

2011

GIS in Water Resources

Term Project: Flood Management in Lake
Travis-Austin

How can we prevent and control flood in the city of Austin?



OBJECTIVE AND METHOD:

The primary objective is to understand how floods occur in Austin.

I will first list the different sources of flooding (runoff water, storm water...) and the consequences of floods and focus on one part of Austin, lake Travis Then, in a second step, I will focus on the methods currently used to reduce and manage flood in Austin and see how it affects floods.

The project requires using ArcGIS software and data from the sources listed above about rainwater, runoff water, storm water...

Figure 1 Mind map of the term project



DATA

The data can easily be found on the Internet.

Sources:

- Austin city connection
- Travis county website
- Texas Floodplain management association
- Texas Water Development board
- Texas Water Resources Institute
- ArcGIS database