Hydra-NL Water Level Extraction

1. Hydra-NL desktop app installation. Contant Karolina Wojciechowska for installation details and to get last Hydra-NL version.
2. Open Hydra-NL in Beoordelingsmodus.

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1. Explore and load a database of a region of interest by selecting *Randvoorwaarden>Beheren>Toevogen*

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A database of the area of interest in .sqlite format downloaded from [STACK - Shared files (stackstorage.com)](https://fbwvl.stackstorage.com/s/cQJwECwRv88jqsc/en/files/36653) or [STACK - Shared files (stackstorage.com)](https://fbwvl.stackstorage.com/s/cQJwECwRv88jqsc/en/files/36791) can then be added. In this case, WBI2017\_Waddenzee\_Oost\_6-7\_v03.sqlite. Visit [Map images (waterveiligheidsportaal.nl)](https://waterveiligheidsportaal.nl/nss/prognosis) to know more about the areas of interest names.

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If added successfully, the database can be visualized in the *Randvoorwaarden* window.

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1. Visualize area of interest by selecting the database in the map using the scroll down area of interest menu.

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1. Select the point of interest to generate exceedance water level. Move, zoom in and select with the top left home screen tools  .

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1. Calculate exceedance water level by selecting *Berekening>Start dijkvakberekening.* Assing a name for the calculation in *Naam berekening* and for the saved excel file in *Naam overzichtbestand*. In this case, excedance\_water\_level\_6-7. Ensure to check *Resultaren naar overzichtbestand schrijven* box

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To define exceedance frequencies go to *Parameters* in the *Start dijkvakberekening* window and change *Frequenties* settings. Frequencie years are only available for 10 – 1000000 range.

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Press *OK* in the parameters window, and then *Start* in the *Start dijkvakberekening* window to compute excedance water levels for the selected point of interest.