Colorado River Commission of Nevada

Natural Resources Group Hydrologic Update January 14, 2014





Unregulated Inflow



Unregulated Inflow Into Lake Powell

As of January 6, 2014

	MAF*	% Avg**
• WY 2014 (forecasted):	10.09	93%
• April-July 2014 (forecasted):	6.81	95%
• Dec (observed):	0.29	81%
• Jan (forecasted):	0.30	83%

*MAF=Million Acre-Feet

**30-year average, from 1981-2010 (current normal)



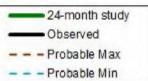
Storage Conditions As of January 3, 2014

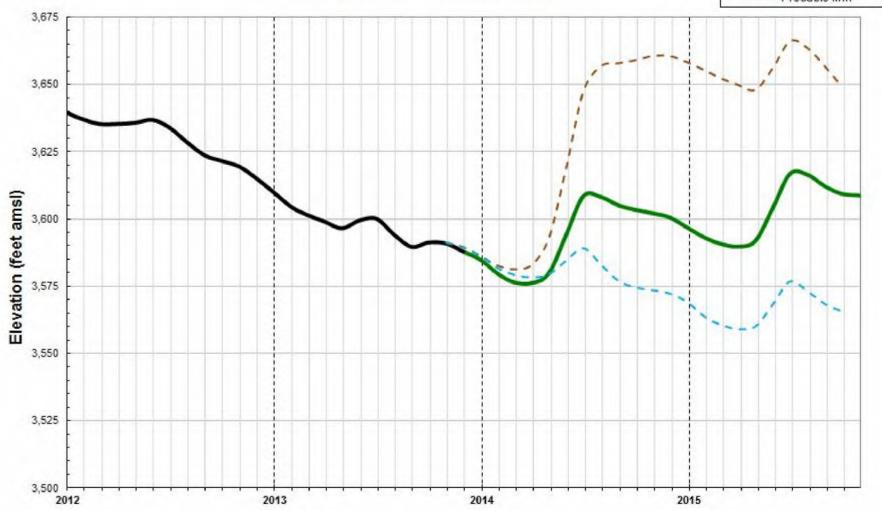
		Percent of <u>Capacity</u>	∆ from last year
Lake Mead elev.	1,106.64 ft	47%	14.02 ft
Lake Powell elev.	3,583.52 ft	42%	25.16 ft
Total System Storage (1/2014)	29.26 maf	49%	↓ 3.75 maf
Total System Storage (1/2013)	33.01 maf	55%	



Lake Powell End of Month Elevations

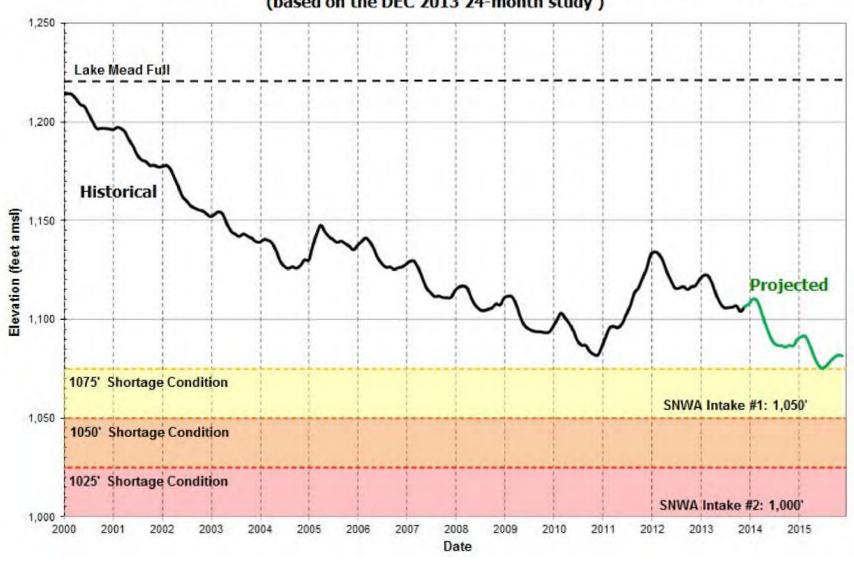
(based on DEC 2013 24-month Study)





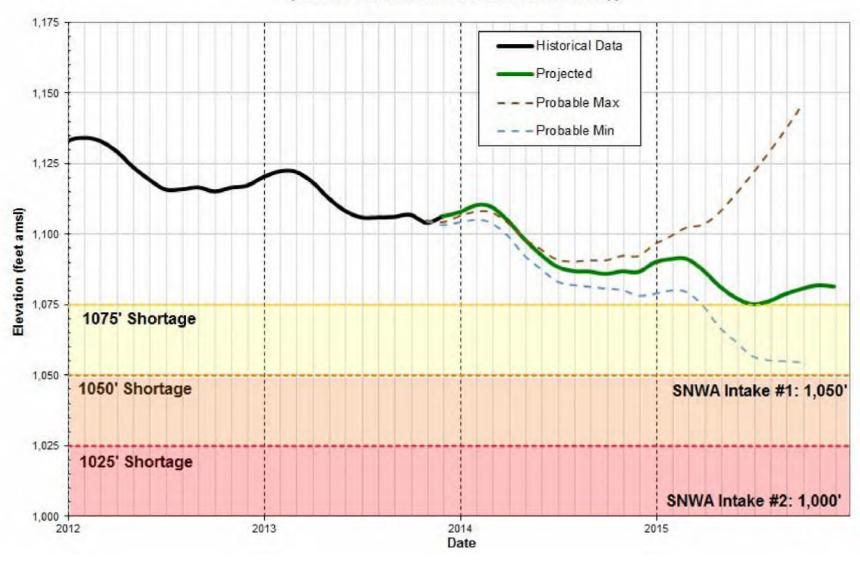
Lake Mead End of Month Elevation Projections

(based on the DEC 2013 24-month study)



Lake Mead End of Month Elevation Projections

(based on the DEC 2013 24-month study)

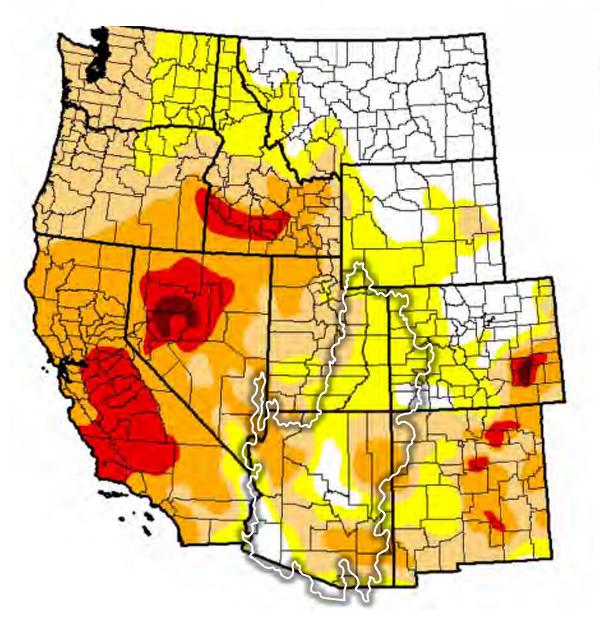


Drought and Precipitation



U.S. Drought Monitor West

January 7, 2014 (Released Thursday January 9, 2014) Valid 7 a.m. Eastern



Intensity:

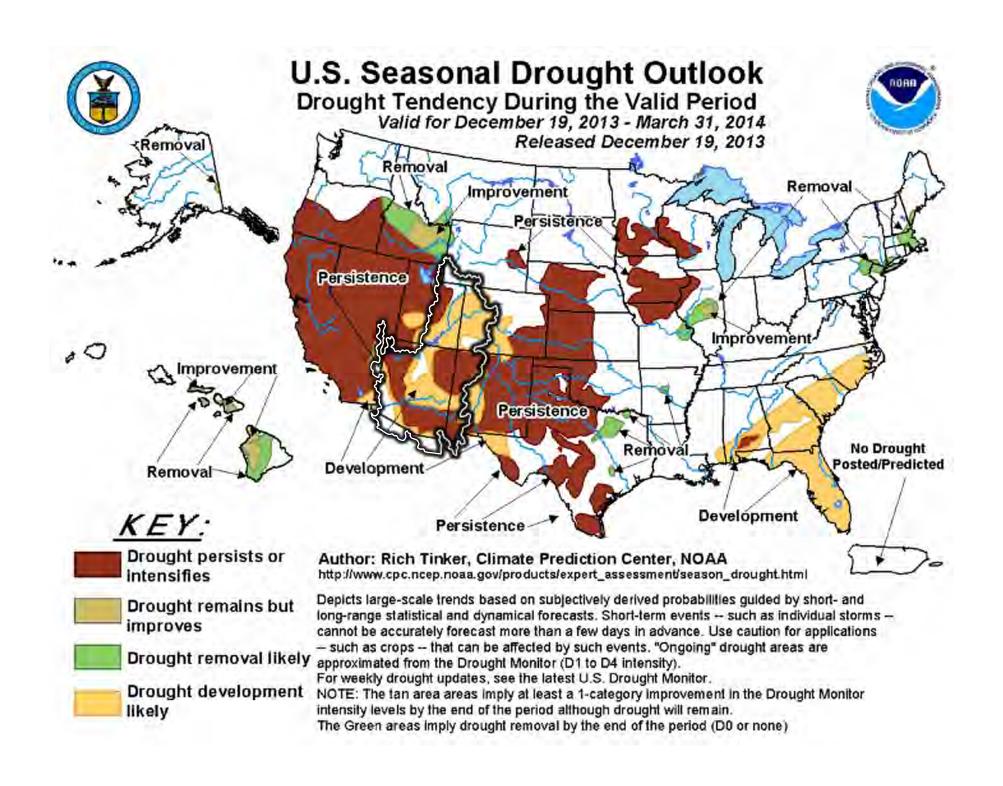
D0 - Abnormally Dry

D1 - Moderate Drought

D2 - Severe Drought

D3 - Extreme Drought

D4 - Exceptional Drought



Precipitation – Colorado River Basin

As of January 6, 2014

<u>Upper Colorado</u>

Basin

WY Precip to Date

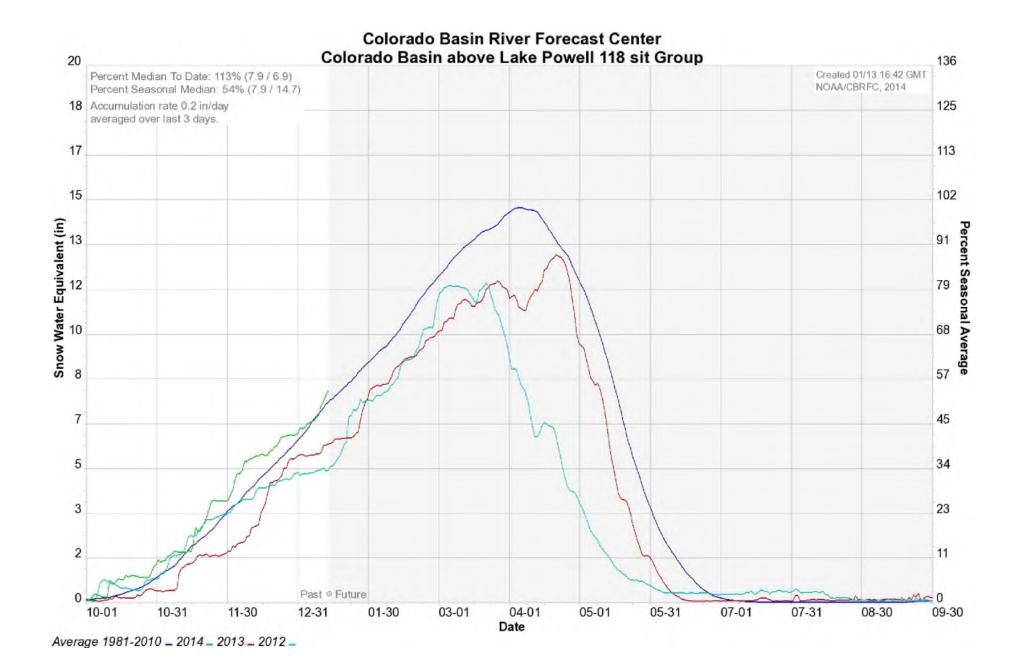
92% (8.4")

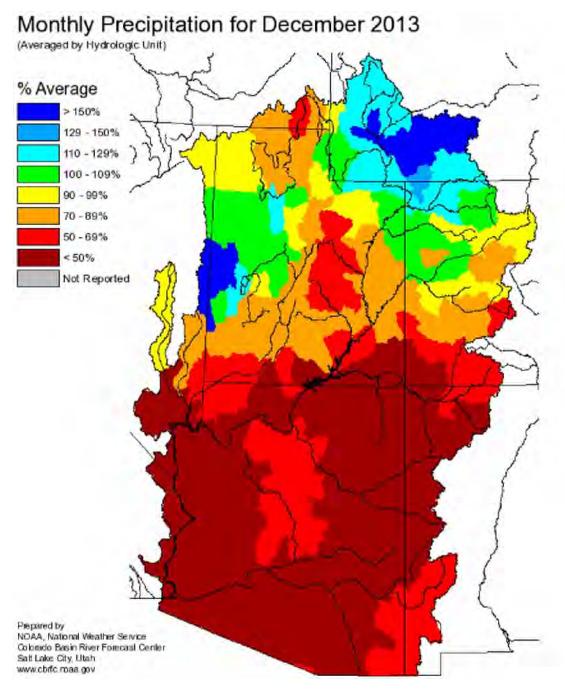
Current Basin Snowpack

97% (6.9")

(Avg 1981-2010)



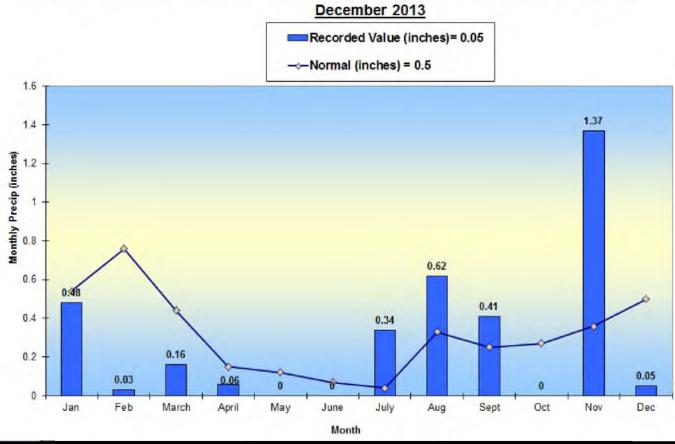




Record of Precipitation, Las Vegas, NV

As of December 31, 2013

Record of Precipitation at McCarran International Airport, Las Vegas, NV

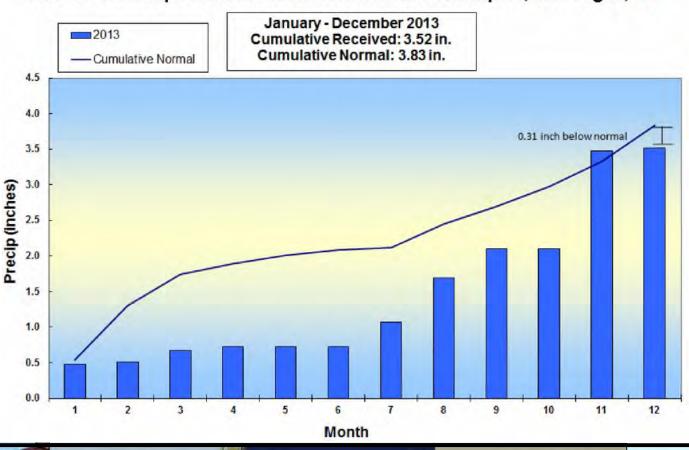




Record of Precipitation, Las Vegas, NV

As of December 31, 2013

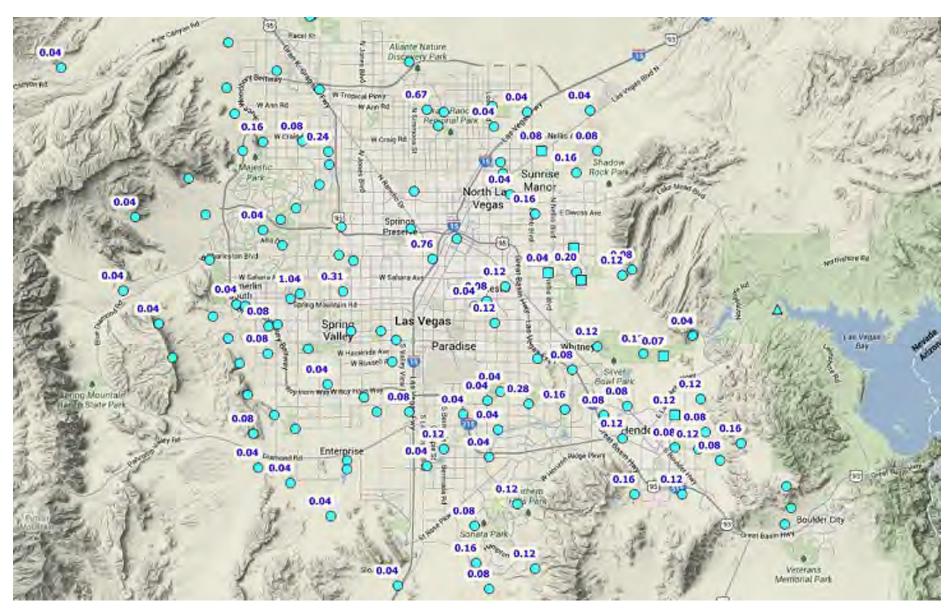
Record of Precipitation at McCarran International Airport, Las Vegas, NV





Clark County Regional Flood Control District Rain Gages

December 2013 Totals



Water Use in Southern Nevada



Water Use in Southern Nevada January - November

2013*: Consumptive Use = 214,574

CR Water Banked = 0

214,574

2012: Consumptive Use = 225,928

CR Water Banked = 0

225,928

Difference = -11,354 af

*Subject to final accounting



Water Use Comparison

January - November

Water Use	2012 Acre Feet	2013 Acre Feet	Difference	% Change
Las Vegas Wash Gauged Flow	195,825	196,458	633	0.3%
Diversions	411,499	407,578	-3,921	-1.0%
Return Flow Credit	185,571	193,004	7,433	4.0%
Consumptive Use	225,928	214,574	-11,354	-5.0%



Nellis History

- The 1st Las Vegas airport was Anderson Field (1920), on SE corner of what is now Sahara & Paradise. It was renamed Rockwell Field in 1928 (close to current Nellis location).
- A new airfield opened in 1929, initially called Las Vegas Nevada Airport.
- It was purchased by Western Air Express in 1932. It was the primary
 passenger/mail stop on the LA Salt Lake City route and helped grow the tourist
 industry.



Western Air Express Mail Plane



Western Field Nov 1940

- The City of Las Vegas purchased the field on Jan 2, 1941 for \$10.00 and the US Army leased the field on Jan 5,1941. It was dual use the civilian side was McCarran Airport. Military construction started March 1941 and Las Vegas Army Air Field was dedicated Oct 1941.
- The base portion was closed, except for a small force by early Feb 1947.
 McCarran Airport remained open for business



- In 1947, Clark County started purchase discussions with the owner of Alamo Field south of town and it was officially dedicated as McCarran Field (now McCarran International) on Dec 19, 1948. Military activity had been ramping up and the Las Vegas Air Force Base officially opened January 4.
- The stone pillars were moved to the first terminal which was on Las Vegas
 Blvd, just south of the current "Welcome to Las Vegas" sign. The pillars are still
 there but that is now the private aviation entrance for McCarran.



Senator Pat McCarran at McCarran Gate in 1942



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