



**Figure S12:** Ike Inundation Extents by Trinity Bay and Chambers County, TX for ADCIRC (*blue*), SWAN+ADCIRC (*cyan*), FVCOM (*red*), SWAN-FVCOM (*black*), SELFE (*green*), and WWMII+SELFE (*yellow*). The hurricane track is shown by the *thick black line*, and the coastline by the *brown line*.