

# FLOOD FIGHTER: HOW TO PLAY

➤ Choose between Windows, Mac, or LINUX & open the game  Flood Fighter Nevada

Welcome to Flood Fighter: Nevada



Step 1: At your office- *Learn More* about Flooding on your computer by opening your Handbook and Glossary (see next page)


For a quick start of the game, follow the directions below:

1. Click on the Nevada map once you open the game.
2. Select your level; click “Begin Planning.”
3. Choose difficulty; select type of levee, and number of patrol and repair trucks.
4. Use cursor to move around the map. Drag cursor over levees to check condition. Do they need to be patrolled or repaired? (ProTip: patrol and repair trucks can operate automatically).
5. Check reservoir and river levels. Should dam gates be opened or closed further?
6. You lose if: reservoir water level overtops dam, river stage overtops levees, or if levees breach on both sides  
(Note: reservoir capacity and river water will flash **red** in control board when close to overtopping).

\* For help - watch the tutorial video at: <https://youtu.be/GgoYBNhNHZy>



*Your Control Panel*

**Step 1: At your office- Learn More** about Flooding on your computer by opening your Handbook and Glossary. Learn how to play the game on the Help Menu   
*There is a wealth of wonderful information to explore here! You can unlock Handbook and Glossary information by passing levels on the game.*



### Handbook

Flood Safety & Management

Nevada Dams & Floods

Hoover Dam

Nevada Flood of 2005

South Fork Dam

Davis Dam

Lake Tahoe Dam

Lahontan Dam

Derby Diversion Dam

Carson City Diversion Dam

1997 New Years Flood

Las Vegas Flood of 1975

Storm of the Century

### Hoover Dam



Hoover Dam, originally known as Boulder Dam, is a concrete arch-gravity dam in the Black Canyon of the Colorado River, nestled between the border of Nevada and Arizona. Constructed between 1931 and 1936, it is one of the tallest dams in the world, standing in at a staggering 726.4 ft with a length of 1,244 ft, costing around \$49 million to construct in 1931 (\$777 million in 2016). The construction was a massive effort, involving thousands of workers, with over one hundred lives lost.

Hoover Dam is located near Boulder City, Nevada. Located 20 mi southeast

### Glossary

Dams

Reservoirs

Top of Conservation

Soil Saturation

Ground Porosity

Surface Runoff

River Stage

Watershed

Drainage Basin

Hydroelectricity

Diversion Dam

Detention Basin

100-Yr Recurrence

Flood Plain

Breach

Overtop

### Dams



A dam is a barrier that blocks water or underground streams. They can be man-made, natural, or created by wildlife. Most modern large dams are constructed using concrete, however some have been produced using wood, earth, and even steel. Man-made dams are employed for a variety of reasons, ranging from retaining water for agricultural, residential, and commercial use to generating power via hydroelectricity. In some cases, dams are even used to create recreational areas for fishing, boating, and camping. With an estimated 75,000 dams impounding about 17% of the rivers in the United States, dams are an integral part to our country.

### Help Menu

Getting Started

Blueprint Table

Area Data

Basic Information

Hydrograph

Budget & Trucks

Types of Levees

Dam & Reservoir

Reservoir & Inflow

Dam Gates & Outflow

River Flow

Ground Saturation

Snowmelt

Debris

Detention Basin

Levee Maintenance

Levee Erosion

Types of Damage

Patrolling & Repairing

EAC

Controls

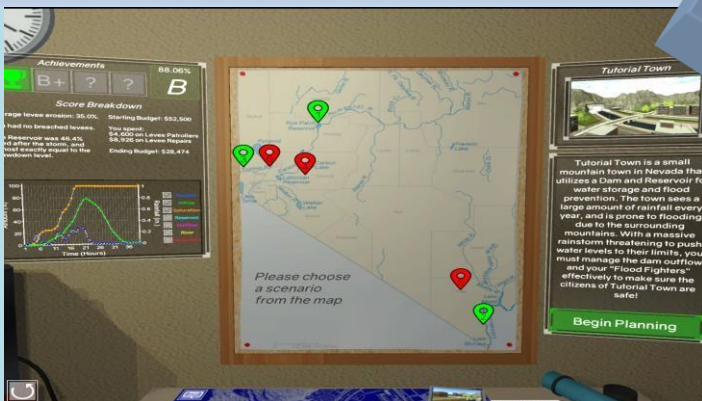
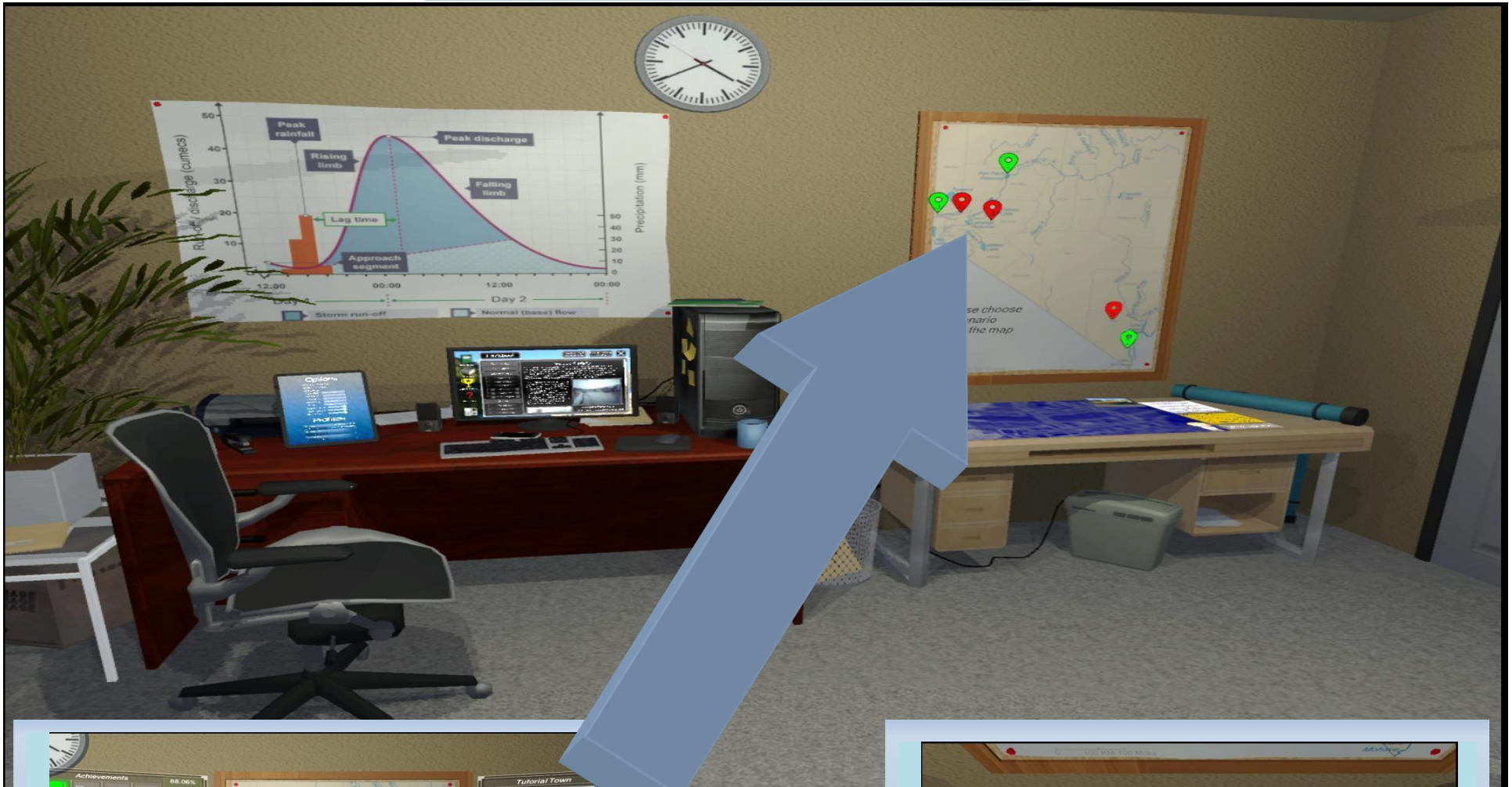
### Getting Started



Flood Fighter places you in the shoes of a newly hired Water Management Engineer who must create a flood management system for multiple locations. After reviewing each location's Area Data, you will need to determine the best type of levees to place alongside the river and hire a levee maintenance team within budget. Your flood management system will then be put to the test as you guide the area through an extreme weather event.



Step 2: At your office- Click on the map to choose a scenario



Advance through six stages to fight floods throughout Nevada

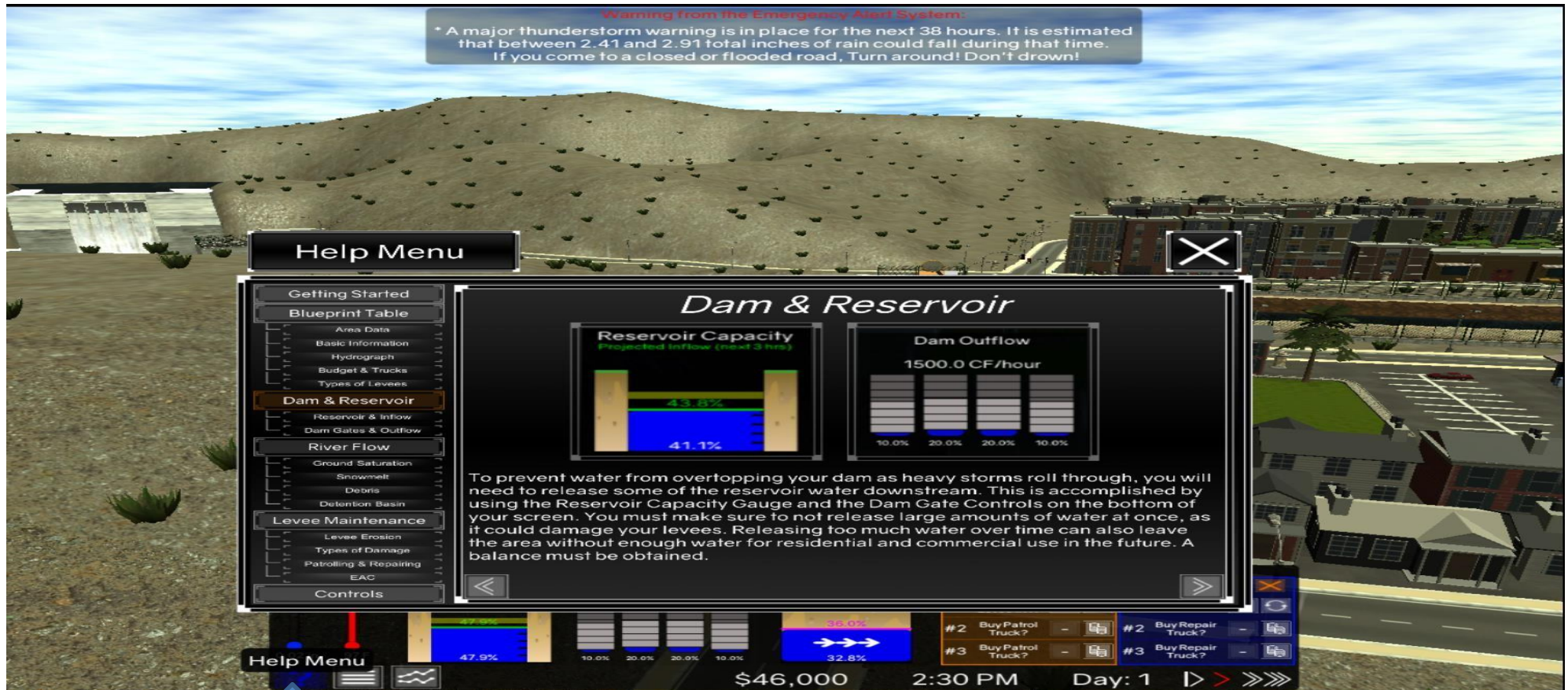


Choose Difficulty, Patrol/Repair Trucks, and Levee Type



**Step 3: As a Water Management Engineer, you have an important duty to keep your community safe from flooding. Begin the game by reviewing some vital information from the Help Menu, follow warning updates from the Emergency Alert System, and use the controls to do the following:**

- Change your Dam Outflow
- Send patrol and repair trucks to repair levees and debris
- Open Charts or Speed up the game



Use the Help Menu at any time to understand the game controls and the simulation parameters like:  
Reservoir Capacity, Dam Outflow, and River Water Flow

Use the forecasted **Warnings from the Emergency Alert System** to determine when to open or close dam gates and regulate the release of water from your reservoir



Rain & Temperature gauges

Help Menu

Main Menu

Charts

Reservoir Capacity & Projected Inflow

Open/Close Dam Gates

River Water Projected Outflow

Auto Patrol / Repair Trucks  
⏏ ← Automatic option

Slow down or Speed up the game simulation



Step 4: Let's start playing. Enjoy learning the complexities of water management to help keep your community safe!



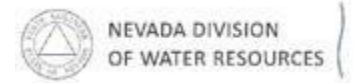
# Know your Flood Risks and Take Action at NevadaFloods.org

This educational video game was a collaboration between  
The US Army Corps of Engineers and the Nevada Division of Water Resources  
- *FLOODFIGHTER: NEVADA* can also be downloaded from [NevadaFloods.org](http://NevadaFloods.org) -

For questions or additional resources, please contact:

**Carlos Rendo**

Public Outreach Manager  
Nevada Division of Water Resources  
Department of Conservation and Natural Resources  
901 S. Stewart Street, Suite 2002  
Carson City, Nevada 89701  
[crendo@water.nv.gov](mailto:crendo@water.nv.gov)  
Office 775-684-2860



Connect with Nevada Floods on:

