

***GO THERE—SECRET MILITARY INSTALLATIONS,
SOUTHERN NEVADA, USA***

6a. Military and Secret Government Installations are hidden in southern *Nevada* (about 100 km northwest of *Las Vegas*, near [37°07'N 116°03'W](#)). Use ***FLY TO*** and ***ENTER*** the coordinates 37 N, 116 W to go to that area. ***ZOOM OUT*** to between 11 and 17 miles ***EYE ALTITUDE***. This area is known as *Yucca Flat*, and is slightly north of a large tan splotch called *Yucca Lake*. Is *Yucca Lake* a good place to water ski? Why or why not? Document your interpretation in the box below.

Yucca Flat has numerous unique land features—most are less than 0.1 miles in diameter. Are these features mounds from giant gophers, termite mounds, or depressions in the valley floor? Record your interpretation in the space below.

Move your ***HAND POINTER*** over the area covered by the objects and observe how the elevation of the area containing the objects varies. Based on your observations, document in which direction surface water should flow on *Yucca Flat*?

Where would surface water flowing in *Yucca Flat* probably end up, if it didn't soak in or fill the land features you described above?

In the space below, predict where any contaminants produced in the numerous unique land features on this military and secret government installation may end-up, if the contaminants were picked-up and moved as either particulates or as soluble compounds in surface water runoff across the surface of *Yucca Flat*?

Describe how those contaminants may affect any future urbanization or development on the shores of *Yucca Lake* in the space below.

This is the major area for testing nuclear weapons in the world, and is called the *Nuclear Testing Facility* (NTS). Over 925 ANNOUNCED nuclear devices were detonated at the NTS, between 1951 and 1992 (note: seismic records indicate many UNANNOUNCED nuclear detonations [get seismic record from CSUSB courtesy wbl]).

Use the internet and go the following web site (<http://ndep.nv.gov/boff/sedan3.jpg>) to view an oblique photo of the crater produced by *Sedan*, the largest recorded underground nuclear device detonated on July, 6, 1962. *Sedan* was detonated over 600 feet below the valley floor, producing a crater that is 320 feet deep and 1280 feet in diameter. Use **FLY TO** and enter *Sedan* as the destination, then **MEASURE** and record the maximum disruption to the landscape by *Sedan* in the space below.

In the box below, relate how the size of the disrupted landscape produced by *Sedan* compares with the diameter of the crater itself?

Using the **MEASURE TOOL**, measure and record the diameter of the next largest circular disruption in the vicinity in the box below. **PRINT** this view also.

NAME: _____

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Do you suppose it was caused by a bigger or smaller detonation than the detonation that formed *Sedan*?

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NAME: _____

ATTACH PRINT VIEW HERE