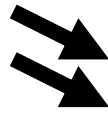
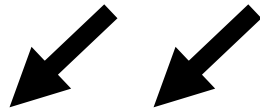
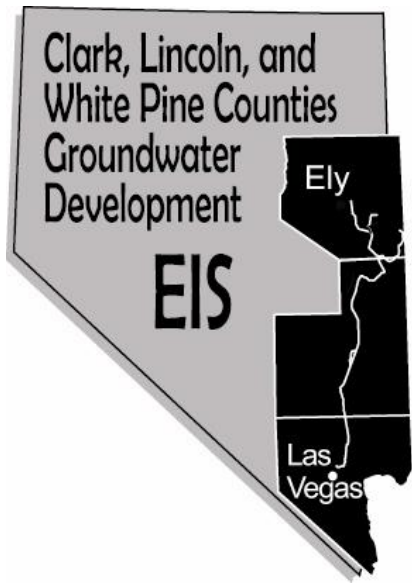


# David vs. Goliath

Eastern Nevada's Range Lands  
vs.  
The Southern Nevada Water Authority

Presented by Valerie Lavenburg  
Nevada Section



*Man-made  
Lake Las Vegas  
and golf course*





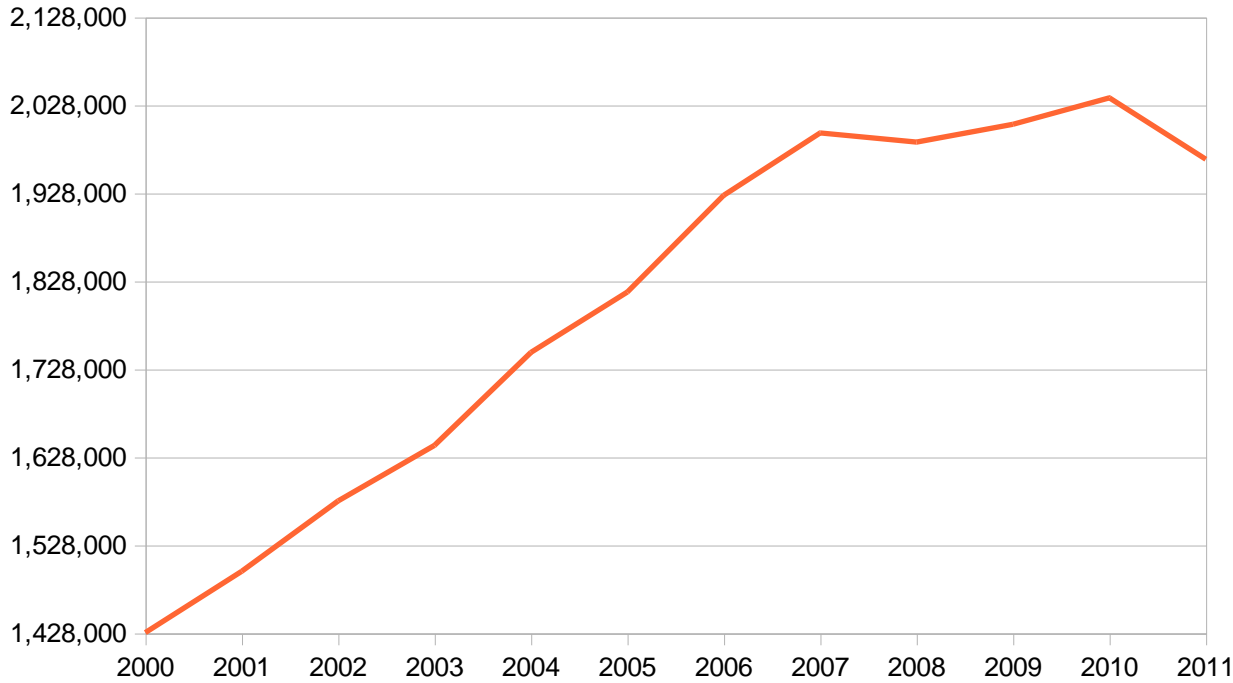


# **Southern Nevada Water Authority Pipeline Project**

- Pump up to 200,000 acre-feet (about 65 billion gallons) of water annually
- Cost is close to \$16 billion
- 12,000 acres of land would be cleared of vegetation resulting in soil erosion and dust storms

# End of Las Vegas Population Boom

2000	1,428,690	
2001	1,498,279	4.87%
2002	1,578,332	5.34%
2003	1,641,529	4.00%
2004	1,747,025	6.43%
2005	1,815,700	3.93%
2006	1,925,654	6.06%
2007	1,996,542	3.68%
2008	1,986,146	-0.52%




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**Albuquerque** <150 gallons per capita daily

**Tuscon** 95 gallons per capita daily

**International Water Usage**

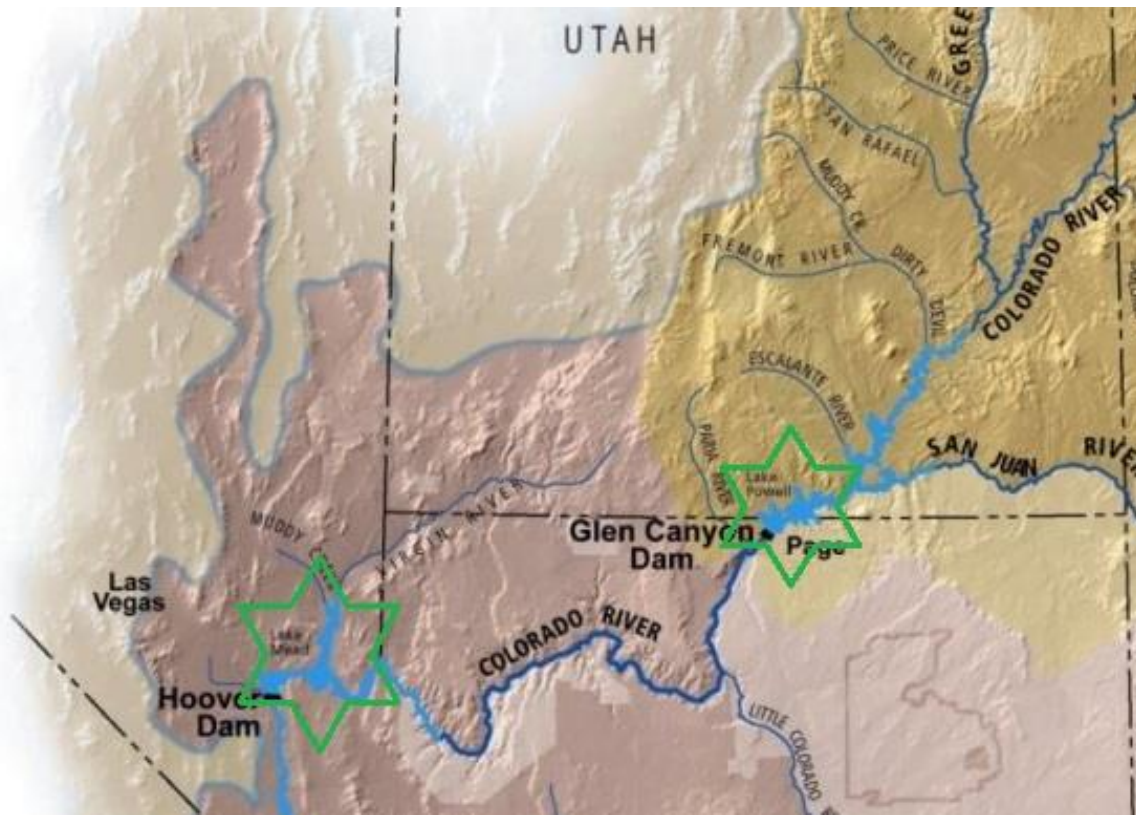
- Australia – 92 gpcd
- Canada – 79 gpcd
- United Kingdom – 35 gpcd
- Germany – 28 gpcd
- Netherlands – 27 gpcd
- India – 8 gpcd
- Kenya – 3.5 gpcd
- Gambia – 1.2 gpcd



AWPCA Annual Conference  
May 3, 2006

Down the Drain: Where is our water going?

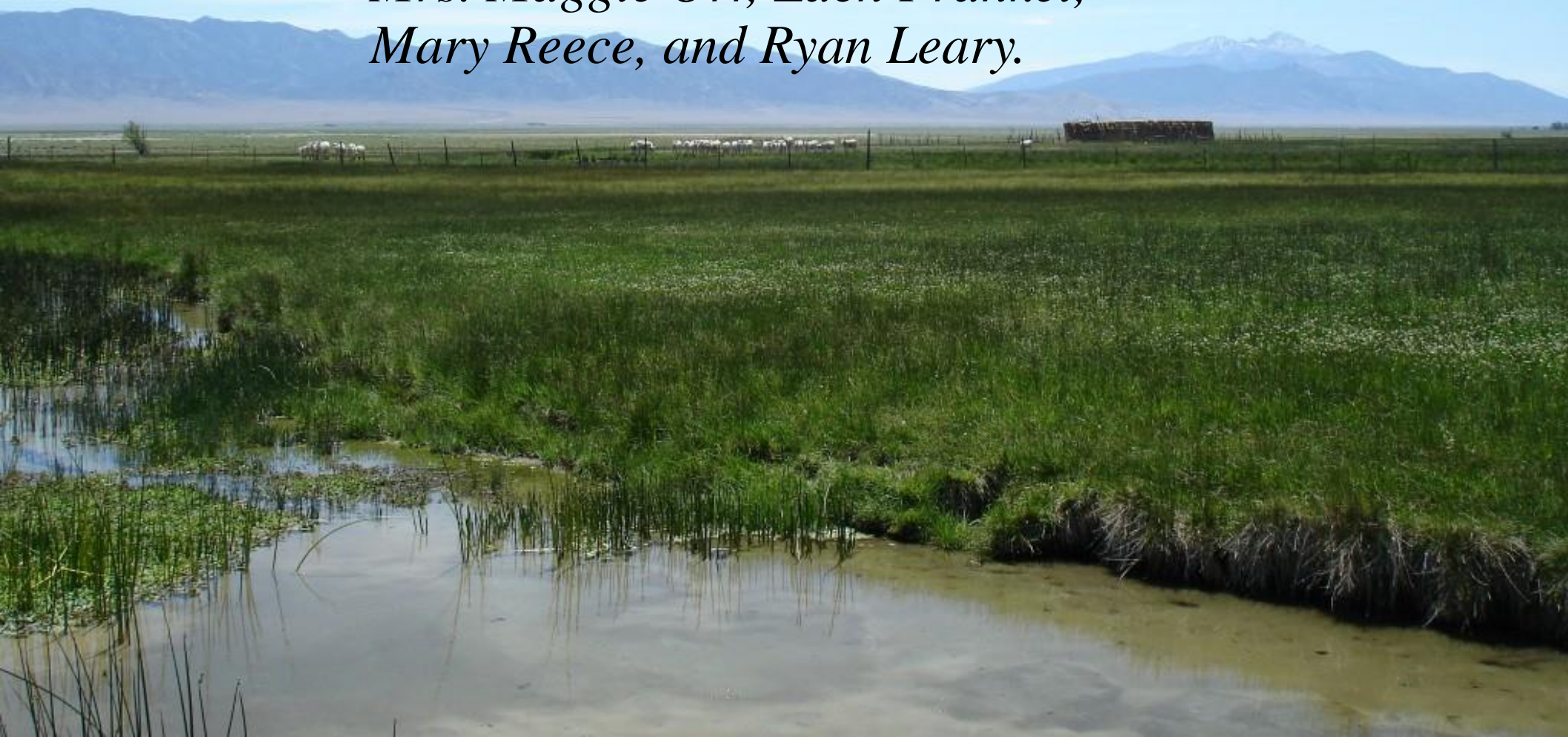
**Las Vegas?...** 248 gallons per capita daily



Warm Creek Bay on Lake Powell



*Thank you very much to the SRM,  
the Nevada Chapter, Kathryn Dyer,  
Dr. Sherman Swanson, Mr. Rick Orr,  
Mrs. Maggie Orr, Zach Frankel,  
Mary Reece, and Ryan Leary.*



# Photo Citations

*Beautiful Waterfront Homes at Lake Las Vegas.* Photograph. Reality One Group. *Rrcreality*. 2007. Web. 28 Jan 2013.

*Clark, Lincoln, White Pine Counties Groundwater Development Project EIS.* Photograph. *BLM*. 27 Dec 2012. Web. 28 Jan 2013.

*Colorado River Basin.* Photograph. *Glen Canyon Dam Adaptive Plan*, 18 Aug 2009. Web. 28 Jan 2013.

Esplin, Deanna. *Flyfisher.* Photograph. *Nevada Magazine*. Sept/Oct 2008. Web. 28 Jan 2013.

Green, Emily. *Spring Valley, White Pine County, Nevada.* Photograph. *Chance Of Rain*. 28 Jan 2010. Web. 28 Jan 2013.

*Growth in Las Vegas.* Photograph. Earth Observatory. *NASA*, 1 Mar 2009. Web. 28 Jan 2013.

*Land for Sale—White Pine County.* Photograph. *LandsofAmerica*. Web. 14 Jan 2013.

Morris, Sam. *Dean Baker*. Photograph. *Las Vegas Sun Newspaper*. 22 June 2008. Web. 2 Feb 2013.

*Pronghorn Antelope*. Photograph. *Nevada Magazine*. Jan/Feb 2013. Web. 28 Jan 2013.

*Warm Creek Bay on Lake Powell*. Photograph. *LA Times*. 27 Dec 2012. Web. 28 Jan 2013.

Riberia, Robert. *Great Basin National Park & Lehman Caves*. Photograph. *Mesa Light Photography*, 25 Jun 2007. Web. 28 Jan 2013.

# Works Cited

“About Tuscon Water.” *tucsonaz*. City of Tuscon, AZ, n.d. Web. 21 Jan 2012.

Brean, Henry. “State Allows Pumping of Groundwater from Rural Nevada.” *lvvj*. Las Vegas Review Journal, 22 Mar 2012. Web. 29 Nov 2012.

Chereb, Sandra. “BLM Approves Las Vegas Water Pipeline Project.” *Businessweek*. Bloomberg, 28 Dec 2012. Web. 1 Jan 2012.

“Clark, Lincoln, and White Pine Counties Groundwater Development Project.” *Bureau of Land Management*. U.S. Department of the Interior, 28 Dec 2012. Web. 1 Jan 2012.

“Colorado River Report Released in Las Vegas.” *npr*. Associated Press, 12 Dec 2012. Web. 1 Jan 2012.

Environmental Impact Statement: Executive Summary. *Bureau of Land Management*. U.S. Department of the Interior, 3 Aug 2012. PDF.

Fishman, Charles. *The Big Thirst*. New York: Simon & Schuster, Inc, 2011. Print.

Fleck, John. “Water Goals Met Early.” *ABQ Journal*. *ABQ Journal*, 13 Mar 2012. Web. 1 Jan 2012.

Graham, Wade. “An Answer to the Colorado River: Fill Lake Mead First.” *latimes*. *Los Angeles Times*, 27 Dec 2012. Web. 21 Jan 2013.

“Great Basin Water Issues.” Great Basin Water Network. n.d. Web. 15 Dec. 2012.

Greene, Emily. “Nevada State Engineer Refills Vegas Pipeline.” *Chance of Rain*. *Chance of Rain*, 3 Mar 2012. Web. 2 Dec 2012.

Hansen, Brenno. “Brief History of Water Wars.” *Th!nk About It*. European Journalism Centre, 18 Jan 2011. Web. 21 Jan 2013.

Historical CCLVV Average Population Growth Rate. Clark County Department of Comprehensive Planning. n.d. PDF.

Newton, Jim. “Newton: Owens Valley Dust-Up.” *latimes*. Los Angeles Times, 19 Nov 2012. Web. 21 Jan 2013.

Patriquin D. & Squire B. “Down the Drain: Where is the Water Going?” AWPCA Annual Conference, 3 May 2006. PPT.

Project Map. *Bureau of Land Management*. U.S. Department of the Interior, 20 Oct 2008. JPEG Image.

*Protect Snake Valley*. Protect Snake Valley, 2008-2012. Web. 23 Dec 2012.

“Snake Valley Aquifer.” *Utah Rivers Council*. n.d. Web. 15 Dec 2012.