Prediction throughout basin; numerical model vs analytics Top perturbation Prediction at 150 years h1, top perturbation h1, top perturbation h1, top perturbation numerical model prediction minus numerical model prediction 1e6 1e6 108.4 - 108.4 0.3 4 4 4 - 108.2 108.2 0.2 3 3 3 - 108.0 - 108.0 2 2 2 - 0.1 - 107.8 - 107.8 1 1 - 107.6 **>** - 107.6 - 0.0 0 - 107.4 - 107.4 -0.1-1-1-1- 107.2 - 107.2 -2-2-2- 107.0 107.0 -3-3106.8 106.8 -0.30 1 -10 1 -10 1 -11e6 1e6 1e6 Χ h2, top perturbation h2, top perturbation h2, top perturbation prediction numerical model prediction minus numerical model 1e6 1e6 102.0 102.0 4 4 4 - 101.8 - 101.8 - 0.2 3 3 3 - 101.6 - 101.6 2 - 0.1 2 2 - 101.4 - 101.4 1 101.2 - 0.0 - 101.2 0 0 0 - 101.0 - 101.0 -0.1-1-1-1- 100.8 - 100.8 -2-2-2- 100.6 100.6 -3-3-3100.4 100.4 -0.3-10 1 -10 1 -11 1e6 1e6 1e6 X X X