



**Date:** May 25, 2011  
**To:** Board of Directors  
**From:** Ed Muzik, General Manager  
**Prepared & Presented by:** Mark Ban, Director of Operations

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**AMES VALLEY WATER BASIN ANNUAL REPORT  
FOR PERIOD JANUARY 2010 THROUGH DECEMBER 2010**

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**Recommendation:** Board to receive and file the Ames Valley Water Basin Annual Report for the period January 2010 through December 2010.

**Fiscal Impact:** \$4,528 FY 10/11 – (HDWD share of monitoring report)

**Background:** The Ames Valley Water Basin Annual Report is prepared pursuant to the Ames Valley Water Basin Agreement between Hi-Desert Water District and Bighorn-Desert View Water Agency dated January 10, 1991. It provides for extraction of up to 800 acre-feet per year by HDWD from the “mainstream well” (Well 24E). This well is located outside of the District boundary on Bureau of Land Management (BLM) land. The mesa area of the District is situated in the Ames Valley Water Basin. Water from this Basin is allocated for the Mesa. The Ames Valley Water Basin is in overdraft, evidenced by the decline in well levels over time. The Agreement provides for groundwater monitoring, which this report accomplishes.

**Summary as of December 2010**

- Overdraft - Mainstream Well (Well 24E) water surface elevation has dropped 32 feet below 1993 levels. (This is now below the minimum level established by the Agreement).
- Water Quality – Total dissolved solids (TDS) and alpha levels have had measurable increases. Increases in fluoride, TDS and alpha levels are within the limits of the Agreement
- Water Production – The total produced by HDWD from mainstream well (Well 24E) for 2010 was 457.28 acre-feet.

Similar to what Hi-Desert Water District did for the Warren Basin, Bighorn-Desert View Water Agency and Mojave Water Agency are preparing a Groundwater Management Plan and recharge project to correct the overdraft of the Ames Valley Water Basin. Hi-Desert Water District and the County of San Bernardino County Special Districts are participants in this project. The Ames Valley Basin will remain in overdraft until such corrective measures are taken.