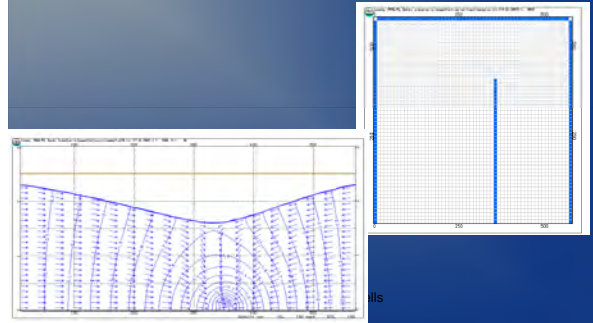


Numerical Modeling

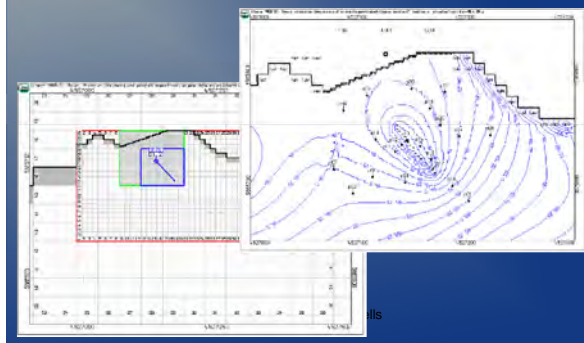
- PCGEOFIM as tool
- Lab model 10 cm x 10 cm x 10 cm
- Field model with telescopic mesh refinements
 - Horizontally and
 - Vertically
- Dimensioning of measuring devices
- Comparison with measured values
- Improvement of model

IMWA 2010, Sydney Dewatering with Horizontal Wells

Modeling - Lab

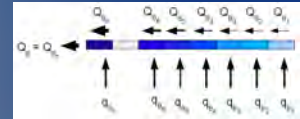


Modeling – Field



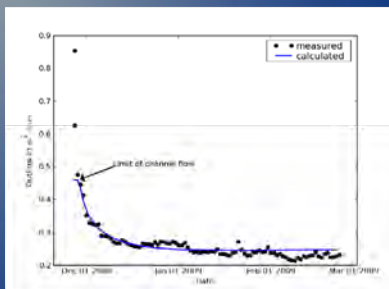
Results

- Model could be improved
- Open channel flow
- Quantitative predictions of yield improved
- Pressure flow also tested
- Lots of experience how to do it



IMWA 2010, Sydney Dewatering with Horizontal Wells

Comparison between Model and Measurements



IMWA 2010, Sydney Dewatering with Horizontal Wells

Next Steps

- Project will be continued
- Based on results significantly improved planning of second phase
- Oriented towards technological out come
- Thanks to DBU



IMWA 2010, Sydney Dewatering with Horizontal Wells