



Established in 1918 as a public agency  
**Coachella Valley Water District**

**Directors:**

Peter Nelson, President - Div. 4  
John P. Powell, Jr., Vice President - Div. 3  
Patricia A. Larson - Div. 2  
Debi Livesay - Div. 5  
Franz W. De Kloetz - Div. 1

**Officers:**

Steven B. Robbins, General Manager-Chief Engineer  
Julia Fernandez, Board Secretary

Redwine and Sherrill, Attorneys

December 10, 2012

File: 0306.315  
0322.1  
0332.2  
0645.6  
0645.61

Paul Matuska  
U.S. Bureau of Reclamation  
Lower Colorado Regional Office  
Post Office Box 61470  
Boulder City, NV 89006-1470

Dear Mr. Matuska:

Subject: 2012 Coachella Canal Lining Project Mitigation Water

The estimated 2012 environmental mitigation water for the Coachella Canal Lining Project (Project) through December 31, 2012 is projected to be approximately 2,325 acre-feet. Please find enclosed a table outlining the methodology of the estimated water use.

Thus, it is projected that the remaining 2,525 acre-feet, of the 4,850 acre-feet committed for environmental use, is available from the Project for diversion to San Diego County Water Authority.

If you any questions or require additional information, please contact Carrie Oliphant, Engineering Manager, at extension 2268.

Yours very truly,

J. M. Barrett  
Acting General Manager

Enclosure/1/as

cc: See attached list

CO:ch/eng/im/12/Dec/CC Lining Mitigation



cc: Dave Fogerson (with enclosure)  
San Diego County Water Authority  
4677 Overland Avenue  
San Diego, CA 92123

Mojgan Poursadighi (with enclosure)  
San Diego County Water Authority  
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Jennifer McCloskey (with enclosure)  
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Bill Hasencamp (with enclosure)  
Executive Program Manager  
Metropolitan Water District of Southern California  
Post Office Box 54153  
Los Angeles, CA 90054-0153

CO:ch/eng/irr/12/Dec/CC Lining Mitigation

**Coachella Canal Lining Project**  
**2012 Environmental Mitigation Water Use**  
**(Projected through December 31, 2012)**

**2012 Calculations**

1. **Mammal Ponds**:  $365 \text{ days} \times 0.42 \text{ acre-feet (AF)/day} = 153 \text{ AF}^* \times 11/12 = 140 \text{ AF}$   
(removing January 2012 – mammal ponds were not in service)

\*  $56 \text{ ponds} \times 1.7 \text{ gpm} \times 0.0044 = 0.42 \text{ AF/day}$  estimated by GEI Hydrologist

2. **Unlined Canal Recharge**:  $959 \text{ AF} \times 12/11 = 1,046 \text{ AF}$

3. **Dos Palmas/AquaFarms Recharge (8" Siphon)**:  $1,044 \text{ AF} \times 12/11 = 1,139 \text{ AF}$

**Total Projected 2012 Environmental Mitigation Water Used: 2,325 AF**

