



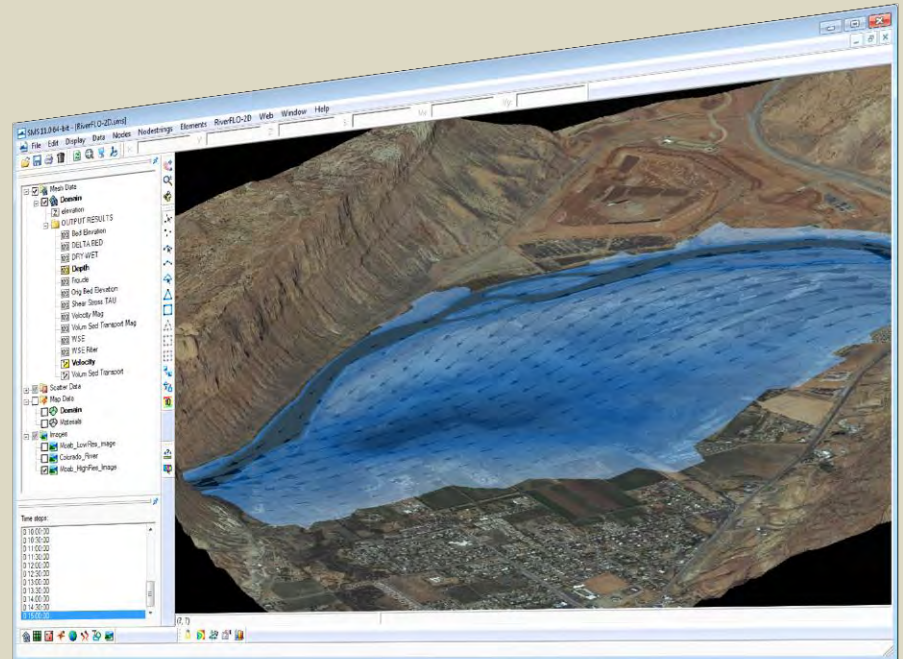
2014 –Version von Surface-water Modeling System (11.2)

Was ist neu

Alan K. Zundel, Ph.D.

Veranstaltung Anwendertreffen HYDRO_AS-2D

11. November 2014





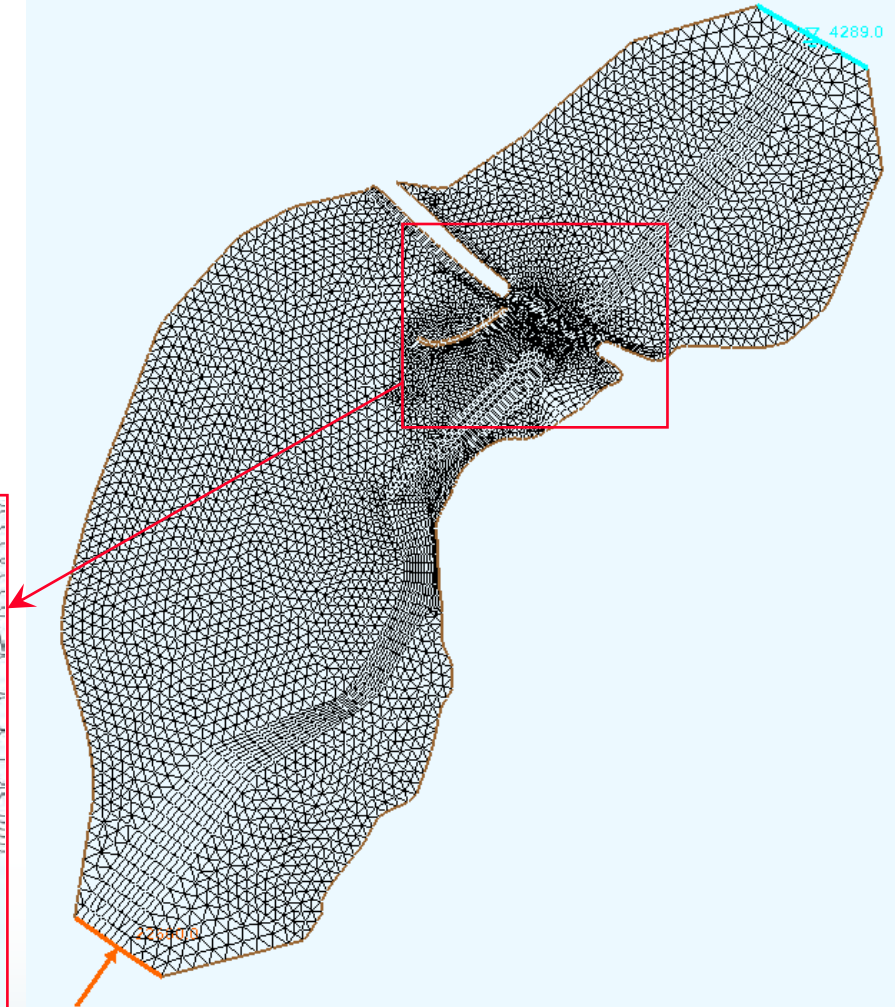
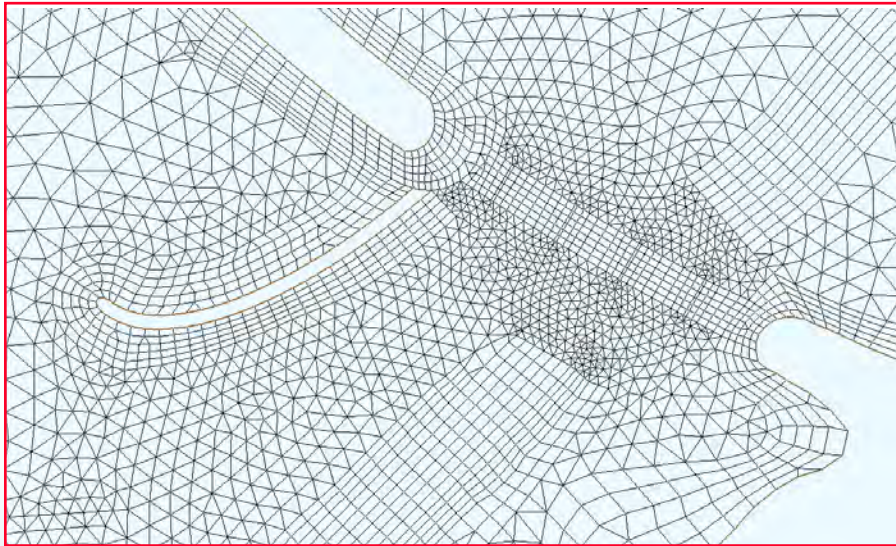
Neue Funktionen

- Mesh Werkseuge
- Koordinatenprojektionen
- Dynamische Bilder
- Werkzeuge für den Datenimport
- Konzeptionelle Modell für HYDRO_AS-2D
 - (Map Module)



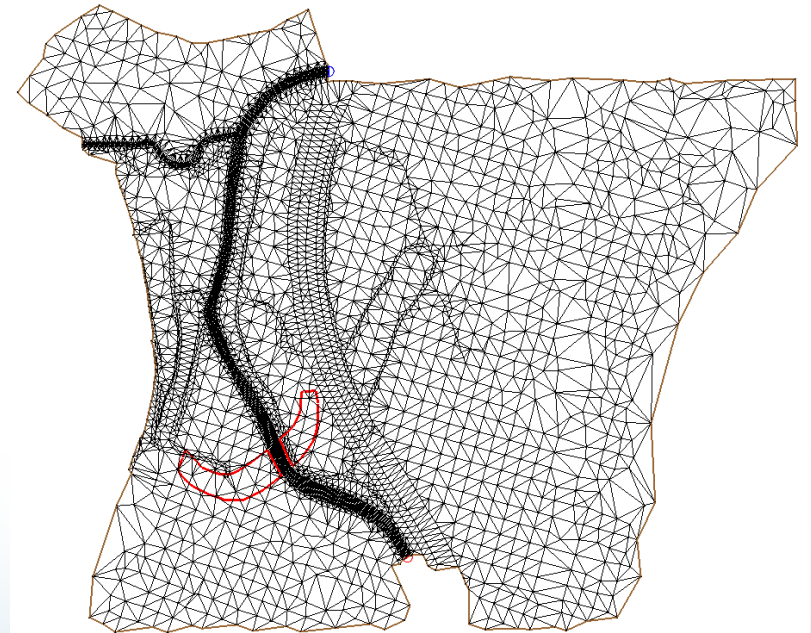
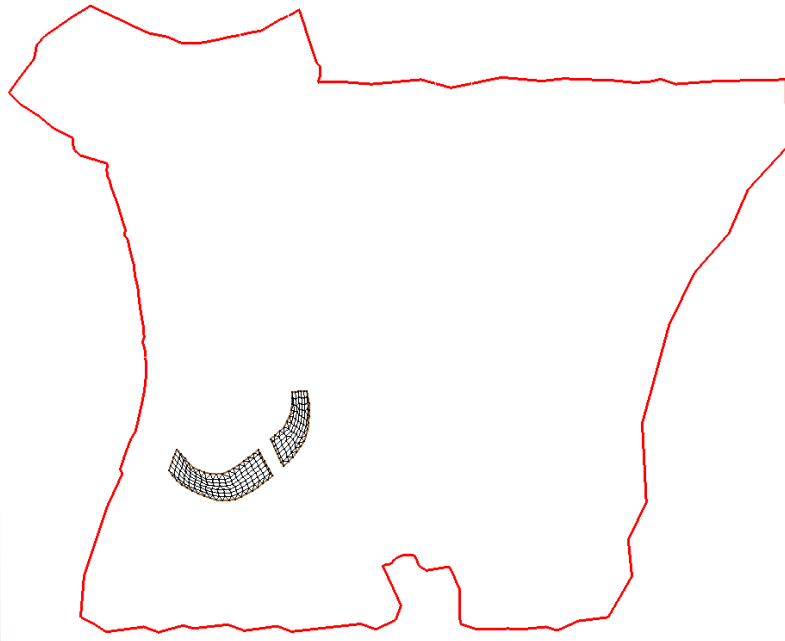
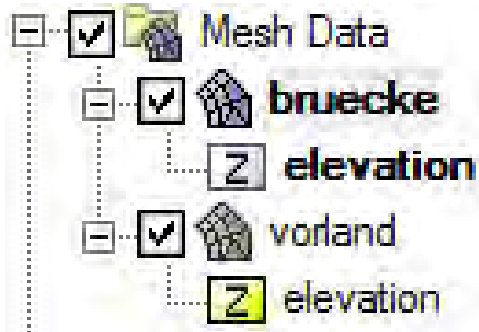
Mesh Werkseuge

- Mehrere Meshes
- Subset bearbeiten
- Global renumber





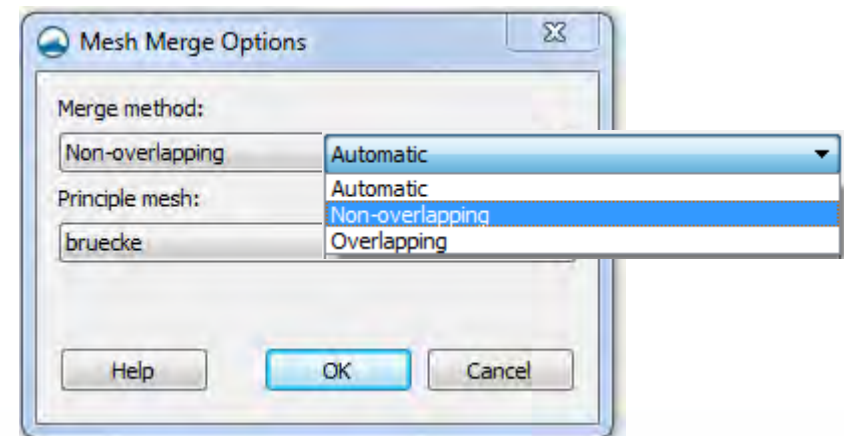
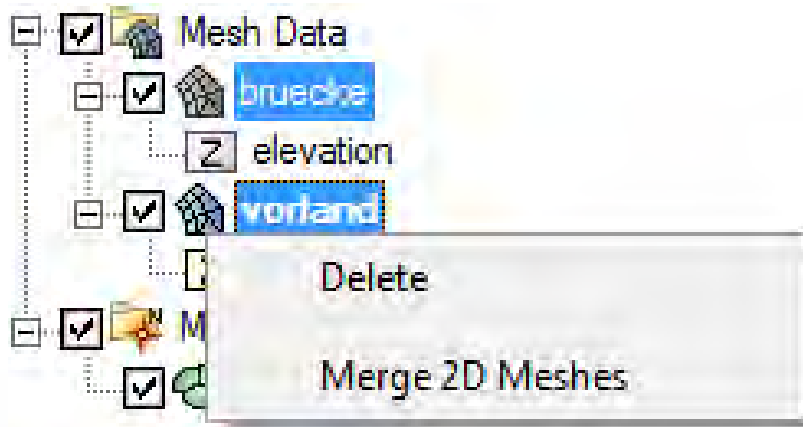
Mehrere Meshes





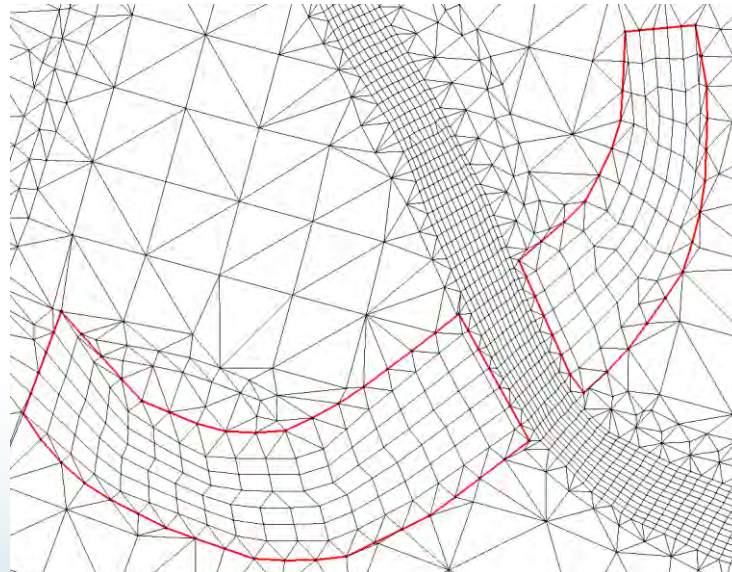
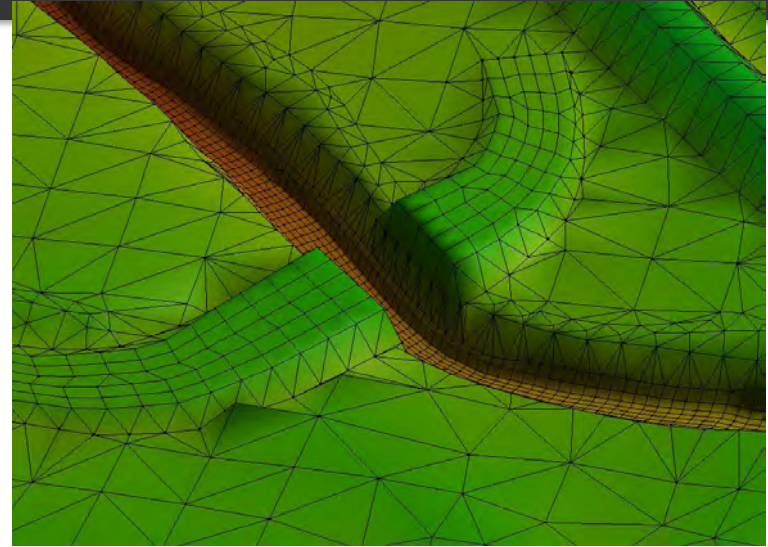
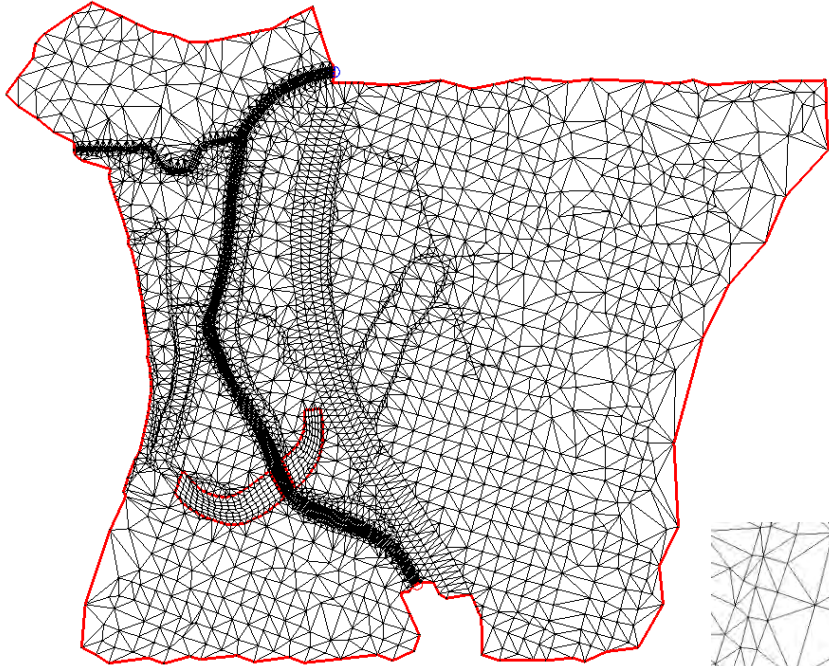
Zusammenführen von Optionen

- Überlappung
- keine Überlappung (einschließlich gemeinsame Kante)
- Automatisch (kann langsam sein)





verschmelzen Ergebnisse





Subset bearbeiten

- Schnellere edit / Anzeige im lokalen Bereich
- Verfahren
 - Zoom auf lokale
 - Wählen Sie Elemente
 - Rechte Maustaste - "Edit Subset"
 - Bearbeiten/Bewertung
 - Rechte Maustaste - "Commit/Revert"

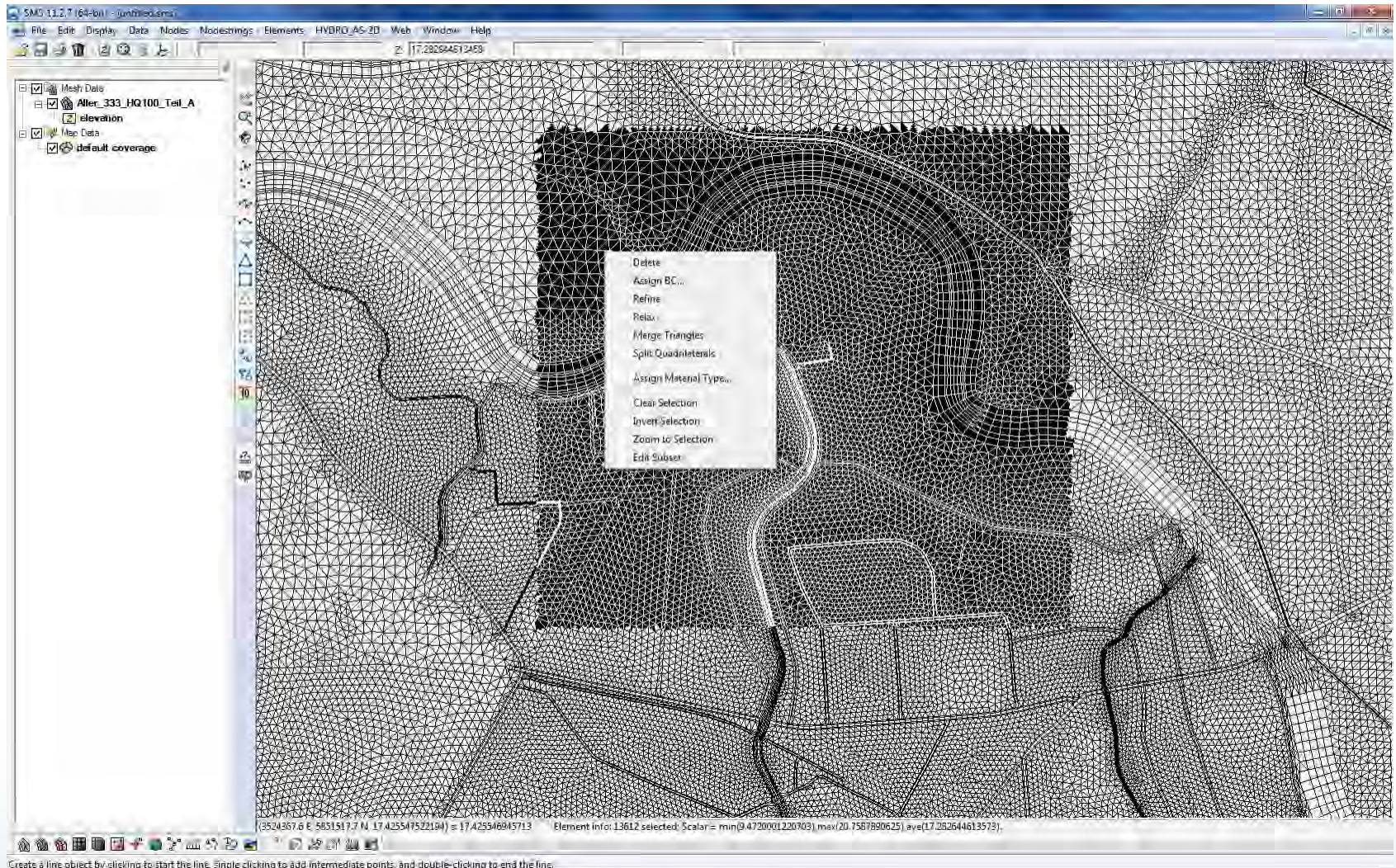


Zoom auf lokale



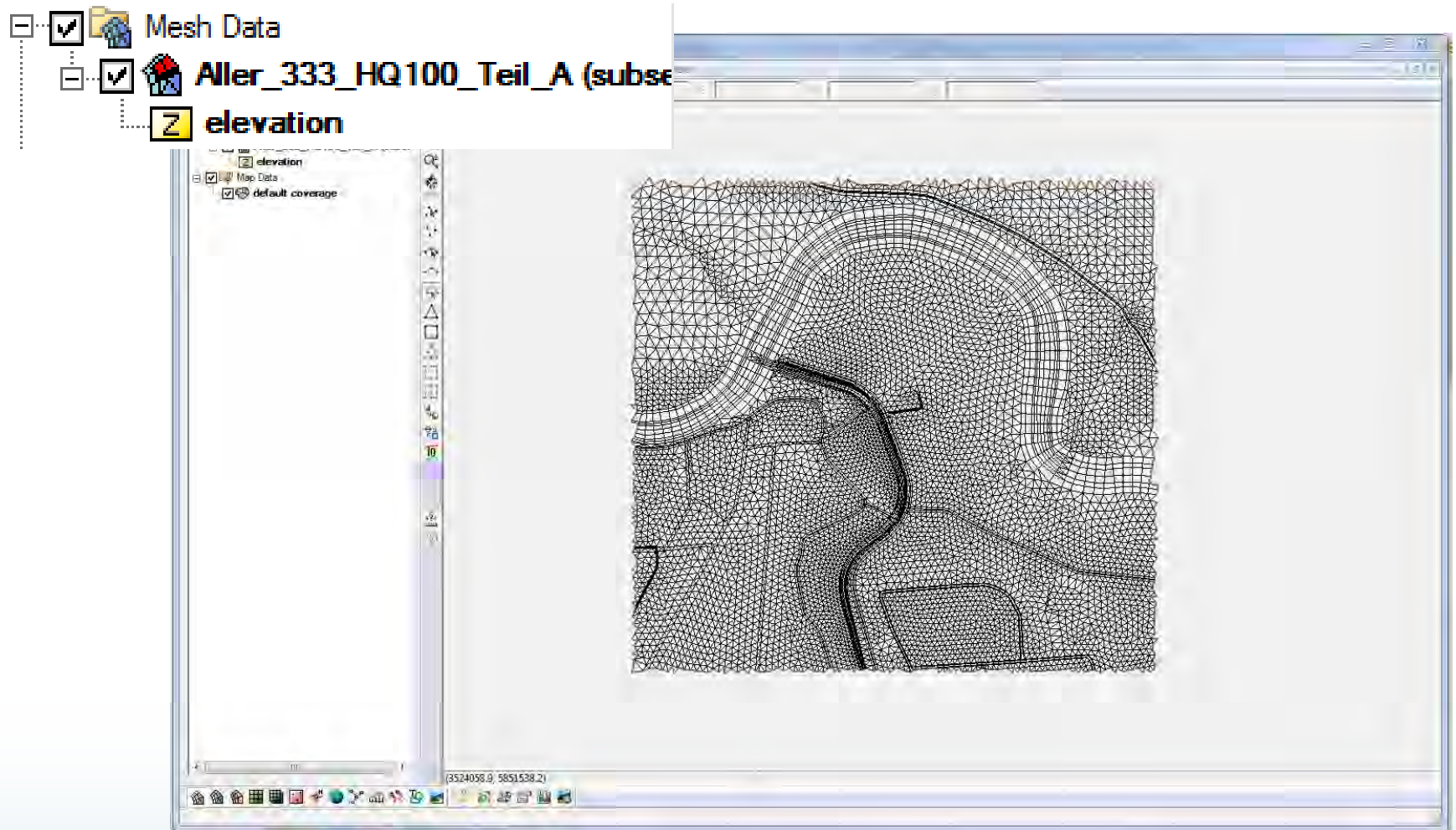


Wählen Sie Elemente - "Edit Subset"



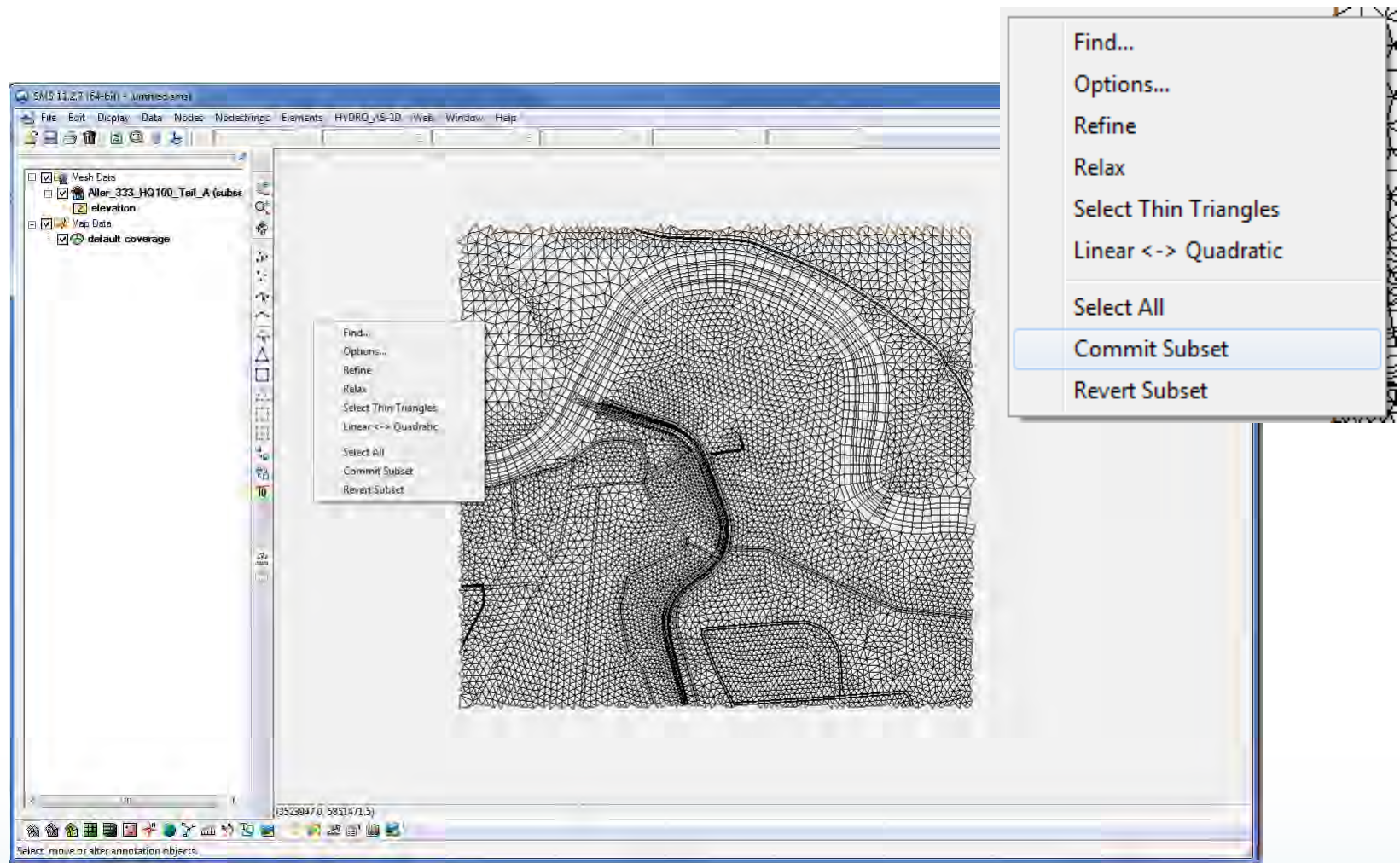


Bearbeiten/Bewertung





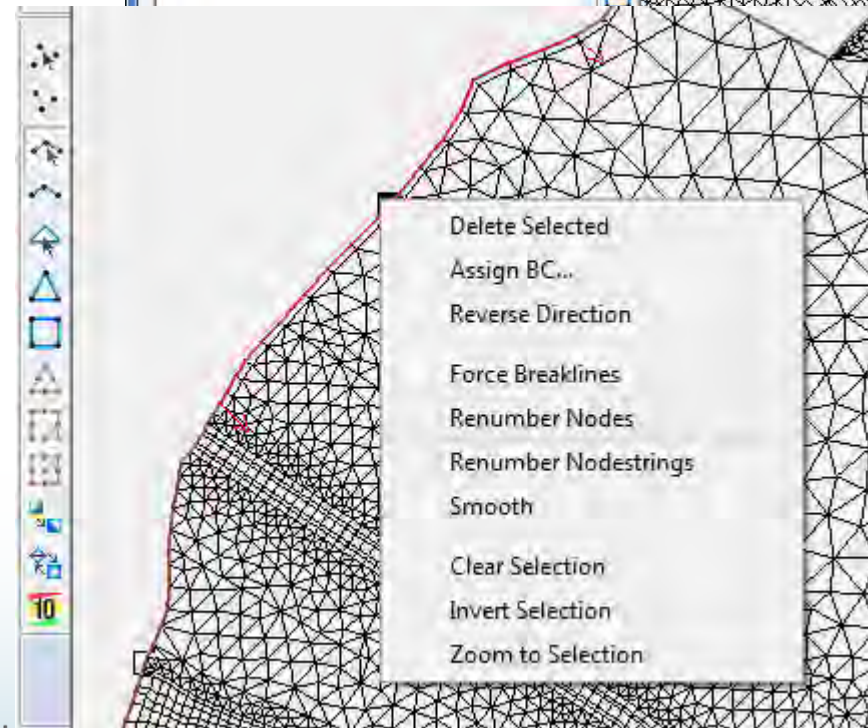
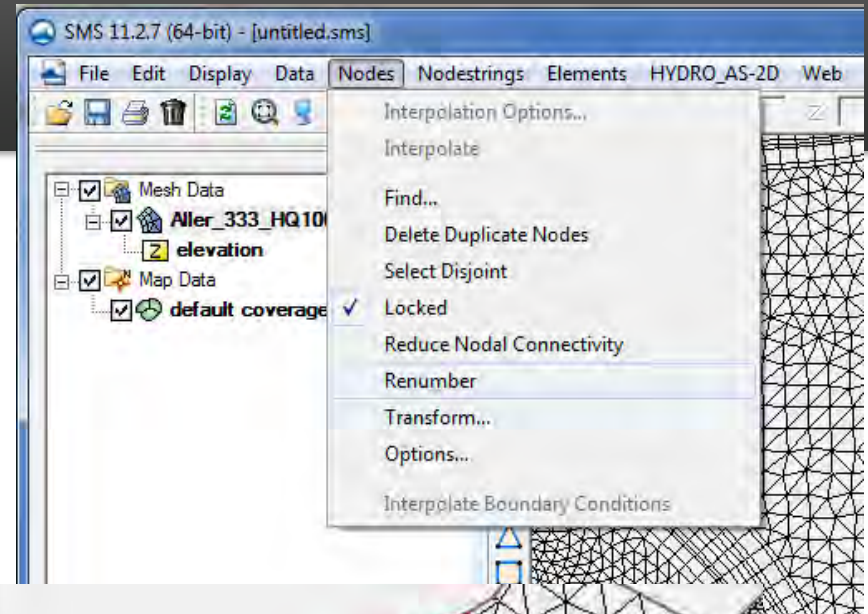
"Commit/Revert"





Global renumber

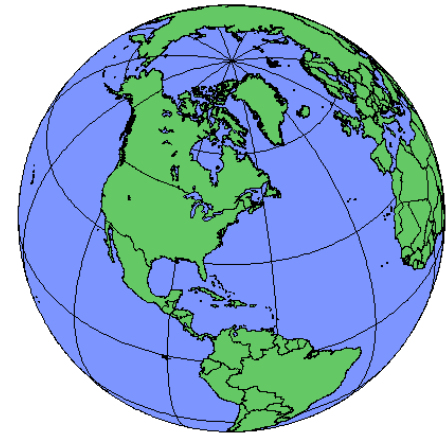
- Node –Menü
- Lokale Renumber auf Nodestring verfügbar



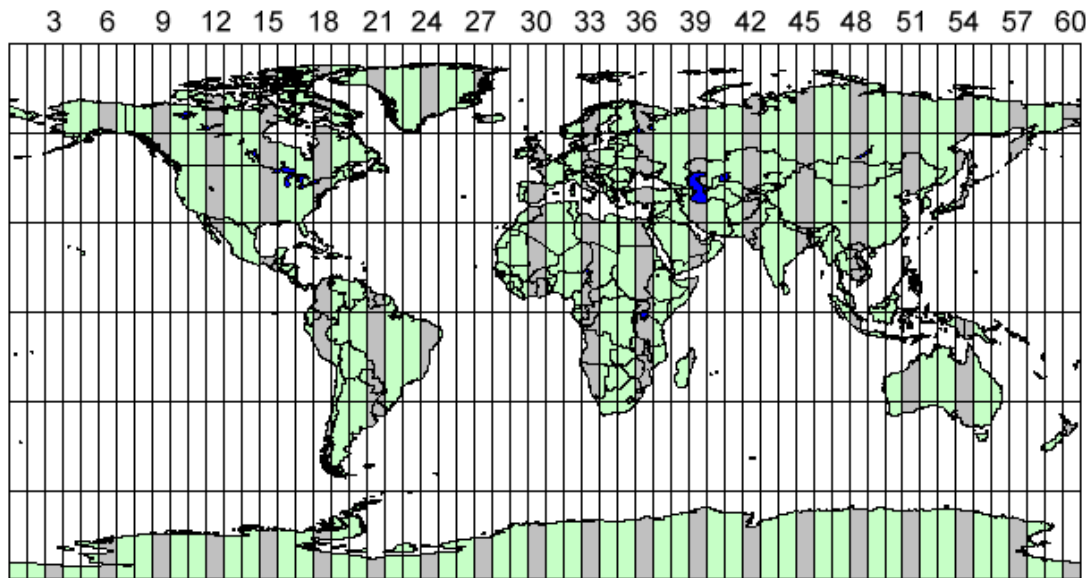


Koordinatenprojektionen

- Anzeige Projektions
- Object Projektions
- Reprojektion

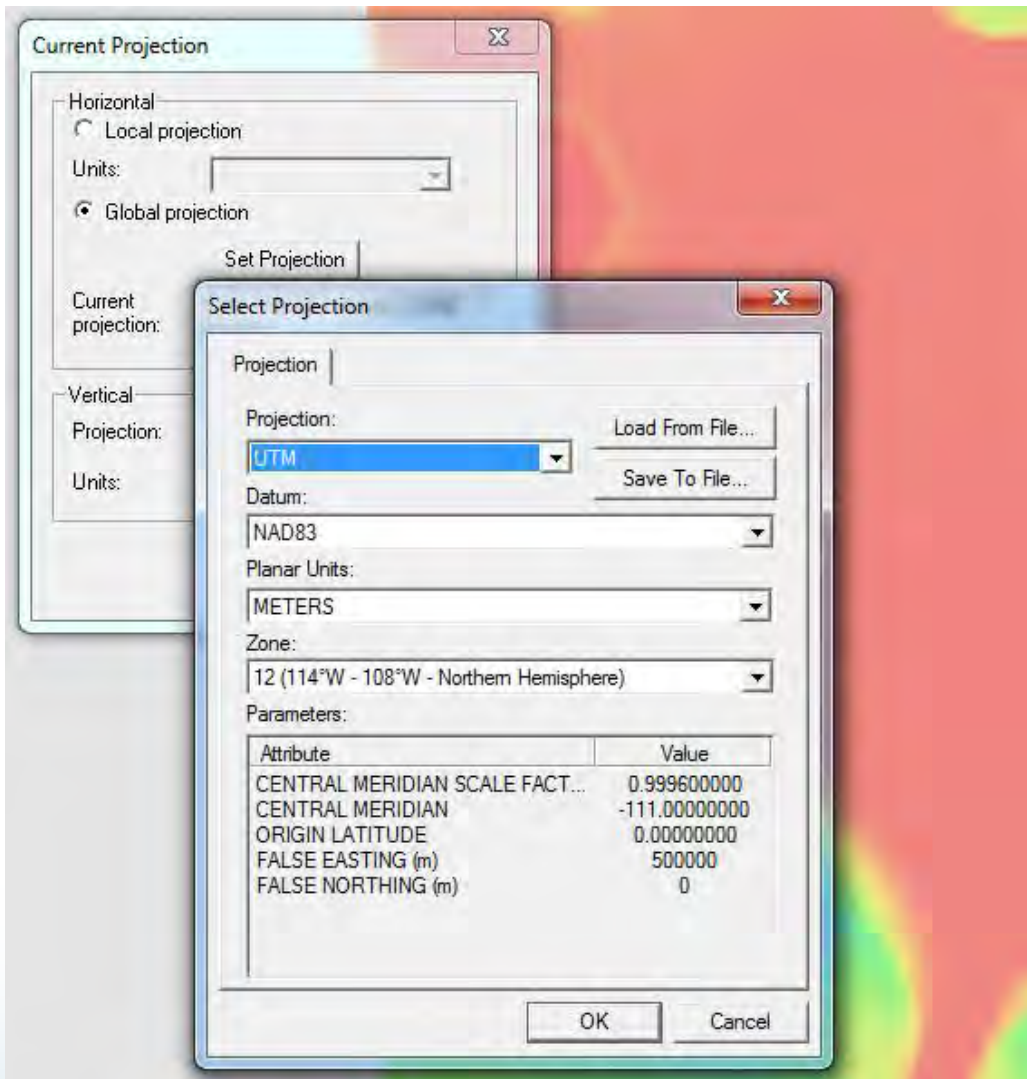


World UTM Zones





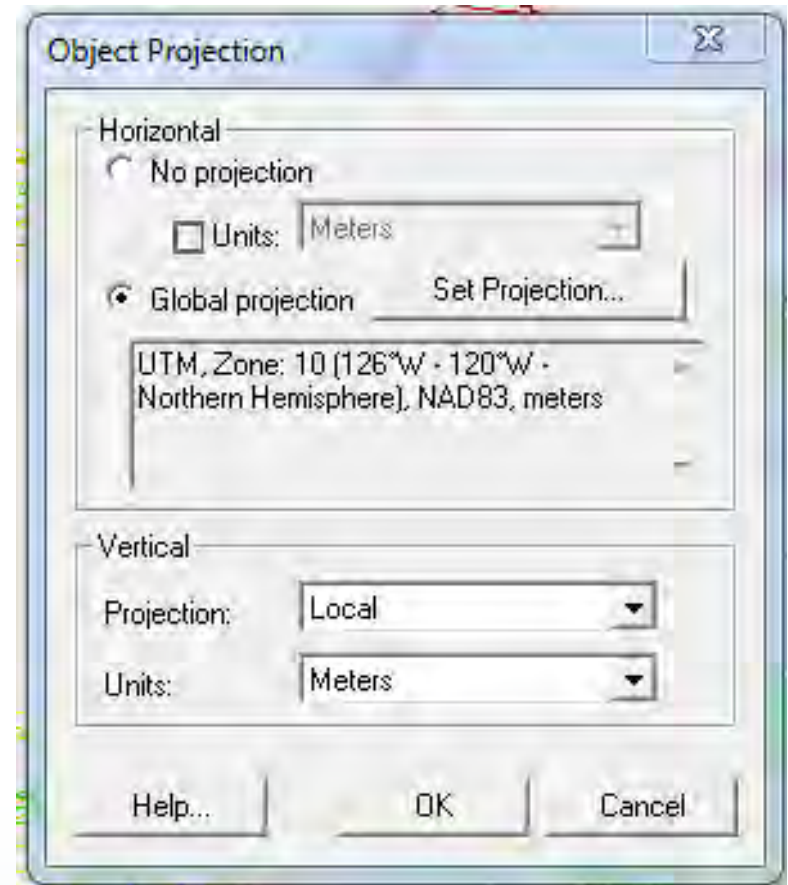
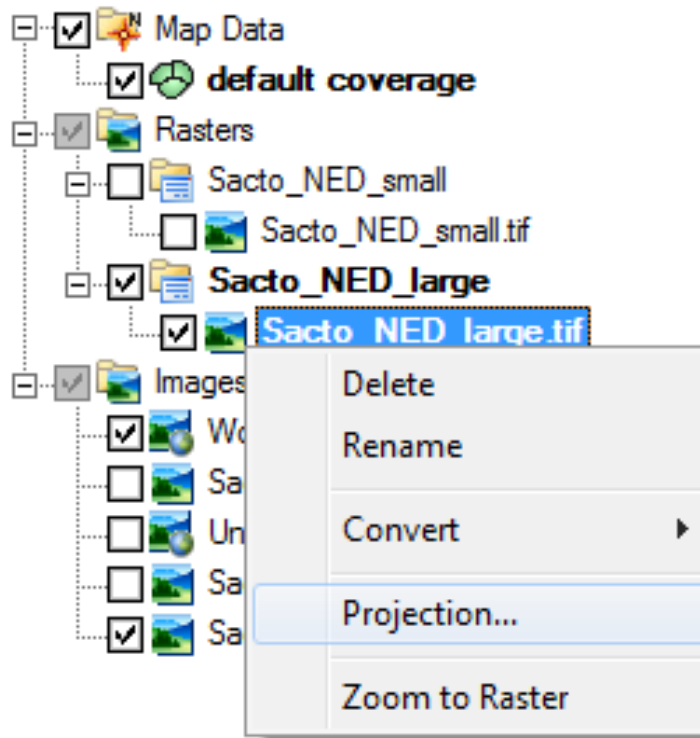
Anzeige Projektions



- Früh gesetzt
- Nach Bedarf ändern

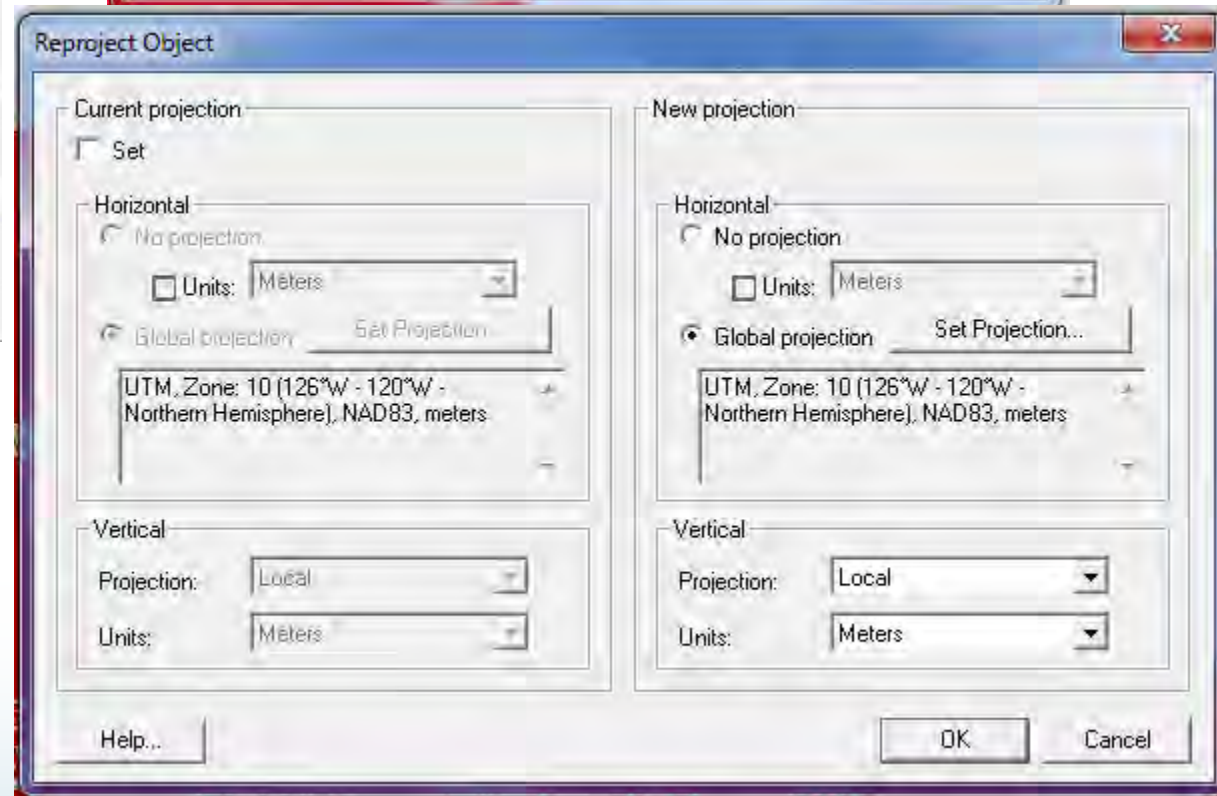
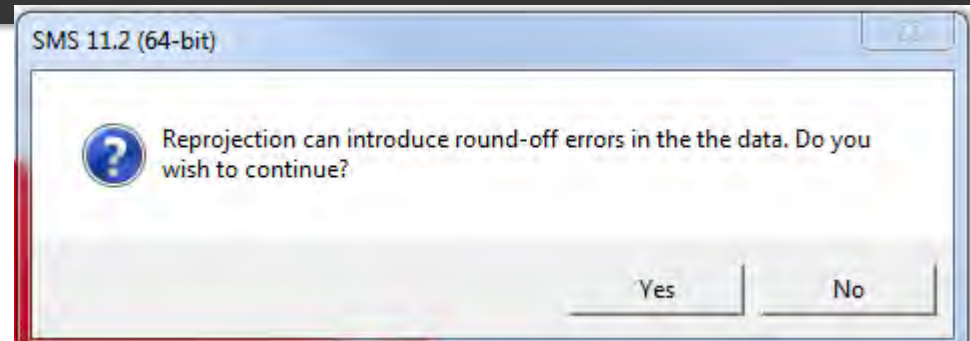
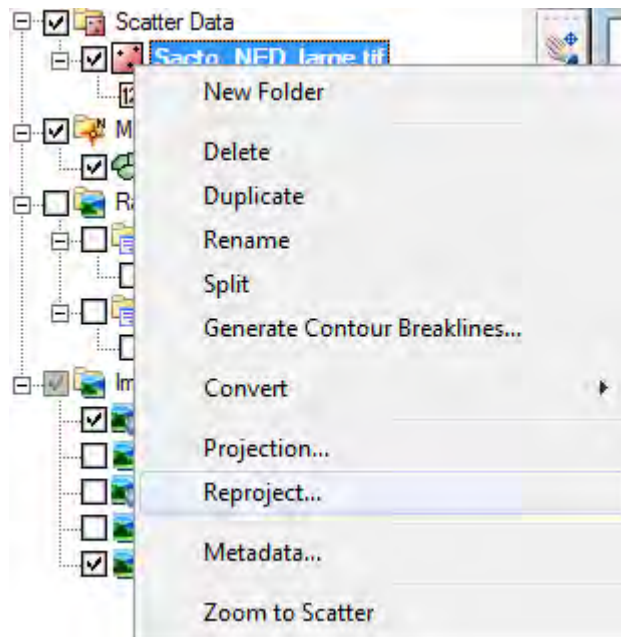


Object Projections





Reprojektion



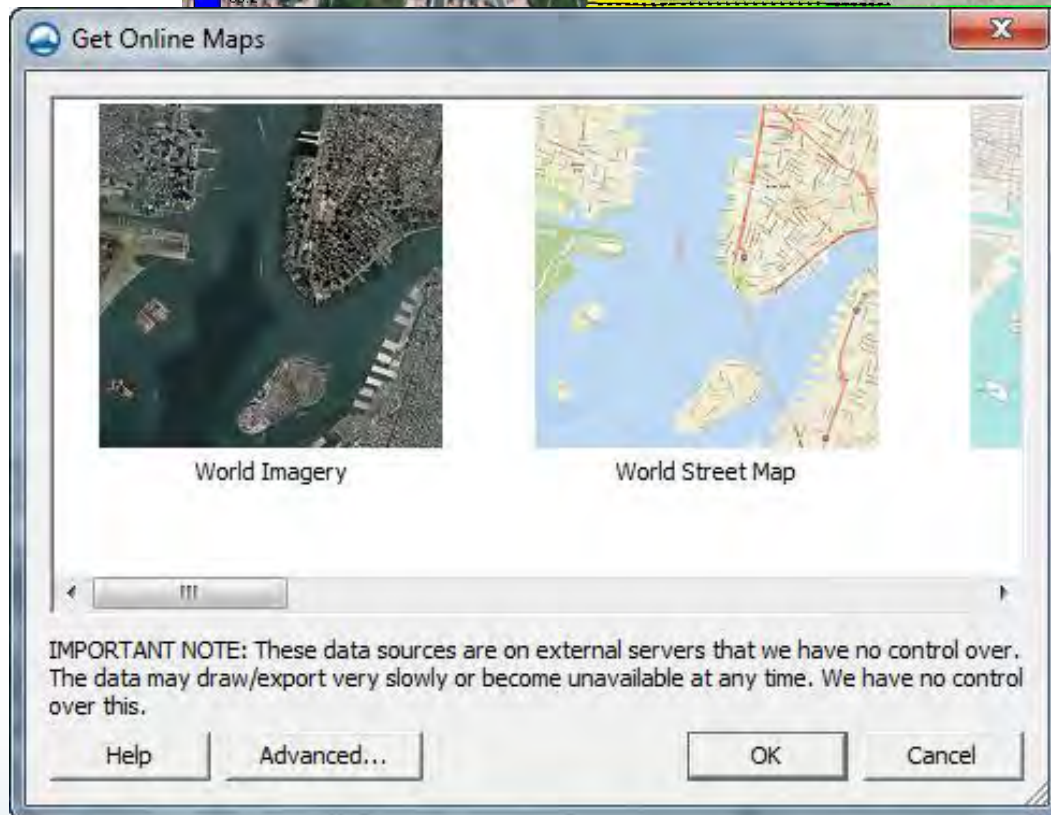
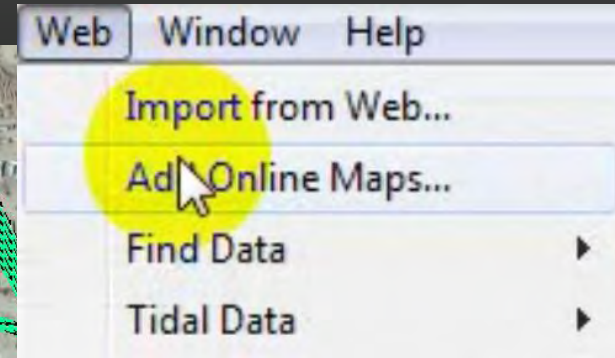


Dynamische Bilder

- Web-Services
- Zoom abhängige Auflösung
- Umstellung auf statisches Bild
- Umwandlung in Raster

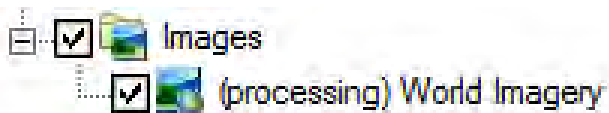
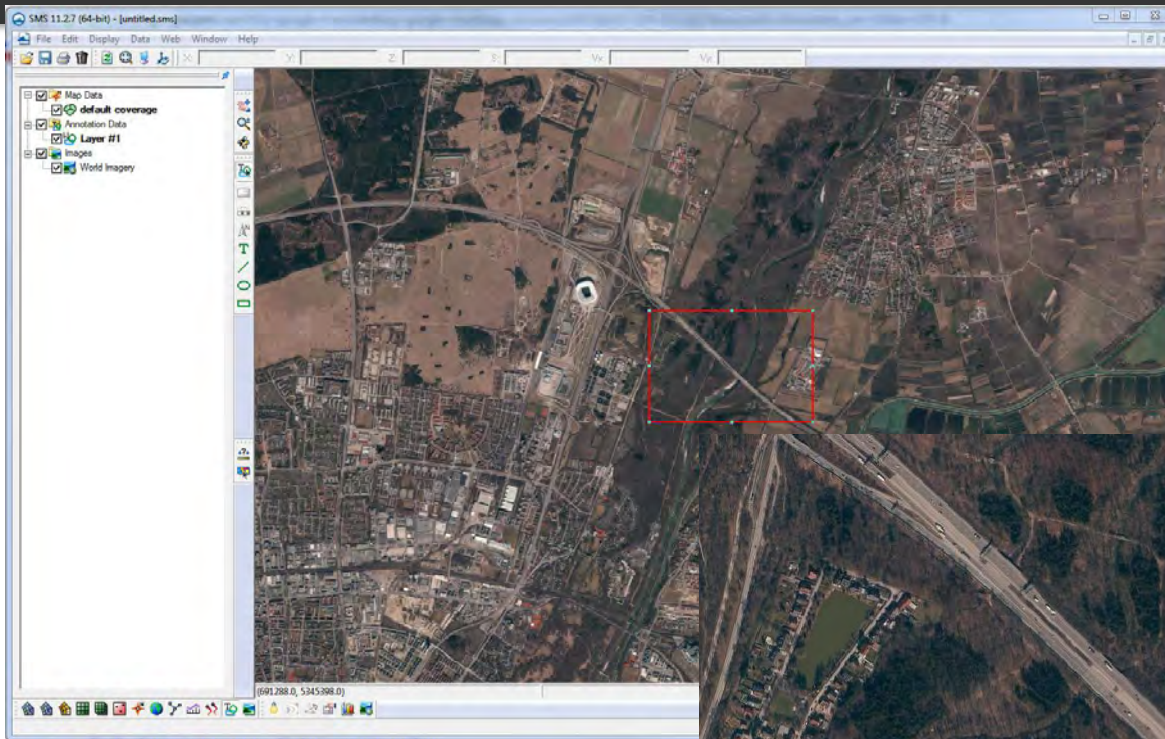


Web-Services



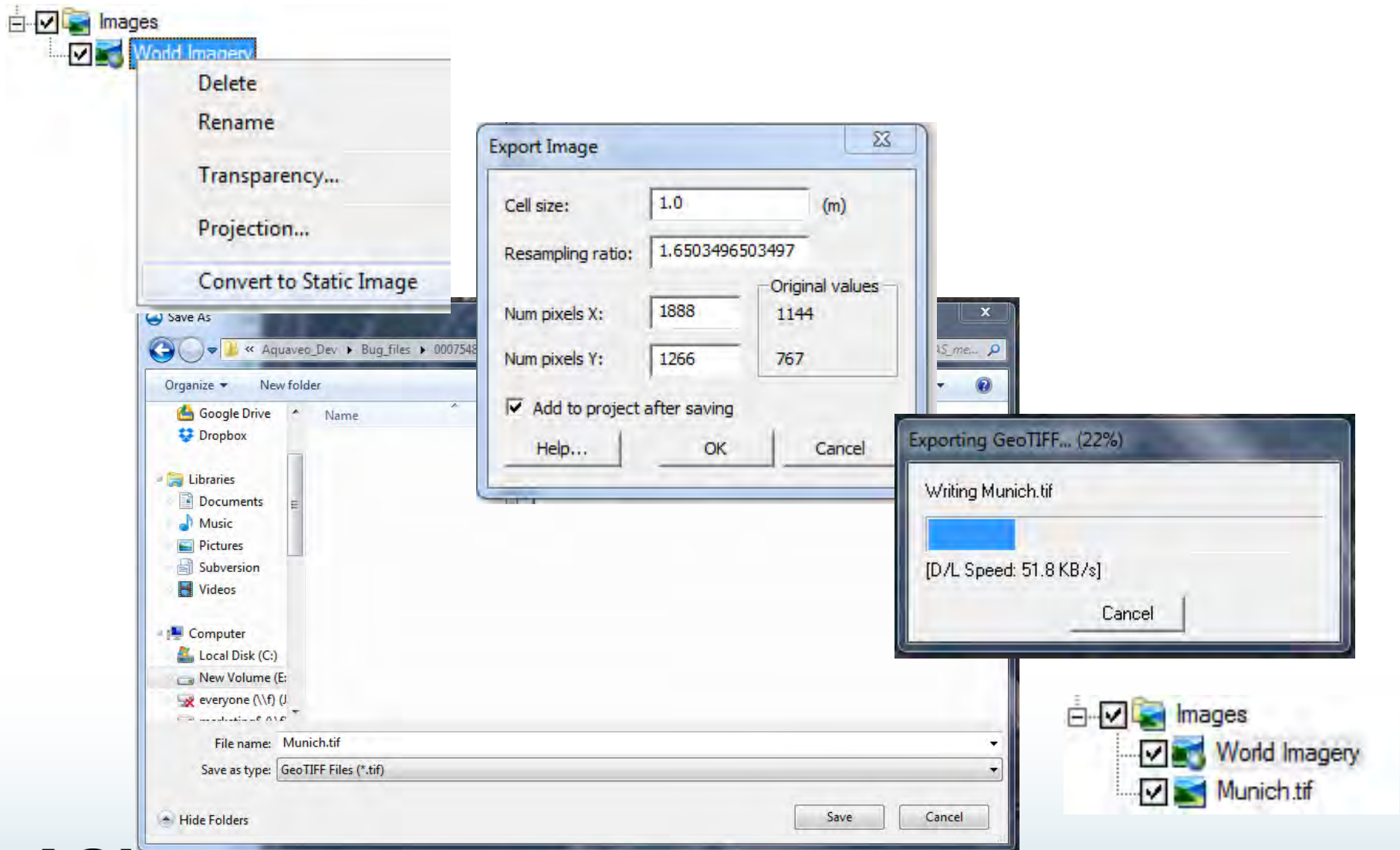


Zoom abhängige Auflösung



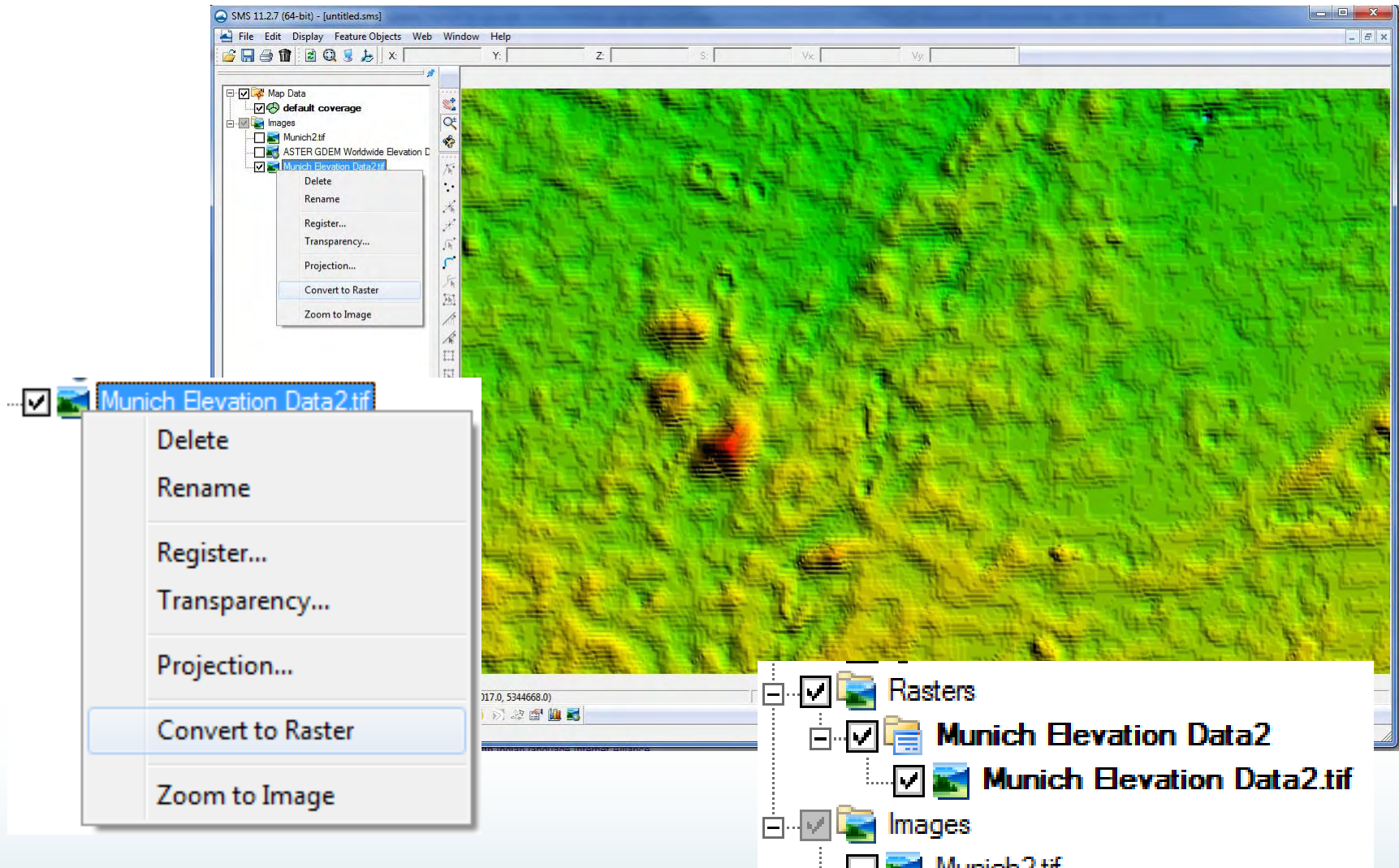


Umstellung auf statisches Bild





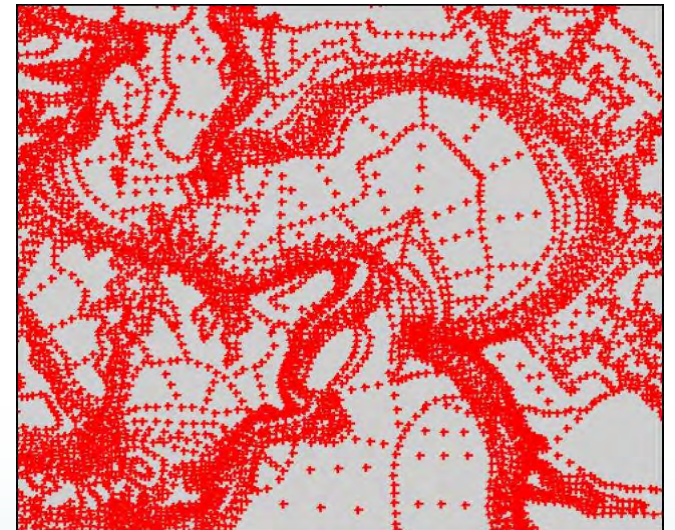
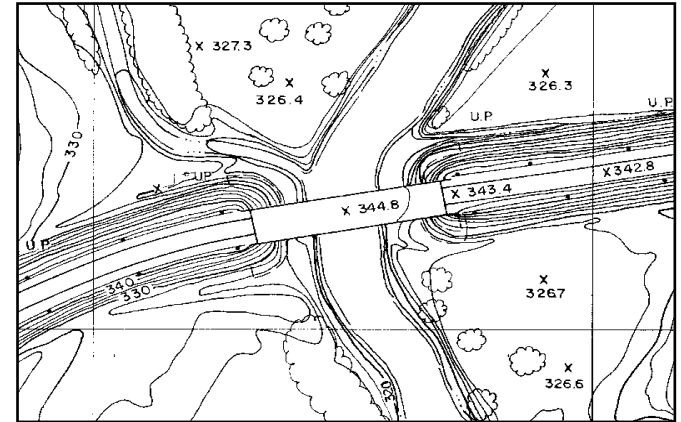
Umwandlung in Raster





Werkzeuge für den Datenimport

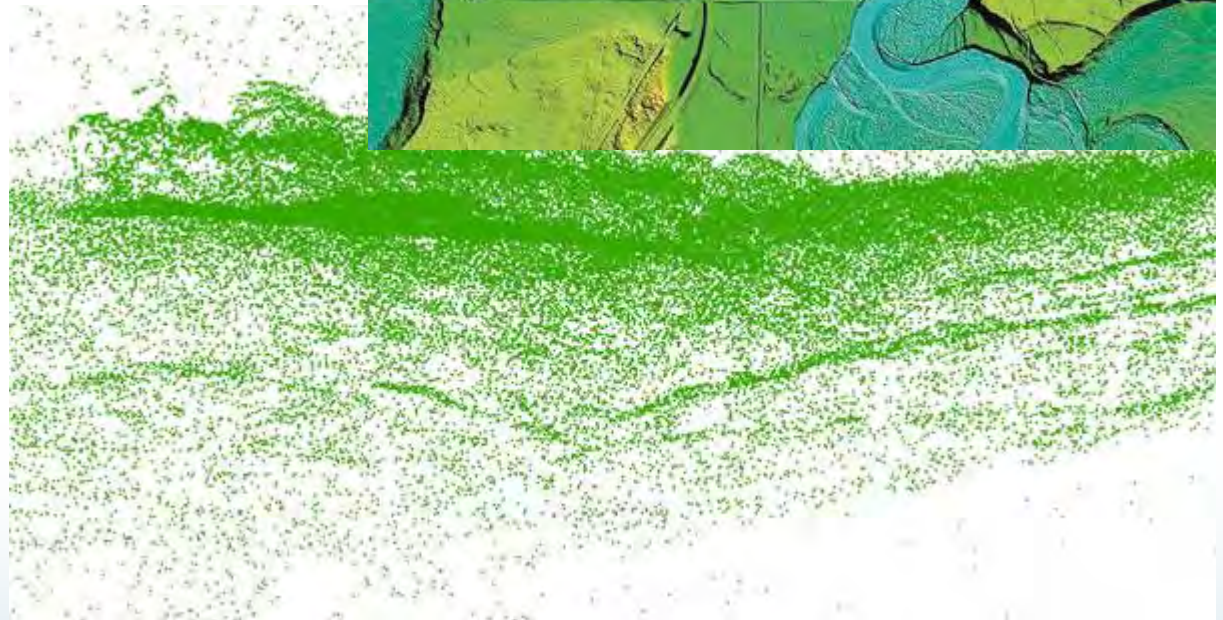
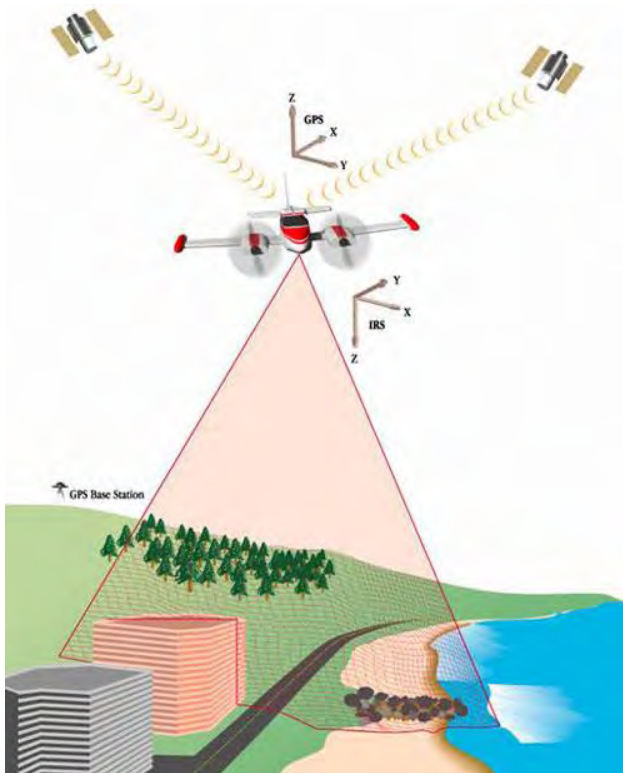
- LIDAR –Datendateien
- Raster (aus Bildern)
 - Interpolation Quelle
 - Landnutzung
- GIS
 - Attributzuordnung
 - Mesch im MIF / MID -Format





LIDAR –Datendateien

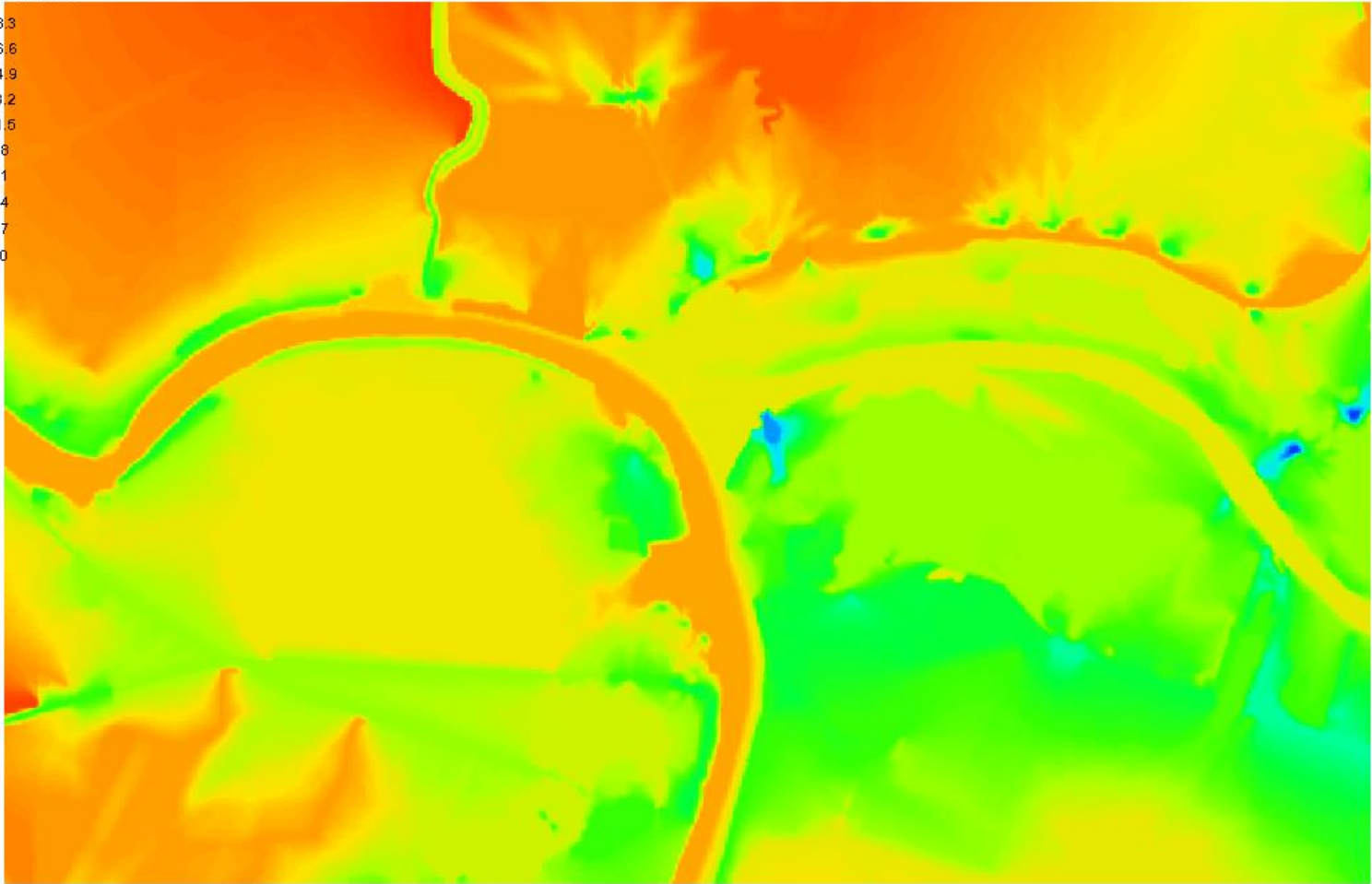
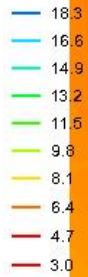
- Light Detection and Ranging





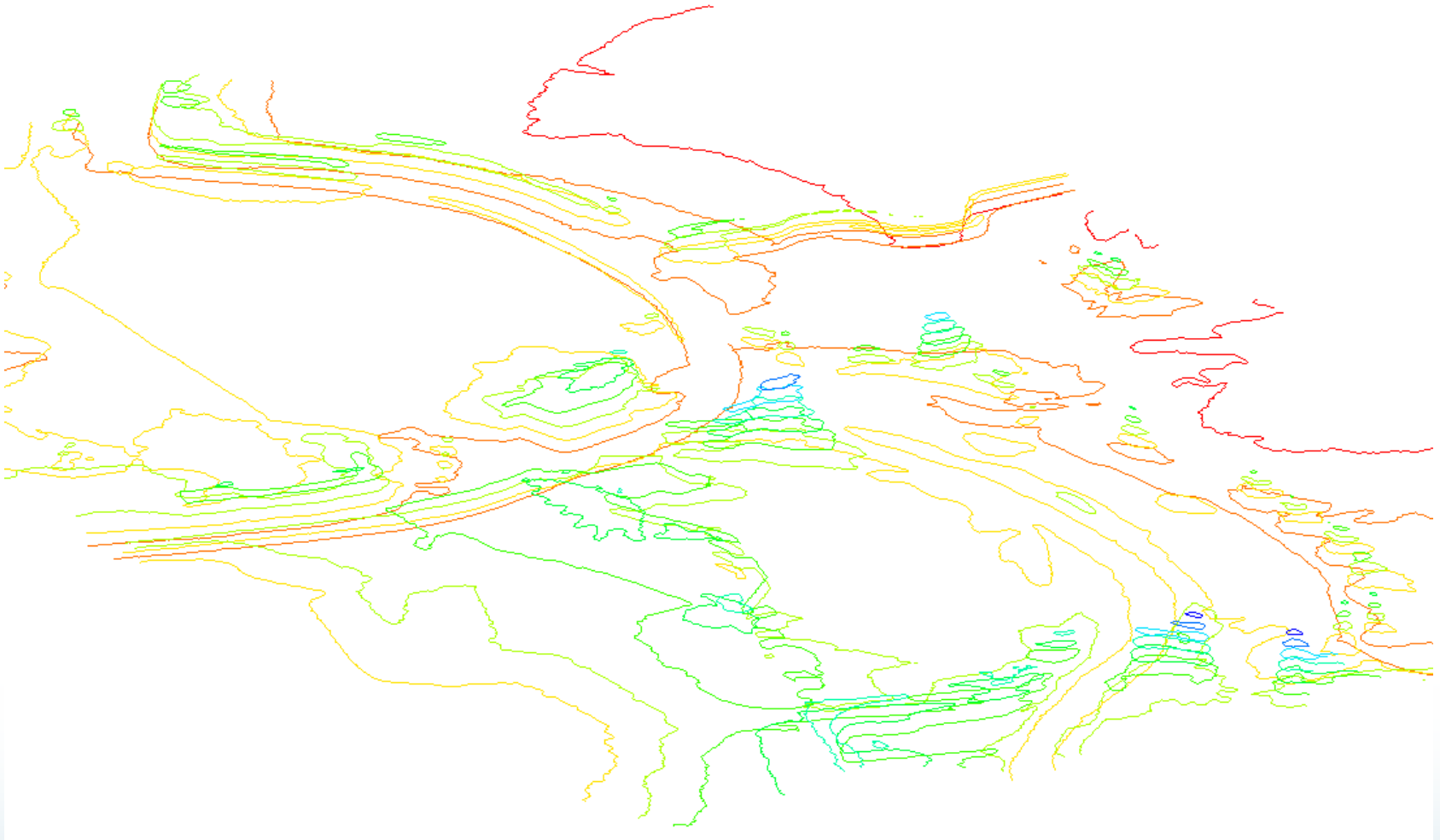
Raster

Raster Raster Set



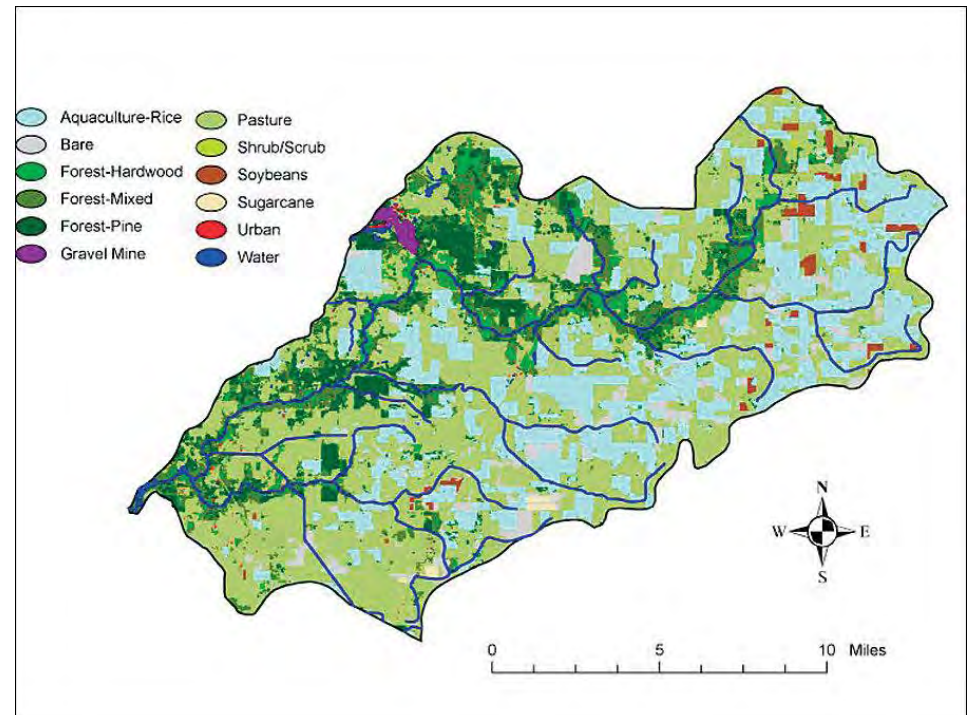
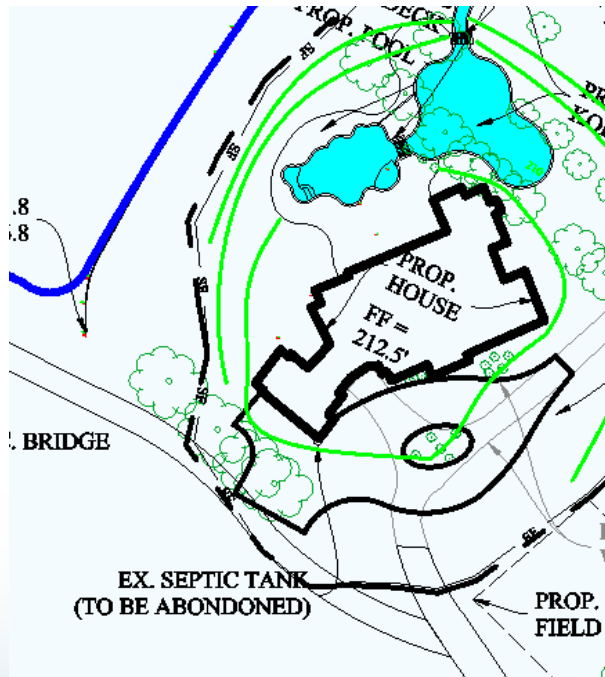


Raster Contours





GIS



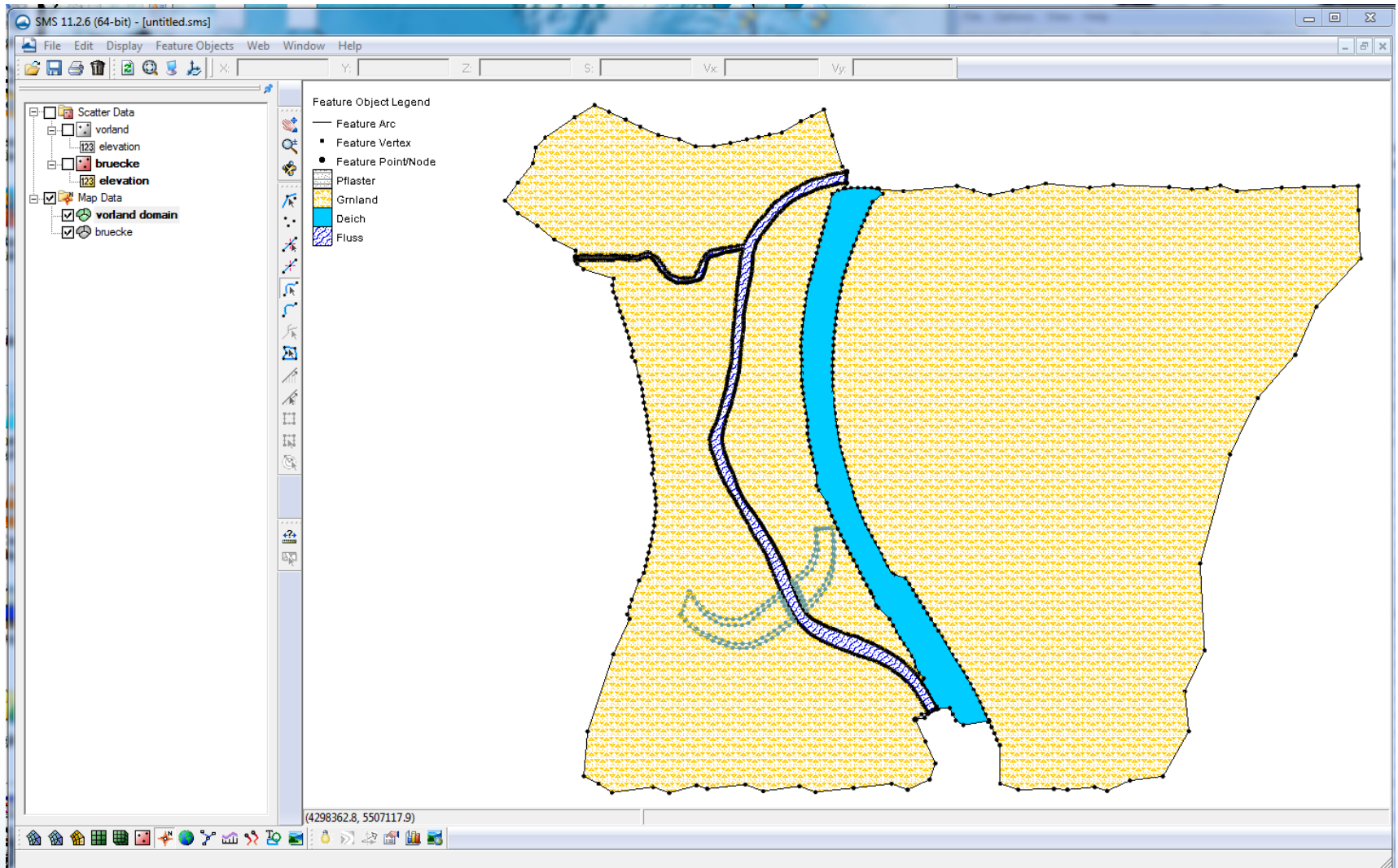


Konzeptionelle Modell

- In Map Module
- HYDRO_AS-2D attributes am arcs
- Um das Netz abgebildet

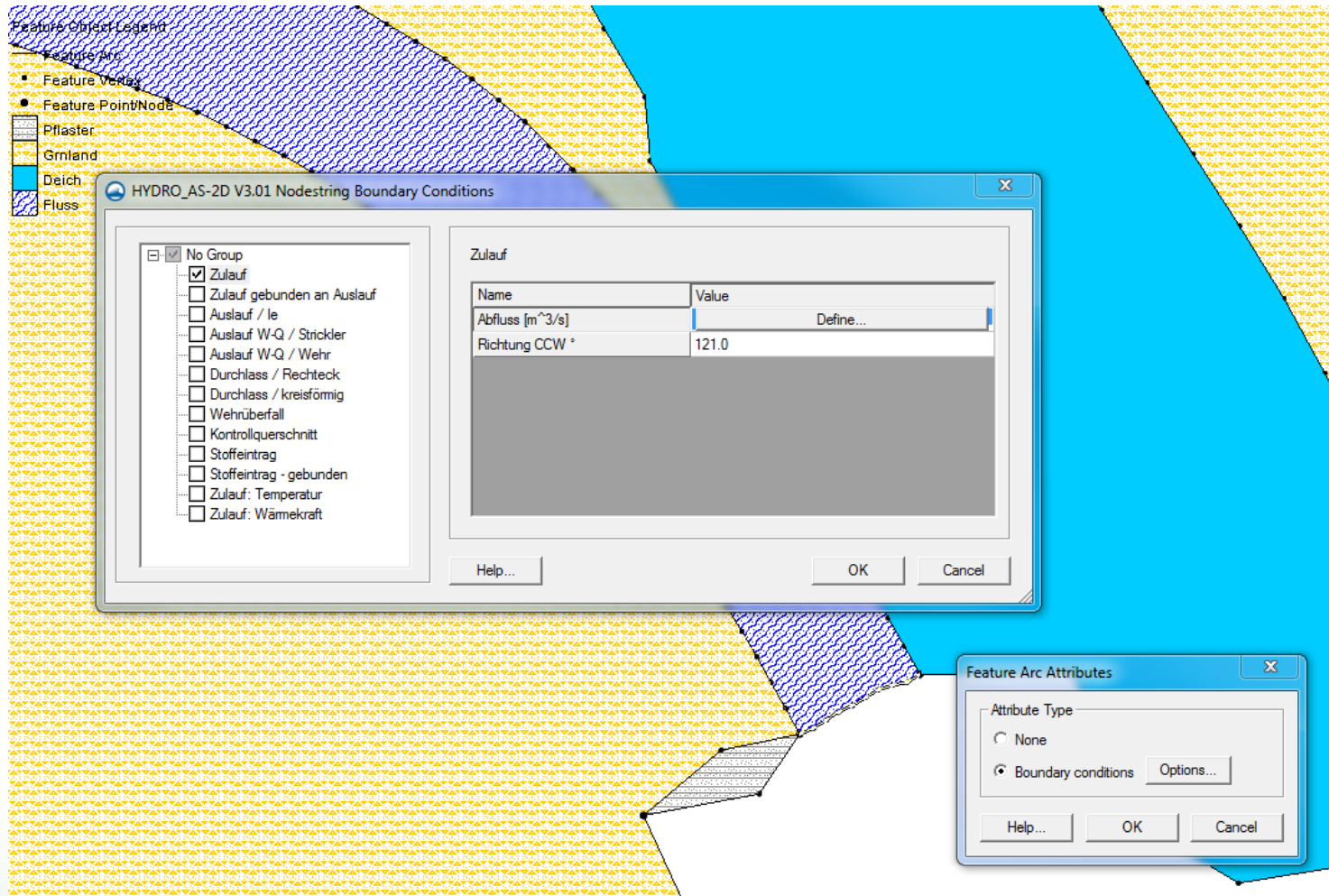


Konzeptionelle Modell - Materials





Konzeptionelle Modell - Attributes





Zukünftige Funktionen

- Dynamic Model Interface
 - Flexible Dateiformate
 - Mit Hydrotec Koordinierte
- Print Layout-Management
- Scripting
- Große Datenmanagement
 - LiDaR
 - DEM/DTM



Vielen Dank

- Fragen
- Vorschläge willkommen

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