Plexiglass case, glued at seams, open on top (should not leak at seams)

Cut florist’s foam to fit inside plexiglass case (florist’s foam is porous and will work the best; other foams are less porous and may not allow water to pass through)

Place foam into plexiglass case.

Build simple wooden house model, with the same thickness as the foam. This should be made of light wood, and be open for water to flow in.

Start by filling the foam/case with water only below the house foundation. This is what most neighborhoods are like now.

Then add more water, so the lagoon fills and the basement is also wet. This is what will happen as sea level rises. The “water table” level will also rise. It will flood low areas, and cause basements and other concrete to actually “heave” up out of the ground.

The purpose of the model is to show what the water table is (ie, shallow groundwater), the risk to homes, and the inability of levees/walls to block groundwater from rising.