



STEP 4: Applicant establishes whether there is ADVERSE LOCAL IMPACT: N.J.A.C. 7:50-6.86(d)7
Drawdown of water table by:

- more than 4" at nearest wetland boundary
- any amount in nearest wetland in an adjacent Forest Area
- any amount in Preservation Area District

Intra-basin transfer
Diversion greater than 50,000 GPD
Step 4

Applicant submits THIEM analysis – showing drawdown for all distances up to distance where predicted drawdown is < 4"

Applicant submits and gets approval for hydrogeologic test design, including plan for data collection

Test shows **NO** adverse local impact (meets all 3 criteria)

HYDROGEOLOGIC TESTING

Propose new diversion site

Diversion fails to meet standards – can't proceed

Test/model shows adverse local impact (fails to meet one or more of the 3 criteria)

Applicant develops groundwater flow model using MODFLOW (using values derived from hydrogeologic testing)

Model shows no adverse local impact (meets all 3 criteria)

Meets standards and criteria of CMP, can proceed with diversion

