Colorado River Commission of Nevada

Natural Resources Group Hydrologic Update December 10, 2013





Unregulated Inflow



Unregulated Inflow Into Lake Powell As of December 2, 2013

	MAF*	% Avg**
• WY 2013 (observed):	5.12	47%
• April-July 2013 (observed):	2.56	36%
• Nov (observed):	0.38	79%
 Dec (projected): 	0.30	83%

*MAF=Million Acre-Feet

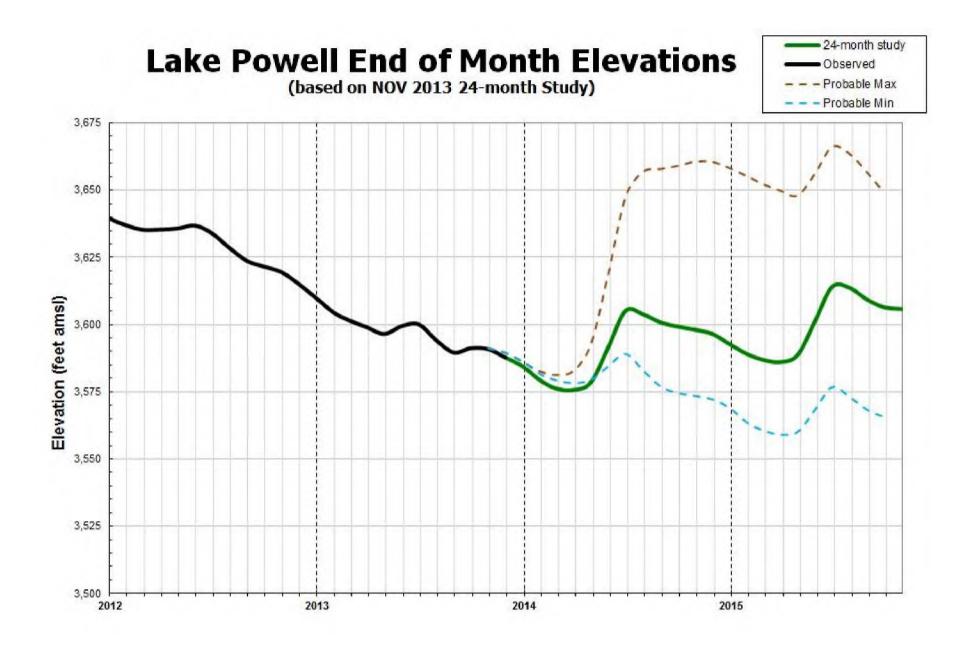
****30-year average, from 1981-2010 (current normal)**



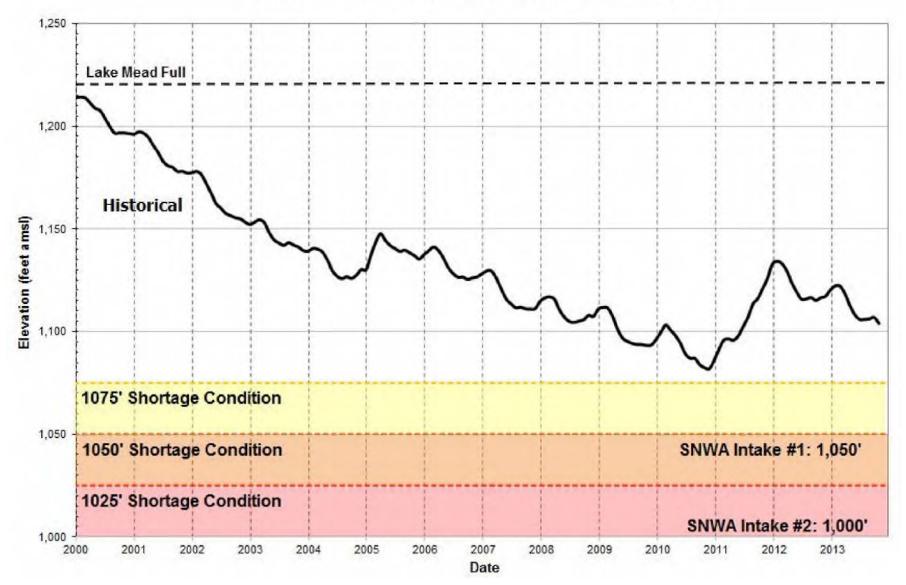
Storage Conditions As of December 2, 2013

		Percent of <u>Capacity</u>	<u>∆ from last year</u>
Lake Mead elev.	1,106.40 ft	47%	📕 11.02 ft
Lake Powell elev.	3,587.81 ft	44%	26.93 ft
Total System Storage (12/2013)	29.56 maf	50%	J.76 maf
Total System Storage (12/2012)	33.32 maf	56%	



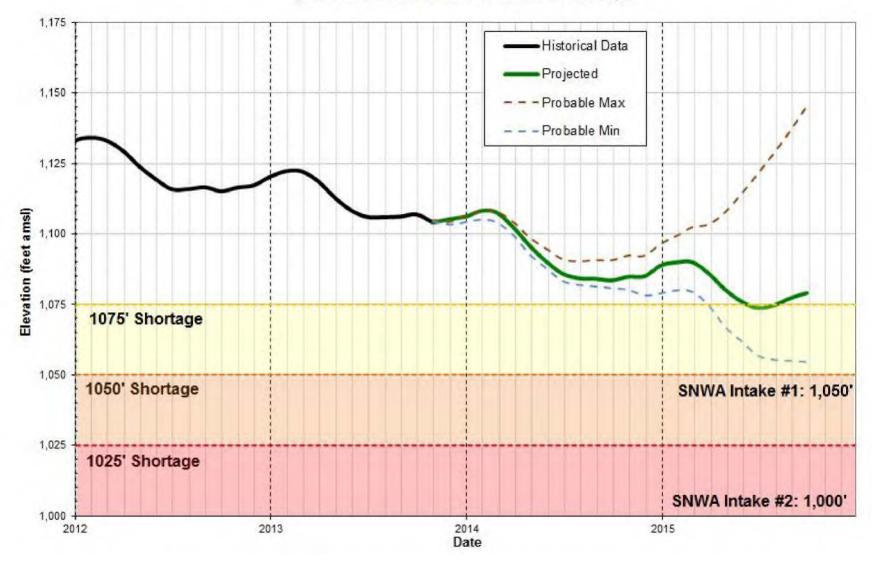


Lake Mead Elevation 2000-2014



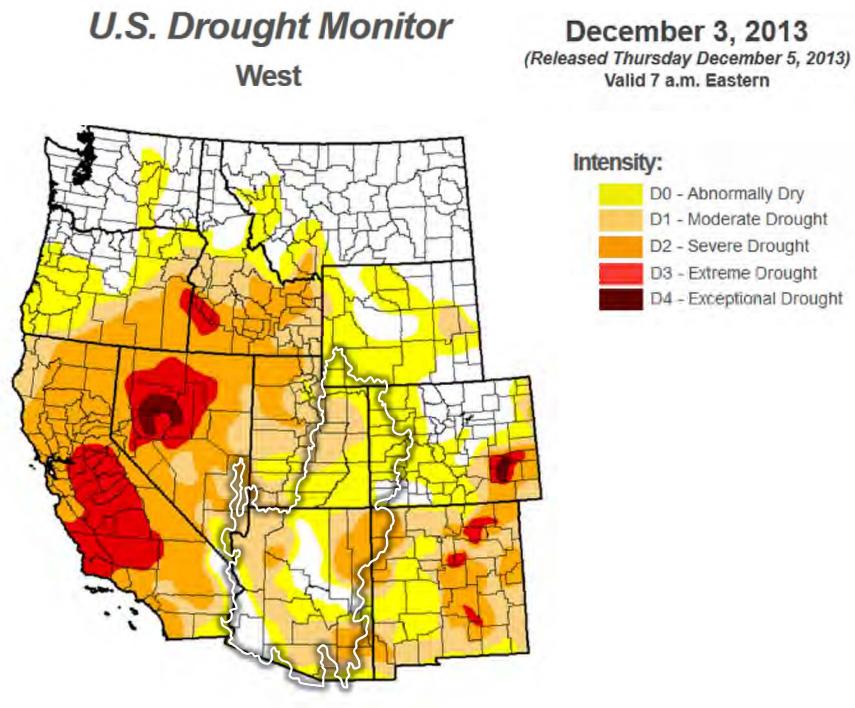
Lake Mead End of Month Elevation Projections

(based on the NOV 2013 24-month study)

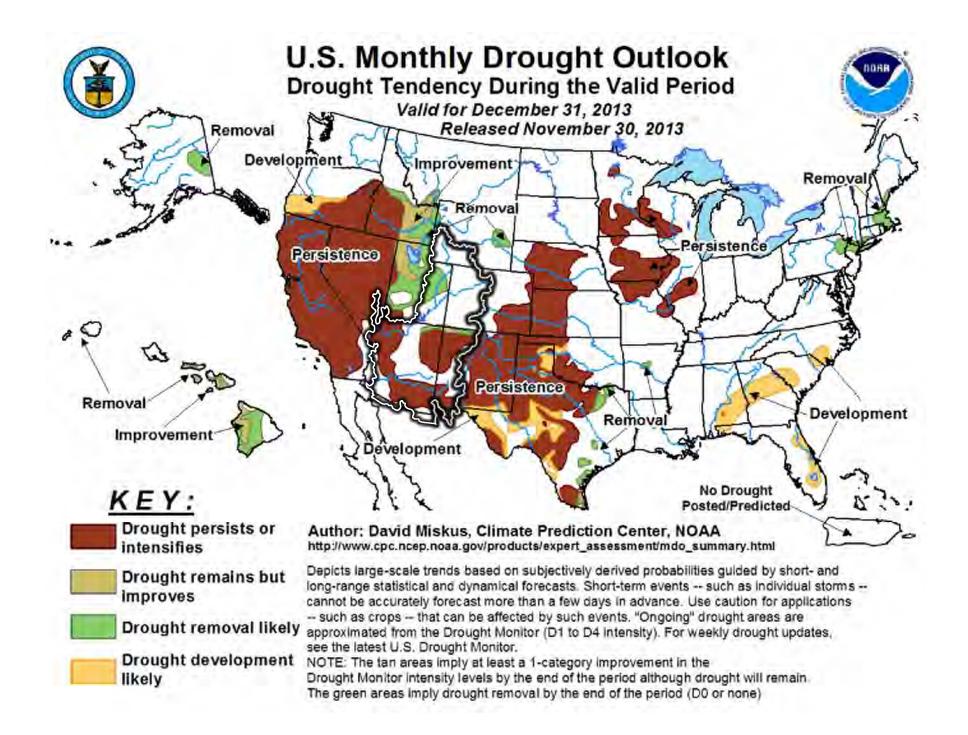


Drought and Precipitation









Precipitation – Colorado River Basin

As of December 2, 2013

WY Precip to Date

<u>Upper Colorado</u> <u>Basin</u>

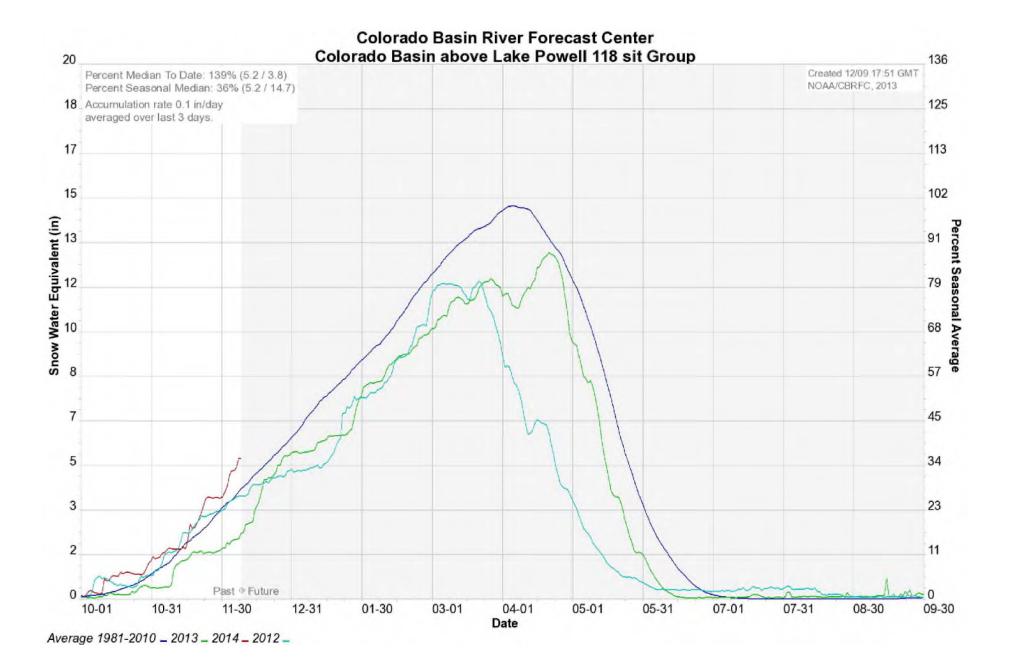
101% (5.7")

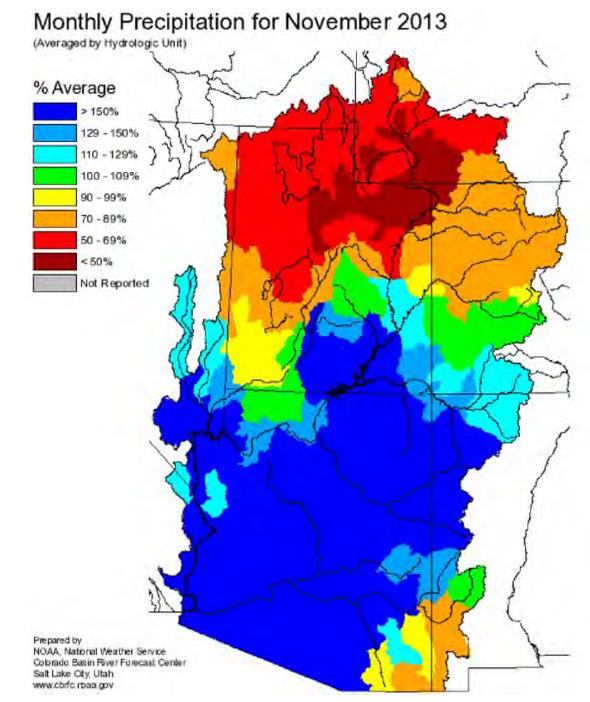
Current Basin Snowpack

115% (3.9")

(Avg 1981-2010)



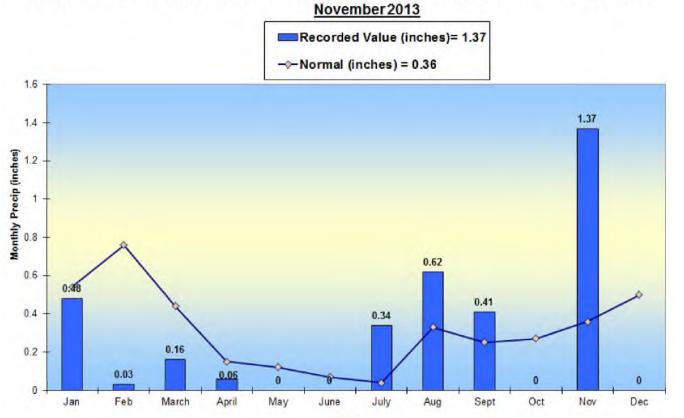




http://www.cbrfc.noaa.gov/product/mapsum/map/cbrfcM201311.png

Record of Precipitation, Las Vegas, NV As of November 30, 2013

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

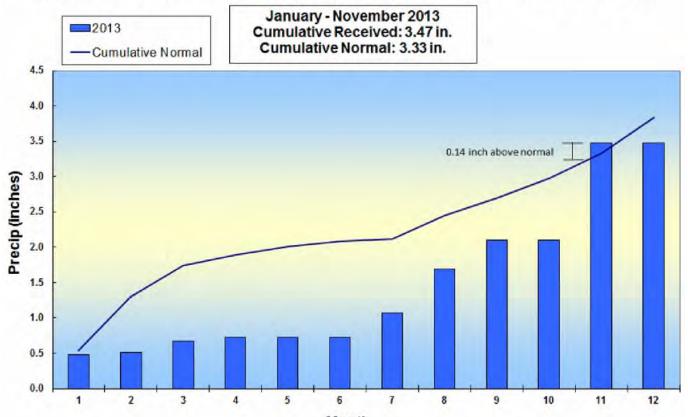


Month



Record of Precipitation, Las Vegas, NV As of November 30, 2013

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



Month



1.22 Raid St 1.69 e Nature 0.91 Dischery Park O 0.87 COMMAN 0.71 W Transical Plong 2.01.18 1.10 W Ann Rd 1.30 1.42 1.10 \sim 14 1.10 Nells / 1.54 W OI P 1.22 W Craig Ha 1.10 1.10 0,98 22 WEITERAL Shad 1.10 15 Rock Pan Sunnse 1.14 ank 0 North La 1.22 Manor 1.18 1.18 Lang Mand She 1.30 Vegas 0.87 1.02 1.02 E Owned Ave 4.52 1.22 1.0.87 0.04Alter 1.06 1.93 Springs 0.24 and Kinese is Preserve. 0.04 1.14 0.94 1.34 Witness 1.18 1.1834 es C Редіони 1.10 0.32 Ó 1,18 Sunna 1.54 0.91 Valley 0.0 1.53 0 1.42 100.00 Paradise 1.34 Whitne 1.26 1.18 1.26 w 2 wirth 1.22 1.14 1.34 ark 1.18 1.22 1.38 1.38 1.26 1.30 นกกลา 1.34 1.54 1.34 1.34 \cap 2.13 1.38 1.42 denderson 1. Wesher LD 1.65 1.02 +1.06 1 38 \sim 1.50 0 1.18 TO 1.34 0.75 1.57 36 1.57 1.30 0.47 1,10 0.71 1.38 Boulder City 01 Sonala 1.42 Veteninos 1.38

Clark County Regional Flood Control District Rain Gages November Totals

http://gustfront.ccrfcd.org/gagemapprimary/gagemap.html

Water Use in Southern Nevada



Water Use in Southern Nevada January - October

2013*: Consumptive Use = 203,024<u>CR Water Banked = 0</u> 203,024 2012: Consumptive Use = 210,523<u>CR Water Banked = 0</u> 210,523 Difference = 7,499 of

Difference = -7,499 af



Water Use Comparison

January - October

Water Use	2012 Acre Feet	2013 Acre Feet	Difference	% Change
Las Vegas Wash Gauged Flow	179,560	177,920	-1,640	-0.9%
Diversions	379,456	378,503	-953	-0.3%
Return Flow Credit	168,933	175,479	6,546	3.9%
Consumptive Use	210,523	203,024	-7,499	-3.6%



Nellis History

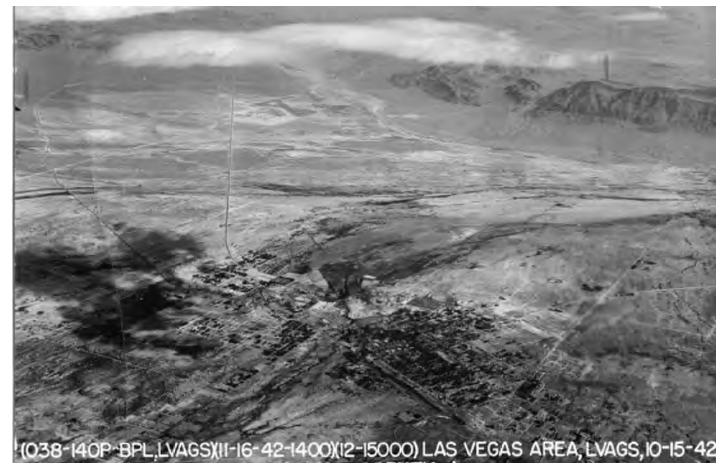
- The 1st Las Vegas airport was Anderson Field (1920), on SE corner of what is now Sahara & Paradise. It was renamed Rockwell Field in 1928 (close to current Nellis location).
- A new airfield opened in 1929, initially called Las Vegas Nevada Airport.
- It was purchased by Western Air Express in 1932. 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



Las Vegas Oct 42

- 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



McCarran Gate off Las Vegas Blvd



Colorado River Commission of Nevada

Natural Resources Group Hydrologic Update December 10, 2013



