JOSHUA BASIN WATER DISTRICT
P.O. BOX 675 • 61750 CHOLLITA ROAD • JOSHUA TREE •CA 92252
TELEPHONE (760) 366-8438 FAX (760) 366-9528 www.jbwd.com

JOSHUA BASIN WATER DISTRICT
REGULAR MEETING OF THE BOARD OF DIRECTORS
WEDNESDAY AUGUST 3, 2011 7:00 PM
61750 CHOLLITA ROAD, JOSHUA TREE, CA 92252
AGENDA

1. CALL TO ORDER

2. PLEDGE OF ALLEGIANCE

3. DETERMINATION OF QUORUM

4. APPROVAL OF AGENDA

5. PUBLIC COMMENT: At this time, any member of the public may address the Board on matters within the Board's jurisdiction that are not listed on the agenda. Please use the podium microphone. The Board may not discuss at length or take action on items not on the agenda. During either "Public Comment" Item, please use the podium microphone. State your name and have your information prepared and be ready to provide your comments to the Board. The District is interested and appreciates your comments. A 3-minute time limit may be imposed. Thank you.

6. CONSENT CALENDAR: Items on the Consent Calendar are considered routine in nature and will be adopted in total by one action of the Board of Directors unless any Board Member or any individual or organization interested in one or more consent calendar items wishes to be heard.

Pg. 1-4 A. Approve Minutes of the Regular Board Meeting of July 20, 2011

Pg. 5-35 B. Approve Financial Report for June 2011

Pg. 36-61 7. PRESENTATION BY UNITED STATES GEOLOGICAL SURVEY (USGS)
Recommend that the Board receive a presentation from Peter Martin, USGS, on the status of studies underway by USGS

Pg. 62-65 8. BOARD OF DIRECTORS TO CONSIDER APPROVING RESOLUTION #11-873 FIXING THE RATE OF TAXATION WITHIN ID#2
Recommend that the Board Adopt Resolution #11-873, decreasing the property tax rate for Improvement District #2 from $0.0272 to $0.0240 per $100 of assessed valuation.

Pg. 66-69 9. CAPITAL PROJECTS FOR 2011-2012 AND 2012-2013
Recommend that the Board receive the list of capital projects for information; continue for consideration of financial reserve balances.

Pg. 70-71

10. DONATION OF SCRAP WELL CASINGS FOR 29 PALMS PISTOL & RIFLE CLUB
Recommend that the Board declare as surplus three six-inch 20-foot well casings and authorize transfer to the 29 Palms Pistol & Rifle Club

Pg. 72-74

11. PROJECT PRIORITY LIST

12. COMMITTEE REPORTS
    A: PUBLIC INFORMATION COMMITTEE: Kathleen Radnich, Public Outreach Consultant
    B: AD HOC GENERAL MANAGER PERFORMANCE FACILITATED REVIEW PROCESS: Vice President Reynolds and Director Long:
    C: AD HOC PIPELINE REPLACEMENT FUNDING COMMITTEE; Director Luhrs and Director Wilson

13. PUBLIC COMMENT
At this time, any member of the public may address the Board on matters within the Board's jurisdiction that are <u>not</u> listed on the agenda. Please use the podium microphone. The Board may not discuss at length or take action on items not on the agenda.

14. GENERAL MANAGER REPORT

15. DIRECTORS COMMENTS/REPORTS

16. CLOSED SESSION
    A. At this time, the Board will go into Closed Session to confer with Legal Counsel on existing litigation pursuant to subdivision (a) of Government Code Section 54956.9. (Re Joshua Basin Water District v. Robert Ellis, San Bernardino Superior Court - Joshua Tree District, Case No. CIVMS 900168).
    B. At this time, the Board will go into Closed Session to confer with Legal Counsel on existing litigation pursuant to subdivision (a) of Government Code Section 54956.9. (Re Joshua Basin Water District v. Ironhead LLC a California Limited Liability Company, Praxedes Beard and Does 1 – 10 inclusive, San Bernardino Superior Court - Joshua Tree District, Case No. CIVMS 1100087).

17. REPORT ON CLOSED SESSION

18. ADJOURNMENT

<u>INFORMATION</u>

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

Any person with a disability who requires accommodation in order to participate in this meeting should telephone Joshua Basin Water District at (760) 366-8438, at least 48 hours prior to the meeting in order to make a request for a disability-related modification or accommodation.

Materials related to an item on this Agenda submitted to the Board of Directors after distribution of the agenda packet are available for public inspection in the District's office located at 61750 Chollita Road, Joshua Tree, California 92252 during normal business hours.

JOSHUA BASIN WATER DISTRICT
Minutes of the
REGULAR MEETING OF THE BOARD OF DIRECTORS
July 20, 2011

1. CALL TO ORDER: 7:00 PM

2. PLEDGE OF ALLEGIANCE

3. DETERMINATION OF QUORUM:

Bill Long	Present
Mickey Luckman	Present
Michael Luhrs	Absent
Mike Reynolds	Present
Gary Wilson	Present

STAFF PRESENT: Joe Guzzetta, General Manager
Susan Greer, Assistant General Manager/Controller
Keith Faul, GIS Coordinator
Marie Salsberry, Executive Secretary

CONSULTANTS PRESENT: Gil Granito, District Counsel
Kathleen Radnich, Public Outreach Consultant

GUESTS 25

4. APPROVAL OF AGENDA

MSC Long/Reynolds 4/0 (1 Absent) to approve the Agenda for the July 20, 2011 Regular Meeting of the Board of Directors.

5. PUBLIC COMMENT

Michael McCourt of Joshua Tree commented. The Board had no objection to allow Mr. McCourt to exceed the three minute time limit for his comment, due to an accommodation under the Americans with Disabilities Act. Mr. McCourt commented on Director Luhrs actions and demeanor in the past, during Mr. Luhrs' previous terms on the Board of Directors. Mr. McCourt noted that Director Luhrs brought lawsuits against the District, and against Mr. McCourt; that Director Luhrs made several unfounded allegations against the District, micromanaged, and has tried to create problems for fifteen years. Mr. McCourt stated he was appalled at Director Luhrs' recent behavior.

Al Marquez of Joshua Tree commented on "The Rule of Law", which he quoted as California Government Code 54954.3(c); stating ratepayers' comments should be addressed to the Board, not an individual Director.

Fred Klintworth, ratepayer, recalled Director Luhrs statement from a prior meeting that he would not pay for documents requested by him whether or not the District requested payments. Mr. Klintworth questioned if this is the role of Directors, how they show leadership, and how this benefits the ratepayers of JBWD.

Barbara Delph, ratepayer, commented in favor of the annual Consumer Confidence Report being included in the water bills. She questioned whether there are any laws in California regarding an elected official slandering the public. She stated she is community-minded and comments because she cares about the District and the water. She stated Director Luhrs should choose decorum and class.

Gary Lovelace of Joshua Tree commented that he saw Director Luhrs at the local Post Office; Mr. Lovelace questioned Director Luhrs about his hospital stay. Mr. Lovelace stated when he spoke to Director Luhrs he heard Director Luhrs apparently calling law enforcement. Mr. Lovelace stated he has received harassing phone calls.

Steven Whitman of Joshua Tree commented that notes of previous meetings should be more specific.
District Counsel Gil Granito stated he knows of no Government statute that precludes a citizen from criticizing a public official and that statements of criticism made to a government official are permissible; furthermore, the Board President is precluded from suppressing such comments.
Janet Tucker, ratepayer, asked if the District was informed in advance that Director Luhrs would be absent; she was answered that the District was not.

6. CONSENT CALENDAR

MSC Long/Reynolds 4/0 (1 Absent) to approve the minutes of the Regular Board Meeting of July 6, 2011.

7. REVIEW AND COPY OF DISTRICT DOCUMENTS BY DIRECTORS

GM Guzzetta and District Counsel Gil Granito presented the staff report providing options for a proposed policy regarding providing copies of documents to Directors.
Barbara Delph, ratepayer, commented in favor of the current "Board of Directors Best Practices" policy, which states requests for documents at no charge should be limited to occasional small documents.
Jerry Reynolds, ratepayer, commented on a request for documents from superior court where the cost was fifty cents per copy.
Steven Whitman, ratepayer, commented this decision is complicated. He attended the Hi-Desert Water District Board meeting where attorneys from Best Best and Krieger gave a presentation on public records act. Mr. Whitman stated there is a difference in requests from public and requests from a Director.
Gary Lovelace of Joshua Tree, ratepayer, commented that he, Bill Long, Karl Wyne and Director Luhrs ran together for the JBWD Board and were elected in 2003; he recalled reviewing records Director Luhrs had requested, and that it took him (Mr. Lovelace) an entire day to review invoices and compile figures.
Mr. Granito stated that there is a distinction between Directors' right to inspect records, and the right to have copies of records.
After continued discussion between the Board and staff, the following action was taken:
Reynolds/ Long 3/1 (1 Absent) to approve staff recommendation to approve the proposed policy with one minor change: "…*provide up to 25 copies (pages) per week*…" to be changed to "…*provide up to 25 copies (pages) per month*…" and amend the District's Administration Code to adopt the policy.

Long	Aye
Luckman	Aye
Luhrs	Absent
Reynolds	Aye
Wilson	No

8. WAIVER OF COST FOR PUBLIC INFORMATION DOCUMENTS

GM Guzzetta presented the staff report. Discussion ensued; Director Long made a motion to deny waiving the cost of $224.75 for documents copied in response to a request for information by Director Luhrs; Vice President Reynolds seconded the motion.
Steven Whitman of Joshua Tree questioned whether the motion was appropriate considering the recommendation made by staff; it was determined that the pending action was appropriate.
Gary Lovelace of Joshua Tree commented that only the copy cost was under consideration and that there was also value in the employee time used to collect the documents for copying. The following action was taken;
MSC Long/Reynolds 3/1 (1 Absent) to deny waiving the cost of $224.75 for documents copied in response to a request for information by Director Luhrs.

Long	Aye
Luckman	Aye
Luhrs	Absent
Reynolds	Aye
Wilson	No

9. PROJECT PRIORITY LIST

GM Guzzetta stated that staff is preparing for a new year of priorities; there were no questions or comments.

10. COMMITTEE REPORTS:

A. Public Information Committee: Kathleen Radnich, Public Outreach Consultant
Ms. Radnich reported that volunteer docent training is coming up and invited anyone interested to attend. The Public Information Committee will meet August 8th. The District is hosting a landscape irrigation workshop on August 31st.

B. Ad Hoc General Manager Performance Facilitated Review Process: Vice President Reynolds and Director Long: Director Long stated a proposal was received that was preferred by the committee. The recommendation will be brought to the Board at the next Board meeting

C. Ad Hoc Pipeline Replacement Funding Committee: Director Luhrs and Director Wilson: Director Wilson reported that the committee had no further recommendations other than those given at the July 6th Board meeting.

11. PUBLIC COMMENT

Janet Tucker of Joshua Tree, a volunteer docent, commented on the District's *Water Wise Demonstration Garden* and encouraged people to visit the garden and to become involved in the volunteer docent program.

GM Guzzetta noted that Ms. Tucker is the lead volunteer docent for the garden and that she works at the garden every Wednesday maintaining and keeping our garden beautiful; he thanked her for her hard work.

Fred Klintworth, ratepayer, noted that the flag outside the office needs a light for nighttime display, or the flag should be taken down after dark.

Mike McBride, Director of Bighorn-Desert View Water Agency (BDVWA), invited people to come to the agency Board meetings. He also invited the public to attend "The ABCs of Water" hosted by BDVWA tomorrow night at the Yucca Valley Nature Museum at 5:30.

12. GENERAL MANAGER REPORT

GM Guzzetta had nothing further to report.

13. DIRECTORS COMMENTS/REPORTS

Vice President Reynolds reported that the mayor of Colton passed away as a result of a traffic accident, and expressed his condolences. Vice President Reynolds reported attending a conference in Orange County covering ethics, conduct, and professionalism; he noted that he will not request any reimbursement for attending that meeting. He attended the change of command ceremony at MCAGCC where he met the new brigadier general; he will not request reimbursement or compensation for that event. He attended a Mojave Water Agency (MWA) Board meeting in MWA's new boardroom; he noted the MWA is moving to "paperless" meetings; he stated that he noticed respect and courtesy on the part of Directors and audience at that meeting. He also attended an Association of San Bernardino County Special Districts meeting where Jim Rickert of the Marine Corps Air Ground Combat Center spoke on the Marine base, construction, modern warfare and live fire training facilities as well as emergency preparedness partnerships.

14. CLOSED SESSION

A. Closed Session to confer with Legal Counsel on existing litigation pursuant to subdivision (a) of Government Code Section 54956.9. (Re Joshua Basin Water District v. Robert Ellis, San Bernardino Superior Court - Joshua Tree District, Case No. CIVMS 900168).

B. Closed Session to confer with Legal Counsel on existing litigation pursuant to subdivision (a) of Government Code Section 54956.9. (Re Joshua Basin Water District v. Ironhead LLC a California Limited Liability Company, Praxedes Beard and Does 1 – 10 inclusive, San Bernardino Superior Court - Joshua Tree District, Case No. CIVMS 1100087).

President Luckman called a five minute recess at 8:12 pm; the meeting resumed in closed session at 8:17 pm.

15. REPORT ON CLOSED SESSION ITEMS

The Board reconvened in open session at 8:40 pm. District Counsel Granito reported that the Board met in closed session and received a status report from Counsel on both items. No reportable action was taken during the closed session discussions.

16. ADJOURNMENT 8:42 PM

MSC Long/Reynolds4/0 (1 Absent) to adjourn the July 20, 2011 Regular Meeting of the Board of Directors.

Respectfully submitted;

_____

Joe Guzzetta, General Manager

The next Regular Meeting of the Board of Directors is scheduled for Wednesday August 3, 2011 at 7:00 pm.

JOSHUA BASIN WATER DISTRICT

FINANCIAL REPORT HILIGHTS - JUNE 2011
FROM: Susan Greer

This report represents the last month of our 10/11 fiscal year.

SUMMARY

- CASH – Total cash $4,998,000, decreased $83,000 from prior month
- REVENUES – 112% Y-T-D
- EXPENSES – 96% Y-T-D
- WATER USAGE – June, 2011—15% less than May, 2010. Water usage for the year ended June 30 is 4% less than last year. Water consumption over the last few years is shown in the table below, indicating that water usage has decreased more than 10% from 08/09 to 10/11.

Year	Units Sold/100 c.f.	Gallons	Inc/Dec	Cumulative
08/09	655,594	490,384,312		
09/10	611,767	457,601,716	-6.7%	-6.7%
10/11	589,813	441,180,124	-3.6%	-10.3%

ACCOUNT RECAP – (CASH BALANCE STATEMENT)
Total cash of $4,998,000 is decreased $83,000 from last month and decreased $571,000 from one year ago.

CASH FLOW STATEMENT
Water collections are $7,000 more than the same *month* last year. Capital expenditures of $90,000 represent an increase of $49,000 compared to last *month*. Operating expenses of $275,000 (including CalPERS transfer, payroll and taxes) for the *month* decreased $39,000 from last year and increased $8,000 from last month. Meter installation sales *year-to-date* are 9 versus 2 last year and 9 the previous year. We have also collected sewer capacity charges for 5 meter installations this year located in the wastewater zone.

OPERATING FINANCIAL REPORT

This is the final month of the fiscal year; if equally distributed throughout the year, expenses and revenues should be at 100%.

REVENUES – total revenues are 112% y-t-d, including the entries to account 42110, used to reflect current year standbys not yet received.

- Metered Water Sales are not equally distributed throughout the year since water usage is higher in the summer. For example, February is typically the month of lowest consumption and August is the highest; with August consumption more than double that

of February. These situations are both true in the current year; February consumption of 34,870 ccf is the lowest y-t-d and August consumption of 80,476 ccf is more than double February's consumption. Year-to-date, we are at 101%.

- Basic Fees are equally distributed, and at 100% of budget, right on budget.
- Special Services Revenue represents the miscellaneous charges such as turn on/turn off, delinquent fees, NSF check charges and fire flow tests and are typically equally distributed. We are at 94%.
- Property Taxes including CMM Assessments, Property Taxes ID#2 and Standbys, a major source of revenue, have been sent to the County for inclusion on the property tax bills. Tax bill collections from the County began in December. Y-t-d tax collections through June are higher in total by $46,000 or 3% compared to last year.

EXPENSES - total expenses are 96% y-t-d

Production
Including allocated costs, Production expenses are 87% year-to-date.

Distribution
Distribution expenses are 98% year-to-date, including allocated costs.

Customer Service
Including allocated costs, Customer Service expenses are 104% year-to-date.

Administration
Administration expenses are 100% year-to-date including allocated expenses.

Engineering
Engineering expenses are 75% year-to-date including allocations.

Finance
Including allocated expenses, Finance expenses are 93% year-to-date.

Personnel
Including allocations, Personnel expense is 75% year-to-date.

Legal
Legal Services expense is 83% year-to-date.

Bonds & Loans
Bonds and Loans expense is 104% year-to-date.

Capital Replacement Expense

Capital Replacement Expense	June	$ 96,571
	Year-to-date	$ 1,133,510

JOSHUA BASIN WATER DISTRICT

Revenues total 112% year-to-date including taxes; with expenses at 96% year-to-date. Revenues exceed expenses by $924,000 before Capital Replacement Expense and expenses exceed revenues by $209,000 after.

Please contact me if you have any questions, comments or suggestions.

DATES: 6/30/2011- 6/30/2011

		BEGINNING BALANCE	TOTAL DEBITS	TOTAL CREDITS	ENDING BALANCE	AVERAGE DAILY BALANCE
GENERAL FUND						
01 -11100	PETTY CASH FUND	600.00	0.00	0.00	600.00	600.00
01 -11110	CHANGE FUND	1,500.00	0.00	0.00	1,500.00	1,500.00
01 -11200	GENERAL FUND-U S	89,447.20	1,501.13	42,641.64CR	48,306.69	48,306.69
01 -11210	PAYROLL FUND - U	5,000.00	0.24	0.00	5,000.24	5,000.24
01 -11220	CREDIT CARD ACCO	53,650.64	874.66	1,096.70CR	53,428.60	53,428.60
01 -11300	LAIF-INVESTMENT	3,079,367.69	0.00	0.00	3,079,367.69	3,079,367.69
01 -11305	LAIF-RESERVE FUN	1,000,000.00	0.00	0.00	1,000,000.00	1,000,000.00
01 -11306	LAIF - EQUIP & T	252,855.98	0.00	0.00	252,855.98	252,855.98
01 -11310	LAIF - WATER CAP	122,085.82CR	0.00	0.00	122,085.82CR	122,085.82CR
01 -11313	LAIF - SEWER CAP	26,689.22	0.00	0.00	26,689.22	26,689.22
01 -11315	LAIF-CAPITAL PRO	0.00	0.00	0.00	0.00	0.00
01 -11320	LAIF- CMM REDEMP	377,013.19	0.00	0.00	377,013.19	377,013.19
01 -11325	LAIF - CMM RESER	272,201.25	0.00	0.00	272,201.25	272,201.25
01 -11330	LAIF CMM PREPAYM	2,949.81	0.00	0.00	2,949.81	2,949.81
	FUND 01 TOTAL	5,039,189.16	2,376.03	43,738.34CR	4,997,826.85	4,997,826.85
	REPORT TOTALS	5,039,189.16	2,376.03	43,738.34CR	4,997,826.85	4,997,826.85

JOSHUA BASIN WATER DISTRICT

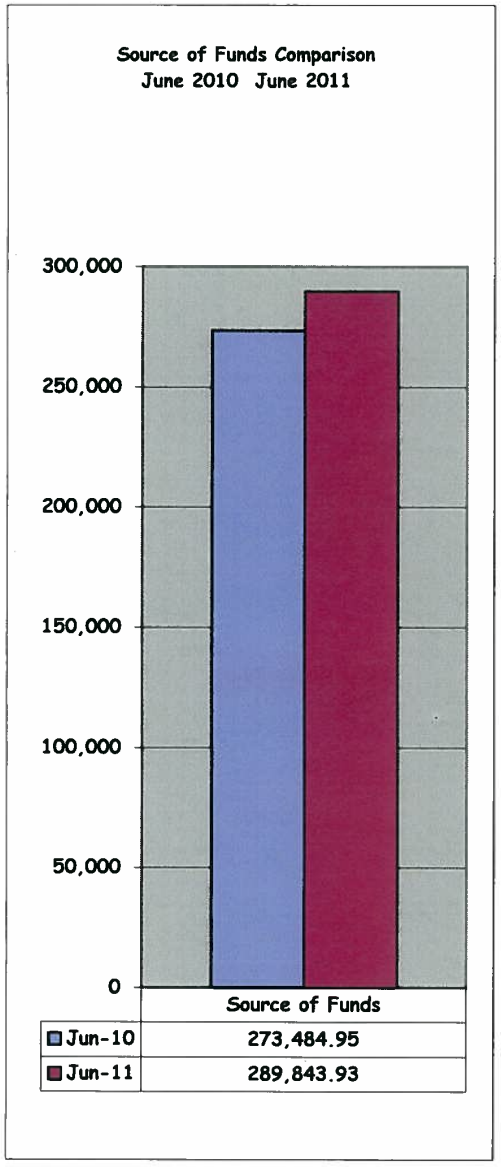
P.O. BOX 675 • 61750 CHOLLITA ROAD • JOSHUA TREE • CALIFORNIA 92252
TELEPHONE (760) 366-8438 FAX (760) 366-9528

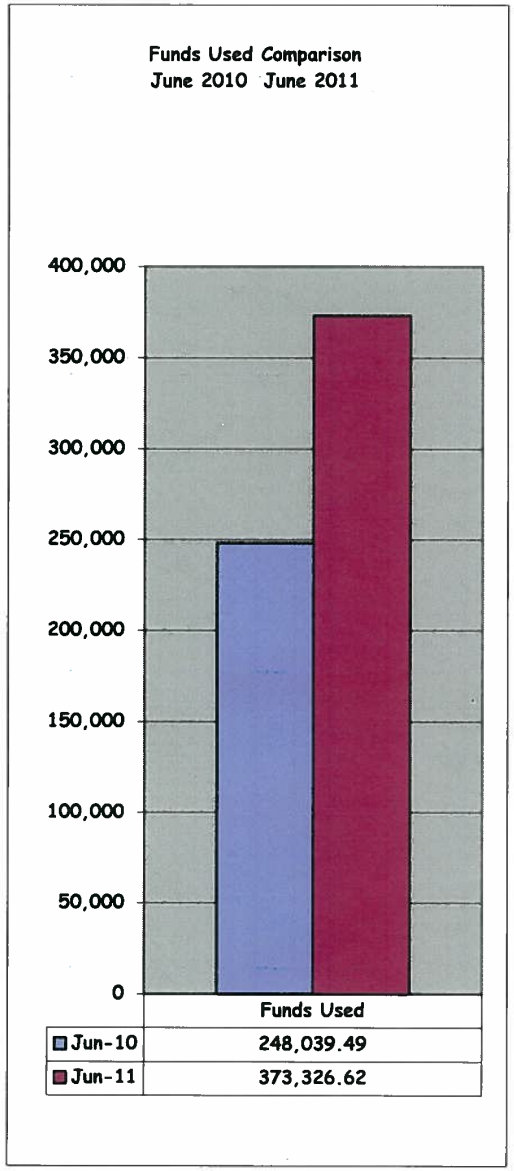
Cash Flow

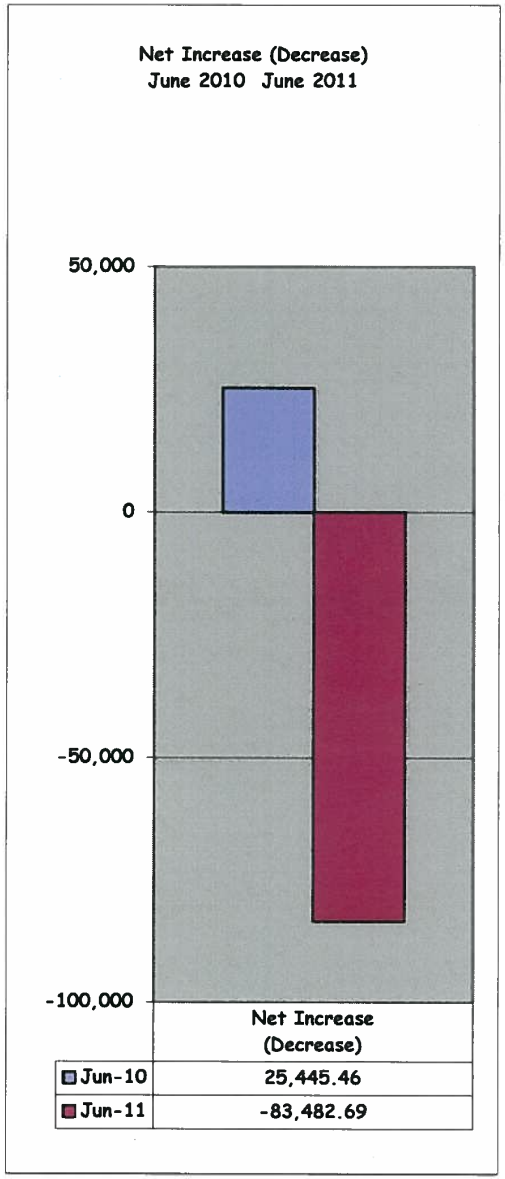
June 30, 2011

Beginning Cash			5,081,309.54
SOURCE OF FUNDS:			
Water A/R Collections	224,763.70		
Turn On/Misc	4,423.53		
Consumer Deposits	7,450.00		
Project Deposits	2,000.00		
Property Taxes G.D.	12,093.42		
ID #2 Tax Collections	6,877.13		
Standby Collections - Prior	9,817.60		
Standby Collections - Current	7,107.64		
CMM Assessment Collections	7,119.22		
LAIF CMM Payoff	0.00		
Water Capacity Charges	6,920.00		
Sewer Capacity Charges	0.00		
Meter Installation Fees	1,265.00		
Interest	6.69		
TOTAL SOURCE OF FUNDS		289,843.93	
FUNDS USED:			
Debt Service	0.00		
Capital Additions	90,178.25		
Operating Expenses	146,728.88		
Bank Transfer Payroll Taxes	32,550.86		
CalPERS Transfer	18,343.04	287,801.03	
Bank Transfer Payroll	76,509.61		
Employee Funded 457 Transfer	8,102.76		
Bank Transfer Fees/Charges	913.22	85,525.59	
TOTAL USE OF FUNDS		373,326.62	
Net Increase (Decrease)			(83,482.69)
Cash Balance at End of Period			4,997,826.85

PROVIDE • PROTECT • PROMOTE


Source of Funds Comparison
June 2010 June 2011
300,000
250,000
200,000
150,000
100,000
50,000
0
Source of Funds
Jun-10 273,484.95
Jun-11 289,843.93


Funds Used Comparison
June 2010 June 2011
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
Funds Used
Jun-10 248,039.49
Jun-11 373,326.62


Net Increase (Decrease)
June 2010 June 2011
50,000
0
-50,000
-100,000
Net Increase (Decrease)
Jun-10 25,445.46
Jun-11 -83,482.69

BOARD REPORT

AS OF: JUNE 30TH, 2011

01 -GENERAL FUND

FINANCIAL SUMMARY % OF YEAR COMPLETED: 100.00

	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	TOTAL ENCUMBERED	BUDGET BALANCE	% YTD BUDGET
REVENUE SUMMARY						
REVENUES	4,654,876	276,792.71	5,230,519.09	0.00	(575,643.09)	112.37
TOTAL REVENUES	4,654,876	276,792.71	5,230,519.09	0.00	(575,643.09)	112.37
EXPENSE SUMMARY						
Production	880,908	79,303.21	763,252.24	0.00	117,655.76	86.64
Distribution	510,901	38,042.41	500,308.47	0.00	10,592.53	97.93
Customer Service	567,982	67,260.19	575,141.01	14,000.00	(21,158.76)	103.73
Administration	595,481	45,840.37	595,977.73	0.00	(496.51)	100.08
Engineering	223,256	13,881.16	166,714.37	0.00	56,541.93	74.67
Finance	426,574	28,388.98	396,949.54	0.00	29,624.91	93.06
Personnel	84,056	4,575.06	62,969.36	0.00	21,086.76	74.91
Legal	67,320	9,165.28	56,015.27	0.00	11,304.73	83.21
Bonds & Loans	1,147,975	49,568.93	1,188,705.52	0.00	(40,730.52)	103.55
Benefits Allocated	0	0.00	0.00	0.00	0.00	0.00
Field Allocated	1	0.00	0.00	0.00	1.00	0.00
Office allocated	1	0.00	0.00	0.00	1.00	0.00
TOTAL EXPENSES	4,504,456	336,025.59	4,306,033.51	14,000.00	184,422.83	95.91
REVENUE OVER/(UNDER) EXPENSES	150,420	(59,232.88)	924,485.58	(14,000.00)	(760,065.92)	605.30

BOARD REPORT

AS OF: JUNE 30TH, 2011

01 -GENERAL FUND

% OF YEAR COMPLETED: 100.00

REVENUES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	TOTAL ENCUMBERED	BUDGET BALANCE	% YTD BUDGET
01-41010 METERED WATER SALES	1,332,808	126,806.63	1,340,989.20	0.00	(8,181.20)	100.61
01-41011 CUSTOMER REFUND CLEARING ACCT	0	0.00	18,000.00	0.00	(18,000.00)	0.00
01-41012 ALLOW FOR WAAP/BILLING ADJ	(5,686)	(784.29)	(5,299.14)	0.00	(386.86)	93.20
01-41015 BASIC FEES	1,319,227	112,604.30	1,318,693.71	0.00	533.29	99.96
01-41030 PRIVATE FIRE PROTECTION SERV.	19,127	1,628.64	19,110.48	0.00	16.52	99.91
01-41040 SPECIAL SERVICES REVENUE	116,098	9,575.91	108,628.17	0.00	7,469.83	93.57
01-41050 CROSS CONNECTION REVENUE	0	0.00	0.00	0.00	0.00	0.00
01-42100 STANDBY REVENUE-CURRENT	1,163,341	0.00	1,155,242.93	0.00	8,098.07	99.30
01-42110 UNCOLLECTED STANDBY/CURRENT	(250,000)	7,108.00	(213,124.00)	0.00	(36,876.00)	85.25
01-42200 STNBY INCOME PRIOR	161,460	9,817.60	209,314.51	0.00	(47,854.51)	129.64
01-42341 PRIOR YR REFUNDED REVENUE	0	0.00	0.00	0.00	0.00	0.00
01-43000 PROPERTY TAX - G.D.	381,643	0.00	398,294.00	0.00	(16,651.00)	104.36
01-43010 PROPERTY TAX I.D. #2	121,250	0.00	139,934.87	0.00	(18,684.87)	115.41
01-43020 PROPERTY TAX REVENUE -CMM	255,205	0.00	256,687.62	0.00	(1,482.62)	100.58
01-43030 CMM BOND CALL REVENUE	0	0.00	0.00	0.00	0.00	0.00
01-44000 CONNECTION FEES-HYDRANT,ML EXT	0	0.00	0.00	0.00	0.00	0.00
01-44001 MAINLINE REIMBURSEMENT FEES	0	0.00	0.00	0.00	0.00	0.00
01-44010 WATER CAPACITY CHARGES	0	6,920.00	42,829.00	0.00	(42,829.00)	0.00
01-44020 PLAN CHECK/INSPECTION FEES	0	0.00	2,072.07	0.00	(2,072.07)	0.00
01-44025 H ZONE ML REIMB FEES	0	0.00	12,210.00	0.00	(12,210.00)	0.00
01-44030 METER INSTALLATION FEES	0	1,265.00	6,855.00	0.00	(6,855.00)	0.00
01-44035 METER REPAIR REVENUE	0	0.00	0.00	0.00	0.00	0.00
01-44050 SEWER CAPACITY CHARGES	0	0.00	26,650.00	0.00	(26,650.00)	0.00
01-45000 INTEREST REVENUE G.D.	38,900	6.69	19,566.23	0.00	19,333.77	50.30
01-45010 DIVIDEND INCOME-1ST AMERICAN 3	0	0.00	0.00	0.00	0.00	0.00
01-46100 GRANT REVENUE	0	0.00	0.00	0.00	0.00	0.00
01-47000 MISCELLANEOUS REVENUE	1,503	1,844.23	373,864.44	0.00	(372,361.44)	4,874.55
01-47010 GAIN/LOSS ON SALE OF ASSETS	0	0.00	0.00	0.00	0.00	0.00
01-47020 CHANGE IN MARKET VALUE	0	0.00	0.00	0.00	0.00	0.00
TOTAL REVENUE	4,654,876	276,792.71	5,230,519.09	0.00	(575,643.09)	112.37

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01 -GENERAL FUND

% OF YEAR COMPLETED: 100.00

EXPENSES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	TOTAL ENCUMBERED	BUDGET BALANCE	% YTD BUDGET
Production						
01-501-01115 PRODUCTION SALARY	185,979	13,626.26	157,220.31	0.00	28,758.69	84.54
01-501-02205 WATER TREATMENT EXPENSE	12,670	2,725.65	13,387.21	0.00	(717.21)	105.66
01-501-03105 SOURCE OF SUPPLY/WELL MAIN	0	0.00	0.00	0.00	0.00	0.00
01-501-03115 PUMPING PLANT REPAIR & MAI	53,600	3,018.12	43,142.10	0.00	10,457.90	80.49
01-501-03120 TANK & RESERVOIR EXPENSE	186,028	0.00	21,413.04	0.00	164,614.96	11.51
01-501-04005 LABORATORY SERVICES	6,291	534.00	9,046.00	0.00	(2,755.00)	143.79
01-501-04010 LEAD/COPPER SAMPLING EXPEN	2,500	0.00	0.00	0.00	2,500.00	0.00
01-501-06105 POWER FOR PUMPING (ELECTRI	245,338	42,531.70	280,851.35	0.00	(35,513.35)	114.48
01-501-07005 PROPERTY INSURANCE	64,741	5,397.50	64,102.74	0.00	638.26	99.01
01-501-98001 EE BENEFITS ALLOCATED	101,897	7,978.65	103,230.99	0.00	(1,333.99)	101.31
01-501-98002 FIELD EXPENSES ALLOCATED	21,864	3,491.33	70,858.50	0.00	(48,994.50)	324.09
01-501-98003 OFFICE EXPENSE ALLOCATED	0	0.00	0.00	0.00	0.00	0.00
01-601-99200 AUTOMATIC CONTROLS	0	0.00	0.00	0.00	0.00	0.00
01-601-99205 BOOSTER/PUMP STATIONS	0	0.00	0.00	0.00	0.00	0.00
01-601-99220 MONITOR WELLS	0	0.00	0.00	0.00	0.00	0.00
01-601-99230 PRODUCTION WELLS	0	0.00	0.00	0.00	0.00	0.00
01-601-99240 PUMPING PLANT	0	0.00	0.00	0.00	0.00	0.00
01-601-99250 SOURCE OF SUPPLY	0	0.00	0.00	0.00	0.00	0.00
01-601-99260 WATER SAMPLING STATIONS	0	0.00	0.00	0.00	0.00	0.00
01-601-99270 WATER SEEPAGE PITS	0	0.00	0.00	0.00	0.00	0.00
01-601-99280 TANKS & RESERVOIRS	0	0.00	0.00	0.00	0.00	0.00
01-601-99450 SHOP TOOLS & EQUIPMENT - P	0	0.00	0.00	0.00	0.00	0.00
01-601-99510 LARGE EQUIPMENT - PROD	0	0.00	0.00	0.00	0.00	0.00
01-601-99550 AUTOMOTIVE - PRODUCTION	0	0.00	0.00	0.00	0.00	0.00
01-601-99600 GROUND WATER SURVEY	0	0.00	0.00	0.00	0.00	0.00
01-601-99610 URBAN GROUND WATER MNGT	0	0.00	0.00	0.00	0.00	0.00
01-601-99750 SOFTWRE & COMPUTRS- PRODUC	0	0.00	0.00	0.00	0.00	0.00
TOTAL Production	880,908	79,303.21	763,252.24	0.00	117,655.76	86.64
Distribution						
01-502-01105 MAIN, VALVE & LEAK SALARY	107,239	9,935.54	129,643.80	0.00	(22,404.80)	120.89
01-502-01130 DISTRIBUTION SALARY	111,261	8,857.55	105,030.65	0.00	6,230.35	94.40
01-502-01140 CROSS CONNECTION CONTRL SA	40,880	561.21	7,031.01	0.00	33,848.99	17.20
01-502-02920 INVENTORY-OVER & SHORT	3,106	(111.55)	(1,057.08)	0.00	4,163.08	34.03-
01-502-03105 MAINLINE AND LEAK REPAIR	81,689	2,904.44	50,394.84	0.00	31,294.16	61.69
01-502-03110 EQUIPMENT RENTAL	2,963	228.61	2,743.32	0.00	219.68	92.59
01-502-03130 CROSS CONNECTION CONTROL E	666	0.00	0.00	0.00	666.00	0.00
01-502-04005 CONTRACT LOCATING EXPENSE	4,687	1,893.87	6,499.80	0.00	(1,812.80)	138.68
01-502-98001 EE BENEFITS ALLOCATED	142,112	11,170.12	144,197.94	0.00	(2,085.94)	101.47
01-502-98002 FIELD EXPENSES ALLOCATED	16,298	2,602.62	52,821.80	0.00	(36,523.80)	324.10
01-502-98003 OFFICE EXPENSE ALLOCATED	0	0.00	0.00	0.00	0.00	0.00
01-602-99210 MAINLINES & FIRE HYDRANTS	0	0.00	0.00	0.00	0.00	0.00
01-602-99220 METERS	0	0.00	3,002.39	0.00	(3,002.39)	0.00
01-602-99450 SHOP TOOLS & EQUIPMNT - DI	0	0.00	0.00	0.00	0.00	0.00
01-602-99550 AUTOMOTIVE - DISTRIBUTION	0	0.00	0.00	0.00	0.00	0.00
01-602-99580 LARGE EQUIPMENT - DISTRIBU	0	0.00	0.00	0.00	0.00	0.00
TOTAL Distribution	510,901	38,042.41	500,308.47	0.00	10,592.53	97.93

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EXPENSES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	TOTAL ENCUMBERED	BUDGET BALANCE	% YTD BUDGET
Customer Service						
01-503-01105 FIELD SALRY - CUSTOMER SER	113,198	6,134.52	66,536.24	0.00	46,661.76	58.78
01-503-01110 OFFICE SALARY - CUSTOMER S	75,764	8,443.17	97,722.95	0.00	(21,958.95)	128.98
01-503-01135 STANDBY SALARY	21,039	1,933.60	23,977.05	0.00	(2,938.05)	113.96
01-503-03105 METER SERVICE REPAIR	15,617	4,205.57	19,553.97	0.00	(3,936.97)	125.21
01-503-04005 PLAN CHECK/INSPECTION	0	13,395.46	15,848.51	14,000.00	(29,848.51)	0.00
01-503-07005 CREDIT CARD FEES	7,302	1,096.70	16,946.82	0.00	(9,644.82)	232.08
01-503-07010 BAD DEBT	20,000	0.00	(1,354.94)	0.00	21,354.94	6.77-
01-503-07015 PUBLIC INFORMATION	43,860	6,974.14	45,273.80	0.00	(1,413.80)	103.22
01-503-07020 WATER CONSERVATION EXPENSE	18,360	5,420.22	45,498.61	0.00	(27,138.61)	247.81
01-503-98001 EE BENEFITS ALLOCATED	115,057	9,042.47	116,739.79	0.00	(1,682.79)	101.46
01-503-98002 FIELD EXPENSES ALLOCATED	1,590	253.91	5,153.34	0.00	(3,563.34)	324.11
01-503-98003 OFFICE EXPENSE ALLOCATED	136,195	10,360.43	123,244.87	0.00	12,950.38	90.49
01-603-99400 METER READING EQUIPMENT	0	0.00	0.00	0.00	0.00	0.00
TOTAL Customer Service	567,982	67,260.19	575,141.01	14,000.00	(21,158.76)	103.73
Administration						
01-504-01105 ADMINISTRATION SALARY	243,947	13,894.00	208,212.42	0.00	35,734.58	85.35
01-504-01115 DIRECTORS SALARY	0	2,257.19	12,572.25	0.00	(12,572.25)	0.00
01-504-01205 DIRECTORS EXPENSE	23,005	0.00	13,369.51	0.00	9,635.49	58.12
01-504-01210 DIRECTORS / C.A.C. EDUCATI	9,503	1,808.08	6,302.93	0.00	3,200.07	66.33
01-504-01215 TRAINING EXPENSE	26,661	99.00	21,040.18	0.00	5,620.82	78.92
01-504-04005 LOBBYIST	42,000	3,500.00	38,500.00	0.00	3,500.00	91.67
01-504-04010 PROJECT FEASIBILITY STUDIE	0	0.00	0.00	0.00	0.00	0.00
01-504-04015 CMC DEMO PROJECT CLEARING	0	2,534.00	63,252.59	0.00	(63,252.59)	0.00
01-504-04017 CIMIS STATION CLEARING ACC	0	0.00	0.00	0.00	0.00	0.00
01-504-07000 MISCELLANEOUS EXPENSE	2,419	1,053.61	6,982.10	0.00	(4,563.10)	288.64
01-504-07005 BUSINESS EXPENSE	15,747	3,175.34	14,088.70	0.00	1,658.30	89.47
01-504-07006 SUBSCRIPTIONS	3,050	0.00	1,176.42	0.00	1,873.58	38.57
01-504-07010 EMERGENCY PREPAREDNESS	7,407	1,216.00	8,551.89	0.00	(1,144.89)	115.46
01-504-07015 OUTSIDE SERVICES	38,345	3,368.23	29,755.29	0.00	8,589.71	77.60
01-504-07016 MEMBERSHIP FEES & DUES	17,677	413.00	13,445.26	0.00	4,231.74	76.06
01-504-98001 EE BENEFITS ALLOCATED	133,657	10,638.20	136,319.62	0.00	(2,662.62)	101.99
01-504-98002 FIELD EXPENSES ALLOCATED	0	0.00	0.00	0.00	0.00	0.00
01-504-98003 OFFICE EXPENSE ALLOCATED	24,763	1,883.72	22,408.57	0.00	2,354.65	90.49
01-604-99100 LAND & EASEMENT	0	0.00	0.00	0.00	0.00	0.00
01-604-99300 BUILDINGS	7,300	0.00	0.00	0.00	7,300.00	0.00
01-604-99320 DEMO GARDEN	0	0.00	0.00	0.00	0.00	0.00
01-604-99450 OFFICE FURNITURE & EQUIPME	0	0.00	0.00	0.00	0.00	0.00
01-604-99600 STRATEGIC PLAN DEV	0	0.00	0.00	0.00	0.00	0.00
01-604-99610 VULNERABILITY ASSESSMENT	0	0.00	0.00	0.00	0.00	0.00
01-604-99620 WASTE WATER FEASIBILITY ST	0	0.00	0.00	0.00	0.00	0.00
01-604-99630 WATER AVAILABILITY EVALUAT	0	0.00	0.00	0.00	0.00	0.00
01-604-99640 DEMOGRAPHIC SURVEY	0	0.00	0.00	0.00	0.00	0.00
01-604-99650 GROUND WATER MONITORING PL	0	0.00	0.00	0.00	0.00	0.00
01-604-99660 RATE STUDIES	0	0.00	0.00	0.00	0.00	0.00
01-604-99900 WASTEWATER SYSTEM & STARTU	0	0.00	0.00	0.00	0.00	0.00
TOTAL Administration	595,481	45,840.37	595,977.73	0.00	(496.51)	100.08

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EXPENSES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	TOTAL ENCUMBERED	BUDGET BALANCE	% YTD BUDGET
Engineering						
01-505-01105 ENGINEERING/GIS/IT SALARY	86,230	6,541.57	77,048.51	0.00	9,181.49	89.35
01-505-02305 MAPS/DRAFTING SUPPLIES	2,500	0.00	2,044.46	0.00	455.54	81.78
01-505-04005 ENGINEERING SERVICES	50,000	900.00	3,960.00	0.00	46,040.00	7.92
01-505-04010 MAPPING SYSTEM UPGRADES	8,078	832.50	1,943.50	0.00	6,134.50	24.06
01-505-98001 EE BENEFITS ALLOCATED	47,245	3,723.37	47,990.17	0.00	(745.17)	101.58
01-505-98002 FIELD EXPENSES ALLOCATED	0	0.00	0.00	0.00	0.00	0.00
01-505-98003 OFFICE EXPENSE ALLOCATED	24,763	1,883.72	22,408.02	0.00	2,355.20	90.49
01-605-99400 ENGINEERING EQUIPMENT	0	0.00	0.00	0.00	0.00	0.00
01-605-99410 MAPPING SYSTEM	0	0.00	0.00	0.00	0.00	0.00
01-605-99600 WATER MASTER PLAN	0	0.00	0.00	0.00	0.00	0.00
01-605-99700 WATER MODEL ASSESSMENT H2O	0	0.00	0.00	0.00	0.00	0.00
01-605-99750 SOFTWARE & COMPUTERS	4,440	0.00	11,319.71	0.00	(6,879.63)	254.94
TOTAL Engineering	223,256	13,881.16	166,714.37	0.00	56,541.93	74.67
Finance						
01-506-01100 FINANCE SALARY	227,774	15,047.17	203,164.71	0.00	24,609.29	89.20
01-506-04005 ACCOUNTING SERVICES	24,480	0.00	23,582.00	0.00	898.00	96.33
01-506-98001 EE BENEFITS ALLOCATED	124,795	9,574.38	125,386.45	0.00	(591.45)	100.47
01-506-98002 FIELD EXPENSES ALLOCATED	0	0.00	0.00	0.00	0.00	0.00
01-506-98003 OFFICE EXPENSE ALLOCATED	49,525	3,767.43	44,816.38	0.00	4,709.07	90.49
TOTAL Finance	426,574	28,388.98	396,949.54	0.00	29,624.91	93.06
Personnel						
01-507-01100 PERSONNEL SALARY	27,319	2,129.38	23,105.91	0.00	4,213.09	84.58
01-507-01115 UNION & LABOR NEGOT. SALAR	0	0.00	291.73	0.00	(291.73)	0.00
01-507-01120 SAFETY SALARY	9,382	440.00	4,700.00	0.00	4,682.00	50.10
01-507-01905 EMPLOYMENT RECRUITING EXPE	2,006	0.00	0.00	0.00	2,006.00	0.00
01-507-01910 LABOR NEGOTIATION EXPENSE	18,000	0.00	9,074.41	0.00	8,925.59	50.41
01-507-98001 EE BENEFITS ALLOCATED	14,968	1,063.82	14,593.16	0.00	374.84	97.50
01-507-98002 FIELD EXPENSES ALLOCATED	0	0.00	0.00	0.00	0.00	0.00
01-507-98003 OFFICE EXPENSE ALLOCATED	12,381	941.86	11,204.15	0.00	1,176.97	90.49
01-607-99600 PERSONNEL MANUAL/CLASS STU	0	0.00	0.00	0.00	0.00	0.00
TOTAL Personnel	84,056	4,575.06	62,969.36	0.00	21,086.76	74.91
Legal						
01-508-04000 LEGAL SERVICES	67,320	9,165.28	56,015.27	0.00	11,304.73	83.21
TOTAL Legal	67,320	9,165.28	56,015.27	0.00	11,304.73	83.21
Bonds & Loans						
01-509-08105 BOND PAYABLE PRINCP 1997 B	515,000	0.00	515,000.00	0.00	0.00	100.00
01-509-08110 I.D. #2 BONDS PYBLE-PRINCI	95,000	0.00	95,000.00	0.00	0.00	100.00
01-509-08115 CMM PRINCIPAL	80,000	0.00	78,000.00	0.00	2,000.00	97.50
01-509-08120 MORONGO BASIN PIPELINE	224,158	0.00	219,291.00	0.00	4,867.00	97.83
01-509-08150 MWA OPERATION & MAINT.	0	0.00	0.00	0.00	0.00	0.00
01-509-08205 INTEREST EXPENSE - 1997 BO	26,008	5,908.37	31,915.87	0.00	(5,907.87)	122.72
01-509-08210 INTEREST EXPENSE I.D. #2	26,250	0.00	26,250.00	0.00	0.00	100.00
01-509-08215 INTEREST EXPENSE - CMM	164,205	0.00	164,899.70	0.00	(694.70)	100.42
01-509-08220 INTEREST EXPENSE-UTILITY S	0	0.00	0.00	0.00	0.00	0.00

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EXPENSES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	TOTAL ENCUMBERED	BUDGET BALANCE	% YTD BUDGET
01-509-08305 TRUSTEE FEES - 1997 BONDS	2,525	0.00	2,475.00	0.00	50.00	98.02
01-509-08310 ANALYTICAL SERVICES 1997 B	2,540	0.00	2,515.00	0.00	25.00	99.02
01-509-08315 ID #2 BONDS COLLECTION CHA	339	16.90	367.66	0.00	(28.66)	108.45
01-509-08320 GENERAL TAX COLLECTION CHA	950	31.15	1,015.39	0.00	(65.39)	106.88
01-509-08325 ADMINISTRATION - CMM	11,000	2,094.94	10,458.33	0.00	541.67	95.08
01-509-08910 AMORTIZATION OF BOND DEFER	0	36,486.01	36,486.01	0.00	(36,486.01)	0.00
01-509-08911 AMORTIZATION OF BOND DISCO	0	0.00	0.00	0.00	0.00	0.00
01-509-08912 AMORTIZATION BOND ISSUE CO	0	5,031.56	5,031.56	0.00	(5,031.56)	0.00
TOTAL Bonds & Loans	1,147,975	49,568.93	1,188,705.52	0.00	(40,730.52)	103.55
Benefits Allocated						
01-551-01105 CONTRA SALARY-CAFE PLAN RE	0	0.00	0.00	0.00	0.00	0.00
01-551-01205 EMPLOYEE EDUCATION	257	0.00	300.00	0.00	(43.00)	116.73
01-551-01210 COMPENSATED LEAVE	185,000	16,073.33	208,195.33	0.00	(23,195.33)	112.54
01-551-01215 CAFETERIA PLAN EXPENSE	195,750	17,770.00	208,565.00	0.00	(12,815.00)	106.55
01-551-01220 GROUP INSURANCE EXPENSE	6,433	800.43	9,304.43	0.00	(2,871.43)	144.64
01-551-01225 WORKERS COMPENSATION INSUR	31,606	0.00	20,333.90	0.00	11,272.10	64.34
01-551-01230 RETIREMENT	127,921	9,787.96	124,028.50	0.00	3,892.50	96.96
01-551-01235 VEHICLE ALLOWANCE SALARY	0	0.00	0.00	0.00	0.00	0.00
01-551-01240 UNIFORMS	6,770	0.00	7,929.79	0.00	(1,159.79)	117.13
01-551-01245 ALLOWANCE AND ADJUSTMENTS	0	0.00	0.00	0.00	0.00	0.00
01-551-01305 PAYROLL TAXES	108,285	8,759.29	109,801.17	0.00	(1,516.17)	101.40
01-551-98000 ALLOCATED EXPENSES	(662,022)	(53,191.01)	(688,458.12)	0.00	26,436.12	103.99
TOTAL Benefits Allocated	0	0.00	0.00	0.00	0.00	0.00
Field Allocated						
01-552-02205 SHOP EXPENSE - COMBINED	11,002	519.11	9,462.71	0.00	1,539.29	86.01
01-552-02210 SMALL TOOLS EXPENSE - COMB	10,200	0.00	6,187.79	0.00	4,012.21	60.66
01-552-02215 SAFETY EXPENSE	6,500	0.00	1,431.14	0.00	5,068.86	22.02
01-552-03205 TRACTOR/TOOL REPAIR	4,064	765.81	5,440.16	0.00	(1,376.16)	133.86
01-552-03905 BUILDING REPAIR & MAINT.	29,787	2,087.51	24,227.47	0.00	5,559.53	81.34
01-552-05005 FUEL-VEHICLES	35,779	0.00	32,163.32	0.00	3,615.68	89.89
01-552-05010 AUTO EXPENSE	26,520	4,200.36	37,918.97	0.00	(11,398.97)	142.98
01-552-05015 EQUIPMENT CLEARING ACCOUN	(1,684)	(100.99)	(753.12)	0.00	(930.88)	44.72
01-552-06305 COMMUNICATIONS	10,103	947.45	10,584.69	0.00	(481.69)	104.77
01-552-07005 REGULATORY, PERMITS, ETC	7,956	0.00	12,135.51	0.00	(4,179.51)	152.53
01-552-07010 OVERHEAD 17 (OTHER)	(96,093)	(2,025.52)	(8,183.34)	0.00	(87,909.66)	8.52
01-552-07015 OVERHEAD 16 (LABOR)	(4,381)	(45.87)	(1,781.66)	0.00	(2,599.34)	40.67
01-552-98000 ALLOCATED EXPENSES	(39,752)	(6,347.86)	(128,833.64)	0.00	89,081.64	324.09
TOTAL Field Allocated	1	0.00	0.00	0.00	1.00	0.00
Office allocated						
01-553-01405 TEMPORARY LABOR FEES	69,771	3,013.92	42,231.50	0.00	27,539.44	60.53
01-553-02105 OFFICE SUPPLIES & EQUIPMEN	30,600	4,917.15	27,069.10	0.00	3,530.90	88.46
01-553-02110 POSTAGE	22,418	3,066.34	23,828.61	0.00	(1,410.61)	106.29
01-553-04005 COMPUTER PROGRAMMING EXPEN	2,665	0.00	0.00	0.00	2,665.00	0.00
01-553-04010 OFFICE EQUIP - REPAIR & MA	41,839	5,368.24	49,419.84	0.00	(7,580.52)	118.12
01-553-04015 SYSTEM ADMINISTRATION	48,391	0.00	45,482.00	0.00	2,909.00	93.99
01-553-06205 TELEPHONE AND UTILITIES	31,944	2,471.51	36,050.94	0.00	(4,106.94)	112.86
01-553-98000 ALLOCATED EXPENSES	(247,627)	(18,837.16)	(224,081.99)	0.00	(23,545.27)	90.49
TOTAL Office allocated	1	0.00	0.00	0.00	1.00	0.00

BOARD REPORT

AS OF: JUNE 30TH, 2011

01 -GENERAL FUND

% OF YEAR COMPLETED: 100.00

EXPENSES	CURRENT BUDGET	CURRENT PERIOD	YEAR TO DATE ACTUAL	TOTAL ENCUMBERED	BUDGET BALANCE	% YTD BUDGET
TOTAL EXPENSES	4,504,456	336,025.59	4,306,033.51	14,000.00	184,422.83	95.91
REVENUE OVER/(UNDER) EXPENSES	150,420 (	59,232.88)	924,485.58 (	14,000.00)(	760,065.92)	605.30

CASH ACCOUNT: 01 -11200

CHECK NO	CHECK DATE	STATUS		VENDOR INFO		CHECK AMOUNT
049819	6/01/2011	R	1	CUSTOMER REFUNDS (MISC.)		
				I-000201106011201 SULLIVAN, TONY	:US REFUND	57.92
						57.92
049820	6/01/2011	R	1	CUSTOMER REFUNDS (MISC.)		
				I-000201106011202 BEHL, MARK V	:US REFUND	41.90
						41.90
049821	6/01/2011	R	1	CUSTOMER REFUNDS (MISC.)		
				I-000201106011203 ALLEN, JASON	:US REFUND	36.86
						36.86
049822	6/01/2011	R	1	CUSTOMER REFUNDS (MISC.)		
				I-000201106011204 JEFFRIES, APRIL	:US REFUND	94.64
						94.64
049823	6/01/2011	R	1	CUSTOMER REFUNDS (MISC.)		
				I-000201106011205 LOZA-TROCCHIANO, JOA	:US REFUND	79.53
						79.53
049824	6/01/2011	R	1	CUSTOMER REFUNDS (MISC.)		
				I-000201106011206 THACHER, ROBERT M	:US REFUND	58.16
						58.16
049825	6/01/2011	R	1	CUSTOMER REFUNDS (MISC.)		
				I-000201106011207 HYDE, AMY	:US REFUND	6.28
						6.28
049826	6/01/2011	R	1	CUSTOMER REFUNDS (MISC.)		
				I-000201106011208 BERRAS, CRYSTAL N	:US REFUND	3.47
						3.47
049827	6/01/2011	R	1	CUSTOMER REFUNDS (MISC.)		
				I-000201106011209 DAILEY, KAITLYN R	:US REFUND	28.31
						28.31
049828	6/02/2011	R	000490	SYSTEC, INC		
				I-M10523-IN MAINT CONT 6/19/11 - 6/18/12		3,576.00
						3,576.00

CASH ACCOUNT: 01 -11200

CHECK NO	CHECK DATE	STATUS	VENDOR INFO			CHECK AMOUNT
049829	6/02/2011	R	001004	BANK OF AMERICA		
			I-BA0611		OFF SUP/MISC EXP/DIR EDUC	3,420.54
						3,420.54
049830	6/02/2011	R	001002	BUSINESS CARD		
			I-BA0611		BUSINESS EXP/OFFICE SUPPLIES	167.66
						167.66
049831	6/02/2011	R	000173	CAMPBELL SCIENTIFIC, INC.		
			I-256017		CIMIS STATION EQUIPMENT	6,230.82
						6,230.82
049832	6/02/2011	R	001526	CANYON AUTO SERVICES, INC		
			I-5613		VEHICLE REPAIRS	110.32
						110.32
049833	6/02/2011	R	001932	COUNTY OF SAN BERNARDINO		
			I-104454		PARCEL DATA CD ROM	238.13
						238.13
049834	6/02/2011	R	001901	CSA-20		
			I-CSA052311		HALL RENTAL: DISASTER WORKSHP	91.00
						91.00
049835	6/02/2011	R	003025	FEDEX		
			I-7-509-81338		SHIPPING CHARGES	25.24
						25.24
049836	6/02/2011	R	003505	LORI PARKER		
			I-4387		VEHICLE REPAIRS	1,139.03
						1,139.03
049837	6/02/2011	R	001006	SUSAN GREER		
			I-SG052511		REIMB: DMV FEES	18.00
						18.00
049838	6/02/2011	R	004000	JOSEPH GUZZETTA		
			I-JG060211		REIMB: BUSINESS EXPENSE	2,064.34
						2,064.34

CASH ACCOUNT: 01 -11200

CHECK NO	CHECK DATE	STATUS	VENDOR INFO			CHECK AMOUNT
049839	6/02/2011	R	004152	HI-DESERT STAR		
			I-01548543	PUBLIC NOTICE - 2010 UWMP		50.16
						50.16
049840	6/02/2011	R	004720	INLAND WATER WORKS		
			I-232581	INVENTORY		332.78
						332.78
049841	6/02/2011	R	000134	KENNEDY/JENKS CONSULTANTS, INC.		
			I-56382	CONSULTING: WATER SUPPLY ASSES		13,324.65
						13,324.65
049842	6/02/2011	R	006029	LIEBERT CASSIDY WHITMORE		
			I-131056	LEGAL SERVICES - APRIL 11		426.00
						426.00
049843	6/02/2011	R	006200	HELEN A. MCALLISTER		
			I-5534B	JANITORIAL SERVICES - MAY		580.00
						580.00
049844	6/02/2011	R	006790	MOBILE MINI, LLC - CA		
			I-941500089	23' RECORD STORAGE RENTAL-AUG		228.61
						228.61
049845	6/02/2011	R	009072	LAW OFFICES REDWINE AND SHERRILL		
			I-RS0511	LEGAL SERVICES - MAY 11		13,659.58
						13,659.58
049846	6/02/2011	R	009615	MARIE SALSBERRY		
			I-MS052511	REIMB: MILEAGE		21.68
						21.68
049847	6/02/2011	R	013195	JEFFREY G. ZARTLER		
			I-915725	GROUNDS MAINT		160.00
						160.00
049848	6/07/2011	R	1	CUSTOMER REFUNDS (MISC.)		
			I-000201106071210	SIMONIS, ALLISON D	:US REFUND	13.43
						13.43

CASH ACCOUNT: 01 -11200

CHECK NO	CHECK DATE	STATUS		VENDOR INFO		CHECK AMOUNT
049849	6/07/2011	R	1	CUSTOMER REFUNDS (MISC.)		
				I-000201106071211 HAYES, DONAVON	:US REFUND	68.41
						68.41
049850	6/07/2011	R	1	CUSTOMER REFUNDS (MISC.)		
				I-000201106071212 LOOMIS, DANIEL	:US REFUND	12.98
						12.98
049851	6/07/2011	R	1	CUSTOMER REFUNDS (MISC.)		
				I-000201106071213 VARGAS, MICHAEL D	:US REFUND	69.21
						69.21
049852	6/07/2011	R	1	CUSTOMER REFUNDS (MISC.)		
				I-000201106071214 DUBE, YVETTE	:US REFUND	57.36
						57.36
049853	6/07/2011	R	1	CUSTOMER REFUNDS (MISC.)		
				I-000201106071215 GARZA, HECTOR	:US REFUND	69.21
						69.21
049854	6/07/2011	R	1	CUSTOMER REFUNDS (MISC.)		
				I-000201106071216 KIEFFER, JIM	:US REFUND	60.30
						60.30
049855	6/07/2011	R	1	CUSTOMER REFUNDS (MISC.)		
				I-000201106071217 PARKER, BRITTANY L	:US REFUND	51.01
						51.01
049856	6/07/2011	R	1	CUSTOMER REFUNDS (MISC.)		
				I-000201106071218 ANTHONY, DANIEL	:US REFUND	39.43
						39.43
049857	6/07/2011	R	1	CUSTOMER REFUNDS (MISC.)		
				I-000201106071219 EARLS, CORI K	:US REFUND	27.77
						27.77
049858	6/07/2011	R	1	CUSTOMER REFUNDS (MISC.)		
				I-000201106071220 GARCIA, SHERRIE	:US REFUND	103.87
						103.87

CHECK NO	CHECK DATE	STATUS		VENDOR INFO			CHECK AMOUNT
049859	6/07/2011	R	1	CUSTOMER REFUNDS (MISC.)			
				I-000201106071221	HENDERSON, JARON	:US REFUND	59.92
							59.92
049860	6/07/2011	R	1	CUSTOMER REFUNDS (MISC.)			
				I-000201106071222	WEBER, MICHAEL	:US REFUND	71.90
							71.90
049861	6/07/2011	R	1	CUSTOMER REFUNDS (MISC.)			
				I-000201106071223	VIGALLON, MOLLY A	:US REFUND	10.04
							10.04
049862	6/07/2011	R	1	CUSTOMER REFUNDS (MISC.)			
				I-000201106071224	TALIAN, STEVEN	:US REFUND	57.51
							57.51
049863	6/07/2011	R	1	CUSTOMER REFUNDS (MISC.)			
				I-000201106071225	LERMA, VANITA K	:US REFUND	82.53
							82.53
049864	6/07/2011	R	1	CUSTOMER REFUNDS (MISC.)			
				I-000201106071226	TRI VALLEY REALTY	:US REFUND	23.82
							23.82
049865	6/10/2011	R	000675	AQUA-METRIC SALES COMPANY			
				I-0037896-IN	INVENTORY/MTR SERVICE RPR		1,278.50
				I-0037905-IN	METER SERVICE REPAIR		1,733.22
							3,011.72
049866	6/10/2011	R	001630	AT&T MOBILITY			
				I-829480028x06052011	COMMUNICATIONS - MAY 11		614.03
							614.03
049867	6/10/2011	R	001455	BRITHINEE ELECTRIC			
				I-158777	PUMPING PLANT MAINT		206.11
							206.11
049868	6/10/2011	R	004110	BURRTEC WASTE & RECYCLING SVCS			
				I-BW0611	TRASH REMOVAL - JUN 11		72.71
				I-BW0611B	RECYCLING - JUN 11		52.08
				I-BW0611C	TRASH REMOVAL - JUN 11		226.71
							351.50

CASH ACCOUNT: 01 -11200

CHECK NO	CHECK DATE	STATUS	VENDOR INFO			CHECK AMOUNT
049869	6/10/2011	R	001540	F.C. COMPTON DBA C & S		
			I-14904	PUMPING PLANT MAINT		70.00
						70.00
049870	6/10/2011	R	000145	CALIFORNIA STATE DISBURSEMENT UNIT		
			I-061011	EE REMITTANCE		477.46
						477.46
049871	6/10/2011	R	001530	CARQUEST/SOUTHERN AUTO SUPPLY		
			C-10824222	CREDIT: GENERATOR REPAIR		13.00CR
			I-7340-359392	GENERATOR REPAIR		117.44
						104.44
049872	6/10/2011	R	001555	CENTRATEL		
			I-110603192101	DISPATCH SERVICES - JUN 11		255.07
						255.07
049873	6/10/2011	R	001595	CHEM-TECH INTERNATIONAL, INC.		
			I-JBWD138	WATER TREATMENT EXPENSE		1,501.89
						1,501.89
049874	6/10/2011	R	000119	CO OF SAN BERNARDINO TREASURER		
			I-2010-635PT	PI350 UNPAID SPEC ASSESS RPRTS		516.28
						516.28
049875	6/10/2011	R	001932	COUNTY OF SAN BERNARDINO		
			I-104463	MARCH - MAY '11 MAP REVISIONS		6.00
						6.00
049876	6/10/2011	R	000112	COPPER MOUNTAIN MEDIA/KQCM-FM		
			I-9888	ADVERT: NIAGRA TOILET GIVEAWAY		210.00
						210.00
049877	6/10/2011	R	000058	GARDA CL WEST, INC.		
			I-169-767111	COURIER FEES - JUN 11		431.36
						431.36
049878	6/10/2011	R	004195	HOME DEPOT CREDIT SERVICES		
			I-HD0611	M LEAK REP/BLDG RPR/SHOP EXP		1,629.11
						1,629.11

CASH ACCOUNT: 01 -11200

CHECK NO	CHECK DATE	STATUS	VENDOR INFO		CHECK AMOUNT
049879	6/10/2011	R	004201 SCOTT HUDSON		
			I-SH060711	REIMB MILES: MARCH-MAY	255.00
					255.00
049880	6/10/2011	R	009897 THE MALLANTS CORPORATION		
			I-1910000621	TEMPORARY LABOR	837.20
			I-1910000623	TEMPORARY LABOR	837.20
					1,674.40
049881	6/10/2011	R	000070 ONLINE INFORMATION SERVICES, INC.		
			I-338068	ID VERIF. SERV. THRU 5/31/2011	315.90
					315.90
049882	6/10/2011	R	008150 PETTY CASH, JOE GUZZETTA		
			I-PC060211	PETTY CASH REIMBURSEMENT	327.72
					327.72
049883	6/10/2011	R	008300 POSTMASTER		
			I-SD060211	POSTAGE FOR WATER BILLING	3,000.00
					3,000.00
049884	6/10/2011	R	008405 PRECISION ASSEMBLY		
			I-14443	MAY WATER BILLING & PUBL INFO	1,835.41
					1,835.41
049885	6/10/2011	R	008414 ROBERT L. STEPHENSON		
			I-1473	VIDEO TAPING BD MEETINGS -MAY	200.00
					200.00
049886	6/10/2011	R	008415 PRUDENTIAL OVERALL SPLY.		
			I-20336736	SHOP EXPENSE	87.02
					87.02
049887	6/10/2011	R	009054 KATHLEEN J. RADNICH		
			I-060511-67	PUBLIC RELATIONS SERVICES	500.40
			I-52911-67	PUBLIC RELATIONS SERVICES	428.40
					928.80
049888	6/10/2011	R	009878 SOUTHERN CALIFORNIA EDISON		
			I-SCE0611	POWER FOR PUMPING - MAY11	18,539.82
					18,539.82

CASH ACCOUNT: 01 -11200

CHECK NO	CHECK DATE	STATUS	VENDOR INFO		CHECK AMOUNT
049889	6/10/2011	R	010850 UNDERGROUND SERVICE ALERT		
			I-520110325	TICKET DELIVERY SERVICE - MAY	294.00
					294.00
049890	6/10/2011	R	010990 UTILIQUEST L.L.C.		
			I-167967-Q	CONTRACT LOCATING EXPENSE	683.69
			I-168259-Q	CONTRACT LOCATING EXPENSE	699.48
			I-168616-Q	CONTRACT LOCATING EXPENSE	359.73
					1,742.90
049891	6/10/2011	R	000175 VIVAX-METROTECH		
			I-12768	LOCATER REPAIR	395.52
					395.52
049892	6/10/2011	R	011615 WESTERN EXTERMINATOR CO.		
			I-WE0511	EXTERMINATOR - MAY 11	29.50
			I-WE0511B	EXTERMINATOR - MAY 11	68.50
					98.00
049893	6/10/2011	R	012965 YUCCA VALLEY FORD CENTER		
			I-46917	VEHICLE REPAIRS	425.10
					425.10
049894	6/21/2011	V			
			C-CHECK	VOID CHECK	0.00
					0.00
049895	6/21/2011	V			
			C-CHECK	VOID CHECK	0.00
					0.00
049896	6/21/2011	V			
			C-CHECK	VOID CHECK	0.00
					0.00
049897	6/21/2011	V			
			C-CHECK	VOID CHECK	0.00
					0.00
049898	6/21/2011	V			
			C-CHECK	VOID CHECK	0.00
					0.00

CASH ACCOUNT: 01 -11200

CHECK NO	CHECK DATE	STATUS		VENDOR INFO		CHECK AMOUNT
049899	6/21/2011	V				
			C-CHECK	VOID CHECK		0.00
						0.00
049900	6/21/2011	V				
			C-CHECK	VOID CHECK		0.00
						0.00
049901	6/21/2011	V				
			C-CHECK	VOID CHECK		0.00
						0.00
049902	6/21/2011	V				
			C-CHECK	VOID CHECK		0.00
						0.00
049903	6/21/2011	R	1	CUSTOMER REFUNDS (MISC.)		
				I-000201106211227 MILLER, KAIA	:US REFUND	36.45
						36.45
049904	6/21/2011	R	1	CUSTOMER REFUNDS (MISC.)		
				I-000201106211228 ROBINSON, TRISHA & T	:US REFUND	108.41
						108.41
049905	6/21/2011	V	1	CUSTOMER REFUNDS (MISC.)		
				I-000201106211229 CAIN, CHASE	:US REFUND	7.53
						7.53
049906	6/21/2011	R	1	CUSTOMER REFUNDS (MISC.)		
				I-000201106211230 ANTU, ANNA	:US REFUND	48.78
						48.78
049907	6/21/2011	R	1	CUSTOMER REFUNDS (MISC.)		
				I-000201106211231 AGANYAN, HAKOP	:US REFUND	44.66
						44.66
049908	6/21/2011	R	1	CUSTOMER REFUNDS (MISC.)		
				I-000201106211232 BROPHY, STEPHANIE	:US REFUND	7.89
						7.89

CASH ACCOUNT: 01 -11200

CHECK NO	CHECK DATE	STATUS		VENDOR INFO		CHECK AMOUNT
049909	6/21/2011	R	1	CUSTOMER REFUNDS (MISC.)		
				I-000201106211233 GORWIN, STEPHEN A	:US REFUND	0.94
						0.94
049910	6/21/2011	R	1	CUSTOMER REFUNDS (MISC.)		
				I-000201106211234 STOLZ, KYLE	:US REFUND	62.30
						62.30
049911	6/21/2011	R	1	CUSTOMER REFUNDS (MISC.)		
				I-000201106211235 FAVORS, JACQUELINE	:US REFUND	65.48
						65.48
049912	6/21/2011	R	1	CUSTOMER REFUNDS (MISC.)		
				I-000201106211236 ISAAC, JOHN	:US REFUND	69.76
						69.76
049913	6/21/2011	R	1	CUSTOMER REFUNDS (MISC.)		
				I-000201106211237 LEFEVER, CODY A	:US REFUND	61.82
						61.82
049914	6/21/2011	R	1	CUSTOMER REFUNDS (MISC.)		
				I-000201106211238 GUYSE, STEVE	:US REFUND	65.00
						65.00
049915	6/21/2011	R	1	CUSTOMER REFUNDS (MISC.)		
				I-000201106211239 TAYLOR, JAMES M	:US REFUND	63.65
						63.65
049916	6/21/2011	R	1	CUSTOMER REFUNDS (MISC.)		
				I-000201106211240 HAMMOCK, KELLY L	:US REFUND	55.16
						55.16
049917	6/21/2011	R	1	CUSTOMER REFUNDS (MISC.)		
				I-000201106211241 COOPER, BRIENNA	:US REFUND	47.17
						47.17
049918	6/21/2011	R	1	CUSTOMER REFUNDS (MISC.)		
				I-000201106211242 VILLARREAL, ALAINA	:US REFUND	21.72
						21.72

CHECK NO	CHECK DATE	STATUS	VENDOR INFO			CHECK AMOUNT
049919	6/21/2011	R	1 CUSTOMER REFUNDS (MISC.)			
			I-000201106211243	SANMIGUEL, SEAN	:US REFUND	14.23
						14.23
049920	6/24/2011	R	000507 ACWA HEALTH BENEFITS AUTHORITY			
			I-ACWA0711	EE HEALTH BENEFIT - JULY 11		10,913.74
						10,913.74
049921	6/24/2011	R	000575 AFSCME LOCAL 1902			
			I-AFSCME0611	EE UNION DUES - JUNE 11		546.00
						546.00
049922	6/24/2011	R	000656 AMERICAN HERITAGE LIFE INS CO.			
			I-ALL0511	EE LIFE INSURANCE - MAY 11		382.14
						382.14
049923	6/24/2011	R	000999 AMERICAN WATER WORKS ASSOC.			
			I-AWWA1011	MEMBERSHIP RENEW THRU 08/31/12		413.00
						413.00
049924	6/24/2011	R	001010 BARR LUMBER COMPANY, INC			
			I-9542671	PUMPING PLANT SUPPLIES		4.88
						4.88
049925	6/24/2011	R	001461 DEBORAH BOLLINGER			
			I-462	WATER CONSERVATION - MAY		2,500.00
			I-462A	URBAN WATER MGMT PLAN		656.25
			I-463	WATER CONSERVATION - JUNE		2,500.00
			I-463A	URBAN WATER MGMT PLAN		412.50
						6,068.75
049926	6/24/2011	R	000145 CALIFORNIA STATE DISBURSEMENT UNIT			
			I-062411	EE REMITTANCE		198.92
						198.92
049927	6/24/2011	R	001526 CANYON AUTO SERVICES, INC			
			I-5782	VEHICLE REPAIRS		106.96
						106.96
049928	6/24/2011	R	001528 CARPI & CLAY, INC			
			I-CC0511	LOBBYIST - MAY 11		3,500.00
						3,500.00

CASH ACCOUNT: 01 -11200

CHECK NO	CHECK DATE	STATUS	VENDOR INFO			CHECK AMOUNT
049929	6/24/2011	R	001560	CENTURY FORMS, INC.		
			I-70057		LASER BILLING STATEMENT	758.89
			I-70073		DOOR HANGERS	435.00
						1,193.89
049930	6/24/2011	R	001850	CLINICAL LAB OF S.B. INC		
			I-914919		SAMPLING - MAY 11	534.00
						534.00
049931	6/24/2011	R	001865	COMPUTER GALLERY		
			I-305811		PLAT. MAINTENANCE - JULY 11	2,895.00
			I-305821		BDR BACKUP SERVICE - JULY 11	860.00
						3,755.00
049932	6/24/2011	R	001888	RICHARD H COOK		
			I-RC062111		EMERGENCY MANAGEMENT PROGRAM	1,125.00
						1,125.00
049933	6/24/2011	R	001945	COUNTY OF SAN BERNARDINO SHERIFF DEPARTMENT		
			I-SD061411		DEPUTY SERVICE: 6/15/11 BD MTG	239.00
						239.00
049934	6/24/2011	R	002026	DATASTREAM		
			I-4235		MAINT. AGREEMENT - 3RD QTR 11	720.00
						720.00
049935	6/24/2011	R	002565	DUDEK AND ASSOCIATES, INC		
			I-20111172		RECHGE/TANK EROS/C2B VALVE	2,285.00
						2,285.00
049936	6/24/2011	R	002800	ENGINEERING RESOURCES OF		
			I-41252		STBY REPORT - FY 11/12	900.00
						900.00
049937	6/24/2011	R	002853	ENVIRONMENTAL SCIENCE ASSOC.		
			I-93625		EPA GRANT - RECHARGE	2,680.00
						2,680.00
049938	6/24/2011	R	003505	LORI PARKER		
			I-4485		VEHICLE REPAIRS	12.00
						12.00

CHECK NO	CHECK DATE	STATUS	VENDOR INFO			CHECK AMOUNT
049939	6/24/2011	R	004000	JOSEPH GUZZETTA		
			I-JG061511		REIMB: COURT FEES - ELLIS	1,265.13
						1,265.13
049940	6/24/2011	R	004152	HI-DESERT STAR		
			I-01548575		PUBLIC NOTICE: STANDBY HEARING	104.12
						104.12
049941	6/24/2011	R	000134	KENNEDY/JENKS CONSULTANTS, INC.		
			I-56639		CONSULTING: URBAN WTR MGMT PLN	1,959.58
						1,959.58
049942	6/24/2011	R	005640	KILLER BEE PEST CONTROL		
			I-1999		BEE REMOVAL	70.00
						70.00
049943	6/24/2011	R	005870	KRIEGER & STEWART INC.		
			I-34278		ENGINEERING SERVICES: RECHARGE	39,170.30
						39,170.30
049944	6/24/2011	R	006790	MOBILE MINI, LLC - CA		
			I-941504537		23' RECORD STORAGE RENTAL-SEPT	228.61
						228.61
049945	6/24/2011	R	003930	NBS		
			I-B06201136		CMM ADMIN FEES - 3RD QTR 11	2,094.94
						2,094.94
049946	6/24/2011	R	008102	OFFICEMAX CONTRACT INC.		
			C-027468		CREDIT: SHOP EXPENSE	8.36CR
			C-302704		CREDIT: OFFICE SUPPLIES	7.22CR
			C-360498		CREDIT: OFFICE SUPPLIES	23.30CR
			I-252308		OFFICE SUPPLIES/SHOP EXPENSE	862.42
			I-252481		OFFICE SUPPLIES	5.16
			I-252674		SHOP EXPENSE	9.37
						838.07
049947	6/24/2011	V				
			C-CHECK		VOID CHECK	0.00
						0.00

CASH ACCOUNT: 01 -11200

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			I-20343992	SHOP EXPENSE	87.02
					87.02
049949	6/24/2011	R	009054 KATHLEEN J. RADNICH		
			I-06/12/11-69	PUBLIC RELATIONS SERVICES	482.40
			I-06/19/11-70	PUBLIC RELATIONS SERVICES	370.80
					853.20
049950	6/24/2011	R	000049 BEN RUFFNER		
			I-BR062211	REIMB: MILES/FOOD/POSTAGE	162.21
					162.21
049951	6/24/2011	R	009880 SOUTHERN CALIFORNIA EDISON CO		
			I-SCE0611	POWER TO BUILDINGS - JUN 11	1,348.55
					1,348.55
049952	6/24/2011	R	003596 SUPERMEDIA LLC		
			I-SM0611	MORONGO BASIN ADVERT - JUN 11	22.00
					22.00
049953	6/24/2011	R	009898 THE GAS COMPANY		
			I-GAS0511B	HEAT FOR SHOP - MAY 11	70.28
					70.28
049954	6/24/2011	R	000510 TIME WARNER CABLE		
			I-TWC0611	CABLE SERVICE - JUN 11	58.31
					58.31
049955	6/24/2011	R	010690 TYLER TECHNOLOGIES		
			I-14870	ANNUAL MAINT: 23 MODULES	21,767.39
			I-15257	ONLINE PRODUCTS - JUN 11	185.00
					21,952.39
049956	6/24/2011	R	003595 VERIZON CALIFORNIA		
			I-V0611	TELEPHONE (SHOP) - JUNE 11	333.42
					333.42
049957	6/24/2011	R	003600 VERIZON CALIFORNIA		
			I-V0611	TELEPHONE (OFFICE) - JUNE 11	717.30
					717.30

CASH ACCOUNT: 01 -11200

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049958	6/24/2011	R	012965 YUCCA VALLEY FORD CENTER			
			I-146436 VEHICLE REPAIRS			280.27
						280.27
049959	6/29/2011	R	1 CUSTOMER REFUNDS (MISC.)			
			I-000201106281244 RAMIREZ, HECTOR		:US REFUND	46.69
						46.69
049960	6/29/2011	R	1 CUSTOMER REFUNDS (MISC.)			
			I-000201106281245 QUINONES, MELANIE		:US REFUND	8.00
						8.00
049961	6/29/2011	R	1 CUSTOMER REFUNDS (MISC.)			
			I-000201106281246 WINDER, CHRIS		:US REFUND	13.11
						13.11
049962	6/29/2011	R	1 CUSTOMER REFUNDS (MISC.)			
			I-000201106281247 WENZLER, LOGAN J		:US REFUND	55.47
						55.47
049963	6/29/2011	R	1 CUSTOMER REFUNDS (MISC.)			
			I-000201106281248 DUNCAN, JR BOBBY C		:US REFUND	26.51
						26.51
049964	6/29/2011	R	1 CUSTOMER REFUNDS (MISC.)			
			I-000201106281249 JOLES, ROGER		:US REFUND	65.06
						65.06
049965	6/29/2011	R	1 CUSTOMER REFUNDS (MISC.)			
			I-000201106281250 LARGE, DAN		:US REFUND	36.86
						36.86
049966	6/29/2011	R	1 CUSTOMER REFUNDS (MISC.)			
			I-000201106281251 OWENS, KIA		:US REFUND	23.24
						23.24
049967	6/29/2011	R	1 CUSTOMER REFUNDS (MISC.)			
			I-000201106281252 GUADALUPE, RICHARD		:US REFUND	34.47
						34.47

CASH ACCOUNT: 01 -11200

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						84.12
049969	6/29/2011	R	1	CUSTOMER REFUNDS (MISC.)		
			I-000201106281254	ANZALDUA, CHRISTOPHE:US REFUND		58.64
						58.64
049970	6/29/2011	R	1	CUSTOMER REFUNDS (MISC.)		
			I-000201106281255	WADE, DEBRA A :US REFUND		18.48
						18.48
049971	6/29/2011	R	1	CUSTOMER REFUNDS (MISC.)		
			I-000201106281256	DECKER, JENNIFER :US REFUND		16.74
						16.74
049972	6/29/2011	R	1	CUSTOMER REFUNDS (MISC.)		
			I-000201106281257	JOHN GRIFFIN CONSTRU:US REFUND		69.05
						69.05
049973	6/30/2011	R	001526	CANYON AUTO SERVICES, INC		
			I-5646	VEHICLE REPAIRS		785.74
						785.74
049974	6/30/2011	R	002525	JEFF DROZD		
			I-JD062411	MAPPING SYSTEM UPGRADES		832.50
						832.50
049975	6/30/2011	R	004720	INLAND WATER WORKS		
			I-233347	INVENTORY		3,882.38
			I-233456	HAULING STATION SUPPLIES		516.56
						4,398.94
049976	6/30/2011	R	000134	KENNEDY/JENKS CONSULTANTS, INC.		
			I-57112	CONSULTING: WATER SUPPLY ASSES		70.81
						70.81
049977	6/30/2011	R	005870	KRIEGER & STEWART INC.		
			I-34339	ENGINEERING SERVICES: RECHARGE		24,015.70
						24,015.70

CASH ACCOUNT: 01 -11200

CHECK NO	CHECK DATE	STATUS	VENDOR INFO		CHECK AMOUNT
049978	6/30/2011	R	006000 LAB SAFETY SUPPLY		
			I-1017508209	PUMPING PLANT SUPPLIES	202.15
					202.15
049979	6/30/2011	R	006029 LIEBERT CASSIDY WHITMORE		
			I-133635	LEGAL SERVICES - MAY 11	468.00
			I-133636	LEGAL SERVICES - MAY 11	1,917.00
			I-133637	LEGAL SERVICES - MAY 11	1,878.28
					4,263.28
049980	6/30/2011	R	009897 THE MALLANTS CORPORATION		
			I-1910000627	TEMPORARY LABOR	669.76
					669.76
049981	6/30/2011	R	006504 MC CALL'S METERS, INC.		
			I-20992	PUMPING PLANT SUPPLIES	261.30
			I-21035	REFURBISH FLOW METER	2,497.59
					2,758.89
049982	6/30/2011	R	009054 KATHLEEN J. RADNICH		
			I-6/26/11-71	PUBLIC RELATIONS SERVICES	392.40
					392.40
049983	6/30/2011	R	000130 SCHAEFFER MANUFACTURING COMPANY		
			I-NX1452-INV1	VEHICLE & TRACTOR REPAIR SPLY	531.71
					531.71
049984	6/30/2011	R	009920 STANDARD INSURANCE CO		
			I-ST0611	EE LIFE INSURANCE - JUNE 11	786.32
			I-ST0711	EE LIFE INSURANCE - JULY 11	786.32
					1,572.64
049985	6/30/2011	R	010990 UTILIQUEST L.L.C.		
			I-168893-Q	CONTRACT LOCATING EXPENSE	31.32
			I-169181-Q	CONTRACT LOCATING EXPENSE	57.58
49986 - 49987 July					88.90
*049988	6/30/2011	R	007053 NEW LIBERTY ADMINISTRATION		
			I-NL0611	CAFETERIA PLAN - JUNE 11	1,145.00
					1,145.00

DIRECTOR PAYROLL & REIMBURSEMENTS — JUNE 2011

Check Date	Event Date	Event Description	Pay Description	Amount
LONG, WILLIAM C				
06/10/2011	06/01/2011		DIRECTOR'S FEES	173.63
06/24/2011	06/15/2011		DIRECTOR'S FEES	173.63
			Total:	347.26
LUCKMAN, MICKEY C				
06/10/2011	05/12/2011	MILES IN LIEU OF AIR	REIMBURSEMENT	349.40
06/10/2011	05/08/2011	TO 5/12/11 & 6/01/11	DIRECTOR'S FEES	1,041.78
06/24/2011	06/15/2011		DIRECTOR'S FEES	173.63
			Total:	1,564.81
LUHRS, MICHAEL				
06/10/2011	06/01/2011		DIRECTOR'S FEES	173.63
			Total:	173.63
REYNOLDS, MICHAEL P				
06/10/2011	06/01/2011		DIRECTOR'S FEES	173.63
06/24/2011	06/15/2011		DIRECTOR'S FEES	173.63
			Total:	347.26
WILSON, GARY L				
06/10/2011	06/01/2011		DIRECTOR'S FEES	173.63
			Total:	173.63
			Grand Total:	**2,606.59**

JOSHUA BASIN WATER DISTRICT
SUPPLEMENTAL DATA SHEET

Regular Meeting of the Board of Directors August 3, 2011

Report to: President and Members of the Board
From: Joe Guzzetta, General Manager

TOPIC: PRESENTATION BY UNITED STATES GEOLOGICAL SURVEY (USGS)

RECOMMENDATION: That the Board receive a presentation from Peter Martin, USGS, on the status of studies underway by USGS

ANALYSIS: USGS is completing a five-year study with the primary purposes of evaluating potential groundwater recharge sites, determining how a recharge program should be managed at the site, and studying the effects of nitrates on the groundwater in part to determine at what density development should be allowed to occur without connecting to a waste water system.

Enclosed is the written status report. Peter Martin, Desert and Eastern Sierra Program Chief for USGS will give a presentation and answer questions.

We are in the final year of the study and a written report is expected to be published by the end of the year.

Joshua Basin Water District Cooperative Program: Progress, Plans, and Costs through December 2010

Task 1 - Characterize the Unsaturated Zone

Progress

Two monitoring sites were installed in Federal Fiscal Year 2010 (FFY10) within the boundary of the planned artificial-recharge site (JTUZ-3 and 4) (fig. 1). JTUZ-3 is shallow (about 100 ft) and JTUZ-4 is 538 ft deep. The USGS installed JTUZ-3 in December 2009 using an auger rig downgradient of the proposed site for JTUZ-4. Drill cuttings were collected and inspected for strata that may inhibit artificial recharge; no such strata were encountered. JTUZ-3 has a lysimeter and two heat-dissipation probes installed. The USGS installed JTUZ-4 in April 2010 using an ODEX rig. JTUZ-4 has five lysimeters, six heat-dissipation probes, three advanced tensiometers, and seven DEPS installed (fig. 2).

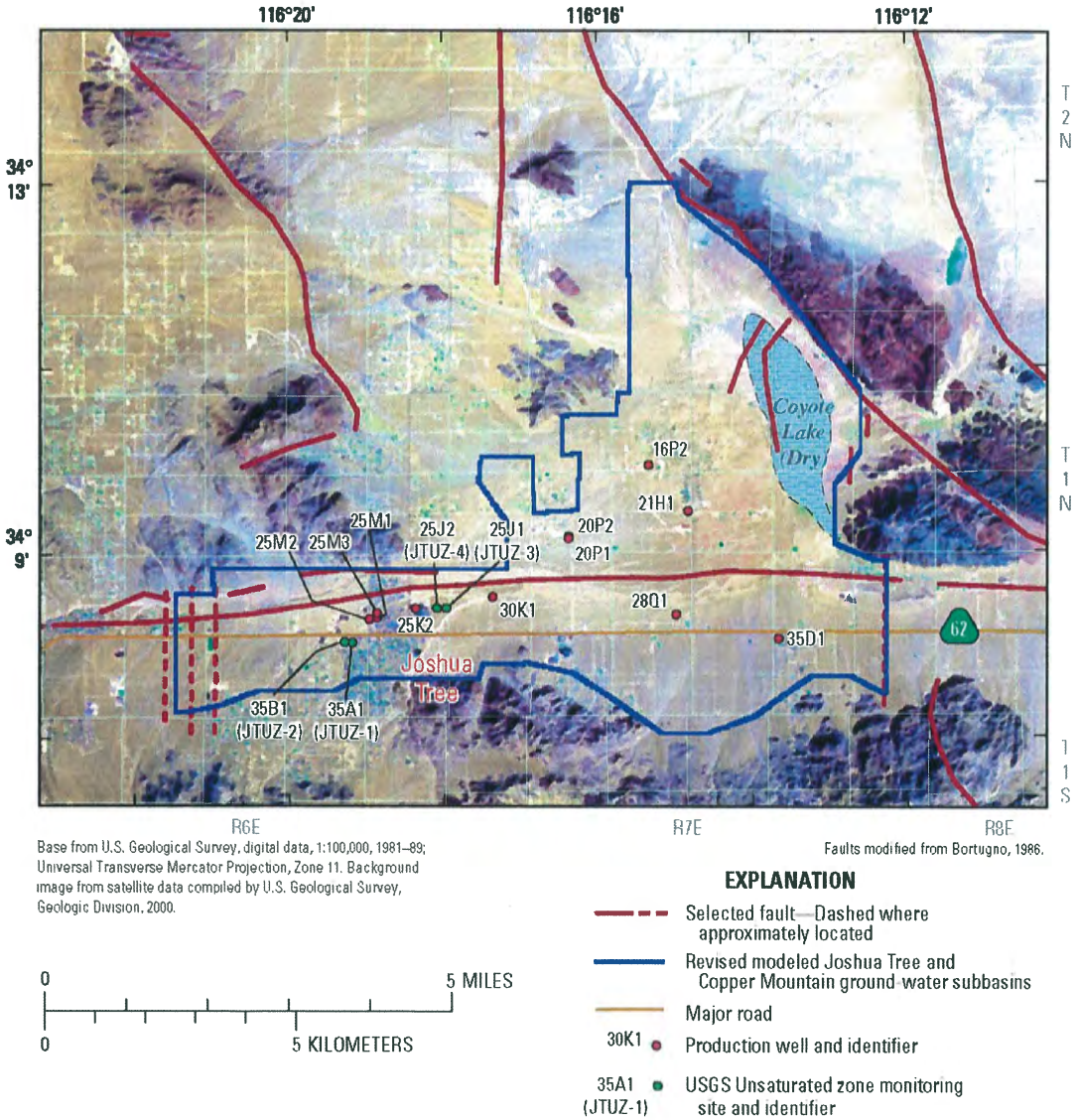


Figure 1. Locations of unsaturated-zone monitoring sites installed by the USGS in the Joshua Tree groundwater subbasin.

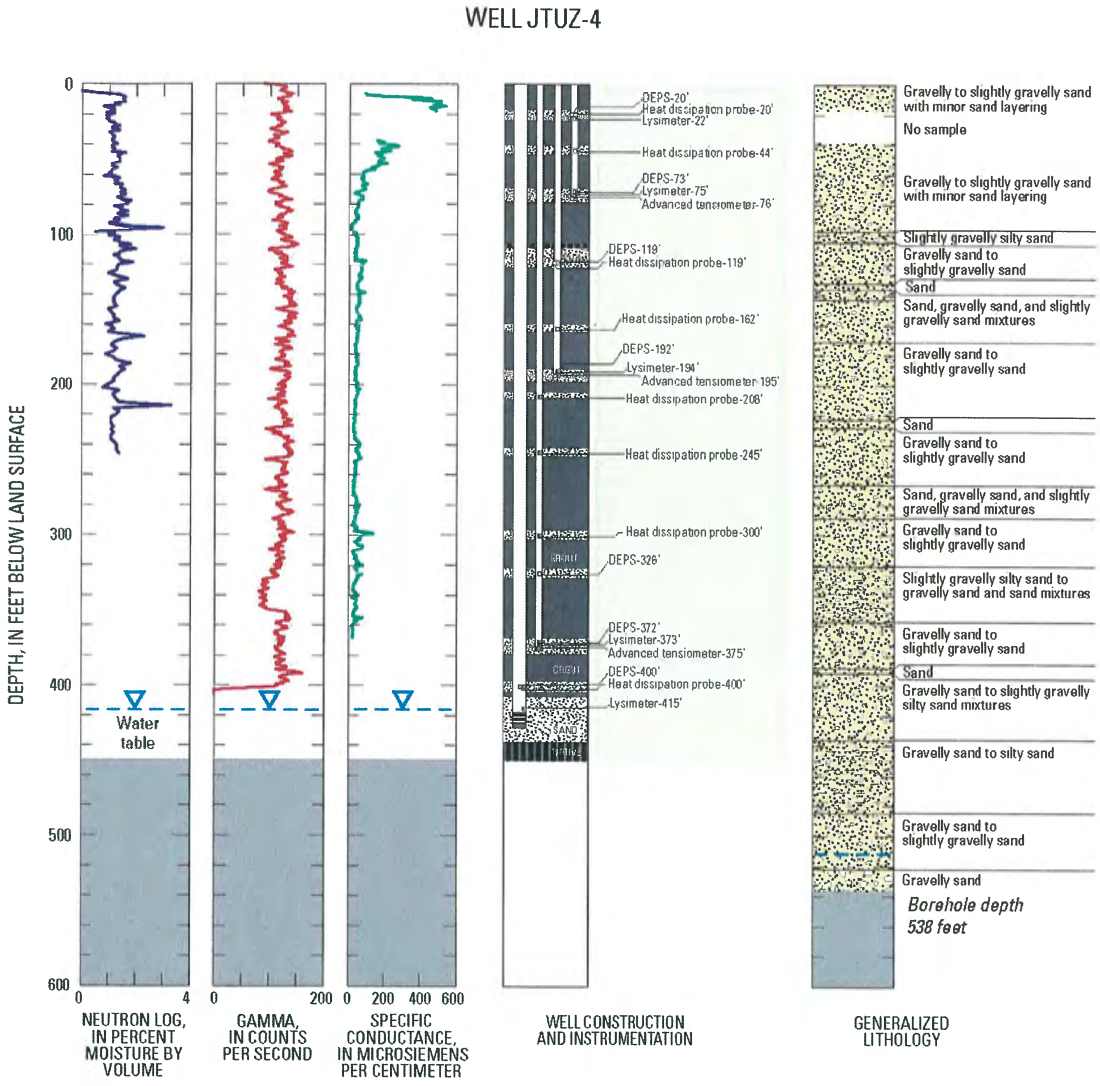


Figure 2. JTUZ-4 geophysical logs, well construction, instrumentation, and general lithology.

Proposed Work

No new work is planned for FFY11.

Total FFY 2011 cost for Task 1 - ***$0***

Task 2 – Evaluate Potential Artificial Recharge Sites

Progress

The U.S. Geological Survey (USGS), in cooperation with Joshua Basin Water District (JBWD), performed double-ring infiltrometer tests at the proposed JBWD artificial-recharge site during November 15-17, 2010. The purpose of the tests was to determine infiltration rates and hydraulic conductivity values at three locations at the artificial recharge site (fig. 3).

Figure 3. Infiltrometer test site locations, USGS boreholes JTUZ-3 and JTUZ-4, and the area under consideration for artificial recharge sites, Joshua Tree, California.

Methodology

Constant-head and falling-head tests were done at three locations within the study area (fig. 3). At each test location and for each test, the infiltrometer was inserted into the ground to a depth of approximately 0.5 foot. The outside walls of the infiltrometer were bermed with soil to prevent leakage. A shallow core was collected at each site to determine the lithology directly beneath the test location. Visual inspection of the cores indicated the presence of well-sorted medium to coarse sand at sites 1 and 2 and well-sorted medium sand at site 3.

A constant-head test was used to measure infiltration, and data from a falling-head test was used to estimate hydraulic conductivity at each location. For a constant-head test, each ring of the infiltrometer is connected to an individual calibrated water tank. The rings are then filled with water to a stage height of one foot. As water from the rings infiltrates into the ground, flow of water from the calibrated tanks into the rings is adjusted to maintain the initial one-foot stage height for the complete test period. Infiltration through the outer ring acts as a barrier to lateral spreading of the water infiltrating through the inner ring, allowing for a measurement of mostly vertical infiltration. Time is recorded for every five-gallon volume transferred from the calibrated water tank to the inner ring. The rate of water flow from the calibrated water tank is assumed to equal the rate of infiltration (Youngs, 1991).

A falling-head test is usually performed after completing the constant-head infiltration test. For a falling-head test, flow to the infiltrometer rings from the calibrated water tank is stopped and the falling head is measured at ten-second intervals with pressure transducers, until all water from each ring has completely infiltrated (Arriaga et al., 2010). Infiltration rates decrease with decreasing head and a polynomial equation is fitted to the data. Because the infiltration rate is controlled by a pressure force due to head and hydraulic conductivity, as the head in the ring approaches zero the infiltration rate approaches the hydraulic conductivity of the sediment. Therefore, the slope of a tangent to the polynomial at a head equal to zero is equal to the hydraulic conductivity (fig. 4).

Infiltration is the rate at which water moves through the surface and into the subsurface. The infiltration process can be explained by the Green-Ampt version of Darcy's equation for saturated flow: $i = K\,(H+L-h)/L$, where i is the infiltration rate, K is the hydraulic conductivity (ft/d), H is the ponding depth, h is the pressure head at the wetting front, and L is the depth to the wetting front (Green-Ampt, 1911). As infiltration progresses, the depth of the wetting front approaches a value significantly greater than the pressure head at which point the infiltration rate approaches the hydraulic conductivity.

For infiltration tests done in areas with deep water tables, the final infiltration rate is generally greater than the hydraulic conductivity due to drainage at the wetting front (Jury et al., 1991). The effect of drainage can be explained using the equation: $J_w = -K_s(H_2 - H_1) / (z_2 - z_1)$, where J_w is the infiltration rate, K_s is the hydraulic conductivity, H_1 is the hydraulic head at the wetting front, H_2 is the hydraulic head at land surface, and $(z_2 - z_1)$ is equal to the depth of the wetting front (Jury et al., 1991). If the wetting front from the infiltrated water does not encounter the water table, water is allowed to drain at the wetting front and the hydraulic head at the wetting front is zero. The infiltration rate will then be a product of the hydraulic conductivity and the hydraulic head at land surface divided by the depth of the wetting front. The Green-Ampt and Jury equations for infiltration can also be used to explain the estimation of hydraulic conductivity values from falling-head test data. As the depth of the ponded water inside the infiltrometer approaches zero, the Green-Ampt equation becomes $i = K$, and the Jury equation becomes $J_w = -K_s$.

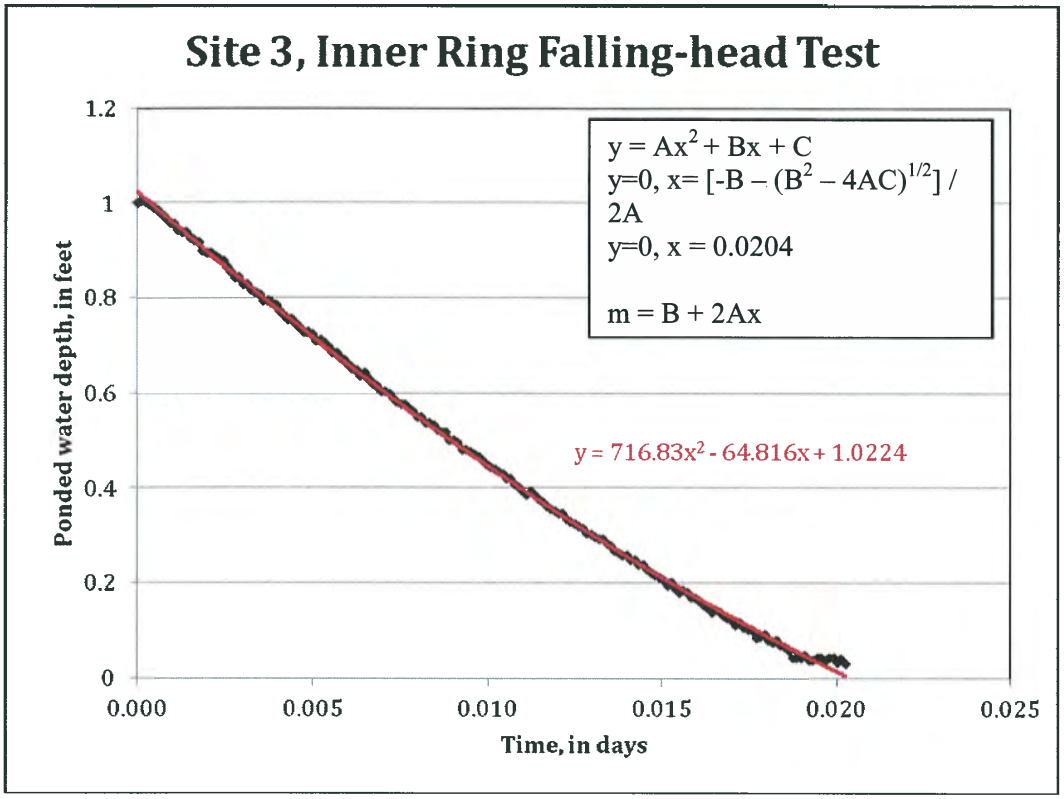


Figure 4. Data from a falling-head test done at infiltrometer test Site 3, Joshua Tree, California, displaying non-linearity of the data and the calculation of the slope of a tangent at y=0.

Results

All data from the constant-head tests displayed linearity, suggesting a constant infiltration rate throughout the test period (fig. 5). Sediments with high values of hydraulic conductivity will reach a constant infiltration rate quickly compared to sediments with low values of hydraulic conductivity, due to faster progression of the wetting front. It is possible that infiltration rates were higher for all of the tests, but decreased to a constant value before the first measurement was recorded. The measured infiltration rates are high at all three sites, ranging from 67 to 72 feet per day (ft/d) (table 1). The infiltration rates for all sites were similar to the hydraulic conductivity values for well-sorted sands to well-sorted gravels (table 2).

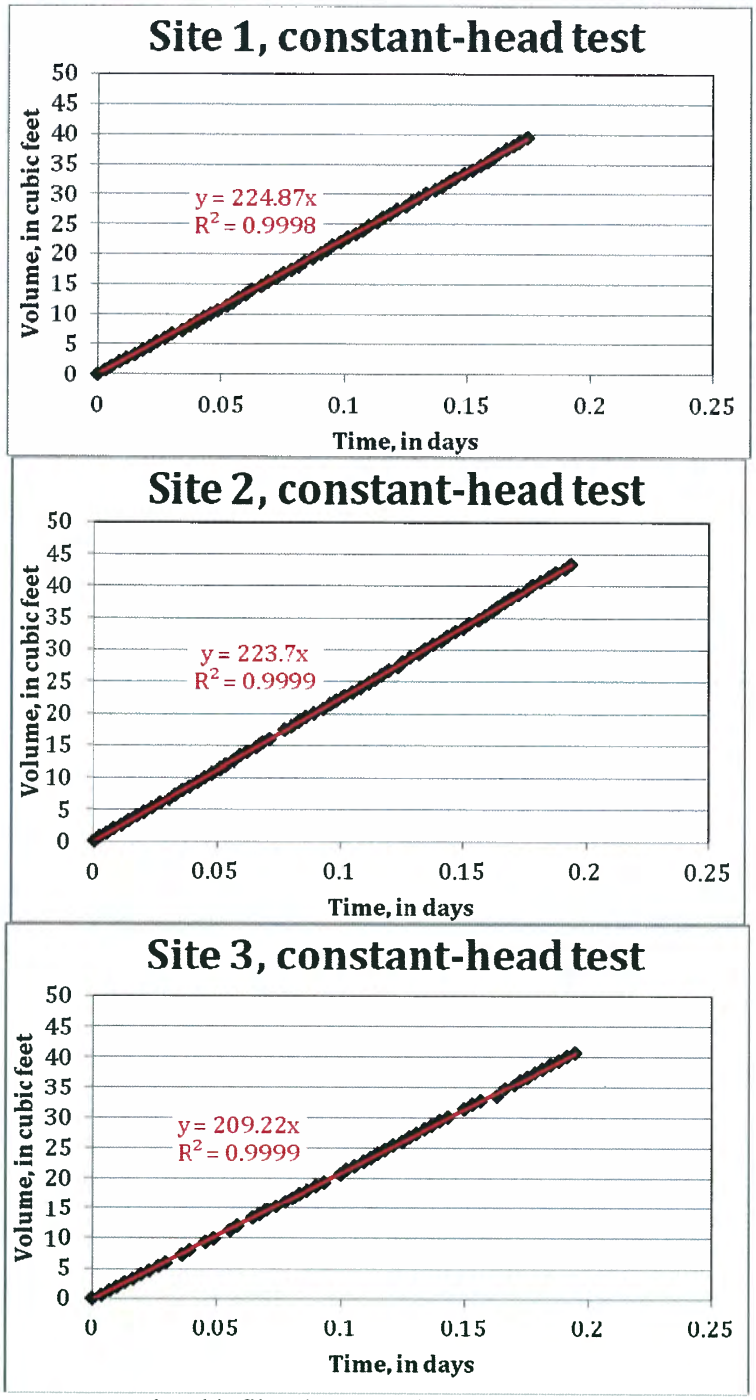


Figure 5. Data from constant-head infiltration tests done November 15-17, 2010 in Joshua Tree, California, displaying linearity.

Site	Latitude	Longitude	Date		Infiltration Rate (ft/d)	Hydraulic Conductivity (ft/d)
1	34.141	116.302	11/15/2010	Inner	71.62	48.03
				Outer		47.08
2	34.14	116.304	11/16/2010	Inner	71.24	69.57
				Outer		54.89
3	34.14	116.301	11/17/2010	Inner	66.63	35.63
				Outer		39.66

Table 1. Calculated infiltration rates and hydraulic-conductivity values from infiltrometer test locations in Joshua Tree, California.

Material	Hydraulic Conductivity (ft/d)
Clay	10^{-6} –10^{-3}
Silt, sandy silts, clayey sands, till	10^{-3} – 10^{-1}
Silty sands, fine sands	10^{-2} – 1
Well-sorted sands, glacial outwash	1 – 100
Well-sorted gravel	10 – 1000+

Table 2. Hydraulic-conductivity values of common materials.

The hydraulic-conductivity value at each site was estimated from data collected from the inner ring as well as the outer ring during the falling-head tests (table 1). A second-degree polynomial was fit to the falling-head test data for the three test sites to estimate hydraulic conductivity (fig. 4). The estimated hydraulic conductivity ranges from about 36 ft/d in the inner ring at site 3 to about 70 ft/d in the inner circle at site 2 (table 2). There is good agreement between the inner-ring and outer-ring hydraulic-conductivity values at all the test sites and all of the estimated hydraulic-conductivity values are in the range for well-sorted sands and well-sorted gravels (table 2). The difference in hydraulic-conductivity values measured at the sites probably is related to the grain size of the sediments at the sites. Sites 1 and 2 are predominately medium to coarse well-sorted sand, and their measured hydraulic conductivity values are higher than site 3, which is predominately medium well-sorted sand. The infiltration-rate values are greater than the estimated hydraulic conductivities at each site indicating that the wetting fronts at each test site did not reach the water table by the end of the test.

Proposed Work

No work is proposed for FFY11.

Total FFY 2011 cost for Task 2 - ***$0***

Task 3 – Data Collection

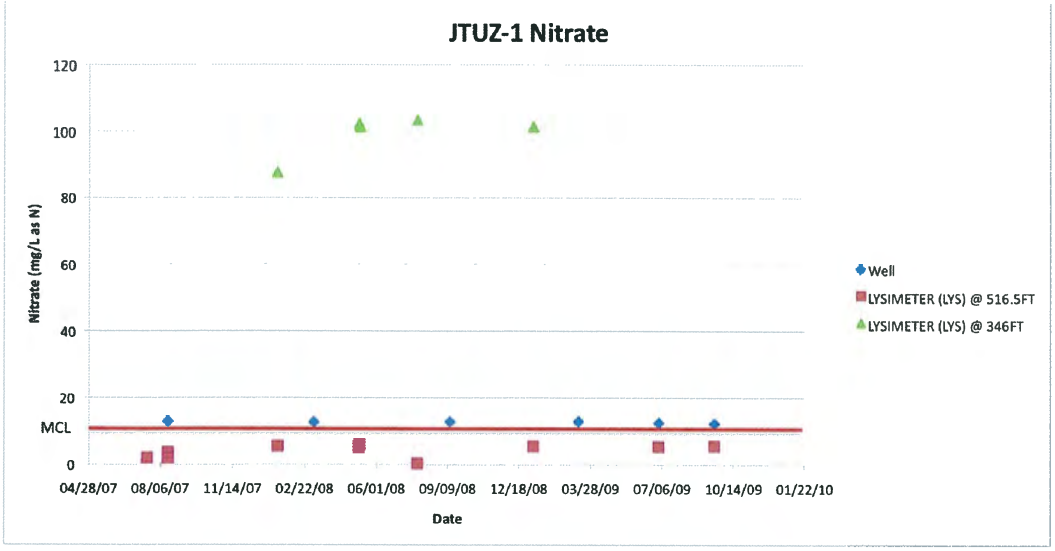
Progress

In FFY10, water-quality samples were collected from the lysimeters at JTUZ-1 and 2, volume permitting. The nitrate concentrations were very high (well above the MCL of 10 mg/L as N) in samples from JTUZ-1 lysimeters at 91 and 346 ft below land surface (bls) (fig. 6B). The nitrate concentrations in samples from the lysimeter at 91 ft bls were as high as 1,000 mg/L as N. These nitrate concentrations greatly exceed the nitrogen concentration commonly associated with septic-tank effluent. A possible source for these high concentrations is the mineralization and subsequent leaching of naturally occurring nitrogen in the unsaturated zone. Because of the desert climate, nitrogen from buried plant material has not been mineralized and leached by the percolation of rainfall for many thousands of years. The nitrate concentrations in samples from the lysimeter at 346 ft bls are about 100 mg/L as N (fig. 6A). These nitrate concentrations are on the high end of reported nitrate concentrations in septic-tank effluent. The nitrate concentrations were low (< 6 mg/L as N) in samples collected from JTUZ-1 lysimeter at 516 ft bls (fig. 6A). The low nitrate concentrations may indicate that the wastewater front has not yet reached the depth of the lysimeter or that denitrification is occurring in the unsaturated zone. Nitrate concentrations in samples from JTUZ-2 lysimeter at 61 ft bls ranged from about 20-45 mg/L as N (fig. 7). These nitrate concentrations are in the range of reported nitrate concentrations in septic-tank effluent.

The dissolved-organic carbon (DOC) concentrations exceeded 350 mg/L in samples from JTUZ-1 lysimeters at 346 and 516.5 ft bls; however, the DOC concentrations were low in samples from the well at JTUZ-1 (fig. 8). The DOC concentrations in samples from JTUZ-1 lysimeters at 346 and 516.5 ft bls are significantly higher than reported DOC concentrations in septic-tank effluent. Additional data need to be collected to determine the source of the high DOC concentrations. The tri-halomethane formation potential (THMFP) concentrations are very high in samples from JTUZ-1 lysimeters at 91 and 516.5 ft bls; THMFP concentrations were not analyzed in samples collected from the lysimeter at 346 ft bls because of low sample volume.

In addition to water-quality data, the water-level, matric-potential, and temperature data were collected from the unsaturated-zone instrumentation at JTUZ-1 and 2 (figs 10-13). Recent data are relatively constant with a slight decline in the JTUZ-1 water-level data (fig. 10). The data indicate that the wetting front monitored at JTUZ-1 has not reached the water table. The matric-potential data indicate that the front is between 343 and 461 ft bls (fig. 11A) while the suction-cup lysimeter data indicate that the wetting front is at least at 346 ft bls (fig. 6A).

A



B

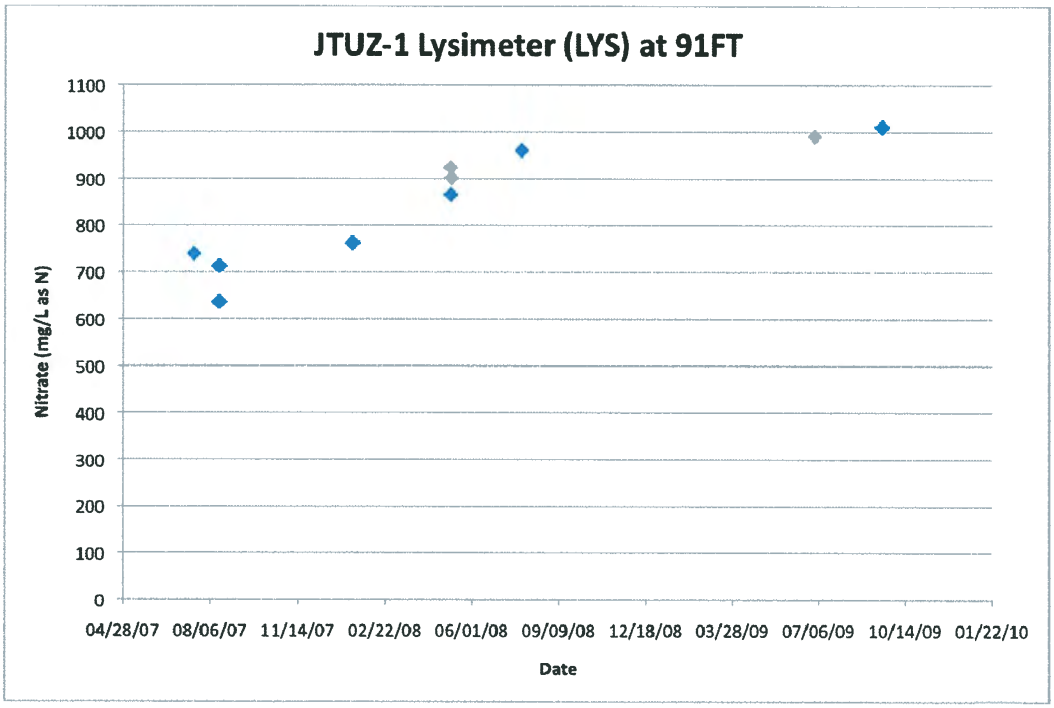


Figure 6: Time-varying nitrate concentrations collected from lysimeters at site YVUZ-1: A) Well, lysimeter at 516.5 ft and lysimeter at 346 ft; and B) lysimeter at 91 ft.

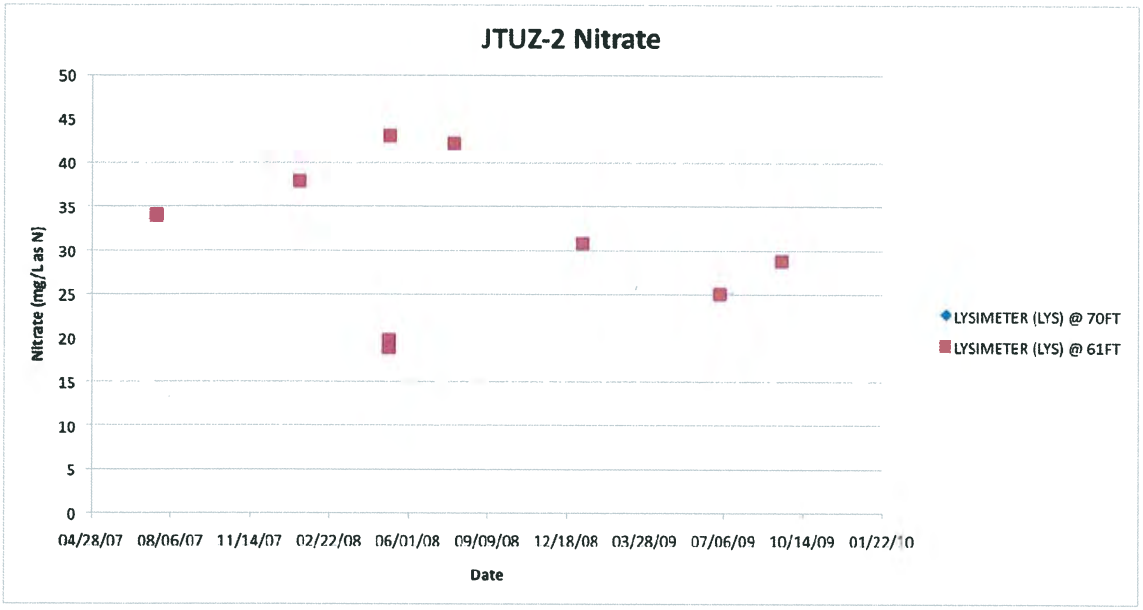


Figure 7: Time-varying nitrate concentrations collected from a lysimeter at site JTUZ-2

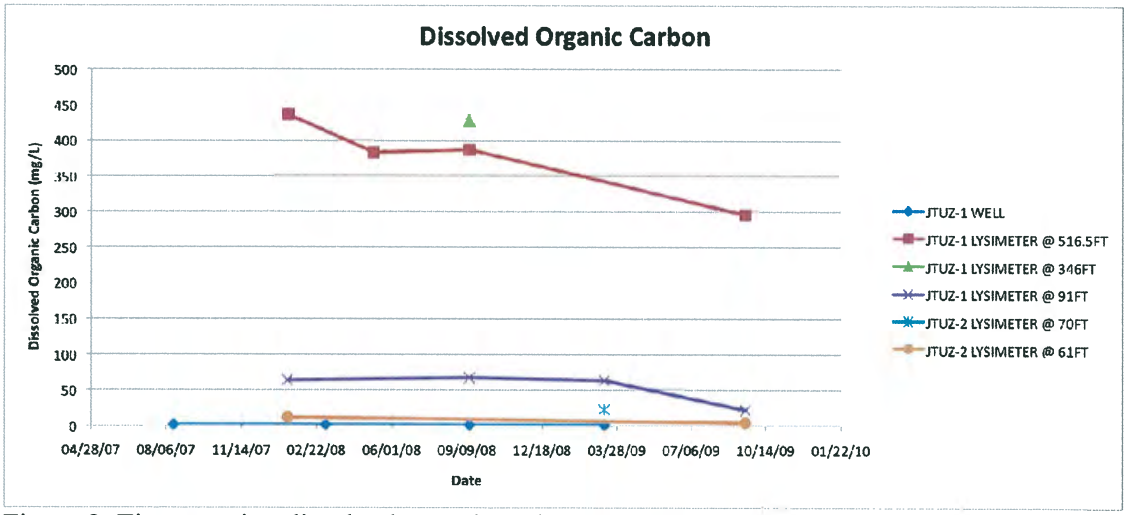


Figure 8: Time-varying dissolved-organic carbon concentrations from lysimeters at JTUZ-1 and 2 and the piezometer at JTUZ-1.

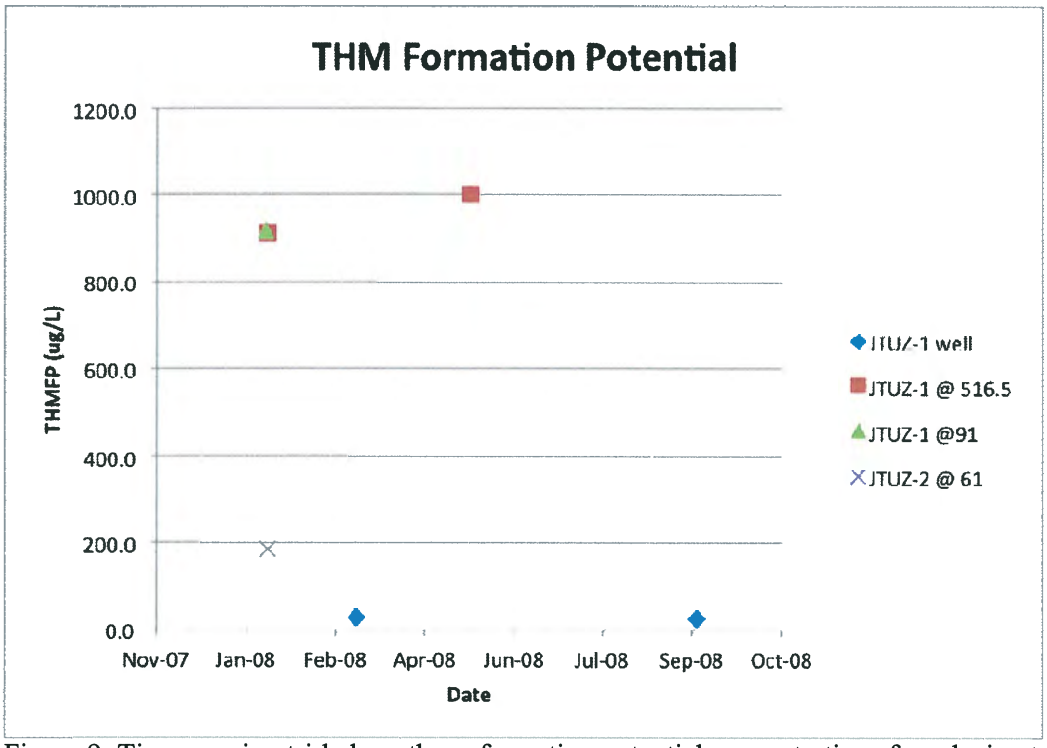


Figure 9: Time-varying tri-halomethane formation potential concentrations from lysimeters at JTUZ-1 and 2 and the piezometer at JTUZ-1.

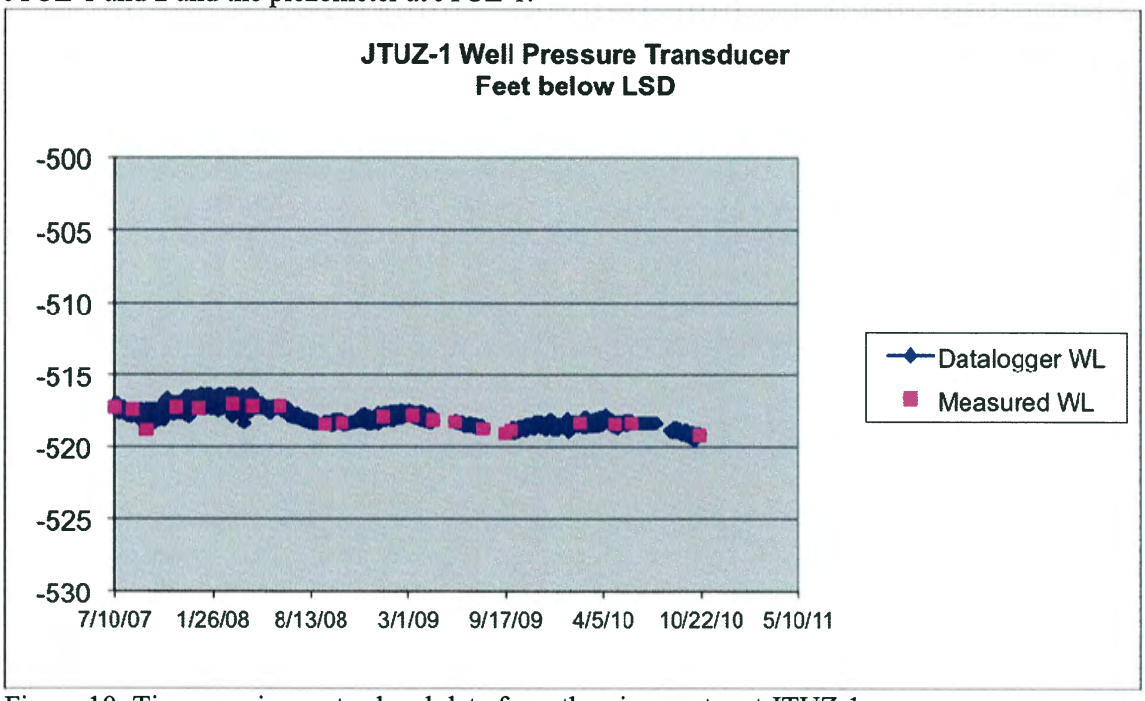
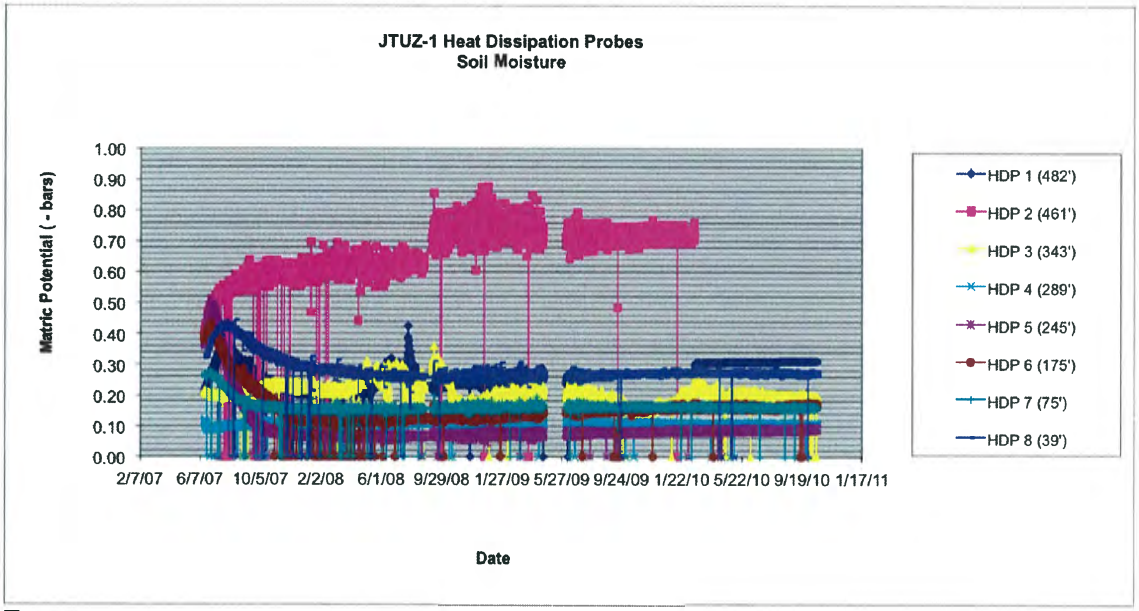


Figure 10: Time-varying water-level data from the piezometer at JTUZ-1.

A



B

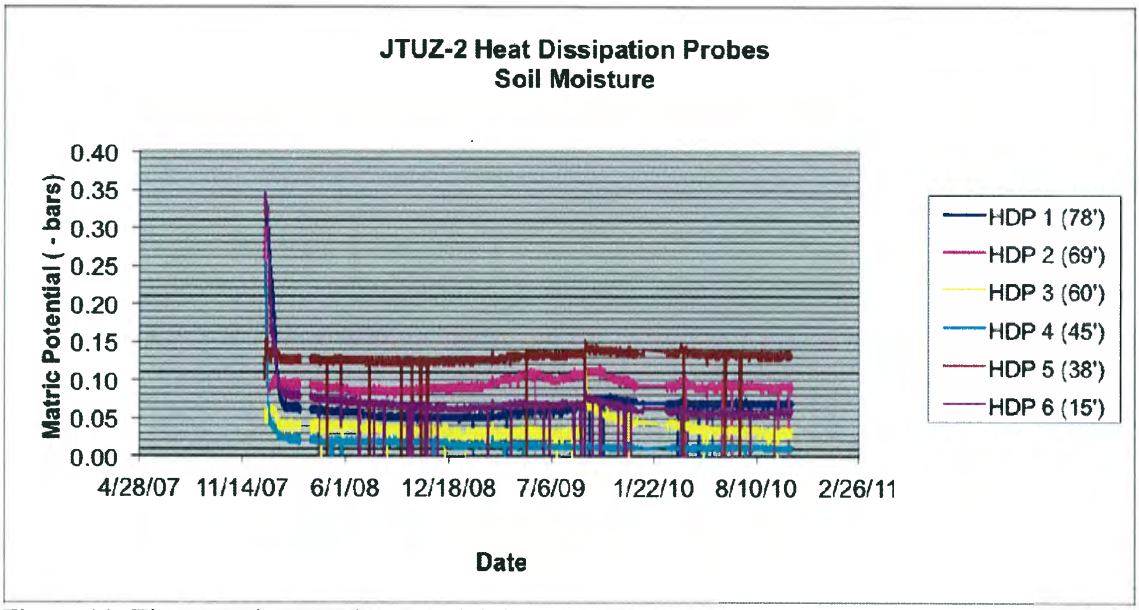
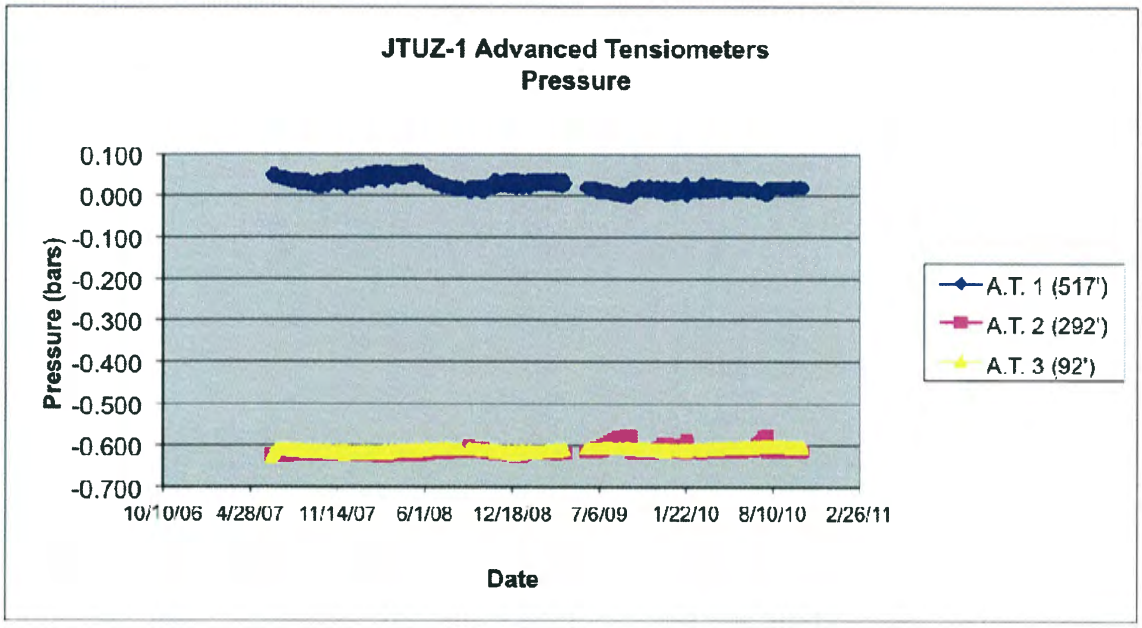


Figure 11: Time-varying matric-potential data from heat-dissipation probes at A) JTUZ-1 and B) JTUZ-2.

A



B

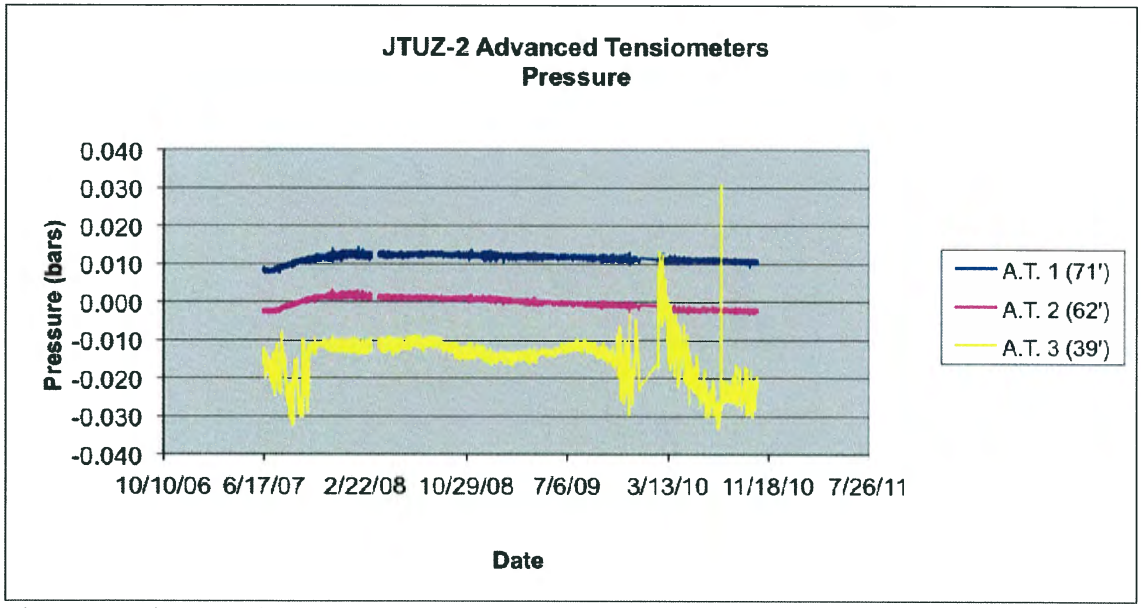
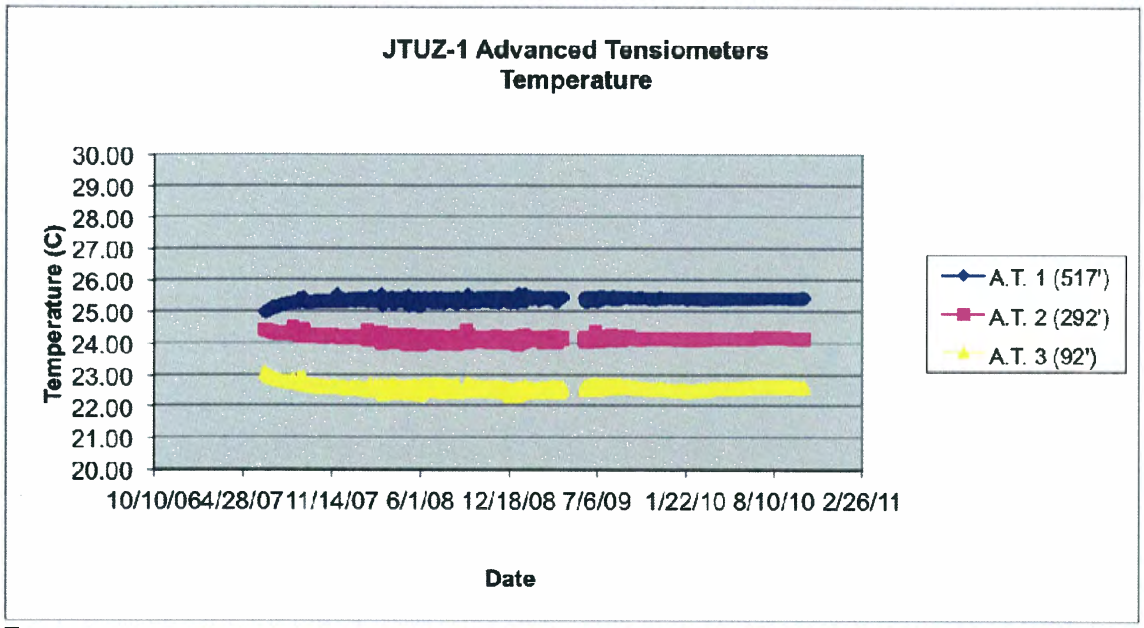


Figure 12: Time-varying matric-potential data from advanced tensiometers at A) JTUZ-1 and B) JTUZ-2.

A



B

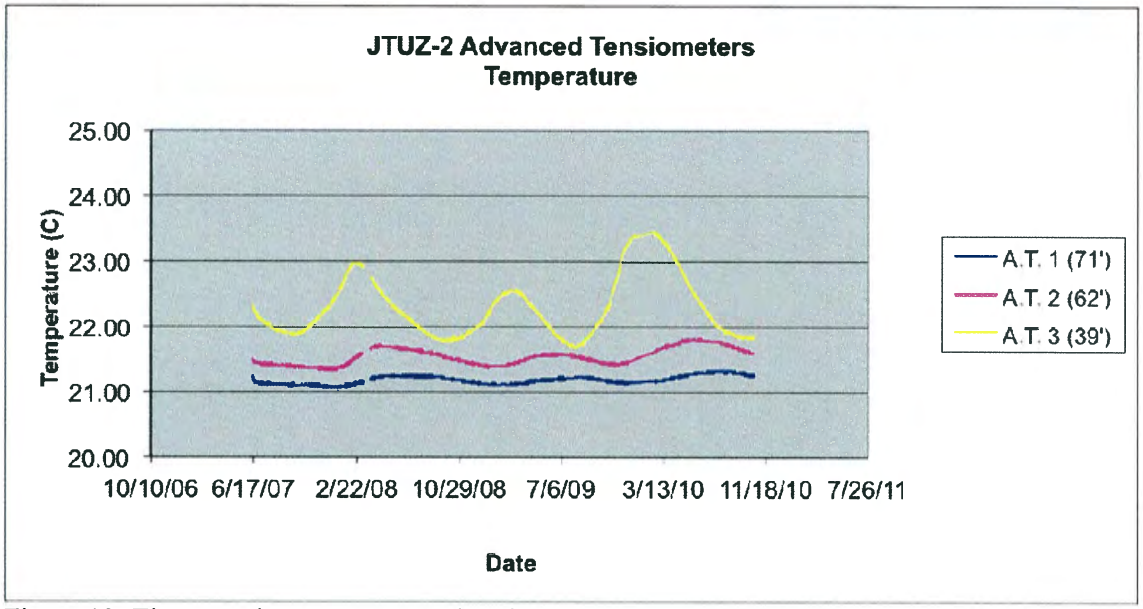


Figure 13: Time-varying temperature data from advanced tensiometers at A) JTUZ-1 and B) JTUZ-2.

Proposed Work

Water-level, matric-potential, and temperature data will be collected from the unsaturated-zone monitoring sites JTUZ1-4 at 4-hour intervals and downloaded bi-monthly. The water-quality data collected from JTUZ-1 lysimeters at 91 and 291 ft bls and the JTUZ-2 lysimeters are not changing with time; therefore, samples will not be collected from these sites in FFY11. Samples will be collected from the JTUZ-1 lysimeters at 346, 464, and 517 ft bls on a bi-monthly basis to monitor the downward movement of septic-tank effluent at the site. An electro-magnetic (EM) log will be collected at JTUZ-1 in FFY10 to determine the location of the wetting front. The cost of maintaining the instruments and data analysis is $26,500. The total cost of the lab analyses is $6,500. The cost of collecting the EM log and analyzing the results is $8,000.

Total FFY 2010 cost for Task 3 - $41,000

Task 4 –Unsaturated-Zone Flow and Nitrate Transport

Progress

The purpose of this task is to develop an unsaturated-zone flow and transport model that will allow a detailed, local-scale investigation of the effects of land use, and subsequent septic load, on groundwater quality in the Joshua Tree groundwater subbasin. A preliminary numerical model of the unsaturated zone in the Joshua Tree area was developed using the new simulator TOUGHREACT (Xu et al., 2004), which is TOUGH2 (Pruess et al., 1999) with the addition of reactive transport. TOUGHREACT is a numerical simulation program for chemically reactive non-isothermal flows of multiphase fluids in porous media. Basically, TOUGHREACT adds multi-component reactive solute transport to TOUGH2 and will better deal with the reactive chemistry of nitrates and other constituents in the unsaturated zone. At this time, the released version of TOUGHREACT does not contain biogeochemistry for biological decomposition of nitrate; however, the biogeochemistry has been successfully added to the research version and will be released within 3 months. The model being developed with the current version will be easily converted when the new code is released.

The initial modeling domain was approximately 1,476 ft (450 m) by 1,476 ft (450 m) (approximately 50 acres) (fig. 9). The model domain is 540 ft (165 m) deep with 13 alluvial layers based on review of the geophysical logs and laboratory analysis of borehole samples. The model contained approximately 67,500 grid elements with the surface area containing 16 model elements per acre. The preliminary results (discussed later) suggest that small lateral flow (fig. 10 and fig. 11); therefore, the modeling domain can be reduced by 70 percent and still provide similar results. This will greatly reduce the run time of the model to allow additional scenario development. One surface-model element is approximately 2,400 ft^2 (the approximate area of a typical leach field). This configuration allows for quarter acre parcel to contain four grid cells to test various locations for a septic leach field in the simulation and allows for development of as small as a quarter acre and maintains the flexibility to locate septic-leach fields within four locations in each quarter-acre parcel (larger parcels also will be tested). The lateral boundaries of the model are no-flow boundaries. The bottom boundary is the water table and the upper boundary is a standard atmospheric with specified flux of septic tank effluent. By assuming symmetry the modeling domain can be used to represent one quarter of the housing development by putting the housing in the corner of the domain such that coalescent leach fields can only migrate outward from the center of the housing development. This also allows for faster

simulation time but would get the same results as long as the leach field migration does not reach the edge of the modeling domain.

The initial housing density of four housing units per acre in a 25-acre development centered in a 200 acre open space was used test TOUGHREACT (fig. 10). We assume that each housing unit contributes 220 gallons per day as septic-tank effluent. Under these conditions the septic-tank effluent reaches the water table in 25 years and reaches steady state in about 100 years (fig. 11). The effluent plume extends approximately 200 feet (60 m) beyond the edge of the housing development into the open space in the unsaturated zone by the time it reaches the water table. The vertical distribution of calibrated saturated vertical hydraulic conductivity values is shown in figure 12.

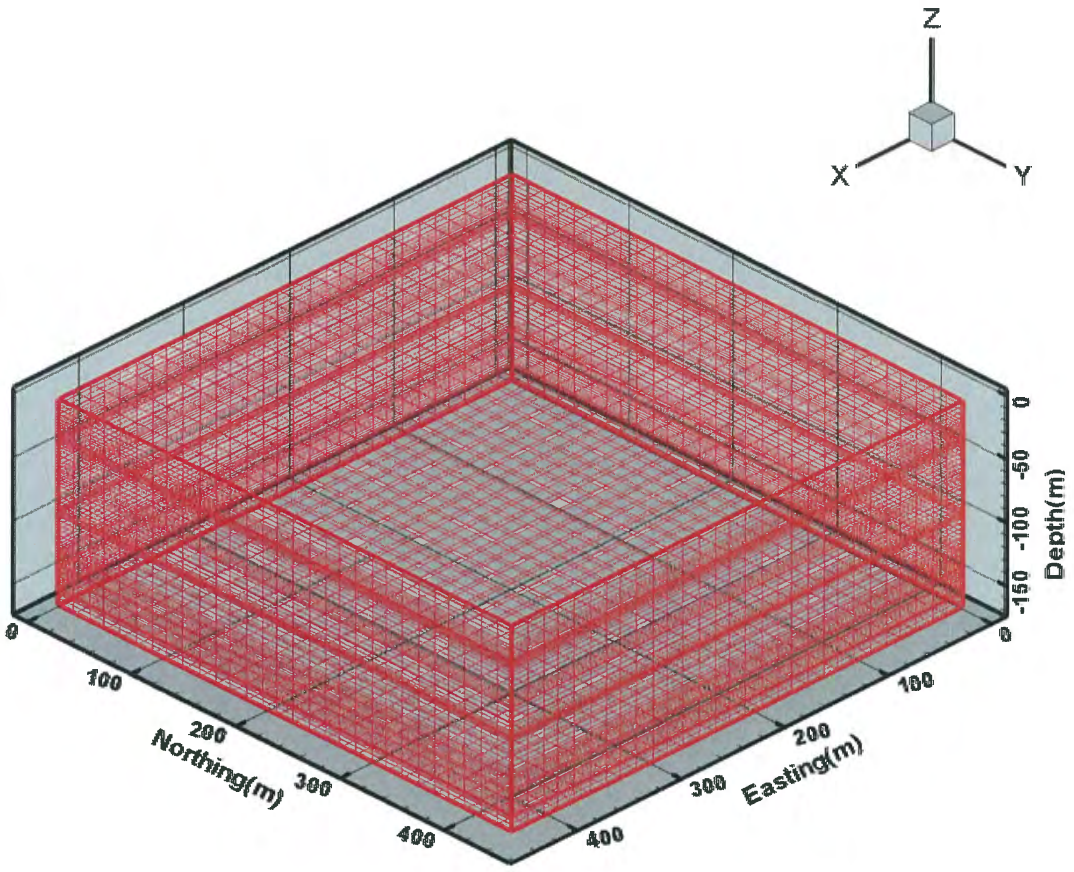


Figure 9: TOUGHREACT finite-element model grid

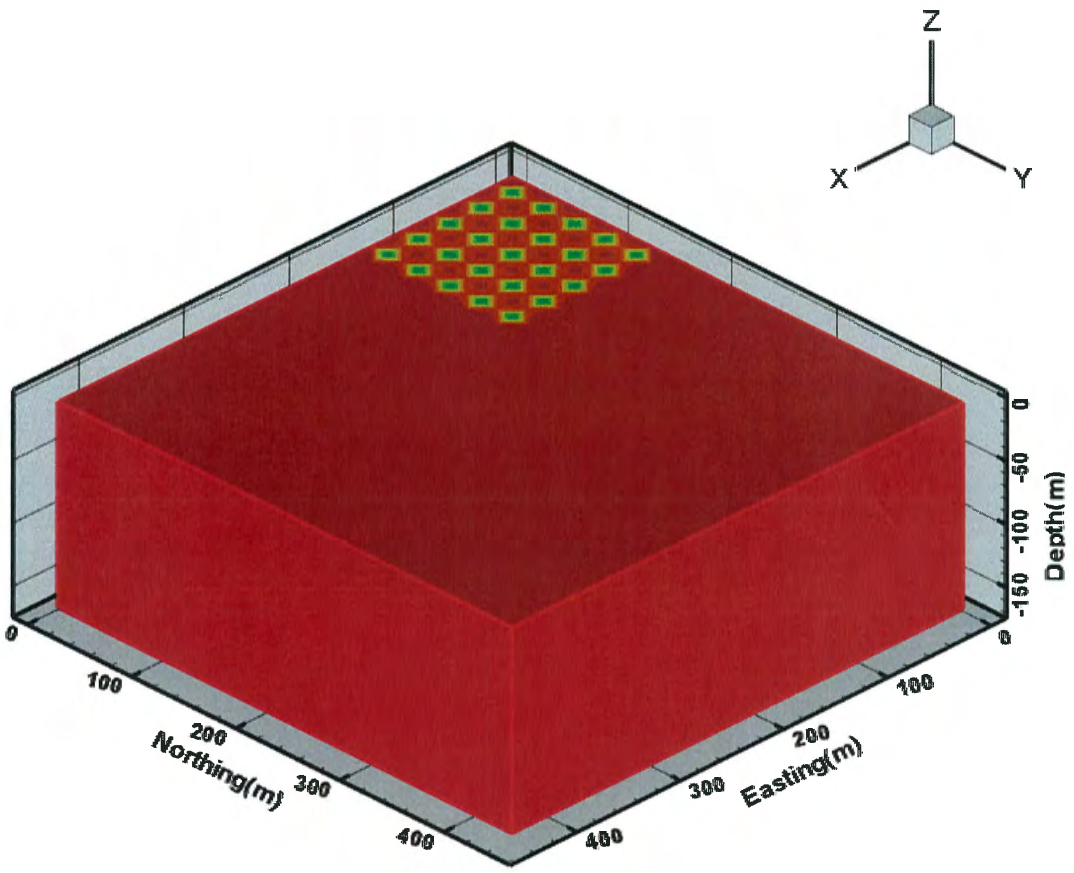


Figure 10: Locations of septic tanks for quarter-acre development TOUGHREACT simulations.

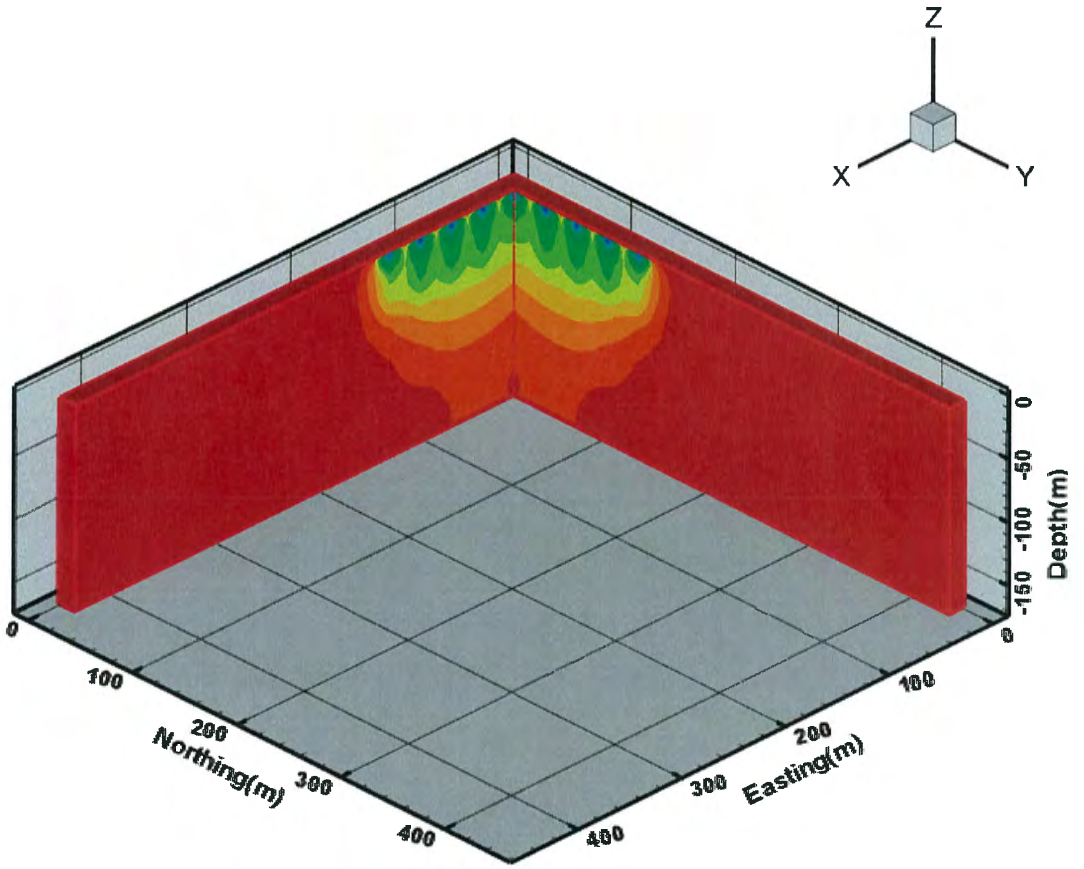

Z
X
Y
0
100
200
300
400
Northing(m)
0
100
200
300
400
Easting(m)
0
-50
-100
-150
Depth(m)

Figure 11A

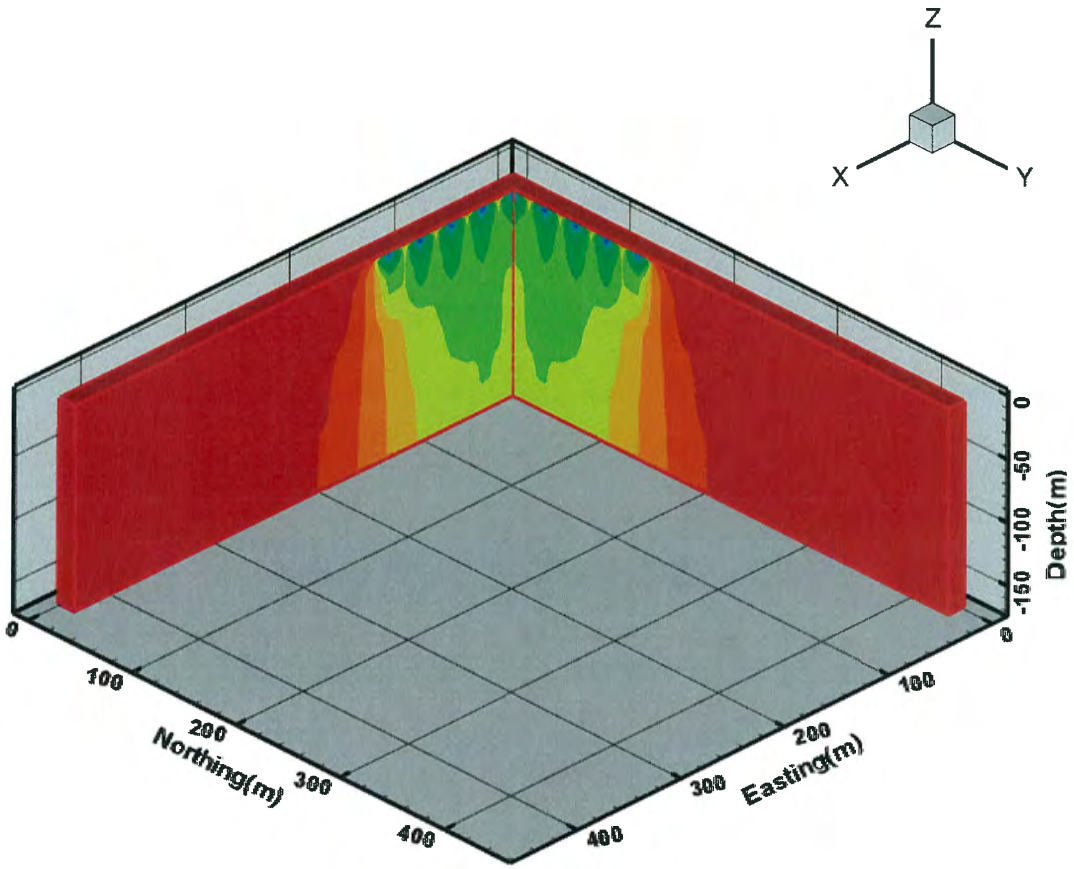


Figure 11B

Figure 11: Simulated water content for: A) 25 years and B) 100 years; the cooler colors indicate higher fluxes.

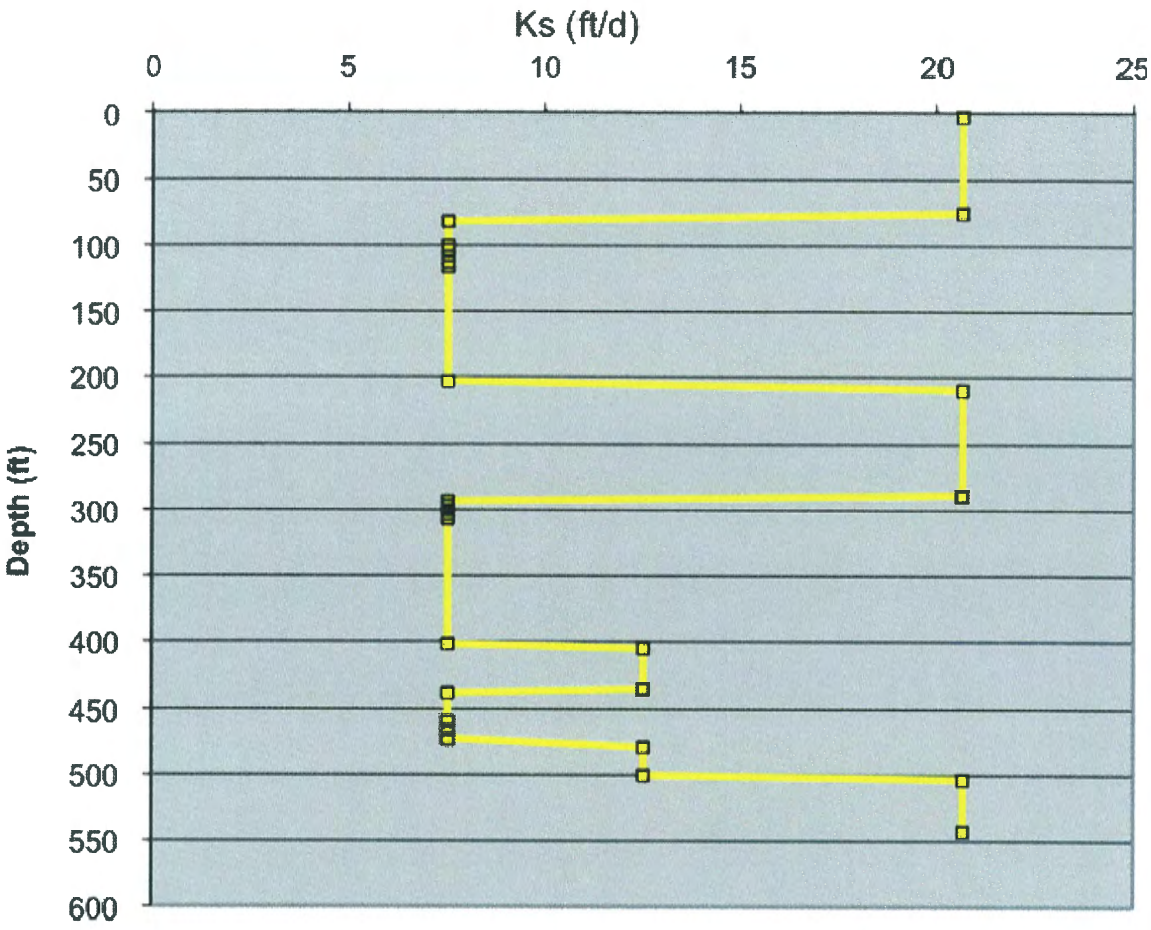


Figure 12: Vertical distribution of calibrated saturated vertical hydraulic conductivity values used in the TOUGHREACT model.

Proposed Work

The TOUGHREACT model will be run to steady state using multiple housing density configurations to determine the time require for equilibrium, the concentration of nitrate in the unsaturated at the water table, and the total amount of recharge. These simulations will allow for the evaluation of the potential for interaction between leach fields, the interaction with natural unsaturated (and saturated) zone water with a different chemistry (to evaluate chemical interaction), the potential for perched water developing and the travel time from the leach field to the saturated zone.

A radial, axi-symetric TOUGHREACT model will be used to determine the dimensions of a septage wetting front from a typical domestic septage leach field where it intersects the water table. As the septage migrates downward from the leach field to the water table it spreads out laterally as it encounters changes in grain size and permeability in the unsaturated zone. The area of the footprint will be used as a minimum size of the solute transport grid described in Task 5. The solute transport model will be used to estimate the maximum housing density that could be maintained in the Joshua Tree area without creating water-quality problems.

The radial, axi-symetric TOUGHREACT model also will be used to determine if the lateral migration of septage and the subsequent leaching of natural soil nitrogen, could be the source of the high nitrate concentrations measured in samples from JTUZ-1. Naturally occurring nitrate, are present in desert soils (Walvoord et al., 2003) and may be the source of the observed high nitrate concentrations in JTUZ-1. Naturally occurring high nitrate concentration will be simulated in the surficial soils under predevelopment conditions to investigate the fate of naturally occurring nitrates when mixed with water from septic-tank leech fields. A fixed flux of septic-tank effluent with known concentrations of nitrate and DOC will be simulated at near-surface model nodes representing a typical septic-tank leach field. Initial soil and water-quality characteristics, estimated from data collected from JTUZ-1 and other test holes in the study area, will be input into the model domain. The model will simulate the moisture content and solute concentration for each model cell in the model domain after 50 years of septic-tank operation.

The housing units upgradient of JTUZ-1 were established between the mid 1950's - mid 1980's based on available on-line data (fig. 13). These dates will be used as a constraint in the evaluation of vertical infiltration rates from septic-tank effluent at JTUZ-1. As stated previously, soil-moisture data indicate that the septic-tank wetting front has reached a depth of at least 343 ft but not 461 ft (fig. 6A). In addition, the temperature data observed at JTUZ-2 (fig. 8) will be used to refine the model calibration by incorporating heat flow in the TOUGHREACT model.

Total FFY 2011 cost for Task 4 - ***$35,300***

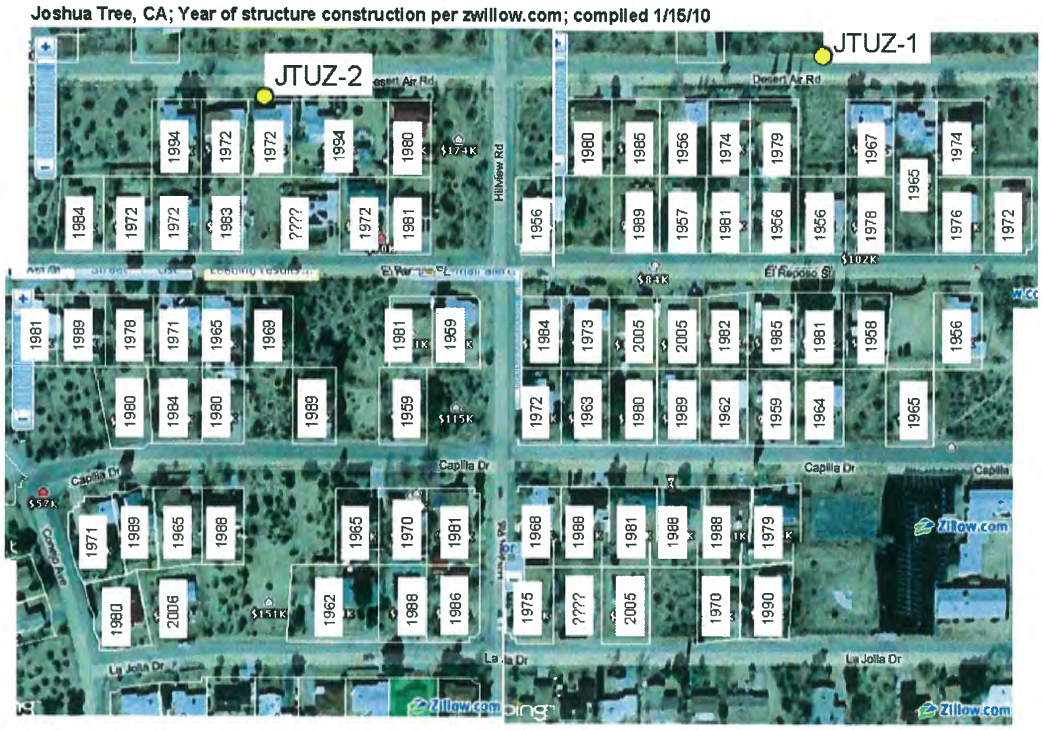


Figure 13: Approximate construction dates of houses upgradient of JTUZ-1 and 2.

Task 5 – Evaluate Regional Effects

The purpose of this task is to test the regional effects of land–use plans and associated septic-discharge fluxes on groundwater quality. The effect of different pumping and artificial-recharge schedules on regional water quality will be investigated. These results will help guide groundwater development by JBWD.

Progress

In FFY08, the existing groundwater-flow model was converted to MODFLOW-2005 (MF2005) (Harbaugh, 2005) and updated to June 2008 conditions. To better define the mixing of septic-tank effluent with the underlying groundwater, layer 1 of the original model was divided into two layers. There are now four layers in the regional groundwater-flow model. The top of layer 1 is the water table and the top of layer 2 is 2,150 ft. The horizontal discretization was refined from 820-ft grids to 105-ft grids; therefore, each model cell represents about one-quarter acre.

Geophysical and well data collected since the original groundwater-flow model was developed were used to update the spatial distribution of hydraulic parameters to better reflect the hydrogeology of the Joshua Tree groundwater basin. The unknown hydraulic parameters of layers 1 and 2 were estimated using trial-and-error.

Water-use, aerial photos, assumed water-demand, and year-2000 census data were used to estimate the historic septic load on the groundwater system. Projected wastewater loads on a per parcel basis assuming that every parcel is developed were used to estimate the maximum septic load on the groundwater system. JBWD supplied 2004-07 water-use data by parcel. It was assumed that the average winter (November-March) water demand was representative of domestic water use (i.e., minimal irrigation). The build-out (i.e., every parcel within the JBWD service area is developed) wastewater loads assuming 220 gal/day/EDU were provided by Dudek and Associates (Michael Metts, Dudek and Assoc., personal commun., 2009), a JBWD consultant.

It is assumed that the average septic-tank effluent flux at an individual parcel is equal to 80 percent of the average volume of water supplied during the winter months at that parcel. The septic-tank effluent is routed to the water table using the recharge (RCH) package. The RCH simulates recharge as instantaneously reaching the water table; this is not realistic because it may take decades for recharge to flow through the unsaturated zone. Therefore, the estimated effluent was delayed by 25 years per the TOUGHREACT results. For example, the 1951 effluent was assumed to reach the water table in 1976. Prior to 1976, only natural recharge reached the water table. The total estimated septic-tank effluent by aerial-photo timeframes are shown in table 1.

Years	Natural Recharge (AFY)	Septic-Tank Effluent (AFY)	Total Recharge (AFY)
1951-1955	122.57	51.89	174.45
1956-1960	122.57	76.69	199.26
1961-1965	122.57	96.30	218.87
1966-1971	122.57	110.94	233.51
1972-1979	122.57	140.15	262.72
1980-1986	122.57	170.23	292.79
1987-1991	122.57	223.12	345.68
1992-1995	122.57	225.69	348.26
1996-2001	122.57	234.47	357.03
2002-2008	122.57	240.86	363.43
Build-out	122.57	3,621.87	3,744.44
2 Houses per acre	122.57	4,531.48	4,654.04

Table 3: Simulated and projected flowrates for natural recharge, septic-tank effluent, and total in acre-ft/yr (AFY).

The solute-transport model was developed using MT3DMS (Zheng and Wang, 1999). MT3DMS simulates the three-dimensional advective-dispersive transport of multiple species. MT3DMS requires groundwater-flux data simulated by MF2005. The primary unknown parameters affecting solute transport are longitudinal and transverse (horizontal and vertical) dispersivity. The solute-transport model was not calibrated due to a lack of measured nitrate data; therefore, representative values of longitudinal and transverse dispersivities used by Nishikawa et al. (2003) to model the neighboring Warren subbasin were used (750 ft, 250 ft and 2.5 ft for longitudinal, horizontal transverse, and vertical transverse dispersivities, respectively). Currently, the UZF package is not compatible with MT3DMS; the author of MT3DMS and the USGS is addressing this.

The nitrate concentration of the natural recharge was assumed to equal 10 mg/L as nitrate (Nishikawa et al., 2003). Nishikawa et al. (2003) showed that the nitrate concentration of the septic-tank effluent in the neighboring Warren subbasin ranged between 220 and 350 mg/L as nitrate. For this work, a nitrate concentration of 278 mg/L as nitrate was assumed for the septic-tank effluent.

Three 50-year scenarios were tested: (1) the build-out occurs instantaneously in July 2008 and septic-tank effluent from the build-out reaches the water table in 2033; (2) scenario 1 with 4,000 acre-ft/year of artificial recharge starting in July 2008; and (3) uniform housing density of two houses per acre starting in 1958 with the septic-tank effluent reaching the water table in 1983. The simulation period for scenarios 1 and 2 was July 2008 to June 2058. Note that reported pumping for July 2007 to June 2008 were used for the scenarios and were assumed to be constant over the simulation period. This assumption implies that any additional water-supply is provided by imported water. The total septic-tank effluent for build-out conditions is shown in table 1.

The simulated results for Scenario 1 indicate year-50 nitrate concentrations greater than 180 mg/L as N in the Joshua Tree subbasin and greater than 180 mg/L as N in the Copper Mountain subbasin. If 4,000 acre-ft/yr of imported water is recharged (Scenario 2) the simulated year-50 nitrate concentrations are between 20 mg/L (near the artificial-recharge site) and 160 mg/L as N

in the Joshua Tree subbasin and as high as 180 mg/L in the Copper Mountain subbasin. Assuming a housing density of 2 houses per acre (Scenario 3) results in year-50 nitrate concentrations of about 100 mg/L as N throughout the Joshua Tree subbasin and are as high as 220 mg/L as N in the Copper Mountain subbasin.

In FFY10, the MT3DMS model was calibrated to measured nitrate data. The USGS and the authors of MT3DMS did not complete the link between MODFLOW-2005 and MT3DMS using the UZF package; however, a work-around was developed. The UZF parameters were refined via trial and error to better reflect the 25-year travel time for septic-tank effluent to reach the water table. The calibrated models were used to test the regional effects of land-use plans and associated septic-discharge fluxes on groundwater quality.

Proposed Work

No work is proposed in FFY11.

Total FFY 2011 cost for Task 5 - ***$0***

Task 6: Report Results

At least three publications will result from this project. The construction of monitoring site JTUZ-4 and the data collected from this site will be incorporated into the Open-File Report (OFR) describing the construction of JTUZ-1 and 2. The OFR for JTUZ-1 and 2 is ready for publication; however, for completeness and timeliness, the data for JTUZ-3 and 4 will be added to this report. A journal paper describing the geochemistry of the high nitrate and DOC in the unsaturated zone will be submitted for publication by September 30, 2011. A Scientific Investigations Report describing the results of the groundwater-flow and solute-transport modeling and the TOUGHREACT modeling will be completed for review by September 30, 2011.

Total FFY 2011 cost for Task 6 - ***$183,600***

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JOSHUA BASIN WATER DISTRICT
SUPPLEMENTAL DATA SHEET
AGENDA ITEM

Regular Meeting of the Board of Directors August 3, 2011

To: President and Members of the Board
From: Susan Greer

TOPIC: Board of Directors to Consider Approving Resolution #11-873 Fixing the Rate of Taxation Within ID#2

RECOMMENDATION: Approve Resolution #11-873, decreasing the property tax rate for Improvement District #2 from $0.0272 to $0.0240 per $100 of assessed valuation.

HISTORY: The attached resolution and calculation are routine and required annually to set the tax rate for Improvement District Number 2. The tax money collected is used to pay the general obligation bond debt service.

The information presented is based upon preliminary assessed value information from the County of San Bernardino. They are experiencing some kind of difficulty this year and running even more late than usual with this information. Since a tax rate MUST be provided to the County by August 5th for inclusion on the tax rolls, we have prepared the calculation based upon the available preliminary data. The corrected, final assessed value information will be received early next week, in time to rework the calculation prior to the Board meeting. The County will not speculate on how the final numbers might compare to the preliminary, so the final tax rate calculation could be either higher or lower.

The bonds, authorized in the June 1974 election, are held by USDA Rural Development and bear an interest rate of 5%. The bonds, payable through 2015, were sold for the purpose of acquisition, repair and construction of a water utility plant including wells, booster stations, reservoirs and transmission and distribution pipelines. Once approved by the Board, a copy of the Resolution is forwarded to the County property tax department for inclusion with the November 2011 property tax bills.

The proposed tax rate is $0.0240 (approximately two and four tenths cents) per $100 of assessed value. A short history of the

rate and the assessed values within the District is presented below:

Year	Net Assessed Value	Increase (Dec)	Tax Rate per $100	Increase (Dec)
11/12	474,116,218	(3%)	$0.0240	(12%)
10/11	490,204,707	(3%)	0.0272	5%
09/10	503,416,705	(7%)	0.0258	9%
08/09	544,064,129	12%	0.0237	(10%)
07/08	487,109,841	16%	0.0264	(13%)

This year, property tax values have decreased 3% in the District, resulting in a decrease to the tax rate of 12%. For a property valued at $200,000, the proposed rate results in a tax of $48.00, a decrease of $6.40 from last year.

RESOLUTION 11-873

A RESOLUTION OF THE BOARD OF DIRECTORS
OF THE JOSHUA BASIN WATER DISTRICT
FIXING THE RATE OF TAXATION WITHIN
IMPROVEMENT DISTRICT NUMBER 2
FOR FISCAL YEAR 2011/2012

WHEREAS, the Joshua basin Water District is organized and exists pursuant to the County Water District law of the State of California (Section 30000 et seq of the Water Code) and, as such, is authorized to levy taxes on behalf of any Improvement District of the District, and

WHEREAS, Improvement District Number 2 of the Joshua Basin Water District has been formed and has authorized a general obligation bond issue of Two Million Dollars ($2,000,000) all of which said bonds have been issued and sold.

NOW THEREFORE, BE IT RESOLVED by the Board of Directors of the Joshua Basin Water District as follows:

1. That the rate of taxation within Improvement District Number 2 for the fiscal year 2011/2012 for payment of principal and interest on bonded indebtedness of said Improvement District is hereby fixed at the rate of $0.0240 per One Hundred Dollars ($100.00) of assessed valuation upon all taxable property within Improvement District Number 2.

2. That the General Manager of the District is hereby authorized and directed to file certified copies of this resolution with the Auditor of the County of San Bernardino.

ADOPTED this 3RD day of August 2011.

By _____
Mickey Luckman, President

Attest _____
Joe Guzzetta, Board Secretary

2011/2012 TAX RATE CALCULATION

Improvement District Number 2

PRELIMINARY

2011/2012 Secured Assessed Value	$436,186,921
2011/2012 Unsecured Assessed Value (based upon County's 92% collection factor)	$4,536,560

Unsecured Tax Rate Calculation
(based upon last year's secured rate; billed automatically by the County)

4,536,560 / 100 = $45,365 $45,365 x .0272 = $1,234

2011/2012 Debt Service

Principal	$100,000
Interest	21,500
Less: Unitary Revenue	-15,504
Less: Unsecured tax reimbursement (above)	-1,234
	$104,762

Secured Tax Rate Calculation

$436,186,921 / 100 = $4,361,869 $104,752 / $4,361,769 = $0.0240

2011/2012 IMPROVEMENT DISTRICT NO. 2 TAX RATE

$0.0240 PER $100 ASSESSED VALUE

JOSHUA BASIN WATER DISTRICT
SUPPLEMENTAL DATA SHEET

Regular Meeting of the Board of Directors August 3, 2011

Report to: President and Members of the Board
From: Joe Guzzetta, General Manager

TOPIC: CAPITAL PROJECTS FOR 2011-2012 AND 2012-2013

RECOMMENDATION: That the Board receive the list of capital projects for information and continue for consideration of financial reserve balances.

ANALYSIS: Attached is the list of capital projects that previously have been identified by the Board and staff.

The timing of the projects is based on operational considerations but does not take into account fund and reserve balances.

Within the next two meetings staff expects to have the anticipated fund balances and reserves updated, including designated reserves, to show how much funding is available each year for these projects.

SUPPLEMENTAL BUDGET PROJECTS
2012-2013

	Job #	Year 1	Year 2
FIELD PROJECTS			
High Desert Medical Center Waste Water Package Plant To be paid by HDMC - see matching revenue at end of list.	Z37	***$1,500,000***	
Large Meter Bypasses Currently, in order to test or remove a large meter, the service needs to be disconnected. This is a serious problem for some large meters such as the hospital and Continuing Care. The bypass will allow the meters to be removed and replaced without discontinuing service.		***$30,000***	
15,000 Feet Mainline Replacement A portion of the total 80,000 feet that needs replacing, already designed by Nolte. The board committee has proposed that this can be completed at a substantial savings of $700,000 by allowing construction to be completed over an extended time.	817	***$200,000***	
Well #10 Noise and vibration at the well require diagnosis. Cost is to pull pump, disassemble and diagnose and perform a video log of the well.		***$50,000***	
Valve & Fire Hydrant Maintenance Program Repair or Replace 100 Valves at $1,000 each.	901	***$50,000***	***$50,000***
Chlorination System ***A. Replace Chlorination Pumps - 4 at $3,000 each.*** Current pumps are over 10 years old and unreliable. New pumps will operate with SCADA.		***$12,000***	
***B. Chlorine* analyzers w/telemetry programming** Install analyzers to monitor chlorine residual at up to four remote sites.		***$20,000***	
Relocate C-2-A Tank to H-Zone This project has already been designed and would relocate a 500,000 gallon tank from the "C zone" where it is no longer needed, to the "H Zone" where it is severely needed. The cost will eventually be reimbursed to the operational budget from future capacity fees in the H-Zone. Staff is reviewing the cost of moving the tank in comparison to the installing of a new one.	802	***$300,000***	***$300,000***
D-3-1 New Booster pumps and Housing The pumps at this booster station operate at a very low efficiency rate such that it is timely to replace them.		***$250,000***	
Security (Motion Sensors) at Shop and Well 10 This would provide security to an expanded area at the shop.			***$20,000***
Flow Meter Refurbishment 3 remaining flow meters with digital displays and telemetry plus DTS programming.	917	***$20,000***	
Pressure Reducing Station replace/refurbishment Assess and overhaul or replace PRV/PSV/Altitude valve over a three year period. 12 are in use, estimated completion of 6 more at $3,000 each plus $2,000 for incidentals. 2 will be completed in year one, 4 in year two.		***$20,000***	***$40,000***

	Job #	Year 1	Year 2
Storage Bays for Rock, Sand, Asphalt			***$6,300***
This will allow for more orderly storage of rock, sand, and asphalt which are used regularly in normal district operations. This is a low priority, deferring until development necessitates.			
Reservoir Land Acquisition	Z28	***$50,000***	
The Master Plan identifies 27 to 37 million gallons of additional reservoir storage that will be needed to operate the District in the future. The Board has approved acquiring the land before the most ideal parcels are developed, especially for reservoirs which are constrained by altitude, proximity to the existing system, and other considerations.			
Hauling Station Coin/Card Reader – Under Study	005		***$15,000***
Staff is considering a system to enable selling of water at the hauling station. This will be used as a central location for contractors and county and state agencies to avoid drawing water from fragile areas in other zones. It will also be used for emergency water distribution. This will also allow us to eliminate our old hauling stations which are not up to code.			
Altitude Valves at C2B, C-1, and C-3 Tanks -- SCADA Controls at C2-B		***$40,000***	***$35,000***
The three tanks in the C zone are at different altitudes. If the one at the highest altitude is filled, the other two overflow. These valves will prevent the overflowing.			
Drainage at C-2-B		***?***	
EMERGENCY PREPAREDNESS IMPROVEMENTS			
System Reliability Upgrade for Hospital and County Complex C, B and D-3 Zones			***$258,000***
This entire area has one single water supply feed. It doesn't have a redundant water supply for emergency situations. Staff has proposed a secondary, "emergency," source.			
Boring $90,000.0 Construction $168,000.0 $258,000.0			
Well 10 & 14 Soft Start Bypass - Generator Controls		***$20,000***	
The new 600 KW generators need this equipment in order to operate properly at the two largest producing wells, well 10 and well 14.			
Earthquake Shut Off Valves for Three Tanks -- C2-B, C-1 and B			***$80,000***
Currently, if a pipe from a reservoir is broken the entire reservoir can be drained unless a valve is manually located and shut off. This, or another similar system, will provide a feature to the two major C tanks and the B tank serving the hospital, that will shut off in the event of an earthquake or other event that results in an unusually large amount of water draining from the tank.			
Transfer Switches at Remaining Booster Sites		***$30,000***	***$30,000***
These switches are needed in order to be able to use the emergency generators at the pump stations.			

	Job #	Year 1	Year 2
Emergency Supplies		***$8,500***	***$8,500***
These include food, water, cots, etc. for serious emergencies for employees			
OFFICE PROJECTS			
Customer Service Account Filing System		***$30,000***	
Parcel files have expanded past our current storage area and can't be locked. This will allow us to store, secure and access our current files and any new files for the foreseeable future.			
Office and Board Room Renovation		***$20,000***	
This provides for the renovation of the Board Room and carpeting of all offices.			
Fire Cabinet for Maps		***$6,000***	
Record Archival System		***$30,000***	***$45,000***
This will eventually enable the District to maintain more electronic files for easier access and less physical storage.			
Incode Version 10 Upgrade			***$65,000***
Upgrade to more user-friendly software version, including more reporting and search capability, in addition to adding some lacking features. $20,000 budgeted in Year 1 has not been spent; this replaces that budget.			
Update District Fees	Z49	***$15,000***	
This will determine what rate changes are needed in the next several years to maintain services.			
Space Needs Assessment for Office Building Addition		***$10,000***	
A needs assessment will determine how much space the District needs for an Emergency Operating Center in order to apply for grant construction funds.			
Total Capital Improvement Costs		***$2,711,500***	***$952,800***
Income from HDMC Waste Water Package Plant		***$1,500,000***	
Final Total		***$1,211,500***	***$952,800***

Replacement Reserve		
Replacement Reserve Annual Allotment	***$100,000***	***$100,000***
Replacement Reserve Funded Items		
2 Trucks - 3/4 or 1/2 Ton	***$60,000***	
Plotter	***$10,000***	
Vacuum Trailer – *for pot holing and valve maintenance.*		***$7,000***
	$70,000	***$7,000***

JOSHUA BASIN WATER DISTRICT
SUPPLEMENTAL DATA SHEET

Regular Meeting of the Board of Directors August 3, 2011

Report to: President and Members of the Board
From: Joe Guzzetta, General Manager

TOPIC: DONATION OF SCRAP WELL CASINGS FOR 29 PALMS PISTOL & RIFLE CLUB

RECOMMENDATION: That the Board declare as surplus three six-inch 20-foot well casings and authorize transfer to the 29 Palms Pistol & Rifle Club.

ANALYSIS: The District has several sections of scrap well casing that were removed from Well #2 several years ago. The casing is to be declared surplus and removed as scrap. Typically the District would pay to have the casing removed.

The 29 Palms Pistol & Rifle Club, a non-profit organization, has become aware of the casing and have a use for it.

Donation of the casing will eliminate the need to pay to have it removed.

29 Palms Pistol & Rifle Club

21 July 2011

To: Joshua Basin Water District
61750 Chollita Road
Joshua Tree, California 92252

From: 29 Palms Pistol & Rifle Club
P.O. Box 301
Twentynine Palms, California 92277

General Manager & Board of Directors

We at the 29 Palms Pistol and Rifle Club are a Non-Profit Organization serving the Public, Law Enforcement, and local Educational Programs here in the High Desert. It would be greatly appreciated if your company would donate three 6" 20 foot Well casings for our non-profit use, it is my understanding that the requested Well casing is considered to be scrap. Thank you for your Help.

Respectfully Submitted,

R. Scott Edwards
Range Officer, 29 Palms Pistol & Rifle Club

Project Priority List

PROJECTS NEARING COMPLETION

Personnel Policy Manual (Joe Guzzetta)
This will be considered during labor negotiations this year.

PROJECTS UNDERWAY

Conduct Fee Study/Update Rate Study (Susan Greer – Year 1)
The Board approved Bartle Wells Associates to conduct a fee study at a cost not to exceed $14,700, including 10% contingency.

Election to Charge Private Wells for Replacement Water
Attorney is reviewing election options.

Property Acquisition for Future Water Facilities (Joe Guzzetta – Year 1)
The Master Plan identifies 27 to 37 million gallons of additional reservoir storage that will be needed to operate the District in the future. Staff proposes to begin acquiring the land before the most ideal parcels are developed, especially for reservoirs which are constrained by altitude, proximity to the existing system, and other considerations. Potential sites are under evaluation. . The Board has authorized staff to prioritize the proposed sites and receive some preliminary information from CE Prime to consider phasing the acquisition of the parcels.

Recharge Basin & Pipeline Project (Joe Guzzetta)
Property has been purchased. Monitoring well has been installed. Final design contract was awarded to Krieger & Stewart Engineers at August 4th Board meeting and is about 70% complete. Construction is contingent on Proposition 84 and other funding.

Final Phase of 4" Pipe Replacement (Director Luhrs, Director Wilson, Joe Guzzetta)
Priorities have been established. 15,000' of pipeline has been designed with 60,000' yet to be designed. Completion design and construction of this project is pending a financial strategy to be considered by the Board. Referred to Board Committee (Luhrs/Wilson) at the January 19, 2011 Regular Board Meeting. The Committee has recommended installing 15,000 feet of pipe.

Record Archival System (Susan Greer – Year 1)
Staff had second presentation. This will eventually enable the District to maintain more electronic files for easier access and less physical storage.

Hauling Station Coin/Card Reader – Under Study (Jim Corbin – Year 1)
Staff is considering a system to enable selling of water at the hauling station.

PROJECTS COMPLETED

Update Urban Water Management Plan (Joe Guzzetta – Year 1)
The Public Hearing was held and the 2010 UWMP approved on June 15th.

Field Laptop Computers (Keith Faul – Year 1)
Laptops are installed

Well #16 (Randy Little)
The well has been completed and is permitted by Department of Health Services.

Hot Master + Backup Computer – SCADA (Randy Little – Year 1)
Complete. This computer provides backup to the Telemetry System.

LAFCO Mandatory Municipal Services Review (Joe Guzzetta – Year 1)
State law requires LAFCO to conduct a review of each agency's boundaries and services (at agency cost) to determine the appropriateness and to recommend any changes. LAFCO will conduct a hearing on January 19.

PROJECTS NOT BEGUN: YEAR 1

Develop/Update Board Policies and Procedures (Susan Greer)

Update 3030 Plan (Joe Guzzetta)

Staff intends to solicit proposals for this project.

Fire Cabinet for Maps (Keith Faul – Year 1)

Custom Software Programming (Susan Greer/Keith Faul – Year 1)

Staff is re-assessing this issue and considering whether modifications to the existing software or an upgrade to the Version X software which adds the lacking features plus more is a better alternative.

GIS Server for Field Login (Keith Faul – Year 1)

Field crew will receive laptop computers to be used in the field for more accuracy and efficiency. This server is needed in order to connect to the GIS system.

Pressure Reducing Station Replace/Refurbishment (Randy Little – Years 1-2)

Assess and overhaul or replace PRV/PSV/Altitude valve over a three year period. Twelve in use, one completed.

PROJECTS NOT BEGUN: YEAR 2

Carpet for Office (Terry Spurrier – Year 2)

D31 New Booster Pumps and Housing (Randy Little – Year 2)

The pumps at this booster station operate at a low efficiency rate such that it is timely to replace them.

Chlorine Analyzers With Telemetry Programming (Randy Little – Year 2)

Install analyzers to monitor chlorine residual at up to four remote sites.

***Flow Meter* Refurbishment** (Randy Little – Year 2)

Four remaining flow meters (2 this year) with digital displays and telemetry plus DTS programming.

Storage Bays for Rock, Sand, Asphalt (Jim Corbin – Year 1)

This will allow for more orderly storage of rock, sand, and asphalt which are used regularly in normal district operations. This item is being moved to Year 2 because lack of meter sales/leaks under pavement has reduced the need for these materials at this time.

Asphalt Installation Equipment – Under Study (Jim Corbin – Year 2)

Altitude Valves at C2B, SCADA Electric Controls C1 and C3 Tanks (Randy Little – Year 2)

These valves will prevent the overflowing of the C Zone tanks.

Space Needs Assessment for Office Building Addition (Joe Guzzetta – Year 2 (per Board deferral)

A needs assessment will determine how much space the District needs for an Emergency Operations Center in order to apply for grant construction funds. This item was discussed at the August 4, 2010 Board meeting, and deferred.

Relocate C2 Tank & J Booster (Randy Little – Years 2-3)

This project has been designed and would relocate a 500,000 gallon tank from the C Zone where it is no longer needed to the H Zone where it is severely needed. The project was deferred pending funding.

System Reliability Upgrade for Hospital and County Complex; C, B and D3 zones (Jim Corbin – Years 2-3)

This entire area has one single water supply feed. It does not have a redundant water supply for emergency situations. Staff has proposed a secondary "emergency" source.

PROJECTS NOT BEGUN: YEAR 3

Security (Motion Sensors) at Shop and Well 10 (Randy Little – Year 3)

This would provide security to an expanded area at the shop.

EMERGENCY PREPAREDNESS PROJECTS: (Postponed to determine funding potential)

Well 10 and 14 Soft Start Bypass – Generator Controls (Randy Little – Year 1)
The new 600 KW generators need this equipment in order to operate properly at the two largest producing wells.

Earthquake Shutoff Valves for Three Tanks (Randy Little – Year 1)
Currently, if a pipe from a reservoir is broken the entire reservoir can be drained unless a valve is manually located and shut off. This will provide automatic shutoff in case of earthquake to the two major C tanks and the B tank serving the hospital.

Transfer Switches at Remaining Booster Sites (Randy Little – Year 1)
The switches are needed in order to be able to use the emergency generators at the pump stations.

Large Meter Bypasses (Jim Corbin – Year 1)
Currently, in order to test or remove a large meter, the service needs to be disconnected. This is a serious problem for some large meters such as the hospital. The bypass will allow the meter to be removed and replaced without discontinuing service.

Emergency Supplies (Rick Cook – Years 1-2)
These include food, water, cots, etc. for serious emergencies for employees.