Legislative and Public Information Committee

AGENDA

**Mojave Water Agency
Board Room
13846 Conference Center
Drive
Apple Valley, CA 92307**

June 27, 2017

09:30 a.m.

-
- 1. Approve Agenda**
 - 2. Approve Meeting Summary from the Legal, Legislative, and Public Information Committee Meeting of May 16, 2017**
 - ☐ Meeting Summary
 - 3. Update by State Advocate of Issues at the State Level (teleconference)**
 - ☐ State Report
 - 4. Update by Federal Advocate of Issues at the Federal Level (teleconference)**
 - ☐ Federal Report
 - ☐ Federal Matrix
 - 5. Public Information Update**

6. General Manager's Report

7. Public Participation

8. Comments/Discussion Items for Next or Future Agendas

9. Adjournment

Pursuant to Government Code Section 54954.2(a), any request for a disability-related modification or accommodation, including auxiliary aids or services, that is sought in order to participate in the above-agendized public meeting, should be directed to the Agency's General Manager's office at (760) 946-7008 at least 24 hours prior to said meeting.

Please visit our Facebook page at <http://www.facebook.com/mojavewater>



LEGAL, LEGISLATIVE, AND PUBLIC INFORMATION COMMITTEE MEETING

MEETING SUMMARY May 16, 2017

CALL TO ORDER:

Ex-officio Member Kimberly Cox called the meeting to order at 9:30 a.m.

ATTENDANCE:

- ✦ Committee – Ex-officio Member Kimberly Cox, Director Carl Coleman, and Director Thurston "Smitty" Smith
- ✦ Absent – Chairperson Beverly Lowry and Director Richard Hall
- ✦ Staff – General Manager Kirby Brill, Community Liaison Officer Yvonne Hester, and Executive Assistant Michelle Doyle
- ✦ Consultants – State Advocates Ed Manning and Carolyn Jensen, KP Public Affairs and Federal Advocates Letitia White, Jean Denton, and Christian Rodrick joined by teleconference
- ✦ Others – Three guests were in the audience and four were online

1. **Approve Agenda**

The agenda was agreed upon as presented.

2. **Approve Meeting Summary from the Legal, Legislative, and Public Information Committee Meeting of April 18, 2017**

The meeting summary was agreed upon as presented.

3. **Update by State Advocate of Issues at the State Level**

Mr. Manning gave a brief legislative update including bills that may be of interest to the Agency. He also mentioned that the Delta Plan was amended.

Ms. Jensen stated that with regard to the two Friedman bills (AB 1668 and AB 1669), she will check with Ms. Kathy Cortner regarding specific language on the bills, and then will report to the Committee regarding any action that may need to be taken.

Ms. Jensen also gave an overview of SB 771, which is on today's agenda.

4. **Update by Federal Advocate of Issues at the Federal Level**

Ms. White gave a legislative update mentioning the budget, the status of President Trump's image, among other news. She also addressed questions from the Committee.

5. **Discuss Possible MWA Position on SB771 Regarding California Environmental Quality Act (CEQA) Continuing Education Requirement**

Ex-officio member Cox recommended waiting on making a decision on SB 771 in light of what State Advocate Carolyn Jensen reported. The other Committee members agreed.

6. **Public Information Update**

Ms. Hester gave a PowerPoint presentation providing an overview of Agency events since the last meeting, as well as upcoming events.

7. **General Manager's Report**

No report.

8. **Public Participation**

None.

9. **Comments/Discussion Items for Next or Future Agendas**

Director Smith mentioned waiting on a reply from the State Advocates regarding AB 1668 and AB 1669.

10. **Adjournment**

Ex-officio member Cox adjourned the meeting at 10:18 a.m.

Submitted by: _____
Gloria Golike
Public Information Specialist

Attachments on-file:

Item No. 6 - Public Information Report - PowerPoint
Sign-in sheet



TO: Legal, Legislative and Public Information Committee
FROM: Ed Manning and Carolyn Jensen
RE: KP Public Affairs Agenda

1. Legislative Calendar

- A. June 15th: State budget approved by Legislature and sent to Governor
- B. July 14th: Last day for policy committees to hear and report fiscal bills
- C. July 21st - August 21st: Summer Recess

2. Legislative Update

- A. AB 366 (Obernolte) Water Supply: New Residential Development: Building Permits
 - i. Status: Senate Environmental Quality Committee
 - ii. Hearing Date: July 5th
- B. AB 367 (Obernolte) Water Supply: Building Permits
 - i. Status: Senate Environmental Quality Committee
 - ii. Hearing Date: July 5th
- C. Safe Drinking Water: Funding
 - i. SB 623 (Monning) Safe Drinking Water Fund
 - Status: Assembly Environmental Safety and Toxic Materials Committee
 - Hearing Date: July 11th
- D. Governor Brown's Framework for Making Conservation a Way of Life
 - i. Administration's Trailer Bill Proposal
 - ii. AB 1668 (Friedman) Water management planning
 - Status: Senate Natural Resources and Water Committee
 - Hearing Date: July 11th
 - iii. AB 1654 (Rubio) Water shortage: urban water management planning
 - Status: Senate Natural Resources and Water Committee
 - Hearing Date: July 11th

3. Delta Stewardship Council Update

- A. Delta Plan Amendment

6/19/2017

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Comprehensive Government Relations

MEMORANDUM

To: Kirby Brill, Gloria Golike, Yvonne Hester

From: Letitia White, Jean Denton, Christian Rodrick

Date: June 1, 2017

Re: May Monthly Legislative Update

Congress Passes, Trump Signs Omnibus Appropriations Bill to Fund Government Through FY17

The House and Senate passed a \$1.17 trillion spending bill that President Donald Trump signed on Friday, May 5th, avoiding a federal government shutdown by only a few hours. The House passed the bill by a vote of 309-118 and in the Senate, the measure passed by a vote of 79-18.

Despite many of President Trump's requests not being included, both Republican and Democrat Leadership are touting the spending legislation as a win. House Speaker Paul Ryan and Senate Majority Leader Mitch McConnell stepped up their efforts to also persuade Republicans to view it as a win for their party. Ryan said after a meeting of House Republicans that the defense spending in the bill — which takes the Pentagon to almost \$600 billion this year — amounts to a “game changer” that Republicans can't ignore.

The spending bill underscores the constraints on Republicans, even though they control the White House and both chambers of Congress. With just 52 Republican senators and a fractured GOP majority in the House, most legislation still needs some Democratic support to clear.

The bill contains \$1.3 billion for the Bureau of Reclamation, which is \$42 million above the fiscal year 2016 enacted level and \$205 million above the previous Administration's request. It includes \$3 billion dollars for Community Development Block grants (CDBG) which is equal to last year. Additionally, it provides a \$15 million increase to the Economic Development Agency, bringing their total to \$276 million.

President Trump Delivers FY18 Budget Request to Congress

President Trump delivered his formal budget request for FY18 to Congress on May 23rd, sending shockwaves through Washington, despite the lack of dramatic changes from his “Skinny Budget” proposal in April. The request, which proposes significant increases to defense and homeland security spending, offsets these increases with dramatic cuts to domestic programs. The plan proposes \$1.7 trillion in cuts to major social and entitlement programs for lower-income Americans as part of an effort to balance the budget within a decade. In the next fiscal year alone, discretionary spending would be cut by \$54 billion. The budget seeks \$603 billion for defense, about \$54 billion more than allowed for under spending caps instituted in 2011. The President also included a request to allow the U.S. Attorney General, or the Homeland Security

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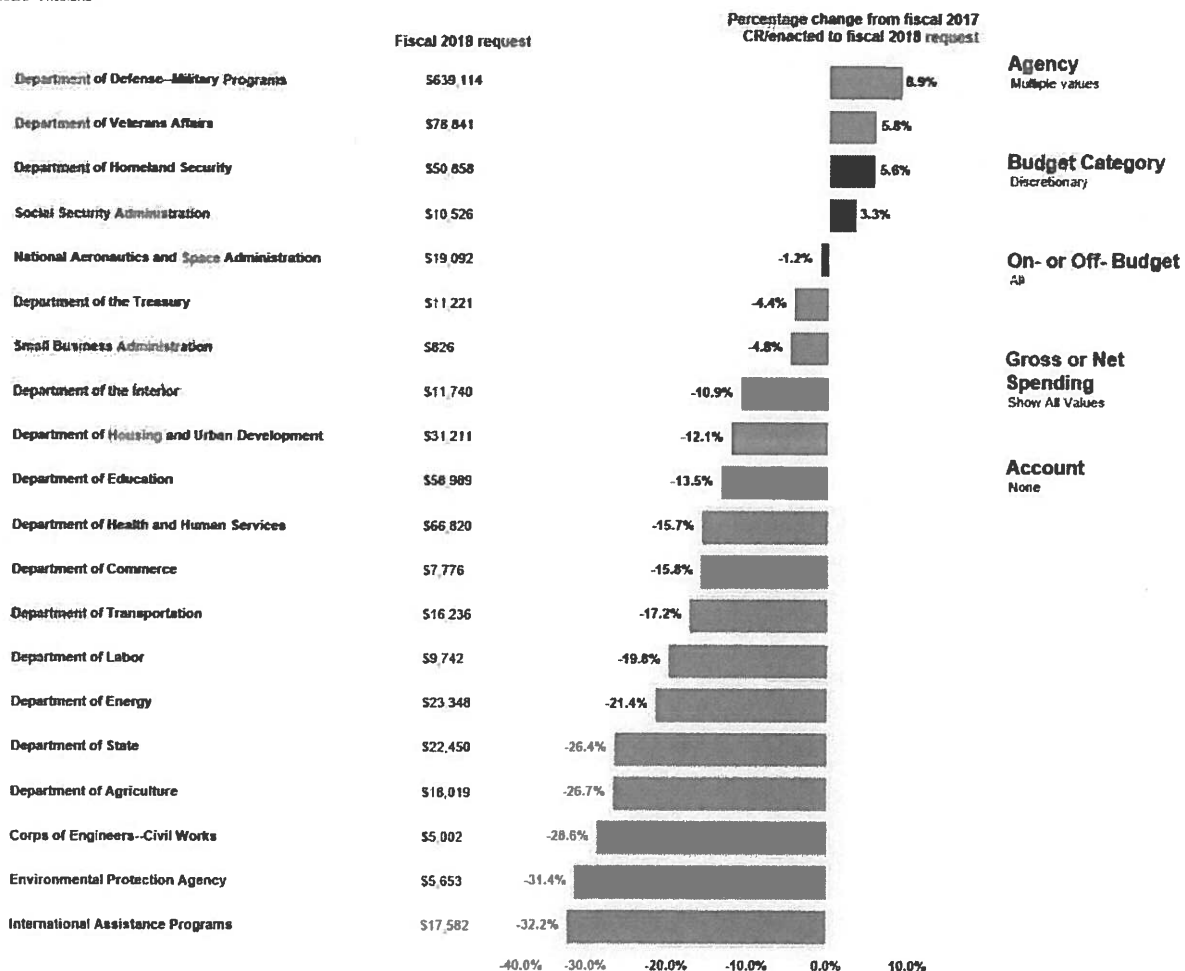
Secretary to condition certain grants and other law enforcement cooperation on complying with information requests as part of enforcing immigration laws, or, a city's status as a 'Sanctuary City.'

Both Republicans and Democrats on Capitol Hill quickly jumped to announce the request was "Dead on Arrival." Senator John McCain [R-AZ] slammed the proposal, stating it was "inadequate to the challenges we face, illegal under current law, and part of an overall budget proposal that is dead on arrival in Congress." House Appropriations Committee Chairman Rodney Frelinghuysen [R-NJ] also released a statement, reminding the public that "As outlined in the Constitution, the Congress, not the Executive Branch, has the 'power of the purse,'" and that Congress would be writing their own budget. Additionally, he stated his committee will "analyze the request, go through each and every budget line, question every witness, and demand spending justifications on behalf of the taxpayers who are footing the bill"

Below, you will find a graphic with the requested Budget Authority by Agency.

Budget authority by agency

dollars in millions



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President Trump Sneaks Infrastructure Update into Budget Proposal

With little buildup, President Trump included a Fact Sheet regarding the President's frequently touted \$1 trillion-dollar infrastructure plan. (You can read the fact sheet [HERE](#).) Key principles in the President's fact sheet include making targeted federal investments, encouraging states to "self-help", aligning infrastructure investment with entities best suited to provide sustained and efficient investment, and leveraging the private sector.

The President proposes an additional \$200 billion in direct government spending and the White House is mulling public asset sales to fund some of that money. The President's proposal also came with some specific ideas, including privatizing Air Traffic Control and expanding the Transportation Infrastructure Finance and Innovation Act (TIFIA). The President's proposal also pays attention to water issues, specifically calling for full funding for the Water Infrastructure Finance and Innovation Act (WIFIA) program.

House Passes Obamacare Replacement Bill

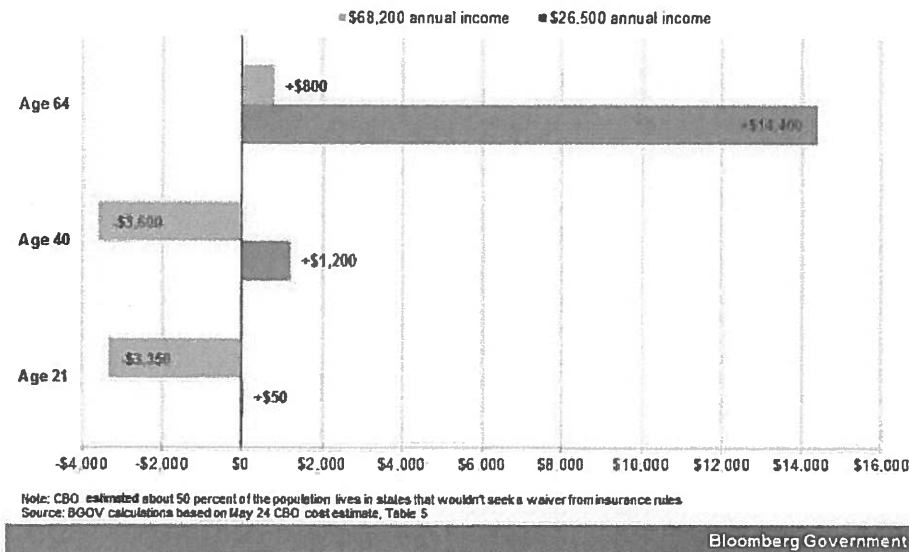
House Republicans narrowly passed a bill to repeal and replace the Affordable Care Act (ACA) after months of tense negotiations, fulfilling a years long campaign promise to undo one of President Obama's signature accomplishments. H.R. 1628, the American Health Care Act includes provisions which

- Replace the individual and employer mandate penalties with a "continuous coverage" surcharge for those with a gap in coverage;
- Allow states to opt out of ACA's essential health benefit requirements and rules preventing insurers from charging more based on health status and age;
- Provide funding for high-risk pools, reinsurance programs and other purposes;
- Eliminate the ACA's income-based subsidies and replacing them with refundable, age based tax credits;
- Roll back the Medicaid expansion and converting Medicaid payments to states to a per capita cap system.

The Congressional Budget Office (CBO) found that the measure would reduce federal deficits by \$119 billion over 10 years and increase the number of uninsured by 23 million people in 2026. CBO estimated that premiums would be lower on average after 2020, though they could vary significantly based on health in states that opt out of the insurance rules and based on age and income. The following graphic shows how net premium costs would rise for older and lower-income people in states that don't opt out of insurance rules.

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Change in premium costs after subsidies in states that don't seek waivers



The bill is expected to be revised drastically in the Senate, where Senate Majority Leader Mitch McConnell [R-KY] already has established a working group of Republican Senators to work on creating a Senate version of the legislation. Senator Lamar Alexander, [R-TN] who chairs the Senate health committee stated that the Senate will “write our own bill” in the hours following the House’s passage of the legislation.

President Trump Takes First Foreign Trip

President Trump took his first foreign trip as President, departing on May 19th for an 8-day trip that included stops across the Middle-East and Europe. The President had stops in Saudi Arabia and Israel, before meeting with the Pope in the Vatican City and meeting with other North Atlantic Treaty Organization (NATO) leaders in Europe. During the trip, the President worked to affirm some key relationships, but also had some tense exchanges with allies. Speaking before NATO members, he challenged member nations to ‘pay their fair-share’ and failed to wholeheartedly endorse NATO’s Article 5, the article which states any NATO member will view an attack against another NATO member as an attack against itself. (President Trump’s advisors later stated that ‘of course’ the president supports Article 5.)

The President received mixed reviews for the trip with relatively few major blemishes. Supporters praised trump for “sticking-to-the script,” and creating relatively little drama during the trip, however detractors critiqued the President on issues related to intelligence leaks, NATO and the Paris Climate Accord.

Deputy AG Names Special Counsel over Russia Inquiry

Deputy Attorney General Rod Rosenstein named former FBI Director Robert Mueller Special Counsel to oversee the Department of Justice’s investigation into Russian efforts to influence the 2016 campaign. The move immediately restored needed credibility to the investigation and was praised by politicians and critics across the political spectrum. For President Trump, reeling amid allegations he sought a loyalty pledge from recently fired FBI Director James Comey and asked him to drop an investigation into former National Security Adviser Michael Flynn, the move

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provided welcome short-term relief. It gave Republicans seeking less drama from the White House something to cheer. And it granted Democrats a key demand for the inquiry to be managed by someone untainted by White House ties.

President Trump initially stated he welcomes the special counsel, in a statement he said “As I have stated many times, a thorough investigation will confirm what we already know there was no collusion between my campaign and any foreign entity.” However, he later claimed that he had been treated “more unfairly” than any other politician and that the investigation was simply a witch hunt.

Outlook for June

After returning from a week-long recess, Congress will have plenty to do and little time to do it, if it hopes to deliver on a number of President Trump’s key agenda items. During June, Congress will conduct hearings on the FY18 budget and will continue to conduct hearing on an upcoming infrastructure proposal. The House Appropriations Committee tentatively plans to begin marking up some bills in late June. Congress will likely begin discussing tax overhaul legislation and the Senate will begin to work on a healthcare bill to repeal and replace the Affordable Care Act. Both the House and Senate will also continue their own investigations into Russian meddling in the 2016 U.S. election, including June 8th testimony by fired FBI Director James Comey before the Senate Intelligence Committee. The House is also expected to bring up legislation to overhaul the Dodd-Frank bill that brought the most significant changes to federal financial regulation since the Great Depression.

President Trump has sworn he will investigate the high number of leaks coming out of his Administration. President Trump will also have to deal with fallout from his trip abroad including an expected June 1st decision on the Paris Climate Agreement, and how to work on trade deals with traditional European allies such as Germany who Trump has vowed to “change” the “MASSIVE trade deficit” with.

Rumors of a staff shake-up continue to dog the White House with increased fervor following the abrupt departure of White House Communications Director Michael Dubke. Amid these possible changes to his closest advisors, President Trump will need to continue appointing political staff throughout his administration and in a number of diplomatic positions.

Federal Legislation of Significance

| Bill Number | Sponsor | Title and/or Summary | Summary/Status |
|-------------|--|---|--|
| | | Omnibus Appropriations Package | <p>The House and Senate passed an Omnibus Appropriations package to fund the government through the remainder of fiscal year 17. The bill was passed by the Senate on May 4th and signed by President Trump on May 5th.</p> <p>The FY17 package includes \$221.5 million for the Community Oriented Policing Services (COPS) Program. Within this funding, \$137 million is for the hiring of law enforcement, which is the same as last year. In addition, \$276 million is provided for the Economic Development Administration (EDA), an increase of \$15 million above the FY16 enacted level. Community Development Block Grants (CDBG) will receive \$3 billion, which is equal to the last year's funding level.</p> <p>For the Bureau of Reclamation, the legislation contains \$1.3 billion which is \$42 million above the fiscal year 2016 enacted level and \$205 million above the previous Administration's request. As the committee states these additional funds are for the Department of the Interior and the Bureau to help manage, develop, and protect the water resources of Western states.</p> <p>The omnibus does not include contain funding requested by President Trump to build a border wall or policy riders restricting so-called 'sanctuary cities' from receiving federal grants, defunding Planned Parenthood, or undermining the Affordable Care Act.</p> |
| H.R. 23 | Rep. David Valadao (R-CA) | Gaining Responsibility on Water Act of 2017 | <p>Among other things the legislation would require regulators to comply with the Bay-Delta Accord. The measure has been referred to the House Committee on Natural Resources and the Committee on Agriculture. At this time, it is our understanding that there isn't much of an appetite to revisit California drought legislation after just including language in the Water Resource Development Act passed at the end of 2016.</p> |
| | Rep. Bill Shuster (R-PA) /Sens. Jim Inhofe (R-WY) and Kamala Harris (D-CA) | Infrastructure Package | <p>Congressional hearings continue on the topic of an infrastructure package. During February both the House Transportation and Infrastructure Committee and the Senate Environment and Public Works Committee held a hearings on modernizing the nation's infrastructure. The Senate Commerce, Science and Transportation Committee is scheduled to hold a hearing on infrastructure access issues on March 1. We anticipate that both the House and Senate will continue to get feedback from stakeholders throughout the country as they continue to consider crafting an infrastructure package.</p> |

| | | |
|--------------------|--|---|
| | | <p>While discussions continue, the Republican leadership has indicated that the legislation will likely not gain momentum until Congress concludes action regarding the Affordable Care Act and tax reform legislation.</p> <p>Along with his Budget request, on May 23rd, President Trump included a "Statement of Principles" for his desired \$ 1 trillion infrastructure proposal. (HERE) Trump is calling for spending \$200 billion over a decade to jump start private, state and local spending on infrastructure. Additionally, the White house is mulling public asset sales to fund the plan.</p> <p>While the budget revealed some new information into what the Administration's upcoming Infrastructure proposal will look like, it only provides an outline of what we expect to come this fall. Despite the infrastructure promises, the Transportation Department would actually see a great deal of cuts, including a complete elimination of the TIGER Program and Amtrak long distance routes. Attached to this email, you will find a slide on Transportation funding in the FY18 budget.</p> |
| H.R. 1663 | Rep. Grace Napolitano (D-CA) / Rep. Rob Wittman (R/VA) | <p>Water Resources Research Amendments Act</p> <p>This legislation would extend a Federal-State partnership aimed at addressing state and regional water problems, promoting distribution and application of research results, and providing training and practical experience for water-related scientists and engineers. H.R. 1663 would authorize \$9,000,000 annually over five years for grants to water resources research institutes and require two-to-one matching with non-federal funds. It would also promote exploration of new ideas, expand research to reduce energy consumption, and bolster reporting and accountability requirements.</p> <p>The bill has been introduced in the House Committee on Natural Resources and no actions have yet been scheduled on it.</p> |
| H.R. 497/ S.357 | Rep. Paul Cook/ Sen. Dianne Feinstein | <p>Santa Ana River Wash Plan Land Exchange Act</p> <p>This bill directs the Department of the Interior: (1) to quitclaim to the San Bernardino Valley Water Conservation District in California approximately 327 acres of identified federal land administered by the Bureau of Land Management, and (2) in exchange for such land, to accept from the Conservation District a conveyance of approximately 310 acres of its land.</p> <p>The Bill is scheduled for a hearing in front of the Federal Lands subcommittee of the House Natural Resources Committee. The bill has bipartisan, bicameral support.</p> |

| | | | |
|-----------|-----------------------|---|--|
| S. 32 | Sen. Dianne Feinstein | California Desert Protection and Recreation Act | <p>On April 27th HR 497 passed through the House Natural Resources Committee by unanimous consent, setting the bill up for a vote before the full House.</p> <p>This bill would designate important wilderness in the California desert and protect lands for recreation, wildlife and tourism. Aspects of the bill include:</p> <ul style="list-style-type: none"> • Mandate study and protection of Native American cultural trails along the Colorado River. • Designate 230,000 acres of additional wilderness area between the Avawatz Mountains near Death Valley to Imperial County's Milpitas Wash. • Add 43,000 acres to Death Valley and Joshua Tree national parks. • Create a 75,000-plus acre special management area at Imperial County's Vinagre Wash. • Designate Inyo County's Alabama Hills as a National Scenic Area. • Prohibit new mining claims on 10,000 acres in Imperial County considered sacred by the Quechan Tribe. <p>Additionally, the bill protects 140,000 acres of existing off-road vehicle riding areas from mining, energy development, military base expansion or other decisions that would close them to vehicle use.</p> |
| H.R. 2510 | Rep. Peter DeFazio | Water Quality Protection and Job Creation Act of 2017 | <p>This bill would amend the Federal Water Pollution Control Act to authorize appropriations for State water pollution control revolving funds.</p> <p>This bill has been introduced to the House Transportation and Infrastructure subcommittee on Water resources and Environment.</p> |

AGENDA ITEM # 6

**REPORT/RECOMMENDATION TO THE BOARD OF SUPERVISORS
OF SAN BERNARDINO COUNTY, CALIFORNIA
AND RECORD OF ACTION**

116

May 23, 2017

**FROM: MICHAEL J. SCARPELLO, Registrar
Registrar of Voters**

**LAURA H. WELCH, Clerk of the Board
Clerk of the Board of Supervisors**

SUBJECT: REQUESTS TO CHANGE ELECTION CYCLE TO EVEN-NUMBERED YEARS

RECOMMENDATION(S)

Adopt resolution to approve requests from the governing bodies of twenty-four districts that desire to move their election dates from consolidated elections held in November of odd-numbered years to statewide elections held in even-numbered years. Twenty-two of the districts have requested to move their election dates to statewide general elections held in November of even-numbered years, and two of the districts have requested to move their election dates to statewide primary elections held in even-numbered years.

(Presenter: Michael J. Scarpello, Registrar of Voters, 387-2100)

BOARD OF SUPERVISORS COUNTY GOALS AND OBJECTIVES

Operate in a Fiscally-Responsible and Business-Like Manner.

FINANCIAL IMPACT

Approval of this item will not result in the use of additional Discretionary General Funding (Net County Cost) as the requested change in election dates for the jurisdictions will result in an estimated decrease of \$46,046 in Net County Cost over the next two fiscal years (2017-18 and 2018-19). Adequate appropriation and revenue have been included in the Registrar of Voters (ROV) 2017-18 recommended budget and will be included in the 2018-19 recommended budget.

BACKGROUND INFORMATION

Approval of the proposed resolution would result in the consolidation of twenty-two special districts' election dates with the statewide general elections held in November of even-numbered years, and the consolidation of two school districts' election dates with the statewide primary elections held in even-numbered years.

Consolidating elections will allow the ROV to operate in a more fiscally-responsible and business-like manner because of efficiencies gained when conducting more elections in the statewide elections held in even-numbered years.

Page 1 of 3

1. Baker Valley Unified School District (Resolution No. 030917, approved 3/9/2017)
2. Chaffey Community College District (Resolution No. 111616, approved 11/16/2016).

California Elections Code section 10404 et seq also:

- Requires the County to notify all districts located in the County of a consolidation request and to request input from each district on the effect of the consolidation.
- Authorizes the ROV to prepare and transmit to the Board of Supervisors an impact analysis of the proposed consolidations and a report on the cost effectiveness of the proposed action.
- Requires the Board of Supervisors to approve the resolution unless it finds that the ballot style, voting equipment, or computer capacity is such that additional elections or materials cannot be handled.

The Clerk of the Board of Supervisors sent notices to all special districts, school districts, community college districts, and county boards of education that could be affected by the proposed consolidations and requested their input on the effects of the consolidations. No responses to the requests for comments were received.

The ROV prepared an impact analysis of the proposed consolidations that takes into consideration the overall impact to all jurisdictions if all of the districts' requests are approved. The impact analysis indicates that the ROV can produce a ballot which contains all of the ballot styles required and the voting equipment and computer capacity can handle these changes. Therefore, the ROV has no objection to the approval of these jurisdictions' requests.

It is, therefore, recommended that the Board of Supervisors adopt the proposed resolution approving the requests for consolidation with the statewide elections held in even-numbered years.

PROCUREMENT

Not applicable.

REVIEW BY OTHERS

This item has been reviewed by County Counsel (Cynthia O'Neill and Kenneth Hardy, Deputy County Counsels, 387-5455) on April 11, 2017; Finance (Dennis Stout Jr., Administrative Analyst, 387-5404) on May 15, 2017; and County Finance and Administration (Valerie Clay, Deputy Executive Officer, 387-5410) on May 15, 2017.

RESOLUTION NO. 2017-_____

**RESOLUTION OF THE BOARD OF SUPERVISORS OF THE COUNTY OF
SAN BERNARDINO, STATE OF CALIFORNIA**

On Tuesday, May 23, 2017, on motion of Supervisor _____, duly seconded by Supervisor _____ and carried, the following resolution is adopted by the Board of Supervisors of San Bernardino County, State of California.

WHEREAS, special districts, school districts, and community college districts are initially authorized to hold their governing board elections in November of odd-numbered years; and

WHEREAS, Elections Code section 10404 authorizes a special district to move its governing board election to the statewide general election in each even-numbered year, provided the governing board of said district adopts a resolution requesting such change and such resolution is approved by the appropriate board of supervisors in accordance with the requirements of Elections Code section 10404; and

WHEREAS, Elections Code section 1302(b) authorizes a school district or a community college district to move its governing board election to the statewide primary or statewide general election in each even-numbered year, provided the governing board of said district adopts a resolution requesting such change and such resolution is approved by the appropriate board of supervisors in accordance with the requirements of Elections Code section 10404.5 or 10405.7; and

WHEREAS, on various dates the Clerk of the Board of Supervisors received such resolutions from Apple Valley Foothill County Water District (Resolution No. 144, approved 3/5/2017), Apple Valley Heights County Water District (Resolution No. 197-2017, approved 3/8/2017), Arrowbear Park County Water District (Resolution No. 2017-3-9, approved 3/9/2017), Barstow Heights Community Services District (Resolution No. 2017-1, approved 3/6/2017), Bighorn-Desert View Water Agency (Resolution No. 17R-05, approved 2/28/2017), Chino Valley Independent Fire District (Resolution No. 2017-06, approved 2/8/17), Crestline-Lake Arrowhead Water Agency (Resolution No. 815, approved 3/2/2017), Crestline Sanitation District (Resolution No. 042, approved 1/12/2017), Crestline Village Water District (Resolution No. 433, approved 3/8/2017), Daggett Community Services District (Resolution No. 042, approved 3/8/2017), East Valley Water District (Resolution No. 2017.05, approved 3/8/2017), Helendale Community Services District (Resolution No. 2017-01, approved 1/19/2017), Juniper Riviera County Water District (Resolution No. 331, approved 3/9/2017), Lake Arrowhead Community Services District (Resolution No. 2017-03, approved 2/28/2017), Morongo Valley Community Services District (Resolution No. 1-2-2017 approved 2/21/2017), Newberry Community Services District (Resolution No. 71-2017, approved 2/28/2017), Phelan Pinon Hills Community Services District (Resolution No. 2016-15, approved 12/21/2016), Rim of the World Recreation and Park District (Resolution No. 02272027, approved 3/6/2017), Running Springs Water District (Resolution No. 05-17, approved 3/8/2017), San Bernardino Valley Water Conservation District (Resolution No. 545, approved 3/1/2017), Thunderbird County Water District (Resolution No. 2017-02, approved 3/9/2017), Yucca Valley Airport District (Resolution No. 01-2017, approved 3/8/2017), Baker Valley Unified School District (Resolution No. 030917, approved 3/9/2017), and Chaffey Community College District (Resolution No. 111616, approved 11/16/2016); and

WHEREAS, as required by Elections Code sections 10404(c), 10404.5(c), and 10405.7(c), the Clerk of the Board of Supervisors sent notices to all the special districts, school districts, community college districts, and county boards of education that could be affected by the proposed consolidations and requested their input on the effects of the consolidations; and

I, **LAURA H. WELCH**, Clerk of the Board of Supervisors of the County of San Bernardino, State of California, hereby certify the foregoing to be a full, true, and correct copy of the record of the action taken by the Board of Supervisors, by vote of the members present, as the same appears in the Official Minutes of said Board at its meeting of May 23, 2017.

LAURA H. WELCH
Clerk of the Board of Supervisors

By _____
Deputy



Interoffice Memo

DATE: May 2, 2017

PHONE: 387-2100

FROM: MICHAEL SCARPELLO
Registrar of Voters

TO: LAURA WELCH
Clerk of the Board

SUBJECT

**IMPACT ANALYSIS OF PROPOSED CHANGES IN ELECTION DATES FOR
DISTRICTS MOVING FROM ODD-NUMBERED TO EVEN-NUMBERED YEARS**

On November 16, 2016, Chaffey Community College District requested a change in its election cycle from the consolidated elections held in November of odd-numbered years to the statewide primary elections held in even-numbered years.

After receiving the request, the Clerk of the Board (COB):

- Notified all affected jurisdictions that a request was made.
- Requested that the Registrar of Voters (ROV) prepare an impact analysis.
- Prepared to submit an agenda item for the Board of Supervisors (Board) to consider.

After the COB notified the jurisdictions affected by Chaffey's request, it received additional requests to change election cycles from the following twenty-three jurisdictions:

1. Apple Valley Foothill County Water District
2. Apple Valley Heights County Water District
3. Arrowbear Park County Water District
4. Baker Valley Unified School District
5. Barstow Heights Community Services District
6. Bighorn-Desert View Water Agency
7. Chino Valley Independent Fire District
8. Crestline-Lake Arrowhead Water Agency
9. Crestline Sanitation District
10. Crestline Village Water District
11. Daggett Community Services District
12. East Valley Water District
13. Helendale Community Services District
14. Juniper-Riviera County Water District

jurisdictions will still change from previous years due to 1) an increase in registered voters and mail ballot voters; 2) an increase in the labor costs due to changes in the temporary staffing contracts; and 3) changes in indirect costs (i.e., overhead) rates.

This analysis contains the following sections:

- A) Impact on the Jurisdictions Making the Requests
- B) Impact on Other Jurisdictions
- C) Impact on San Bernardino County
- D) Impact of Senate Bill 415
- E) ROV's Recommendation
- F) Summary Table of Financial Impacts to Election Billing (Appendix A).

A) Impact on the Jurisdictions Making the Requests

If the requests to change election cycles are denied:

- We project that these jurisdictions will experience a combined increase in election billings of \$345,740 in 2017 when compared to their actual billings in 2015.

If the requests to change election cycles are approved:

- We project that these jurisdictions will experience a combined decrease in election billings of \$932,900 in 2018 when compared to their estimated billings for 2017.
- These jurisdictions will incur a combined one-time cost of approximately \$160,000 to notify all voters affected by the change in election cycles.
- The terms of all current Board Members in these jurisdictions will be extended by one year.

B) Impact on Other Jurisdictions

B1) Jurisdictions Currently in the Statewide Elections held in Even-Numbered Years

If the requests to change election cycles are denied:

- We project that the jurisdictions will experience a combined decrease in election billings of approximately \$135,775 in 2018 when compared to their actual billings in 2014.

If the requests to change election cycles are approved:

- We project that the jurisdictions will experience a combined increase in election billings of approximately \$283,636 in 2018.

B2) City of San Bernardino

If the requests to change election cycles are denied:

- We project that the City of San Bernardino will experience a decrease in election billing of approximately \$139,557 in 2018 when compared to their actual billing in 2015. *(Note: Because San Bernardino changed its charter, this analysis and this estimate assumes that their future request to move elections will be approved.)*

D) Impact of Senate Bill 415

An additional piece of information to be aware of is that Chaffey's original request cited a new law, SB 415, as justification for making its request. SB 415 states that jurisdictions who hold elections in the odd-numbered years and experience a significant decrease in voter turnout are required to move their elections to a statewide election held in the even-numbered years. SB 415 defines significant decrease in voter turnout as turnout that is 25 percent less than the average turnout in the last four statewide general elections.

In order for jurisdictions with a significant decrease in voter turnout to be in compliance with SB 415, jurisdictions have two options: 1) Move their November 5, 2019, election to a statewide election held in the even-numbered years; or 2) Adopt a plan by January 1, 2018, to consolidate future elections with a statewide election held in the even-numbered years and implement the plan on or before the November 8, 2022, statewide general election.

Therefore, Chaffey's citation of SB 415 as justification for moving its election date was premature because it didn't need to move until 2019. Nonetheless, this justification is unnecessary because any jurisdiction has the right to request a move in its election dates for any reason.

Furthermore, although SB 415 is irrelevant to the current requests, the ROV believes that all districts within the county will eventually be required by SB 415 to move their governing board member elections to statewide elections held in the even-numbered years. In the future, we expect to receive requests from six additional districts to move their governing board member elections to statewide elections held in the even-numbered years. Of these six districts, three hold their governing board member elections in August of the odd-numbered years and three hold elections in November of the odd-numbered years.

If the six expected requests to change election cycles are also approved, we project that the County will experience a significant decrease in revenue due to the eventual elimination of both the August and November elections, which are both one-hundred percent billable.

E) ROV's Recommendation

The ROV can produce a ballot which contains all of the ballot styles required if the jurisdictions listed above move to the statewide elections in even-numbered years, and the voting equipment and computer capacity can handle such a move. Therefore, the ROV has no objection to the approval of the jurisdictions' requests.

AGENDA ITEM # 8



Hydrogeologic Support for Recharge Feasibility Evaluation
BDVWA Linn Road Parcel
NE Corner of Linn Road and Kickapoo Trail
Landers, CA

Percolation Test Report

Prepared For: Mojave Water Agency
Prepared By: Merrell Johnson Companies

Merrell Johnson



May 9, 2017

Mr. Tony Winkel, Senior Hydrogeologist

Mojave Water Agency
13846 Conference Center Drive
Apple Valley, CA 92307

Re: Hydrogeologic Support for Recharge Feasibility Evaluation | BDVWA Linn Road Parcel I NE Corner of Linn Road and Kickapoo Trail | Landers, California | MJ Project No. 2218.040.100

Reference: Riverside County - Low Impact Development BMP Design Handbook, September 2011 (Percolation Test Procedures)

Mr. Winkel:

In accordance with your authorization, we performed percolation testing for the above-referenced project. The Mojave Water Agency (MWA) specified the locations/depths of the test borings, and requested we use the referenced Riverside County percolation testing procedures.

We trust that the enclosed information will be useful for the design and construction phases of this project. If you have questions, please do not hesitate to contact our firm.

Sincerely,

Merrell Johnson Companies

A handwritten signature in black ink, appearing to read "Brad S. Merrell".

Brad S. Merrell, P.E.
President

R.C.E. 49423 Exp. 09/30/18



A handwritten signature in black ink, appearing to read "Chris Langdon".

Chris Langdon, Project Manager

Contents

| | |
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| Subsurface Conditions..... | 2 |
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| Infiltration Rate..... | 3 |
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Appendices

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| Figure 1 | Site Vicinity |
| Figure 2 | Boring Location Plots |
| Figure 3 | Infiltration Rate Graph/Values |
| Figure 4 | Site Photos |
| Appendix B | Exploratory Logs |
| Appendix C | Percolation Test Data Sheets |

Project Description

The BDVWA Parcel site is being evaluated as possible location for a water recharge basin. To assist in this evaluation, percolation testing was needed to provide soil percolation and infiltration rates in the vicinity of the proposed basin. The BDVWA site is located at the northeast corner of Linn Road and Kickapoo Trail in the Landers area of San Bernardino County.

Representatives of the Mojave Water Agency selected three percolation tests boring locations and specified the depths for each test. We understand the locations selected are within the approximate limits of the potential basin boundaries. The location of the BDVWA site is shown on the Site Vicinity Map, Figure 1. Site photos are included as Attachment C.

This report was written specifically for this project as described in this report. It is intended to be used by the Mojave Water Agency and associated design professionals in the development of this project. Additional consultation may be prudent to interpret these findings for contractors, or possibly refine these recommendations based upon the conditions encountered during construction.

Scope of Services

Subsurface conditions were explored by drilling three test 8-inch diameter borings on the BDVWA site. Boring 1 was drilled to a depth of 45 feet, Boring 2 to 10 feet, and Boring 3 to 40 feet below the existing ground surface. Our field engineer observed the soil conditions encountered during the drilling and visually classified the soils encountered. His observations are presented on the attached exploratory logs (Appendix A).

Percolation testing was then performed in all three of the borings. The locations of the three percolation tests are illustrated on Figure 2. The results of the percolation tests are presented on the Percolation Test Data Sheets (Appendix C).

The infiltration rates were calculated from the results of the percolation tests. The results of the infiltration rate calculations and a graph illustrating these results in presented on Figure 3.

Subsurface Conditions

The test borings at the BDVWA site revealed the site is blanketed with 15 to 20 feet of crudely stratified layers of sand (SP) and sand with silt (SP-SM) underlain by weathered basaltic bedrock. The weathered basalt was encountered at a depth of 20 feet in Boring 1 and 15 feet in Boring 3. The basalt became less weathered and darker in color at a depth of about 40 feet. The drill-rig was not able to penetrate the bedrock in Borings 1 and 3 below the depths of 45 and 40 feet, respectively. A sample of the weathered basalt was obtained in Boring 3 at a depth of 30 feet. The samples was placed in a glass jar and delivered to the Mojave Water Agency for possible analytical testing.

No groundwater was encountered in any of the test borings.

Percolation Testing

The percolation rate is the approximate rate water moves through a soil/bedrock matrix. The Mojave Water Agency specified the method of percolation testing to use for this project. The source of the specified method is Riverside County's Low Impact Development BMP Design Handbook (rev. 9/2011). Our percolation testing procedures conformed to this specification and is summarized below.

Upon completion of the drilling a 3-inch diameter perforated PVC pipe, covered with a filter fabric sock, was inserted into the holes. Following removal of the augers, Boring Nos. 1 (45'), 2 (10'), and 3 (40') were pre-soaked to a depth of 4 feet below the existing ground surface (measured from a fixed reference point). A 1.5-inch diameter hose, connected to a water truck, provided the water for pre-soaking and percolation testing.

Percolation testing was performed for Borings 1, 2, and 3 the following morning after pre-soaking the holes. To perform the tests, Boring 1 was filled to the soil bedrock contact

encountered at a depth of approximately 20 feet; Borings 2 and 3 were filled with water to a depth of approximately four feet. The test in Boring 1 (20' to 45') measured the percolation rate of the weathered basalt, Boring 2 (4' to 10') measured the percolation rate of the soil, and Boring 3 (4' to 40') measured the percolation rate of the soil and underlying basalt. For each boring, after the initial measurement, water was allowed to seep for a period of 25 minutes before being remeasured. This procedure was performed twice for each boring. The holes were refilled between each test interval. At all the test locations, the measurements showed that more than 6 inches of water seeped away within each 25 minute test interval, thereby meeting the criteria for the sandy soil percolation testing procedure.

In accordance with the sandy soil criteria, the percolation tests were run for an additional hour with measurements taken every 10 minutes. The water levels were refilled between each test increment. The measurements were taken with a precision of 0.25 inch from a fixed reference point at the top of each hole and recorded. The test data and calculated percolation rates are shown on the Percolation Test Data Sheets, Attachment B.

The percolation rates for the last 10-minute interval reading recorded at each of the three test locations are listed below:

1. 0.07 min/in - BDVWA Site (45') - Test performed in weathered basalt below 20'
2. 0.20 min/in - BDVWA Site (10') - Test performed in soil
3. 0.05 min/in - BDVWA Site (40') - Test performed in soil & weathered basalt

Infiltration Rate

The infiltration rate is the rate that water moves into the soil surface. The data obtained during the above-described percolation testing was used to calculate the infiltration rate. The "Porchet Method", referenced in Riverside County's Low Impact Development BMP Design Handbook (rev. 9/2011), for deriving an approximate infiltration rate using percolation test data was used herein to calculate the approximate infiltration rates. The

results of the infiltration rate calculations, including a graph illustrating the results of each 10 minute test increment, is shown on Figure 3.

The infiltration rates for the last 10-minute interval reading recorded at each of the three test locations are listed below:

1. 7.93 in/hr. - BDVWA Site (45')
2. 12.62 in/hr. - BDVWA Site (10')
3. 7.66 in/hr. - BDVWA Site (40')

Conclusion

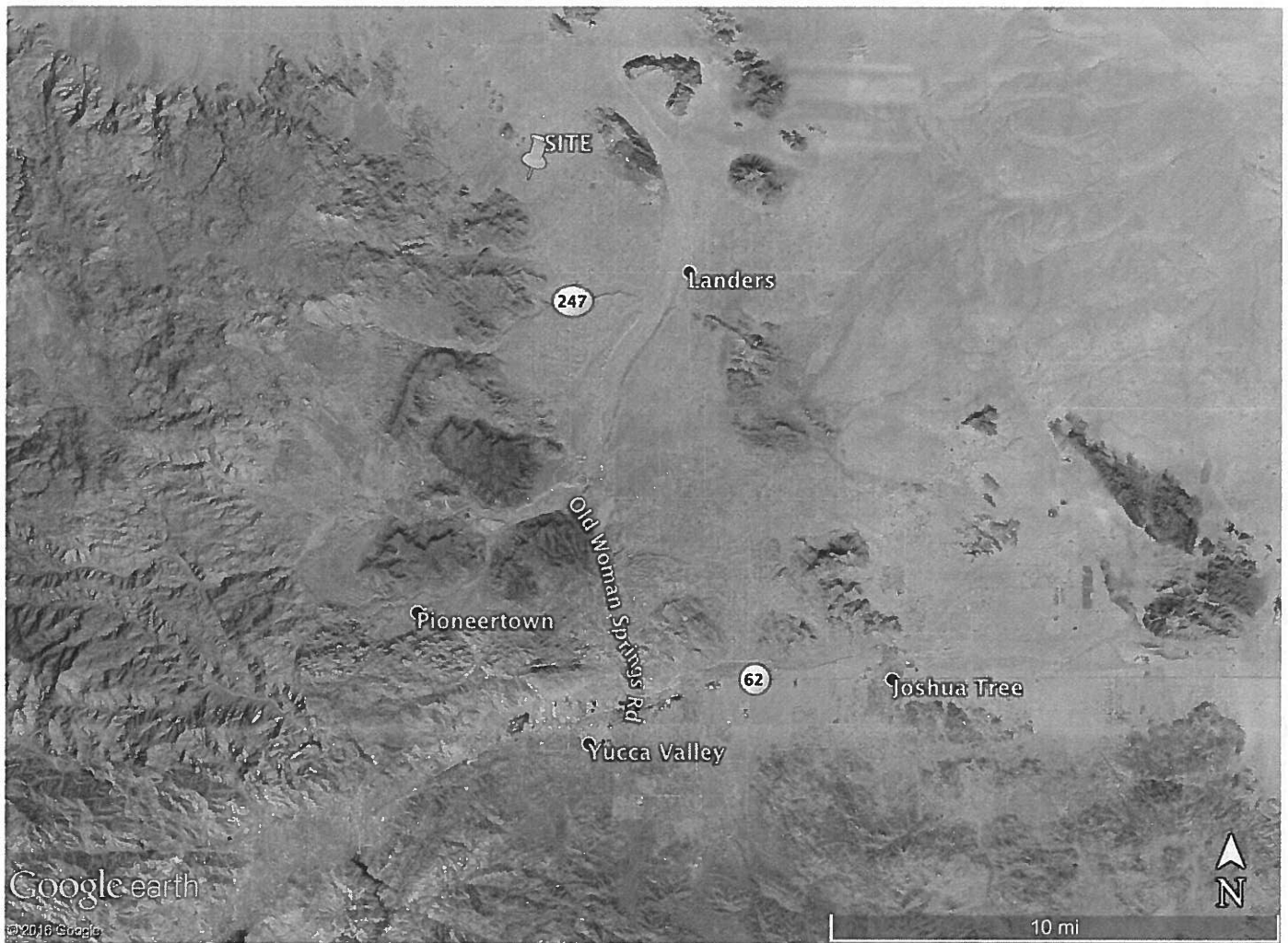
The test borings at the BDVWA site revealed the site is blanketed with 15 to 20 feet of crudely stratified layers of sand (SP) and sand with silt (SP-SM) underlain by weathered basaltic bedrock. The percolation rates at all three locations met the criteria for using the sandy soil testing procedures.

Appendix A

Figures

May 9, 2017
Hydrogeologic Support for Recharge Feasibility Evaluation, BDVWA Linn Road Site, Landers, CA
Percolation Test Report
MJ Project No. 2218.040.100

Merrill John



May 9, 2017
Hydrogeologic Support for Recharge Feasibility Evaluation, BDVWA Linn Road Site, Landers, CA
Percolation Test Report
MJ Project No. 2218.040.100
Figure 1 - Site Vicinity Map



May 9, 2017
Hydrogeologic Support for Recharge Feasibility Evaluation, BDVWA Linn Road Site, Landers, CA
Percolation Test Report
MJ Project No. 2216.040.100
Figure 2 - Boring Location Plots

Infiltration Rate Values

| B1 (150') | B2 (40') | B3 (10') |
|-----------|----------|----------|
| 8.77 | 15.03 | 8.55 |
| 8.80 | 15.03 | 7.66 |
| 8.36 | 13.79 | 7.95 |
| 7.93 | 12.62 | 7.66 |
| 7.93 | 12.62 | 7.37 |
| 7.93 | 12.62 | 7.66 |

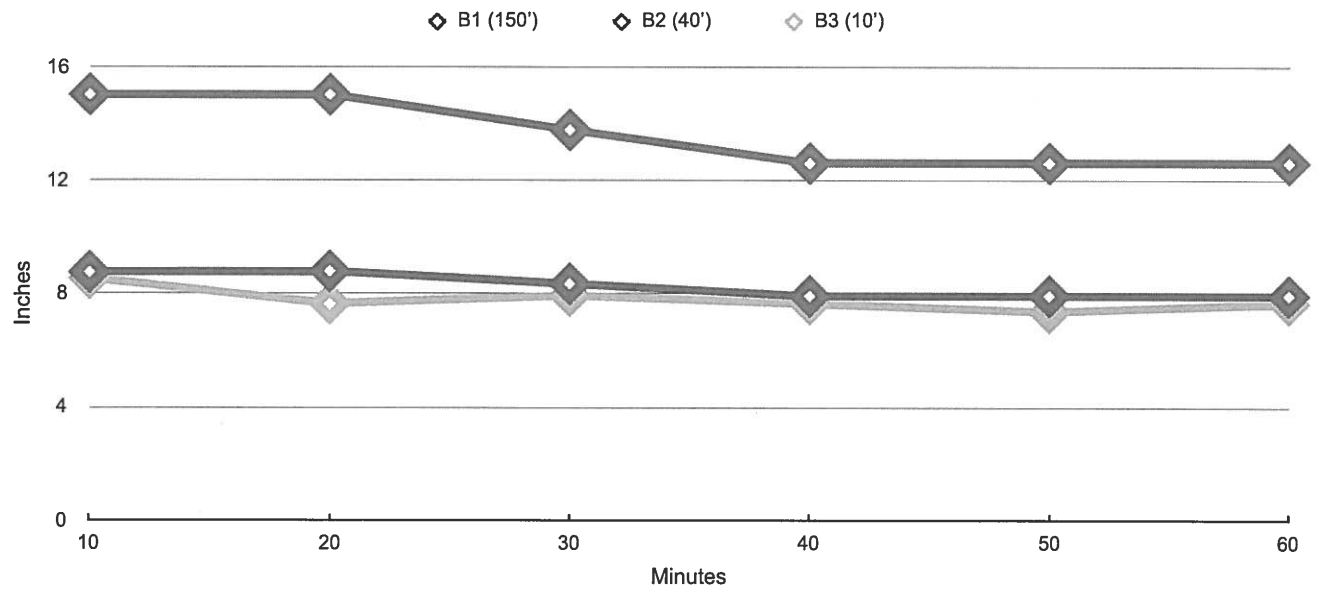


Figure 4

Site Photos

May 9, 2017
Hydrogeologic Support for Recharge Feasibility Evaluation, BDVWA Linn Road Site, Landers, CA
Percolation Test Report
MJ Project No. 2218.040.100

Merrill John

Date & Time: Fri Apr 28 08:31:39 PDT 2017

Position: +034.29582° / -116.45643°

Altitude: 3397ft

Datum: WGS-84

Azimuth/Bearing: 278° N82W 4942mils (True)

Elevation Angle: +06.9°

Horizon Angle: -00.6°

Zoom: 1X

B1



Date & Time: Fri Apr 28 08:37:06 PDT 2017
Position: +034.29698° / -116.45660°
Altitude: 3387ft
Datum: WGS-84
Azimuth/Bearing: 319° N41W 5671mils (True)
Elevation Angle: -55.0°
Horizon Angle: -00.4°
Zoom: 1X
BI-5-SP



Date & Time: Fri Apr 28 08:40:05 PDT 2017

Position: +034.29597° / -118.45634°

Altitude: 3389ft

Datum: WGS-84

Azimuth/Bearing: 217° S37W 3858mils (True)

Elevation Angle: -50.0°

Horizon Angle: +00.8°

Zoom: 1X

B1-10'-SPSM



Date & Time: Fri Apr 28 08:45:31 PDT 2017

Position: +034.29621° / -116.45656°

Altitude: 3381ft

Datum: WGS-84

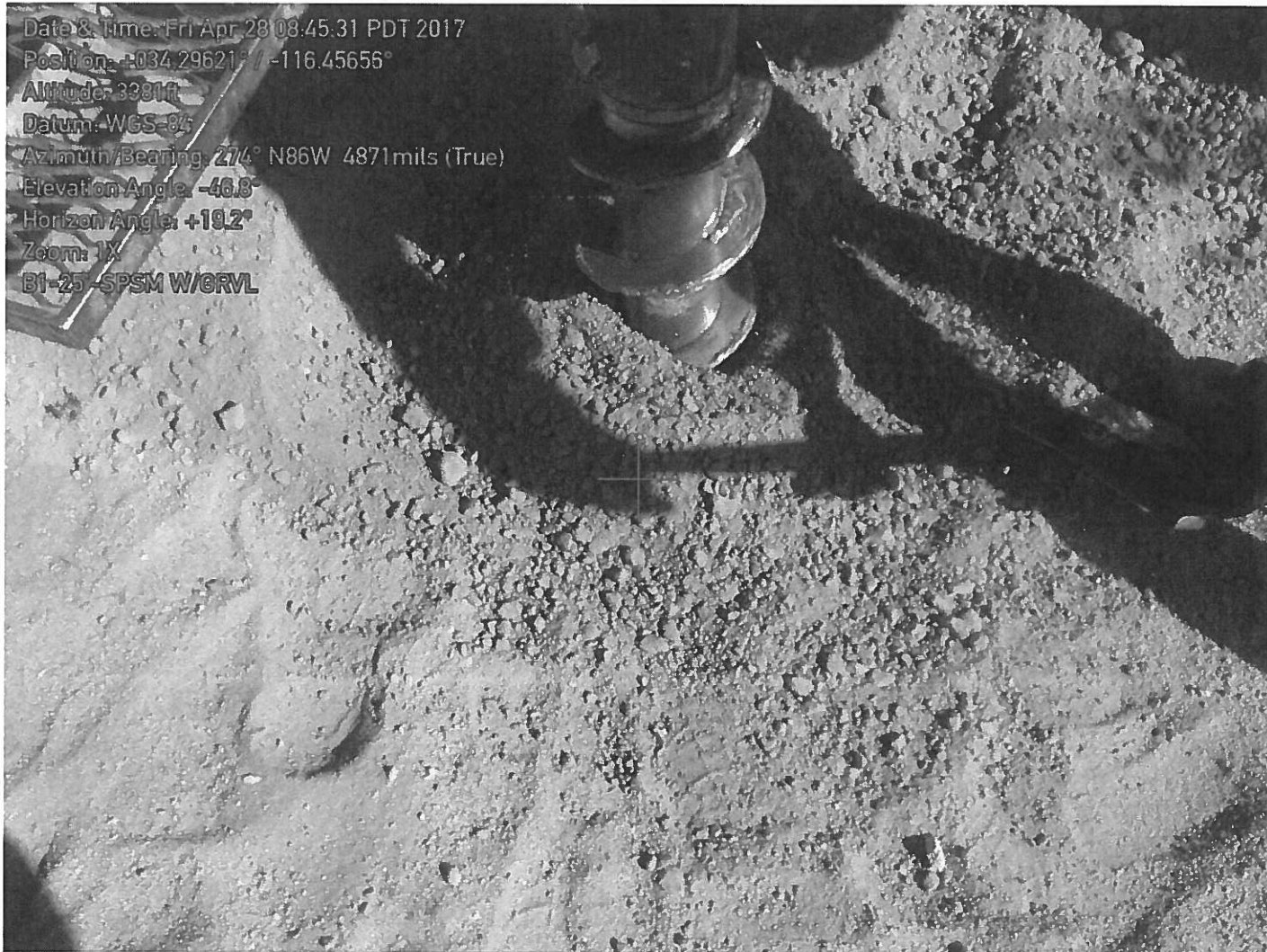
Azimuth/Bearing: 274° N86W 4871mils (True)

Elevation Angle: -46.8°

Horizon Angle: +19.2°

Zoom: 1X

B1-25-SPSM W/GRVL



Date & Time: Fri Apr 28 08:50:56 PDT 2017

Position: +034.29582° / -116.45665°

Altitude: 3405ft

Datum: WGS-84

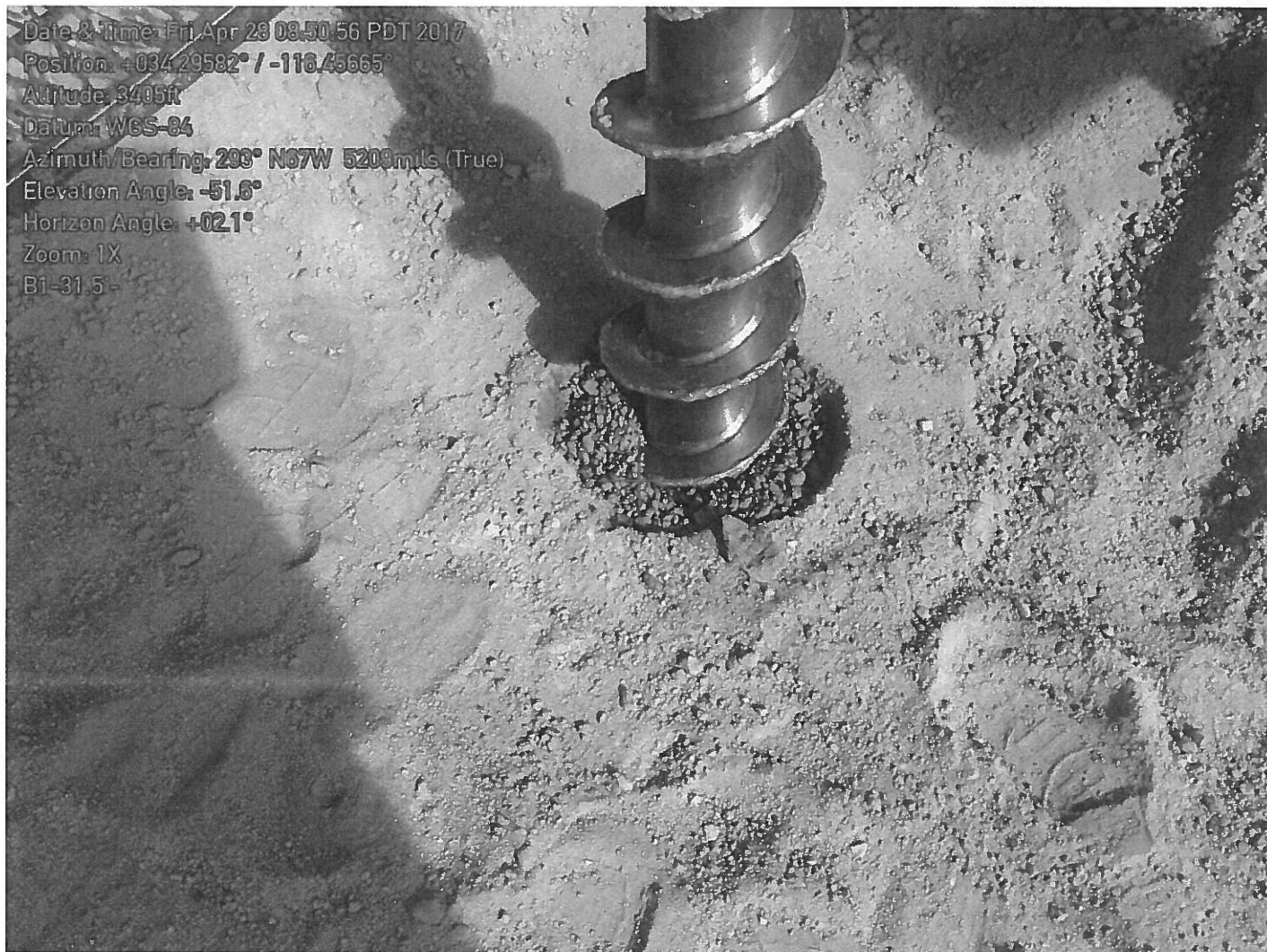
Azimuth/Bearing: 293° N67W 5209mils (True)

Elevation Angle: -51.6°

Horizon Angle: +02.1°

Zoom: 1X

B1-31.5-



Date & Time: Fri Apr 28 08:53:25 PDT 2017

Position: +034.29579° / -116.45663°

Altitude: 3390ft

Datum: WGS-84

Azimuth/Bearing: 139° S41E 2471mils (True)

Elevation Angle: -83.7°

Horizon Angle: +60.6°

Zoom: 1X

B1-35'-Pocket of gravel-Dark Red color



Date & Time: Fri Apr 28 08:58:25 PDT 2017

Position: +034.29579° / -116.45664°

Altitude: 3412ft

Datum: WGS-84

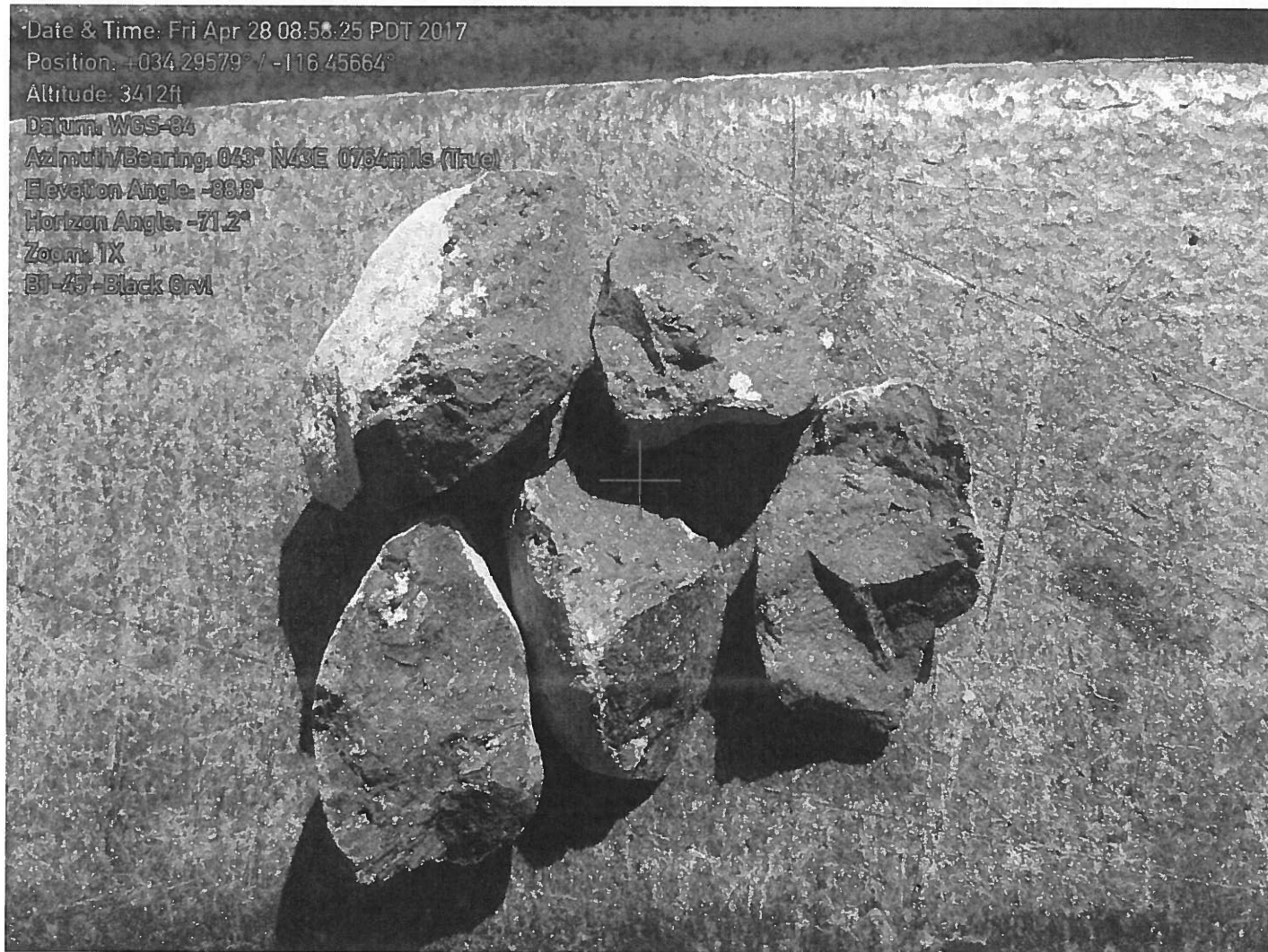
Azimuth/Bearing: 043° N43E 0764m ls (True)

Elevation Angle: -88.8°

Horizon Angle: -71.2°

Zoom: 1X

BI-45-Black Owl



Date & Time: Fri Apr 28 08:59:43 PDT 2017

Position: $+034.29580^{\circ}$ / -116.45665°

Altitude: 3415ft

Datum: WGS-84

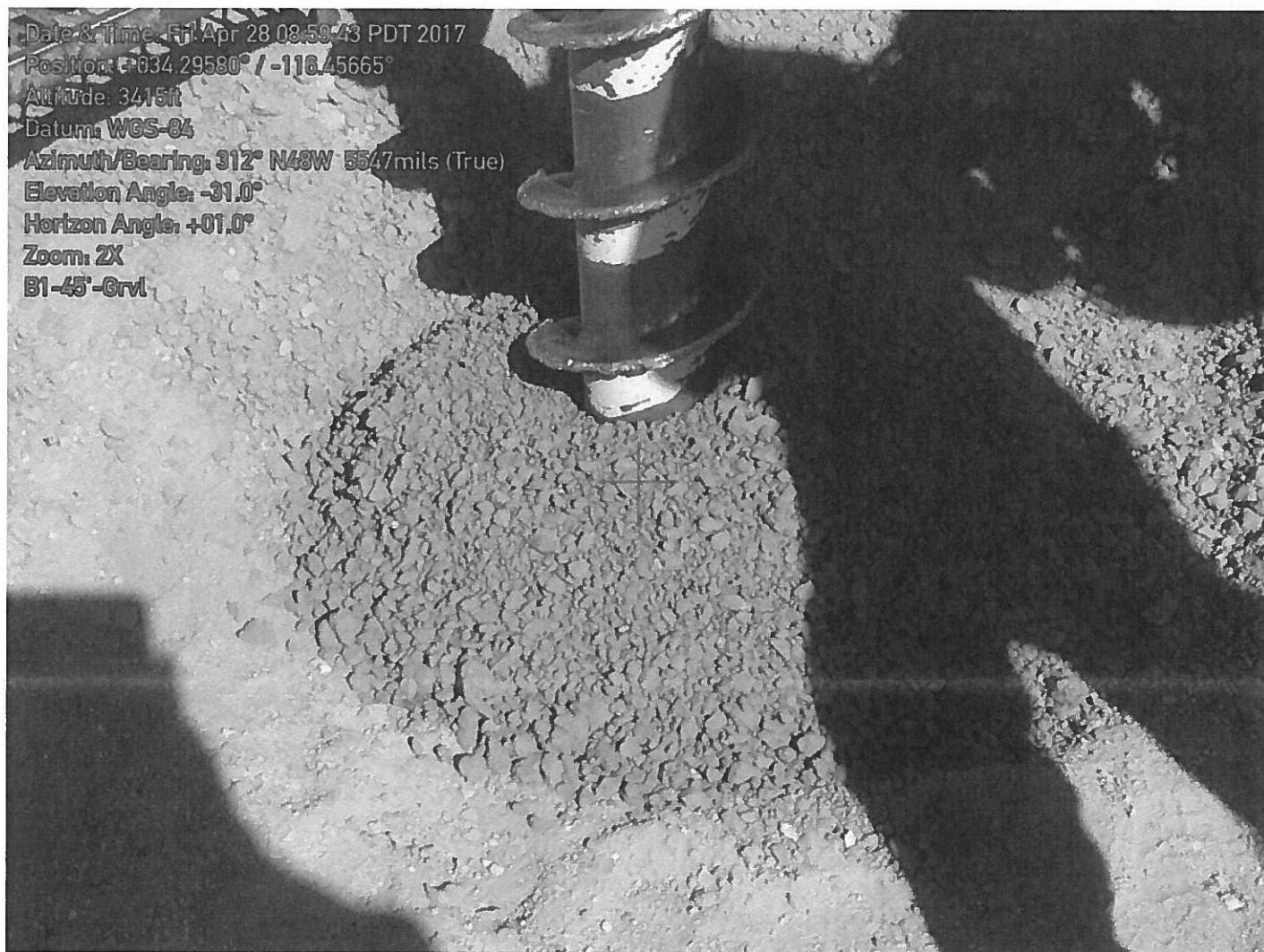
Azimuth/Bearing: 312° N48W 5547mils (True)

Elevation Angle: -31.0°

Horizon Angle: $+01.0^{\circ}$

Zoom: 2X

B1-45'-Grvl



Date & Time: Fri Apr 28 10:22:19 PDT 2017

Position: +034.29583° / -116.45599°

Altitude: 3354ft

Datum: WGS-84

Azimuth/Bearing: 144° S36E 2560mils (True)

Elevation Angle: -47.3°

Horizon Angle: +03.7°

Zoom: 1X

B3- 10'-SPSM



Date & Time: Fri Apr 28 10:30:09 PDT 2017

Position: +034.29586° / -116.45599°

Altitude: 3349ft

Datum: WGS-84

Azimuth/Bearing: 173° S07E 3076mils (True)

Elevation Angle: -69.6°

Horizon Angle: +01.5°

Zoom: 2X

B3- 18'-SPSM-Dry-BedRoc



Date & Time: Fri Apr 28 10:31:50 PDT 2017

Position: +034 29585° / -116 45599°

Altitude: 3347ft

Datum: WGS-84

Azimuth: +079° +1404mils

Elevation Angle: +36.8°

Horizon Angle: +85.6°

Zoom: 1X

B3-25'-SPSM-Dry-BedRoc



Date & Time: Fri Apr 28 10:42:41 PDT 2017

Position: +034.29587° / -116.45599°

Altitude: 3349ft

Datum: WGS-84

Azimuth: +110° +1956mils

Elevation Angle: +42.0°

Horizon Angle: +88.2°

Zoom: 1X

B3- 33 -BedRock



Date & Time: Fri Apr 28 10:47:55 PDT 2017

Position: +034.29586° / -116.45606°

Altitude: 3387ft

Datum: WGS-84

Azimuth: +102° +1813mils

Elevation Angle: +34.4°

Horizon Angle: +87.2°

Zoom: 1X

B3- 38'-BedRock-



Merrell John

Appendix B

Exploratory Logs

May 9, 2017
Hydrogeologic Support for Recharge Feasibility Evaluation, BDVWA Linn Road Site, Landers, CA
Percolation Test Report
MJ Project No. 2218.040.100
















Soil Classification Key

Unified Soil Classification System (USCS) and Particle Size Limits

Report Date: _____ of _____
 Sheet: _____
 Appendix: _____
 Permit No: _____
 Client Project No: _____
 Other: _____
 DSA File No: _____
 DSA Application No: _____
 DSA LEA No: _____

Project Number: _____
 Project Title: _____
 Project Location: _____
 Client: _____

Unified Soil Classification System (USCS)

| | | | | | |
|--|--|--|----|---|--|
| Coarse Grained Soils More Than 50% Is Larger Than No. 200 Sieve | Gravel and Gravelly Soils More Than 50% Retained on No. 4 Sieve | Clean Gravels Little Or No Fines | GW |  | Well-graded gravels, gravel-sand mixtures, little or no fines |
| | | | GP |  | Poorly-graded gravels, gravel-sand mixtures, little or no fines |
| | | Gravels w/ Fines Appreciable Amount | GM |  | Silty gravels, gravel-sand-silt mixtures |
| | | | GC |  | Clayey gravels, gravel-sand-clay mixtures |
| | Sand and Sandy Soils More Than 50% Passing No. 4 Sieve | Clean Sand Little Or No Fines | SW |  | Well-graded sands, gravelly sands, little or no fines |
| | | | SP |  | Poorly-graded sands, gravelly sands, little or no fines |
| | | Sands w/ Fines Appreciable Amount | SM |  | Silty-sands, sand-silt mixtures |
| | | | SC |  | Clayey sands, sand-clay mixtures |
| Fine Grained Soils More Than 50% Is Smaller Than No. 200 Sieve | Silts and Clays Liquid Limit Less Than 50 | | ML |  | Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity |
| | | | CL |  | Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays |
| | | | OL |  | Organic silts and organic silty clays of low plasticity |
| | Silts and Clays Liquid Limit Greater Than 50 | | MH |  | Inorganic silts, micaceous or diatomaceous fine sand or silty soils |
| | | | CH |  | Inorganic clays of high plasticity, fat clays |
| | | | OH |  | Organic clays of medium to high plasticity, organic silts |
| | Highly Organic Soils | | PT |  | Peat, humus, swamp soils with high organic contents |

Particle Size Limits

| Divison | Silt or Clay | Sand | | | Gravel | | Cobbles | Boulders |
|------------|--------------|--------|--------|--------|--------|--------|---------|----------|
| | | Fine | Medium | Coarse | Fine | Coarse | | |
| U.S. Sieve | No. 200 | No. 40 | No. 10 | No. 4 | 3/4" | 3" | 12" | |
| Grain (mm) | 0.075 | 0.420 | 2.00 | 4.76 | 19.1 | 76.2 | 305 | |

Soils possessing characteristics of two classifications are designated by group symbol combination. Soils may be classified initially using the visual manual procedure prior to laboratory test.



engineering | surveying | testing | inspection

Exploratory Log



ASTM D5434, D1452, D1586, D1587, D2488 (USCS), D3550

Report Date: 05/05/17
 Sheet: 1 of 2
 Appendix:
 Permit No:
 Client Project No:
 USA Ticket No:
 DSA File No:
 DSA Application No:
 DSA LEA No:

Project Number: 2218.040.100
 Project Title: BDVWA Parcel
 Project Location: Linn Road & Kickapoo Trail, Landers, CA
 Client: Mojave Water Agency

Location No: B1 Start Date/Time: 4.28.17 End Date/Time: 4.28.17

Conducted By: 2R Drilling Co. Excavation Type: Auger Hole Elevation: None
 Operator: Nick Dimensions: 8"x 45' Groundwater: None
 Equipment Type: LAR CME 75 Advance Assist: None Recent Weather: Clear
 Drive Weight (lb): 140 Field Tests: SPT Sampler Insertion: Driven
 Drive Drop (in): 30 Shoring Type: None Preservation: D4220

| Depth (ft) | 'N' Value | Sample ⁽¹⁾ | Moisture (%) | Density (pcf) | Class (USCS) | Graphic | Description / Comments | Lab Tests ⁽²⁾ |
|------------|-----------|-----------------------|--------------|---------------|--------------|---|---|--------------------------|
| 0 | | | | | SP-SM |  | Light brown poorly graded sand with silt and trace of gravel, loose and dry to 2 feet Medium dense and slightly moist below 2 feet | |
| 5 | | | | | | | | |
| 10 | | | | | | | | |
| 15 | | | | | | | | |
| 20 | | | | | Bedrock |  | Dark gray-brown weathered basaltic bedrock below 20' , dense, dry Difficult drilling | |
| 25 | | | | | | | | |

Comments:

(1)  =Bulk  =Driven
 (2) DS =Direct Shear EI =Expansion Index SA =Sieve Analysis CR =Corrosion MD =Max Density RV =R-Value AL =Atterberg Limits SE =Sand Equivalent CN =Consolidation TD =Tube Density



engineering | surveying | testing | inspection

Exploratory Log

ASTM D5434, D1452, D1586, D1587, D2488 (USCS), D3550

Report Date: 05/05/17
 Sheet: 2 of 2
 Appendix:
 Permit No:
 Client Project No:
 USA Ticket No:
 DSA File No:
 DSA Application No:
 DSA LEA No:

Project Number: 2218.040.100
 Project Title: BDVWA Parcel
 Project Location: Linn Road & Kickapoo Trail, Landers, CA
 Client: Mojave Water Agency

Location No: B1.1 Start Date/Time: 4.28.17 End Date/Time: 4.28.17

Conducted By: 2R Drilling Co. Excavation Type: Auger Hole Elevation:
 Operator: Nick Dimensions: 8"x 45' Groundwater: None
 Equipment Type: LAR CME 75 Advance Assist: None Recent Weather: Clear
 Drive Weight (lb): 140 Field Tests: SPT Sampler Insertion: Driven
 Drive Drop (in): 30 Shoring Type: None Preservation: D4220

| Depth (ft) | 'N' Value | Sample ⁽¹⁾ | Moisture (%) | Density (pcf) | Class (USCS) | Graphic | Description / Comments | Lab Tests ⁽²⁾ |
|------------|-----------|-----------------------|--------------|---------------|--------------|---------|--|--------------------------|
| 30 | | | | | Bedrock | | Dark gray-brown weathered basaltic bedrock, dense, dry | |
| 35 | | | | | | | | |
| 40 | | | | | Bedrock | | Dark gray to black basaltic bedrock below 40' very dense, dry, very difficult drilling | |
| 45 | | | | | | | End Boring at 45 feet - Drilling Refusal, No Groundwater | |
| 50 | | | | | | | | |
| 55 | | | | | | | | |

Comments:

(1)  =Bulk  =Driven
 (2) DS =Direct Shear EI =Expansion Index SA =Sieve Analysis CR =Corrosion MD =Max Density RV =R-Value AL =Atterberg Limits SE =Sand Equivalent CN =Consolidation TD =Tube Density



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Exploratory Log


ASTM D5434, D1452, D1586, D1587, D2488 (USCS), D3550

Report Date: 05/05/17
 Sheet: 1 of 1
 Appendix:
 Permit No:
 Client Project No:
 USA Ticket No:
 DSA File No:
 DSA Application No:
 DSA LEA No:

Project Number: 2218.040.100
 Project Title: BDVWA Parcel
 Project Location: Linn Road & Kickapoo Trail, Landers, CA
 Client: Mojave Water Agency

Location No: B2 Start Date/Time: 4.28.17 End Date/Time: 4.28.17

Conducted By: 2R Drilling Co. Excavation Type: Auger Hole Elevation:
 Operator: Nick Dimensions: 8"x10' Groundwater: None
 Equipment Type: LAR CME 75 Advance Assist: None Recent Weather: Clear
 Drive Weight (lb): 140 Field Tests: SPT Sampler Insertion: Driven
 Drive Drop (in): 30 Shoring Type: None Preservation: D4220

| Depth (ft) | 'N' Value | Sample ⁽¹⁾ | Moisture (%) | Density (pcf) | Class (USCS) | Graphic | Description / Comments | Lab Tests ⁽²⁾ |
|------------|-----------|-----------------------|--------------|---------------|--------------|---|---|--------------------------|
| 0 | | | | | SP-SM |  | Light brown poorly graded sand with silt and a trace of gravel, loose and dry to medium dense and slightly moist below 2 feet | |
| 5 | | | | | | | | |
| 10 | | | | | | | End Boring at 10 feet, No Groundwater | |
| 15 | | | | | | | | |
| 20 | | | | | | | | |
| 25 | | | | | | | | |

Comments:

(1)  =Bulk  =Driven (2) DS =Direct Shear EI =Expansion Index SA =Sieve Analysis CR =Corrosion MD =Max Density RV =R-Value AL =Atterberg Limits SE =Sand Equivalent CN =Consolidation TD =Tube Density



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Exploratory Log



ASTM D5434, D1452, D1586, D1587, D2488 (USCS), D3550

Report Date: 05/05/17
 Sheet: 1 of 2
 Appendix:
 Permit No:
 Client Project No:
 USA Ticket No:
 DSA File No:
 DSA Application No:
 DSA LEA No:

Project Number: 2218.040.100
 Project Title: BDVWA Parcel
 Project Location: Linn Road & Kickapoo Trail, Landers, CA
 Client: Mojave Water Agency

Location No: B3 Start Date/Time: 4.28.17 End Date/Time: 4.28.17

Conducted By: 2R Drilling Co. Excavation Type: Auger Hole Elevation:
 Operator: Nick Dimensions: 8"x 40' Groundwater: None
 Equipment Type: LAR CME 75 Advance Assist: None Recent Weather: Clear
 Drive Weight (lb): 140 Field Tests: SPT Sampler Insertion: Driven
 Drive Drop (in): 30 Shoring Type: None Preservation: D4220

| Depth (ft) | 'N' Value | Sample ⁽¹⁾ | Moisture (%) | Density (pcf) | Class (USCS) | Graphic | Description / Comments | Lab Tests ⁽²⁾ |
|------------|-----------|-----------------------|--------------|---------------|--------------|---|---|--------------------------|
| 0 | | | | | SP-SM |  | Light brown poorly graded sand with silt and a trace of gravel, loose and dry to medium dense and slightly moist below 2 feet | |
| 5 | | | | | | | | |
| 10 | | | | | | | | |
| 15 | | | | | Bedrock |  | Dark gray-brown weathered basaltic bedrock below 15 feet, dense, dry difficult drilling | |
| 20 | | | | | | | | |
| 25 | | | | | | | | |

Comments:

(1)  =Bulk  =Driven (2) DS =Direct Shear EI =Expansion Index SA =Sieve Analysis CR =Corrosion MD =Max Density RV =R-Value AL =Atterberg Limits SE =Sand Equivalent CN =Consolidation TD =Tube Density



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Exploratory Log

ASTM D5434, D1452, D1586, D1587, D2488 (USCS), D3550

Report Date: 05/05/17
Sheet: 2 of 2
Appendix:
Permit No:
Client Project No:
USA Ticket No:
DSA File No:
DSA Application No:
DSA LEA No:

Project Number: 2218.040.100
Project Title: BDVWA Parcel
Project Location: Linn Road & Kickapoo Trail, Landers, CA
Client: Mojave Water Agency

Location No: B3.1 Start Date/Time: 4.28.17 End Date/Time: 4.28.17

Conducted By: 2R Drilling Co. Excavation Type: Auger Hole Elevation: None
Operator: Nick Dimmensions: 8"x 40' Groundwater: None
Equipment Type: LAR CME 75 Advance Assist: None Recent Weather: Clear
Drive Weight (lb): 140 Field Tests: SPT Sampler Insertion: Driven
Drive Drop (in): 30 Shoring Type: None Preservation: D4220

| Depth (ft) | 'N' Value | Sample ⁽¹⁾ | Moisture (%) | Density (pcf) | Class (USCS) | Graphic | Description / Comments | Lab Tests ⁽²⁾ |
|------------|-----------|-----------------------|--------------|---------------|--------------|---------|---|--------------------------|
| 30 | | | | | Bedrock | | Dark gray-brown weathered basaltic bedrock, dense, dry | |
| 35 | | | | | | | | |
| 40 | | | | | Bedrock | | Dark gray to black basaltic bedrock below 40' very dense, dry very difficult drilling, refusal at 40' | |
| 45 | | | | | | | End Boring at 40' feet - Drilling Refusal, No Groundwater | |
| 50 | | | | | | | | |
| 55 | | | | | | | | |

Comments:

(1)  =Bulk  =Driven (2) DS =Direct Shear EI =Expansion Index SA =Sieve Analysis CR =Corrosion MD =Max Density RV =R-Value AL =Atterberg Limits SE =Sand Equivalent CN =Consolidation TD =Tube Density



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Merrell-Johni

Appendix C

Percolation Test Data

May 9, 2017

Hydrogeologic Support for Recharge Feasibility Evaluation, BDVWA Linn Road Site, Landers, CA
Percolation Test Report

MJ Project No. 2218.040.100

Percolation Test Data Sheet

| | | | | | |
|--------------------------------------|------------|---------------------------|------------------|--------|---------|
| Project: | BDVWA Site | Project No: | 2218.040.100 | Date: | 4/29/17 |
| Test Hole No: | 1 | Tested By: | CDL | | |
| Depth of Test Hole, D _T : | 45' | USCS Soil Classification: | Weathered Basalt | | |
| Test Hole Dimensions (inches) | | | | Length | Width |
| Diameter (if round)= | 8" | Sides (if rectangular)= | | | |

Sandy Soil Criteria Test*

| Trial No. | Start Time | Stop Time | Time Interval, (min.) | Initial Depth to Water (in.) | Final Depth to Water (in.) | Change in Water Level (in.) | Greater than or Equal to 6"? (y/n) |
|-----------|------------|-----------|-----------------------|------------------------------|----------------------------|-----------------------------|------------------------------------|
| 1 | 0655 | 0720 | 25 | 240 | 480 (dry) | 240+ | y |
| 2 | 0729 | 0754 | 25 | 246 | 474 | 228 | y |

*If two consecutive measurements show that six inches of water seeps away in less than 25 minutes, the test shall be run for an additional hour with measurements taken every 10 minutes. Other wise, pre-soak (fill) overnight. Obtain at least twelve measurements per hole over at least six hours (approximately 30 minute intervals) with a precision of at least 0.25".

| Trial No. | Start Time | Stop Time | Δt Time Interval (min.) | D _o Initial Depth to Water (in.) | D _f Final Depth to Water (in.) | ΔD Change in Water Level (in.) | Percolation Rate (min./in.) |
|-----------|------------|-----------|-------------------------|---|---|--------------------------------|-----------------------------|
| 1 | 0806 | 0816 | 10 | 228 | 396 | 168 | 0.06 |
| 2 | 0819 | 0829 | 10 | 240 | 402 | 162 | 0.06 |
| 3 | 0834 | 0844 | 10 | 240 | 396 | 156 | 0.06 |
| 4 | 0848 | 0858 | 10 | 240 | 390 | 150 | 0.07 |
| 5 | 0903 | 0913 | 10 | 240 | 390 | 150 | 0.07 |
| 6 | 0916 | 0926 | 10 | 240 | 390 | 150 | 0.07 |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |
| 11 | | | | | | | |
| 12 | | | | | | | |
| 13 | | | | | | | |
| 14 | | | | | | | |
| 15 | | | | | | | |

COMMENTS:

| Percolation Test Data Sheet | | | | | | | |
|---|------------|-----------|---------------------------|---|---|--------------------------------|------------------------------------|
| Project: | BDVWA Site | | Project No: | 2218.040.100 | | Date: | 4/29/17 |
| Test Hole No: | B2 | | Tested By: | CDL | | | |
| Depth of Test Hole, D _r : | 10' | | USCS Soil Classification: | SP-SM | | | |
| Test Hole Dimensions (inches) | | | | | Length | Width | |
| Diameter (if round)= | | 8" | Sides (if rectangular)= | | | | |
| Sandy Soil Criteria Test* | | | | | | | |
| Trial No. | Start Time | Stop Time | Time Interval, (min.) | Initial Depth to Water (in.) | Final Depth to Water (in.) | Change in Water Level (in.) | Greater than or Equal to 6"? (y/n) |
| 1 | 0710 | 0735 | 25 | 48 | 120 (dry) | 72+ | y |
| 2 | 0738 | 0803 | 25 | 48 | 120 (dry) | 72+ | y |
| *If two consecutive measurements show that six inches of water seeps away in less than 25 minutes, the test shall be run for an additional hour with measurements taken every 10 minutes. Other wise, pre-soak (fill) overnight. Obtain at least twelve measurements per hole over at least six hours (approximately 30 minute intervals) with a precision of at least 0.25". | | | | | | | |
| Trial No. | Start Time | Stop Time | At Time Interval (min.) | D _o Initial Depth to Water (in.) | D _r Final Depth to Water (in.) | ΔD Change in Water Level (in.) | Percolation Rate (min./in.) |
| 1 | 0923 | 0933 | 10 | 48 | 105 | 57 | 0.18 |
| 2 | 0936 | 0946 | 10 | 48 | 105 | 57 | 0.18 |
| 3 | 0948 | 0958 | 10 | 48 | 102 | 54 | 0.19 |
| 4 | 1001 | 1011 | 10 | 48 | 99 | 51 | 0.20 |
| 5 | 1013 | 1023 | 10 | 48 | 99 | 51 | 0.20 |
| 6 | 1027 | 1037 | 10 | 48 | 99 | 51 | 0.20 |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |
| 11 | | | | | | | |
| 12 | | | | | | | |
| 13 | | | | | | | |
| 14 | | | | | | | |
| 15 | | | | | | | |
| COMMENTS: | | | | | | | |

| Percolation Test Data Sheet | | | | | | | |
|---|------------|-----------|---------------------------|---|---|--------------------------------|------------------------------------|
| Project: | MWA | | Project No: | 2218.040.100 | | Date: | 4/29/17 |
| Test Hole No: | B3 | | Tested By: | CDL | | | |
| Depth of Test Hole, D _T : | 40' | | USCS Soil Classification: | SP-SM over Basalt | | | |
| Test Hole Dimensions (inches) | | | | Length | Width | | |
| Diameter (if round)= | 8" | | Sides (if rectangular)= | | | | |
| Sandy Soil Criteria Test* | | | | | | | |
| Trial No. | Start Time | Stop Time | Time Interval, (min.) | Initial Depth to Water (in.) | Final Depth to Water (in.) | Change in Water Level (in.) | Greater than or Equal to 6"? (y/n) |
| 1 | 1050 | 1115 | 25 | 84 | 360 | 276 | y |
| 2 | 1121 | 1146 | 25 | 48 | 305 | 257 | y |
| *If two consecutive measurements show that six inches of water seeps away in less than 25 minutes, the test shall be run for an additional hour with measurements taken every 10 minutes. Other wise, pre-soak (fill) overnight. Obtain at least twelve measurements per hole over at least six hours (approximately 30 minute intervals) with a precision of at least 0.25". | | | | | | | |
| Trial No. | Start Time | Stop Time | Δt Time Interval (min.) | D _o Initial Depth to Water (in.) | D _f Final Depth to Water (in.) | ΔD Change in Water Level (in.) | Percolation Rate (min./in.) |
| 1 | 1155 | 1205 | 10 | 48 | 276 | 228 | 0.04 |
| 2 | 1210 | 1220 | 10 | 48 | 258 | 210 | 0.05 |
| 3 | 1227 | 1237 | 10 | 48 | 264 | 216 | 0.05 |
| 4 | 1245 | 1255 | 10 | 48 | 258 | 210 | 0.05 |
| 5 | 1305 | 1315 | 10 | 48 | 252 | 204 | 0.05 |
| 6 | 1322 | 1332 | 10 | 48 | 258 | 210 | 0.05 |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |
| 11 | | | | | | | |
| 12 | | | | | | | |
| 13 | | | | | | | |
| 14 | | | | | | | |
| 15 | | | | | | | |
| COMMENTS: | | | | | | | |

May 9, 2017

Hydrogeologic Support for Recharge Feasibility Evaluation, BDVWA Linn Road Site, Landers, CA

Percolation Test Report

MJ Project No. 2218.040.100

Appendix C | B-3



AGENDA ITEM # 9

Bighorn-Desert View Water Agency

Board of Directors

Michael McBride, President pt.
Larry Coulombe, Director
Judy Corl-Lorono, Secretary
J. Dennis Staley, Director
Terry Burkhart, Director



Agency Office

622 S. Jemez Trail
Yucca Valley, CA 92284-1440

760/364-2315 Phone
760/364-3412 Fax

Marina D West, P.G., General Manager

A Public Agency

www.bdvwa.org

Planning/Legislative/Engineering Grant & Security Committee Regular Meeting Report

Board Meeting Office
1720 N. Cherokee Trail, Landers, CA 92285
Tuesday, April 18, 2016 - 9:15 a.m.

Committee Members: Director Corl-Lorono & Director Burkhart

Call to Order

Director Corl-Lorono called the meeting to order at 9:15 a.m.

Pledge of Allegiance

Led by John Burkhart

Roll Call

Directors: Judy Corl-Lorono
Terry Burkhart

Staff: Marina West
Michelle Corbin

Approval of the Agenda

Director Corl-Lorono and Director Burkhart approved the agenda as presented.

Review Resolution 14R-06 Establishing An Agency Meeting Agenda Preparation Policy.

General Manager West reported the policy is before the Committee because the staff would like to change the posting locations for agendas and other mandatory document postings. New locations may include the "C and J Feed Store" off of Old Woman Springs Road in the Flamingo Heights area, the Well 10 site at Johnson Valley and the bulletin board at the Landers Post Office parking lot. Locations no longer used may include the "Coffee Pot Restaurant" site and Mojave, Haliday and Hero markets.

No public comment.

The Committee directed staff to bring an updated resolution reflecting the proposed posting locations, to the full Board of Directors for consideration.

Conference Call with Mojave Water Agency's Legal/Legislative and Public Information Committee

Update by State Advocate of Issues at the State Level

Carolyn Jensen of KP Public Affairs gave an update on AB 366 and AB 367 (Olberholte) and various Safe Drinking Water bills, which focus on funding issues. Ms. Jensen also spoke briefly on Governor Brown's framework for "Making Conservation a Way of Life". Ed Manning reported on several bills introduced by Assembly Member Frazier relating to water transfers, financing and additional requirements pertaining to construction of a new Delta conveyance facility.

Update by Federal Advocate of Issues at the Federal Level

No report.

No public comment.

Consent Items

- a. Regular PLEGS Meeting Report, February 21, 2017

No public comment.

Director Corl-Lorono and Director Burkhardt approved the report.

Public Participation

No public comment.

Verbal Reports

Committee Member Reports/Comments

None.

General Manager Report

General Manager West reported the Mojave Water Agency will be conducting percolation tests at a property purchased by Bighorn-Desert View Water Agency last year. West also reminded the Committee of the upcoming Morongo Basin Conservation Association "Desert-Wise Landscape Tour".

West also reviewed the current version of the active AB 366 (Olberholte).

Adjournment - Director Corl-Lorono adjourned the meeting at 10:17 a.m.