

# Your Friday Water Report

## This Week's Topic:

### Flood Hydrology Report

The single most common cause of earthen dam failures is overtopping of the embankment. An undersized spillway could lead to overtopping, therefore spillway design is critical to reservoirs. The City of Las Vegas has recently received the (draft) Flood Hydrology Report for Bradner Dam. The report is one phase of the overall Preliminary Engineering Report (PER). Based on the report the rehabilitation may require an increase in the dam spillway capacity and dam crest elevation, which would enlarge the dam's flood capacity and will help prevent overtopping of the dam embankments. To prevent erosion or the undermining of the structure the design may also require work on the stilling basin at the toe of the dam. This report is critical to the requirements for the design, construction and to help meet Dam Safety Regulations. The City has submitted the report to the Office of State Engineer for review.

## Daily Averages for 11/30-12/7

**Gallinas River Flow** 4.92 Mgd  
This week in 2015 was 5.35 Mgd\*

**Avg. River Diversions** 1.60 Mgd  
Yr. to date 566 Mg\*; year max. 908 Mg

**Draw from Wells** 0.00 Mgd  
This week in 2015 was 0.00 Mgd

**Fresh Water Demand** 1.20 Mgd  
This week in 2015 was 1.61 Mgd

**As of 12/07/16:**

**Bradner Storage** 0.00 Mg  
**Peterson Storage** 62.54 Mg  
**Reservoir Storage** 36.7%

**Las Vegas Airport Rainfall** 0.05"

**Snowpack Depth** 8.0 inches  
**Snowpack Water Equiv.** 1.6inches  
This date in 2015 was 2.1 inches  
This date median is 4.0 inches

\*Mgd = Million gal. per day, Mg = million gal.

## Did You Know?

Nearly 22% of indoor home water use is for laundry. A way to save water is by making sure to adjust the settings on your machine to proper load size.

➡ See water leaks, water waster, or water violations? Tell someone! 505-426-3312 ⬅

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