

Fact Sheet topoCap™

Quality: Automatic and accurate raster-to-vector object conversion. Semi automatic digitizing of topographic contour-, water and situation- objects. Automatic calculation of height values for contours. Automatic detection of inconsistencies in original. Secures all height curves have one height value. Automatic generated water- and land use- regions. Secures connected water network. Automatic separation of index curves. Extensive range of tools for interactive consistency control, visual inspection and interactive editing of vector objects.

Efficiency: Work flow consist of a set of automatic operations with interactive control and eventual editing after each step. No repetitive and time consuming interactive data capture. Automatic detection of inconsistencies and guidance to problem areas on map. No need for panning around looking for errors. Special developed work flow for contours-, water- and situation-objects

Export formats: Shape,
Other formats on request.

Scanning: KartoScan FB IV high accuracy (picture inside brochure). 110 cm x 150 cm, 1200 dpi, back light scanning.

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The logo for TopoCap™ 3.5 features a yellow triangle pointing upwards, with the text "TopoCap™ 3.5" in a bold, black, sans-serif font centered within a white rectangular box that has a slight drop shadow. The background of the entire page is a topographic map with contour lines and elevation labels such as 192.8, 183.2, 180.7, 182.0, 168.4, 170.14, 198.6, 199.5, and 199.2.

TopoCap™ 3.5

"The tailored software from ProCaptura has increased our production rate more than 4 times our earlier conversion processes."

Erik Perstuen, Deputy Director, Norwegian Mapping Authority.

The proCaptura logo consists of the word "proCaptura" in a lowercase, bold, sans-serif font. The letter "o" is stylized with a yellow swoosh that curves around it from the bottom left to the top right.

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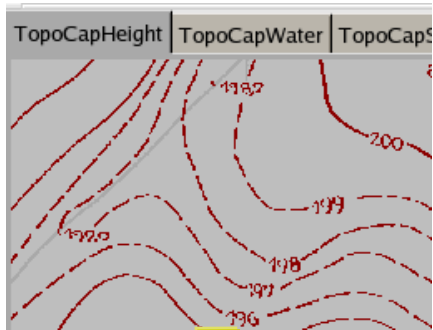
Scanning

The efficiency in the conversion project depend on the quality on the raster image. For most elevation maps scanning at 508 dpi gives good results. For "busy" maps with thin line width, resolution up to 1200 dpi is available.



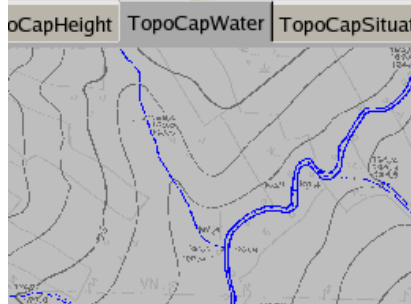
Contour data

Automatic raster-to-vector object conversion, separating of index curves and text, trimming of contours to the map border, making contours continuous, automatic calculation of heights for contour curves, handling of different types of contour curves, handling of height regions and point data, consistency checks and discovery of errors on original map. Interactive cleanup and editing tools. User supplied parameters to be tailored to your maps.



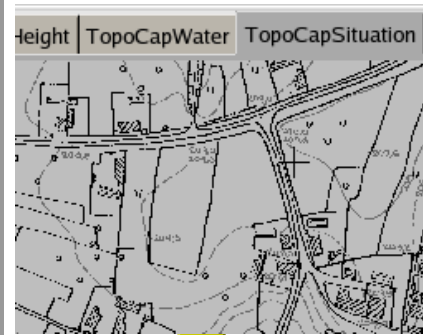
Water data

Automatic raster-to-vector object conversion, interactively adding region type information (river, sea, ocean, etc), automatic creation of regions secures consistencies and no regions are omitted, interactively adding linear types (streams, canal, etc.), adding flow directions, handling of interrupted regions (bridge over river, etc.). Interactive editor for handling of bad originals. Automatic consistency controls and operator guidance to problem areas.



Situation data

Automatic raster-to-vector object conversion, interactively adding region type information (land use), overlapping regions allowed, allows regions bounded by height-/ water-/ and situation objects, automatic detection of conflicting use or unassigned regions, interactively classification of linear objects (roads, paths, cables, etc.), capturing of point objects, Interactive editor for handling of bad originals. Automatic consistency controls and operator guidance to problem areas.



GIS

Exported Digital map

Finally, the new vector data is saved and exported to your preferred GIS via Shape formats.

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