

Results

Density dependant groundwater flow modeling in a typical brackish Dutch coastal environment

29 februari 2012



**M31: bulk
conductivity
top 6m**



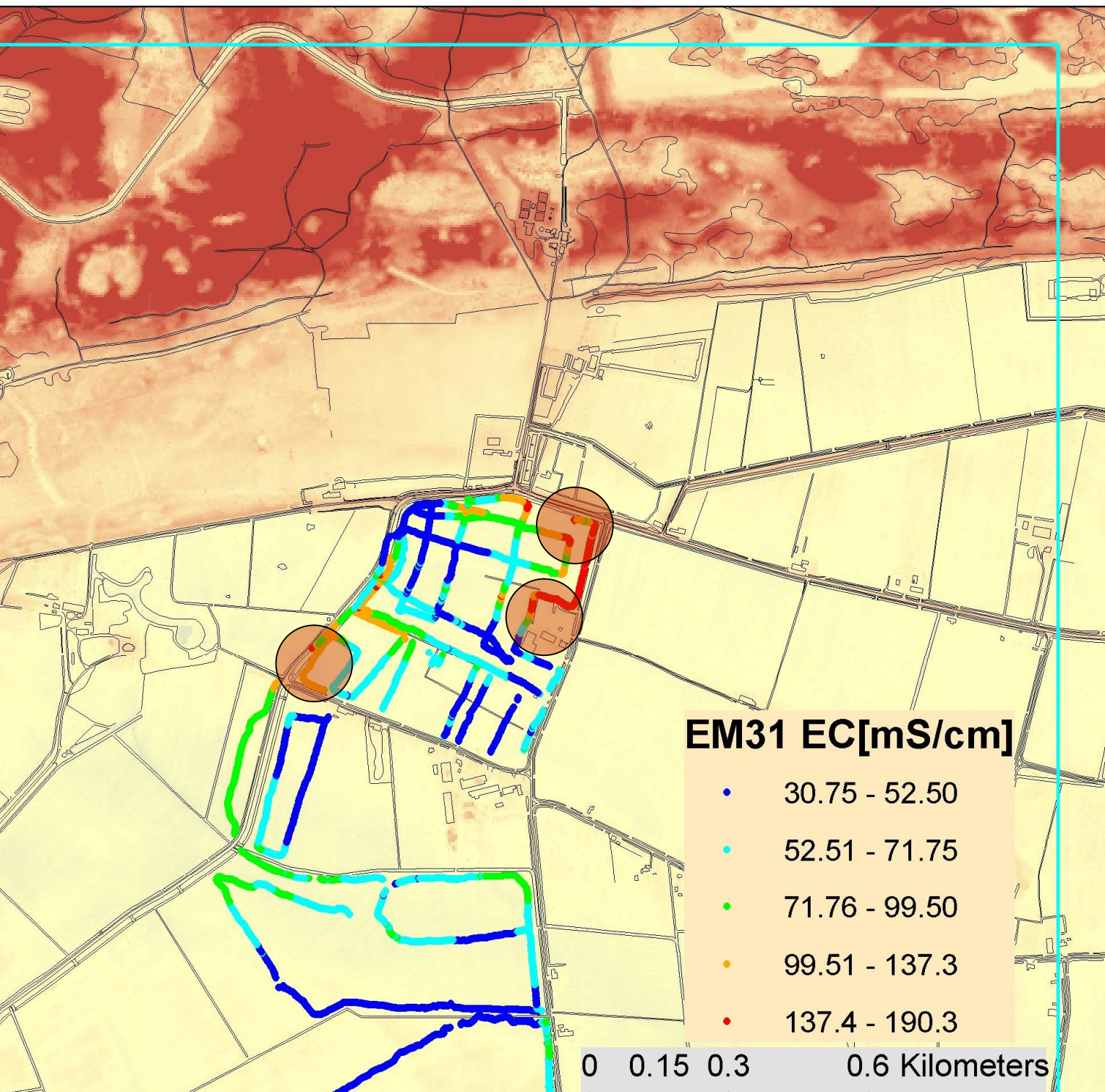
Water EC



**Ondiepe
Boringen**

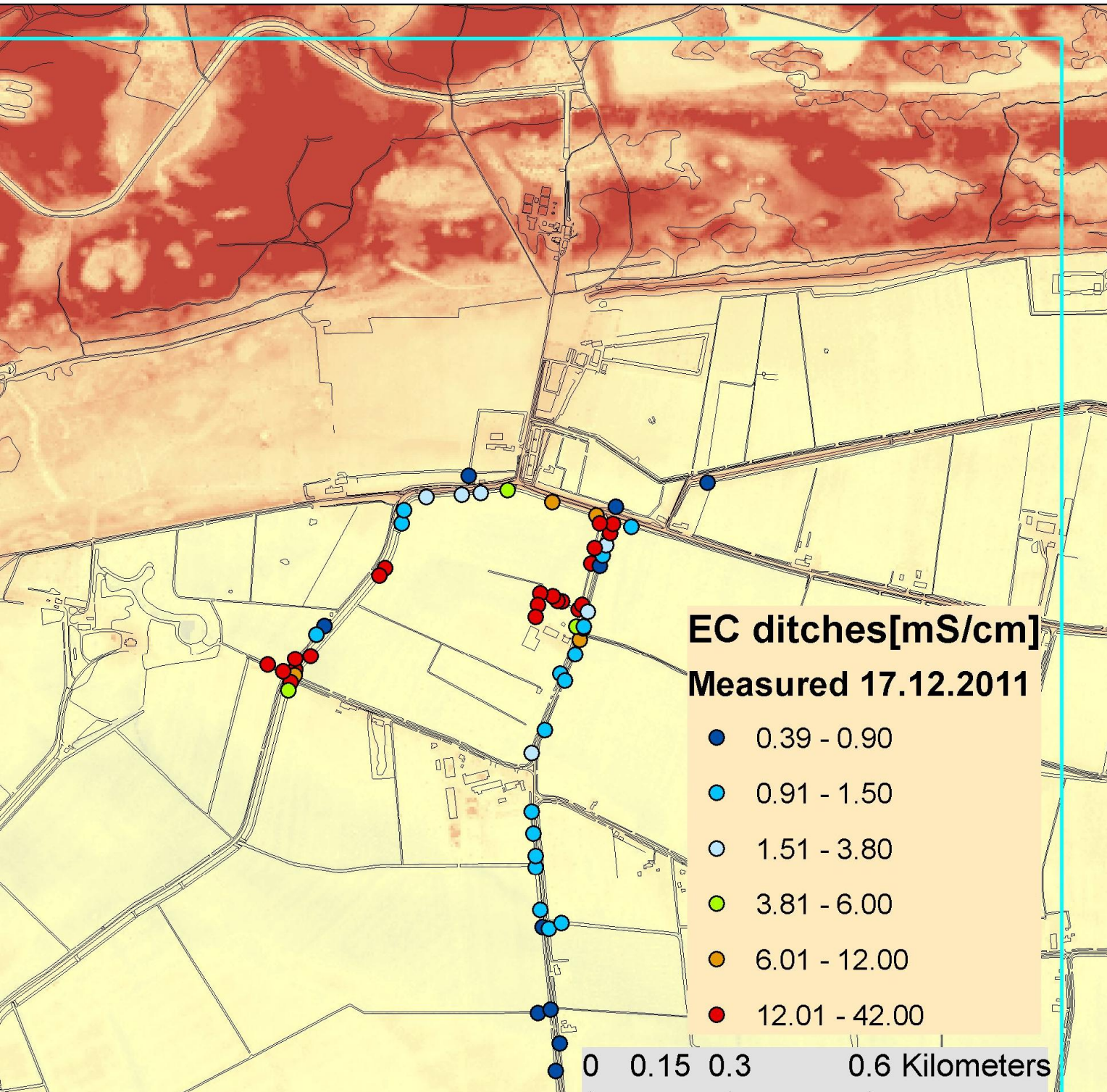


**TEC Probe:
Temp & EC
top soil (0-**



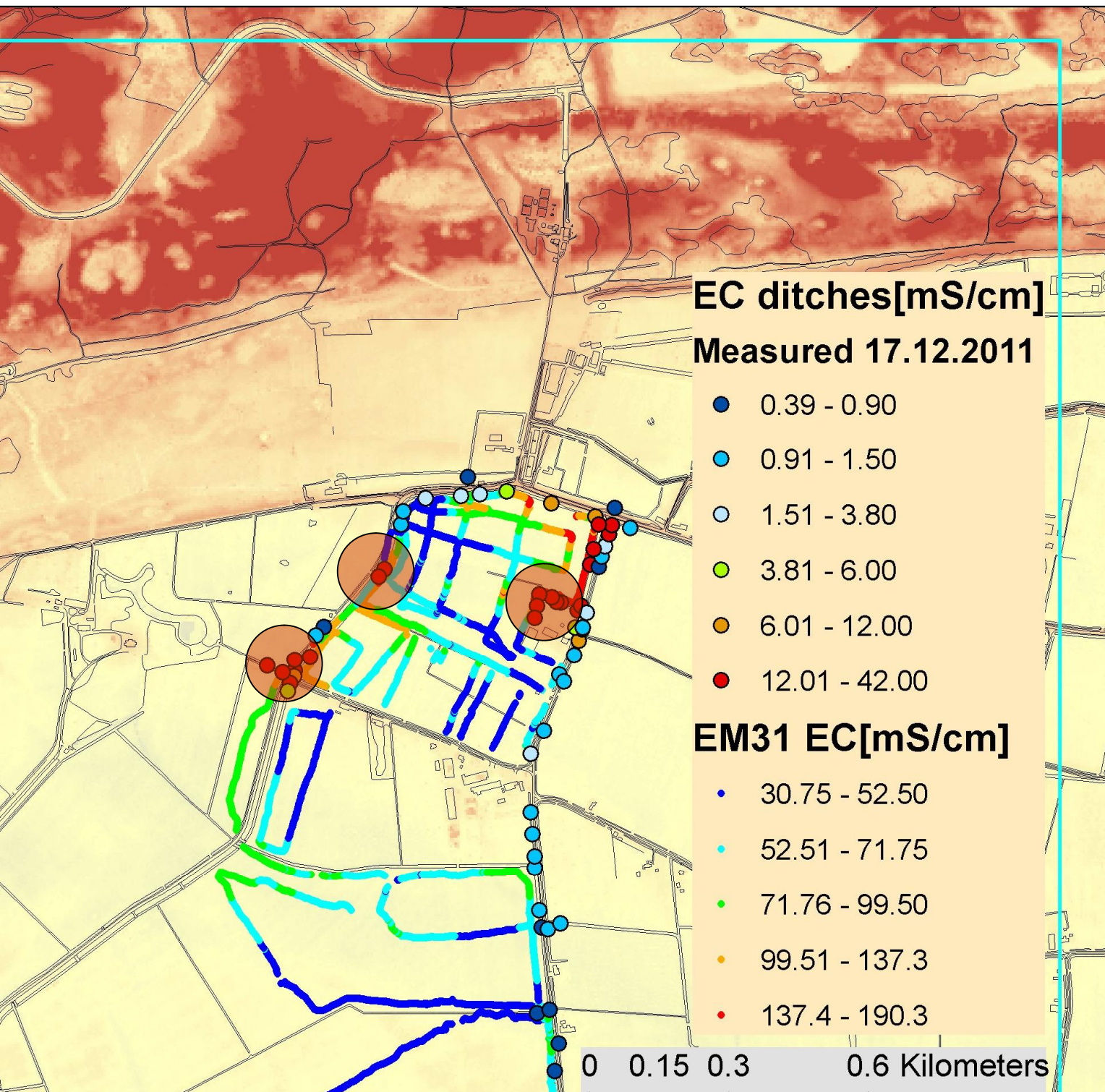
EC grondwater boven
6m:

- Veel gebieden zoe
- Zout grondwater vooral bij sloten

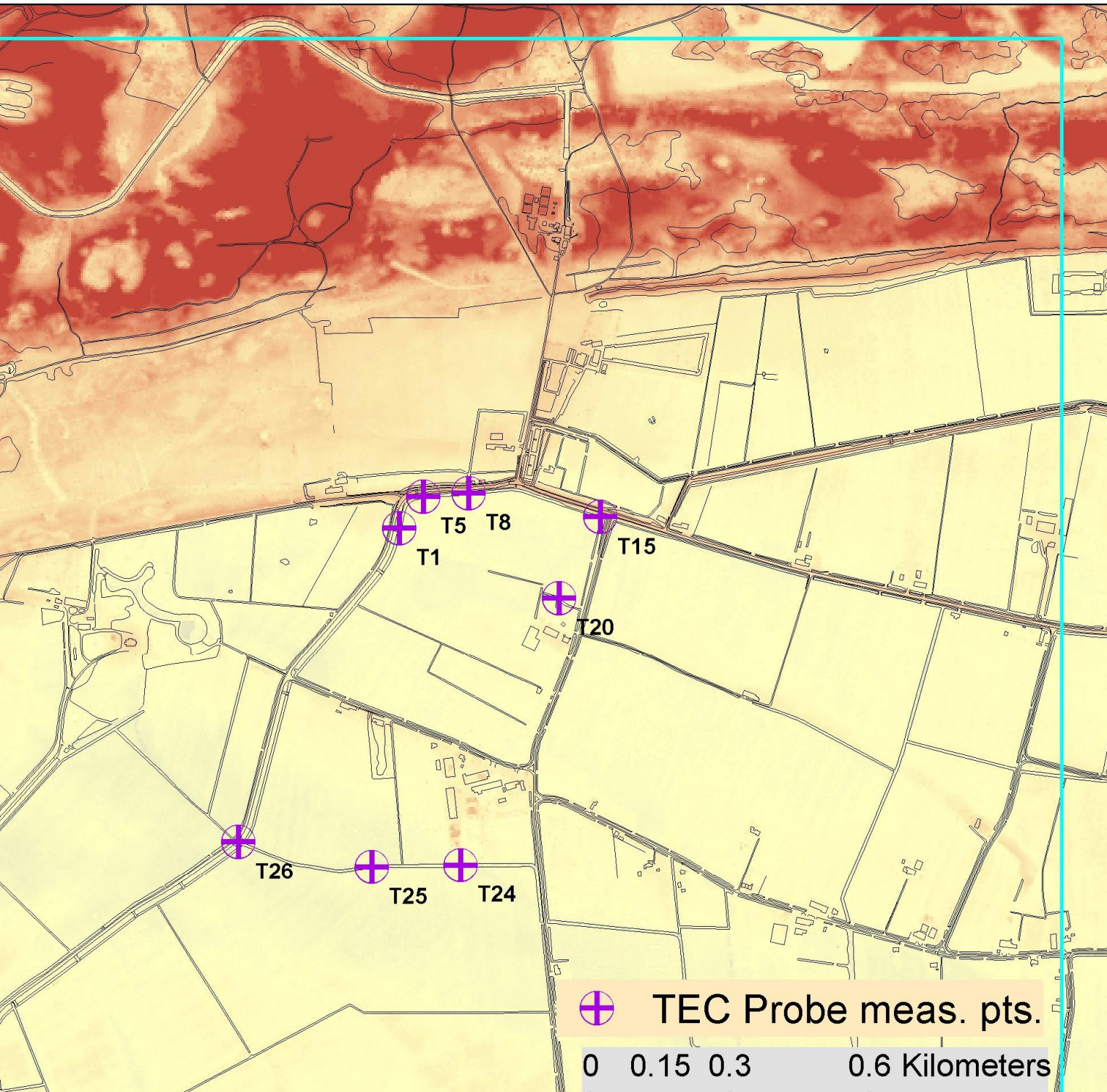


EC slootmetingen:

- Bodem waterloper
- Wintermetingen
- Zoutbron lastig te bepalen



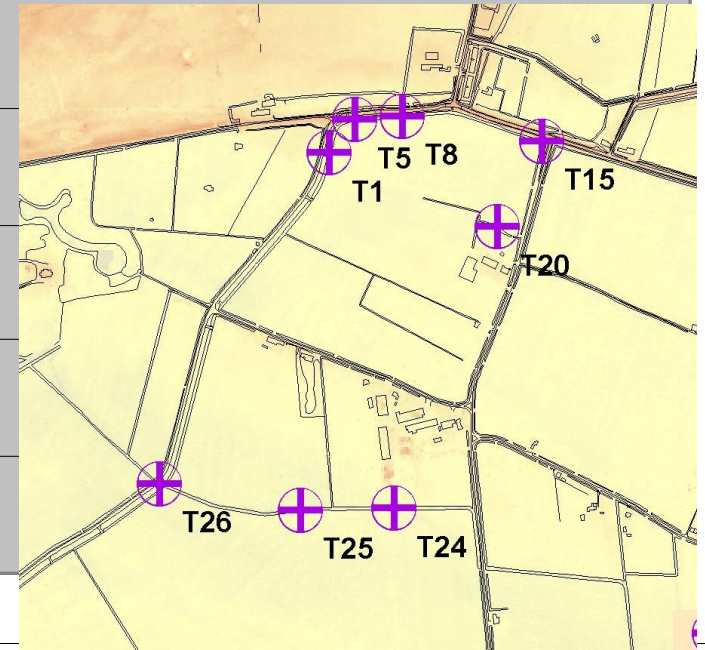
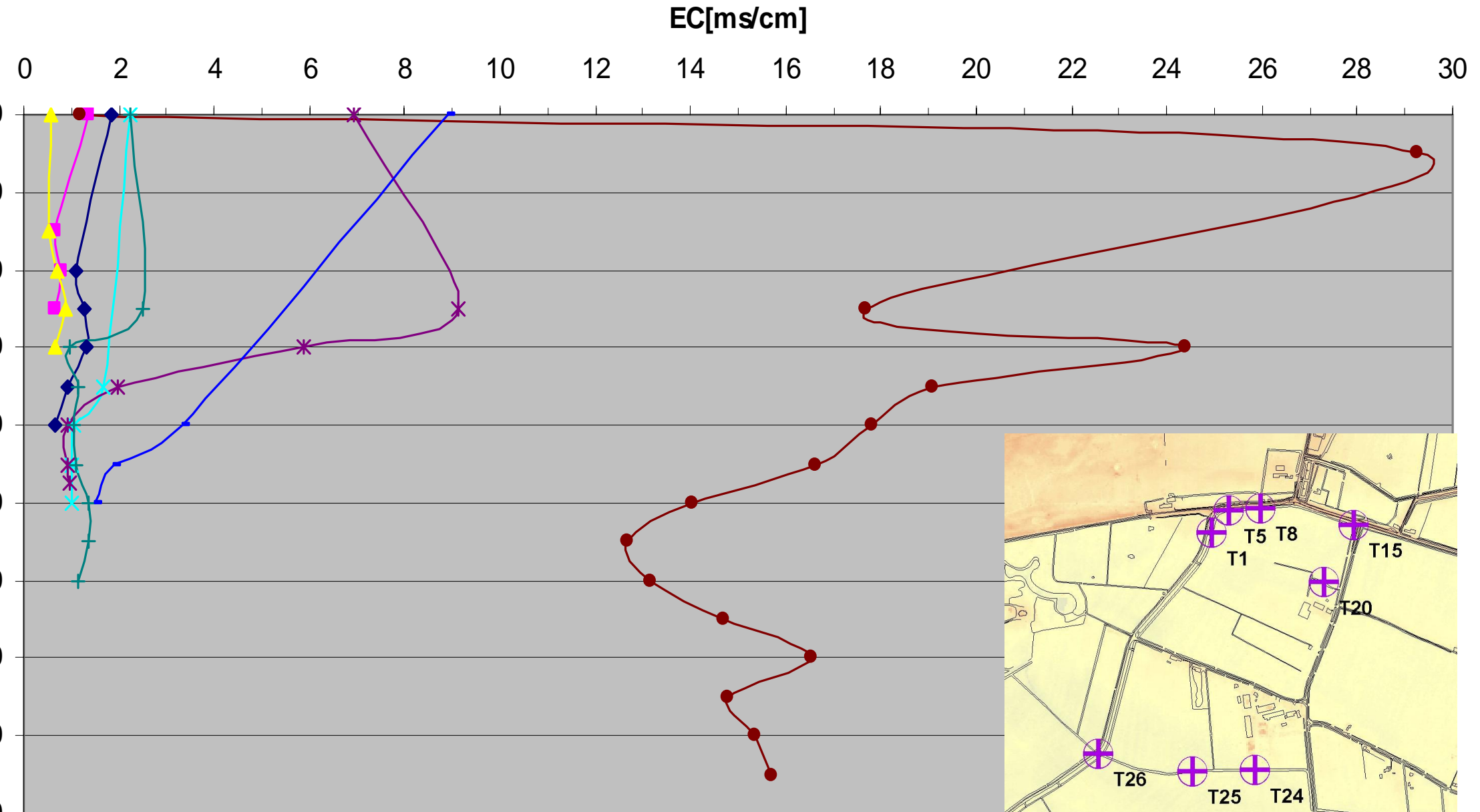
- Duidelijke match zoutgehalte grondwater en oppervlaktewater
- 3 hoofdgebieden zoute kwel



TEC Probe:

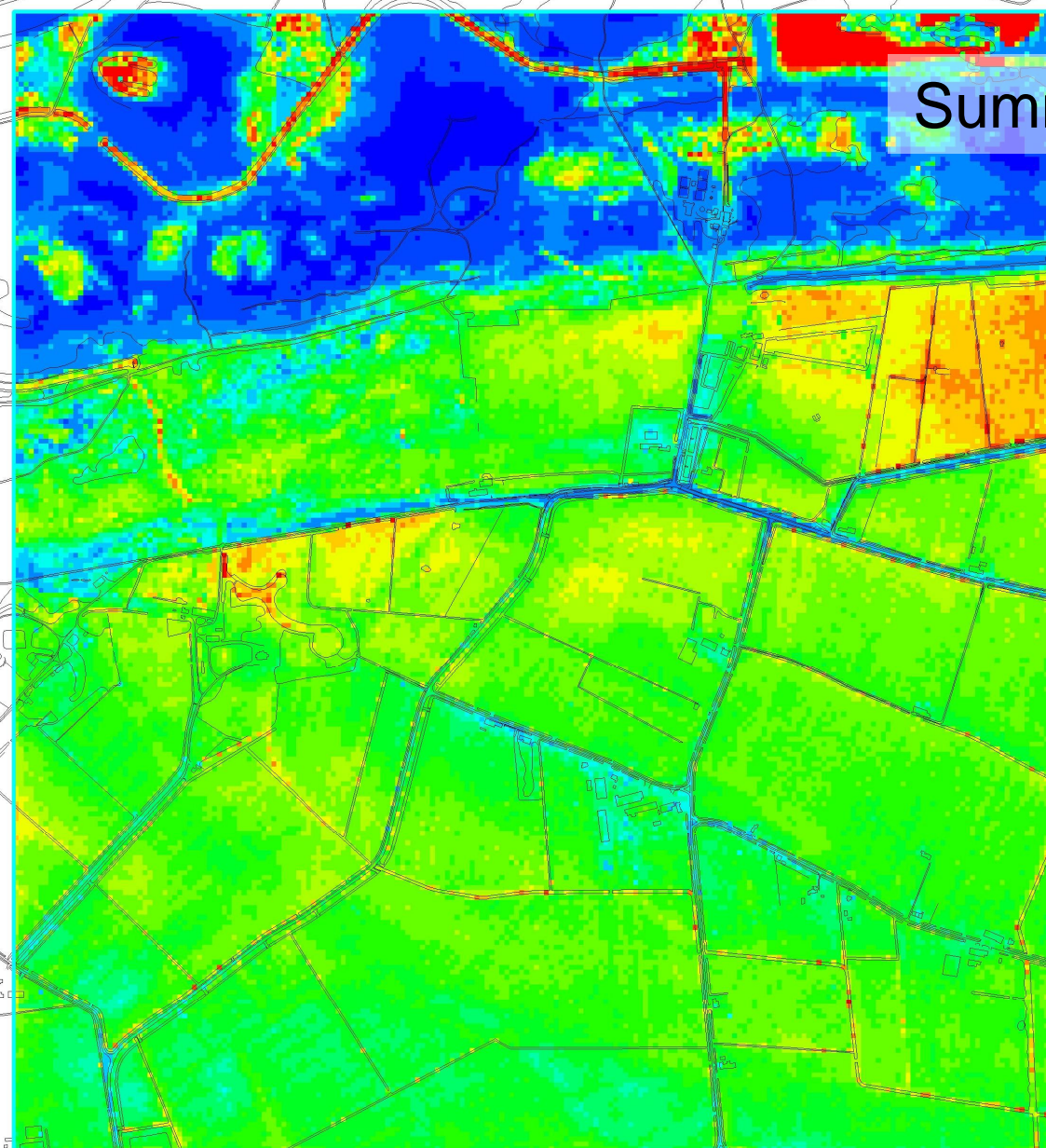
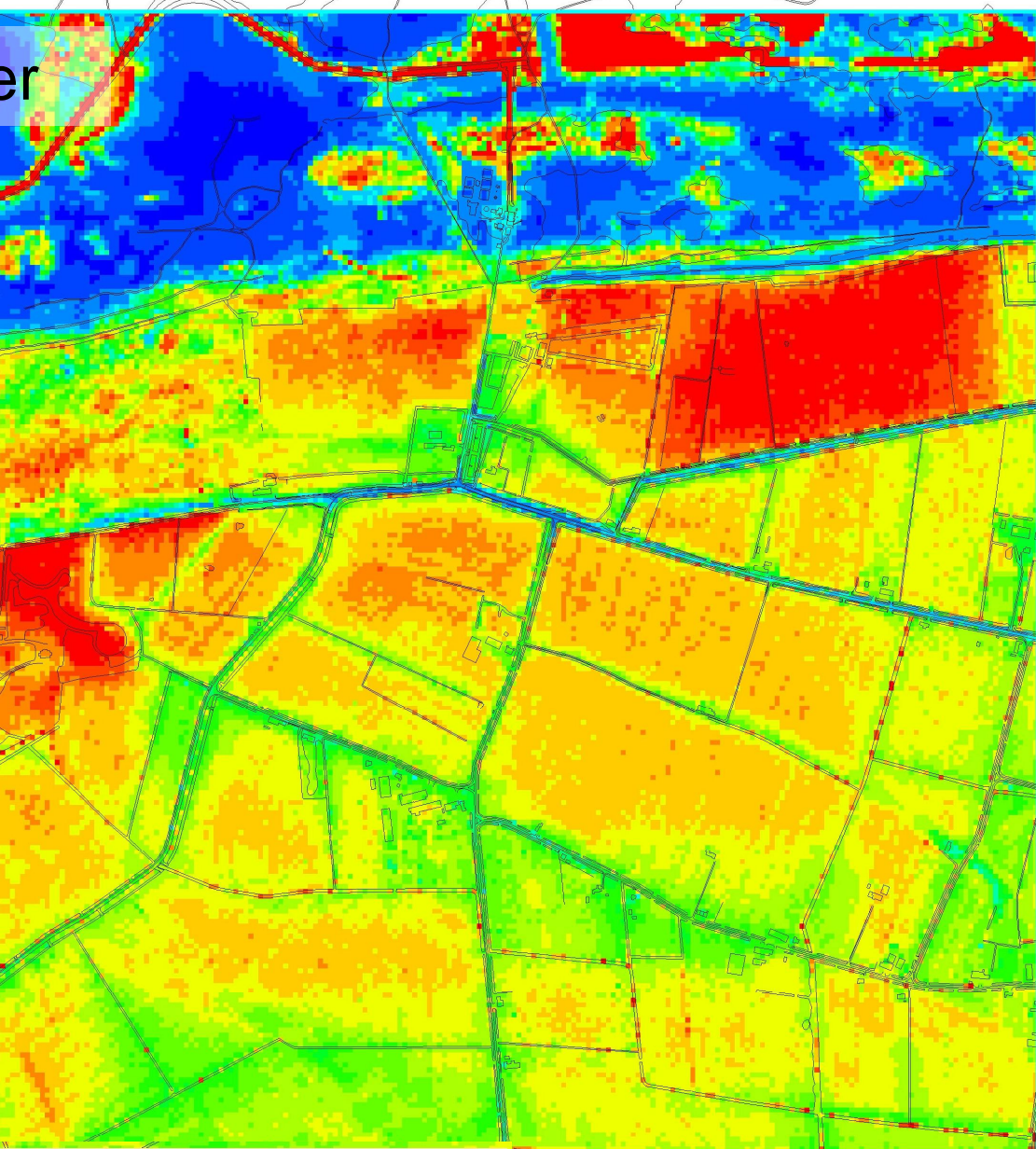
- EC grondwater en ondergrond
- Kan de zoute kwelgebieden aanwijzen

TEC Probe EC profile

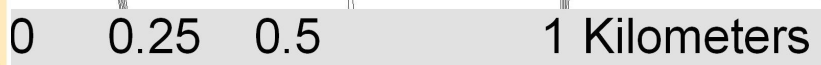


An aerial photograph showing a coastal region. A prominent dike runs along the edge of a large body of water, separating it from a vast area of agricultural fields. The fields are divided into various colored plots, including green, brown, and tan. In the background, a town with numerous buildings is visible. The water shows some sediment patterns near the dike.

2. Model results

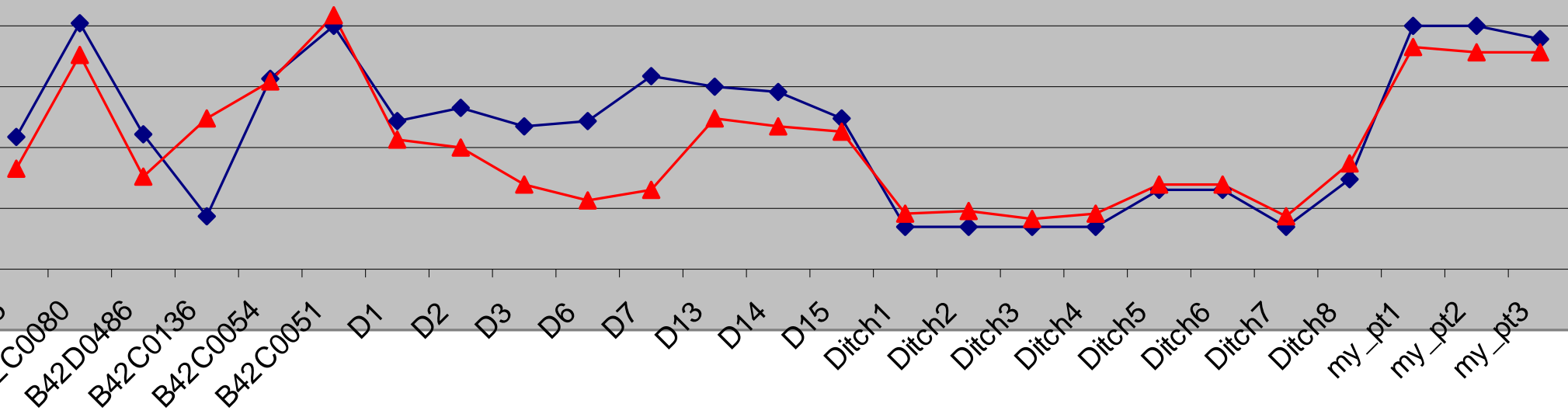


Sum

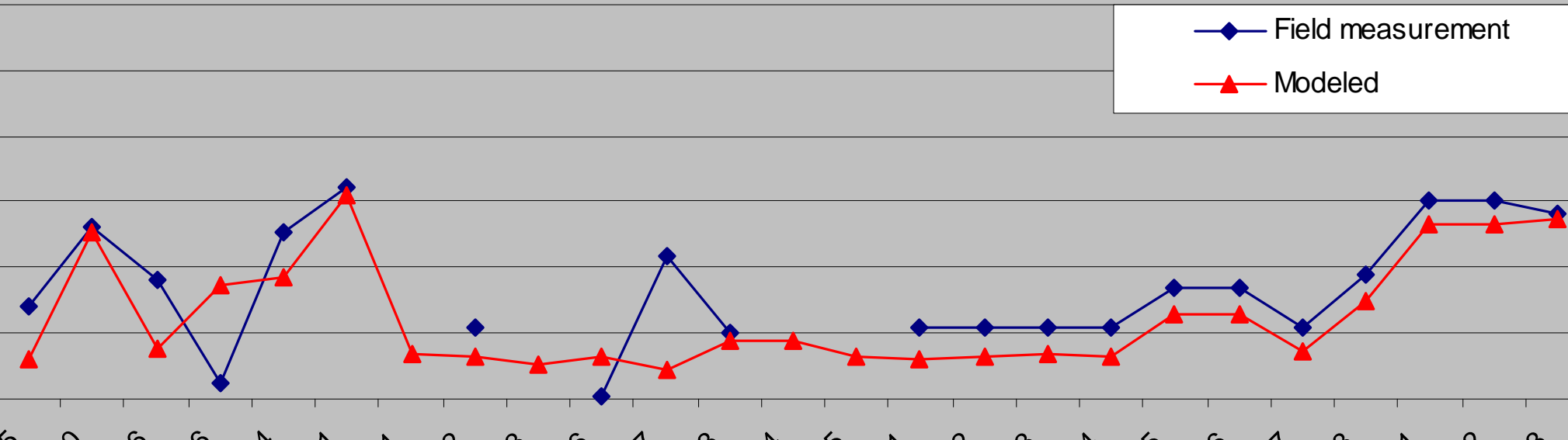




Winter



Summer



An aerial photograph showing a coastal dike system. The dike is a long, narrow strip of land with a green grassy top and a dark, possibly paved or reinforced edge. It runs along the coast, separating a large body of water (the sea) from a large area of agricultural fields. The fields are divided into various colored plots, including brown, green, and tan. In the background, a town with many buildings is visible. The water in the foreground shows some sediment patterns, possibly from a model simulation.

DISCUSSIE:
model results

- Geven de resultaten een goed beeld van de huidige situatie?
 - Waar wel?
 - Waar niet?
- Interessegebieden voor aanvullende metingen?