**Muhammed ERENLER - GIS Lab Assignment 4**

**MAP-1- Identifying a Suitable City to Live in the West Cost of the US**

If I were considering a place to live in the West Coast of the US, I would choose to live in **Sacramento, CA**. To the current knowledge at my hand, I choose Sacramento because first of all; this place is an earthquake-free area. According to the earthquake density map I drew, it is a way **further area** than other earthquake-prone areas of the west coast. That is there has been **no earthquake** in Sacramento so far, which is good!

Second, according to the elevation image I drew by Arc Scène; the elevation in Sacramento is really smooth. Do you know that the elevation is only 30 ft. (9 meters). It can be learned from the ‘Attribute Table’ of this image, but I also verified it form the Wikipedia! We can also notice from the Arc Scène image that Sacramento is inside the **yellow-shaded** areas meaning low elevated ones. And because I don’t like high elevated areas like mountains, Sacramento will be a suitable low-elevated area for me. Another thing to mention is that Sacramento lies as if inside a bowl meaning there are more elevated areas like a high walls around it. I think this is also a good feature for a place relatively close to an ocean. Why? It is because high elevated areas to the west of Sacramento would be an important barrier against possible disasters like tsunami, which is always a threat to coastal sides. If we remember from Katrina Hurricane and Tsunami hit New Orleans in 2005, places very close to the ocean coast are always dangerous places to live. Then Sacramento would be a good choice, which is **a bit far away** from the coast and has some elevated areas around to block these kind of possible threats.

Thirdly, Sacramento includes all types of housing values within its periphery. When I look at the housing values map, I notice that I can even find a house **below the value of $100.000** in   
Sacramento area. And if I have more money later on, I can have more choices of a house having value within a wide range of values to buy. And not to mention that Sacramento is the capital city of California that also means probably more advantages than other places in the area!