

3-22-10 Recalculation of forecast for flooding

As shown on Figure 1, inflows are currently tracking in the range of the 60%-80% Runoff (RO) forecasts. The forecasted peak inflows on March 25 and early April are from some additional snowmelt that will not occur. The NWS revised the Snow Water Equivalent Map on Fri Mar 19. The revised map shows no snow remaining above Spirit Lake which has been confirmed by observations on the ground.

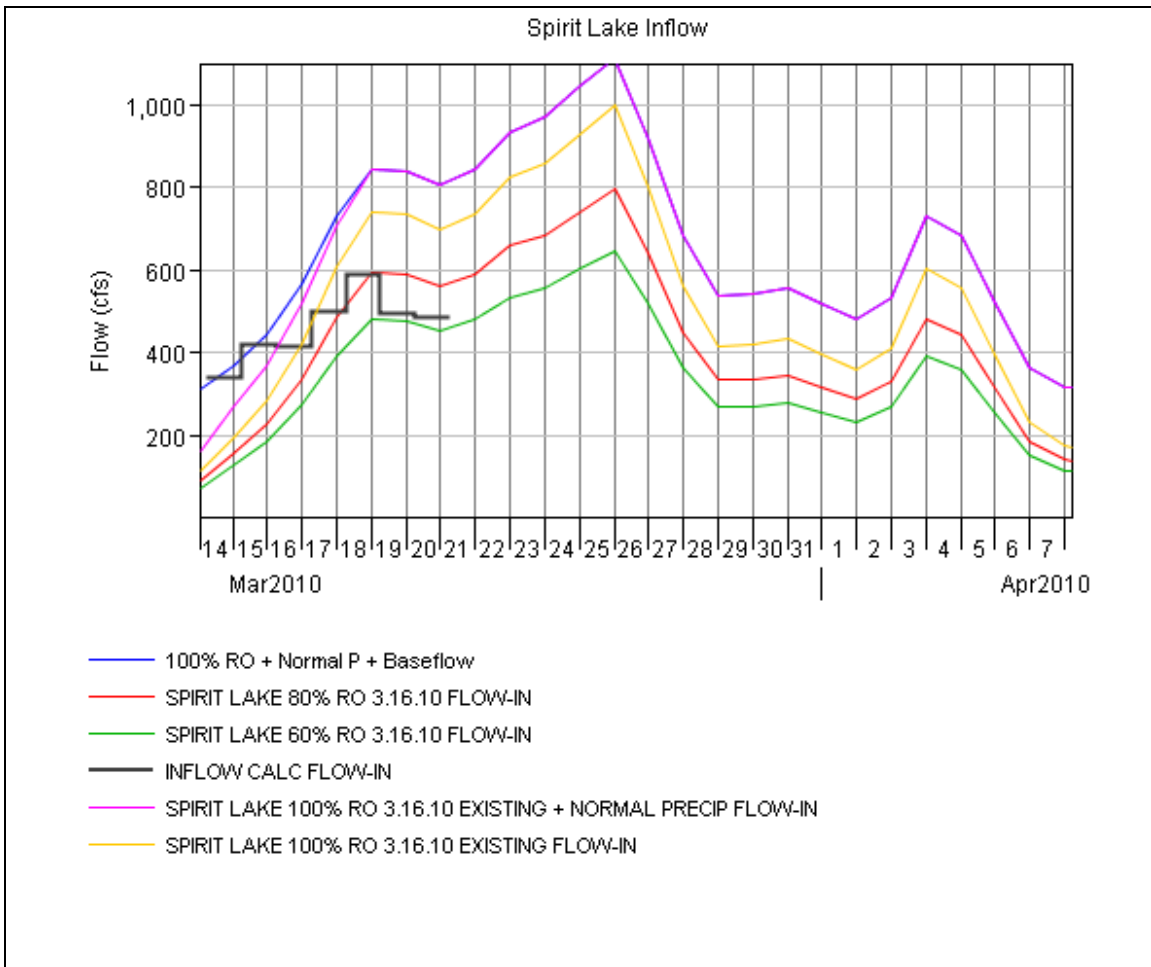


Figure 1 – Spirit Lake Forecast and Observed Inflow

Lower Gar lake elevations were based on a range of forecasts from 60% Runoff with no additional precipitation to 100% Runoff with normal precipitation during March and April. The forecasted maximum lake elevations are shown in Figure 2. The only forecast that exceeded the Damage level was with 100% Runoff and Normal Precipitation. With the Lower Gar Road Breach the maximum lake level could be reduced below the damage stage.

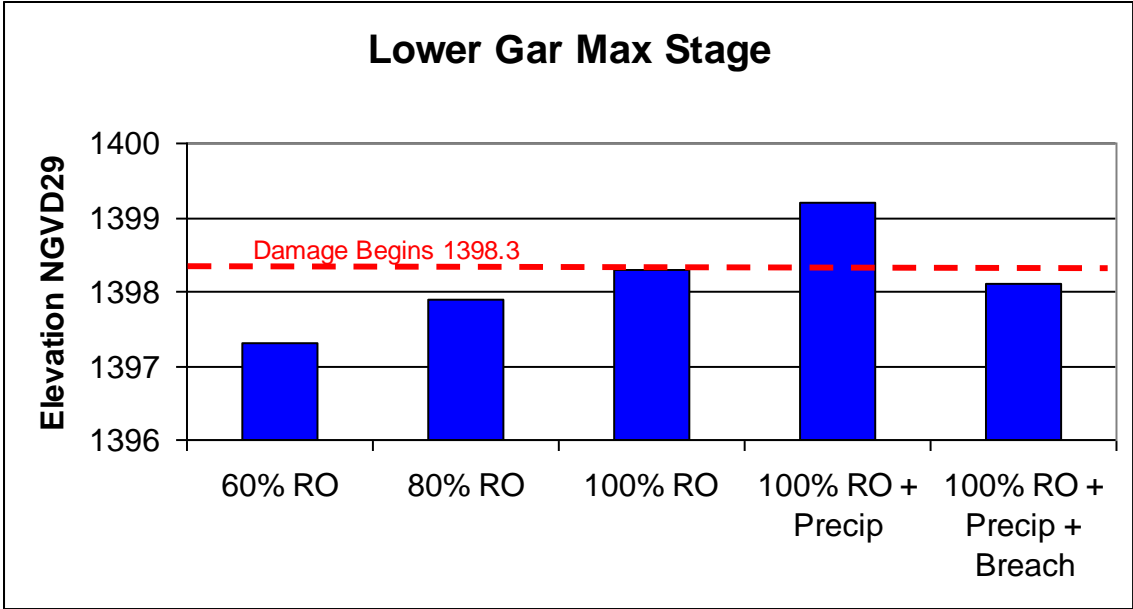


Figure 2 – Lower Gar Forecasted Maximum Lake Elevation.

Because the current inflows are tracking the lower forecasts, the projected lake levels for Lower Gar are beginning to track below the 100% RO + Normal Precipitation forecast as shown in Figure 3. Therefore lake levels are not expected to reach the damage stage unless unusually heavy rainfall occurs within the next two weeks.

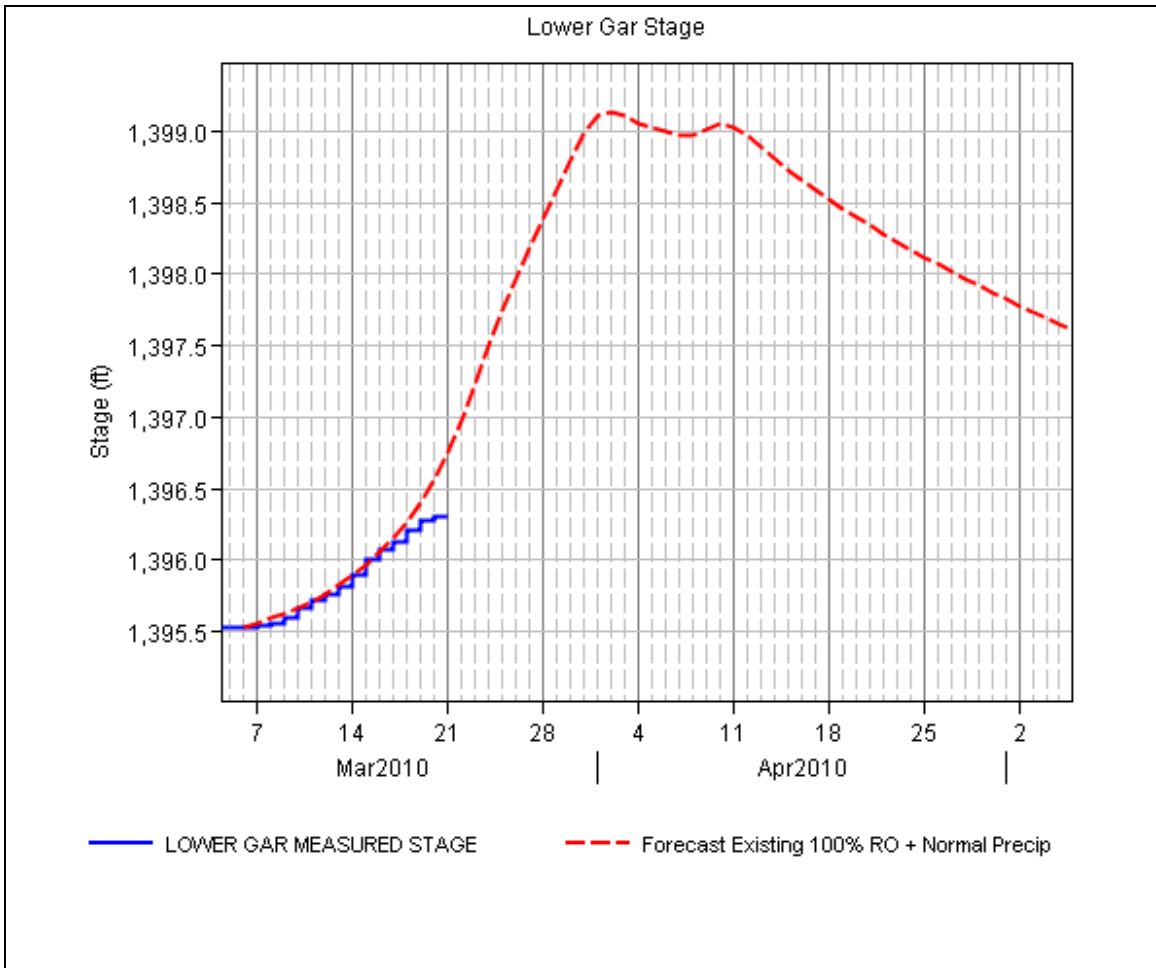


Figure 3 – Lower Gar Observed and Forecast Lake Levels