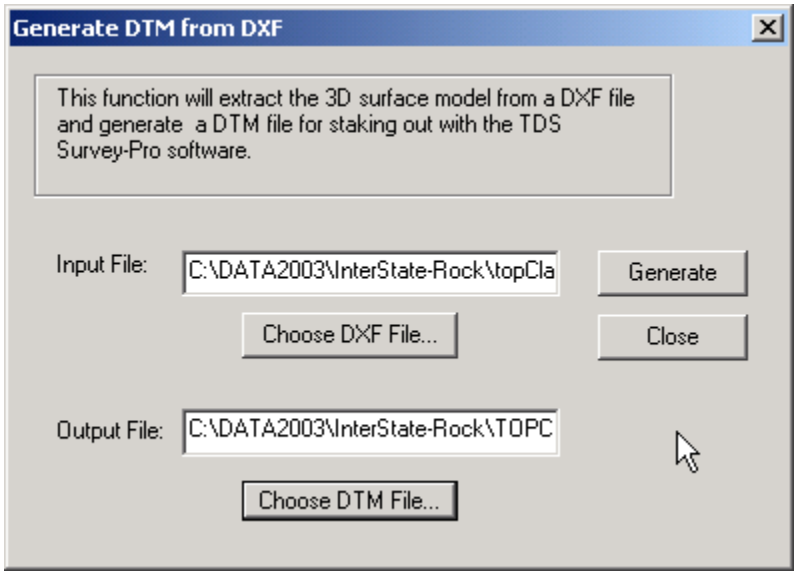
Z-Xtreme RTK
DTM Stakeout - Workflow with TDS Survey Pro CE
DXF to DTM file conversion using TDS Survey Link

Start | Programs | TDS Survey Works | Survey Link…

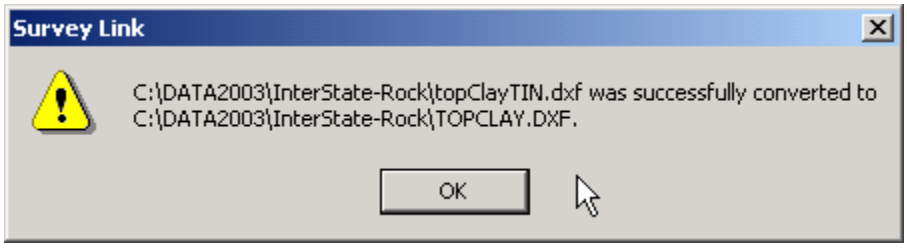
Survey Link | Conversions | Generate DTM form DXF…



<click> Choose DXF File... = **C:\DATA2003\InterState-Rock\TopclayTIN.dxf**

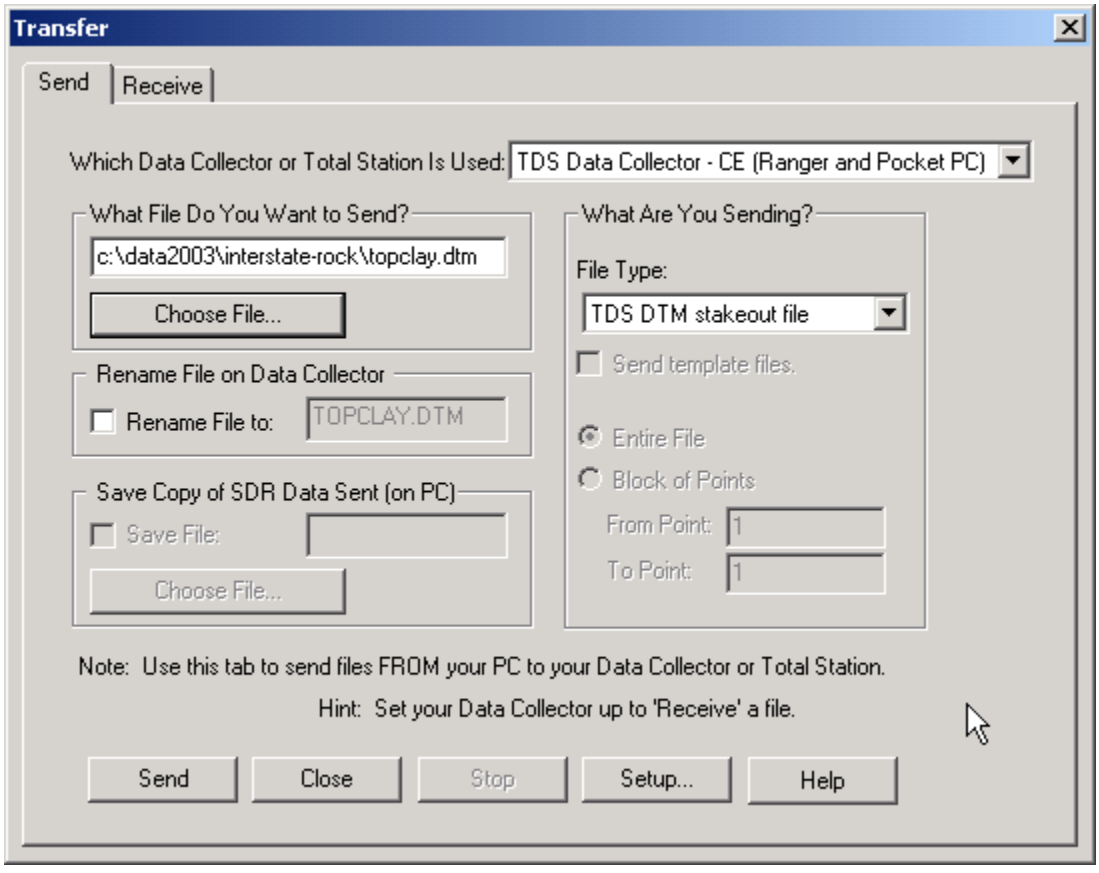
<click> Choose DTM File... = **C:\DATA2003\InterState-Rock\Topclay.dtm**

<Click> **Generate** button…



<Click> **OK…**
<Click> **Close** button…

Survey Link | Transfer | Send / Receive…

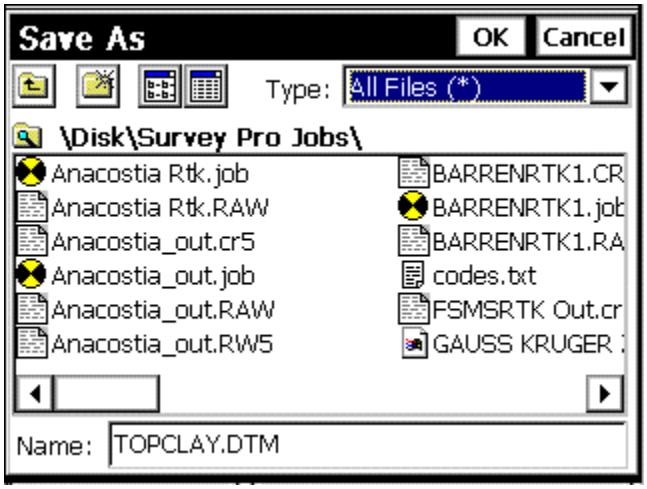


<click> Select **Send** button….

Ranger with TDS Survey Pro CE | [1] File | [F] Transfer

<tap> “Receive File”…

Ranger dialog: **Receiving a file…**



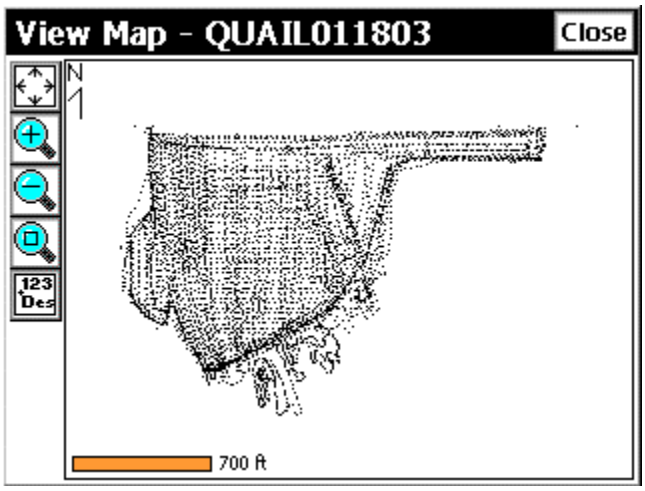
Survey Pro CE **Save As** menu, specify Type: All Files (*),
Name: **TOPCLAY.DTM**

<tap> **OK…**

At the project site - Setup RTK Base and Rover equipment with your typical field procedures….

Note: The coordinate system used to control the RTK and the design surface must be the same in order for the DTM stakeout feature to function properly. If the coordinates are different, the DTM stakeout feature cannot relate the two surfaces together.

RTK Rover with TDS Survey Pro CE
<tap> Map View icon…

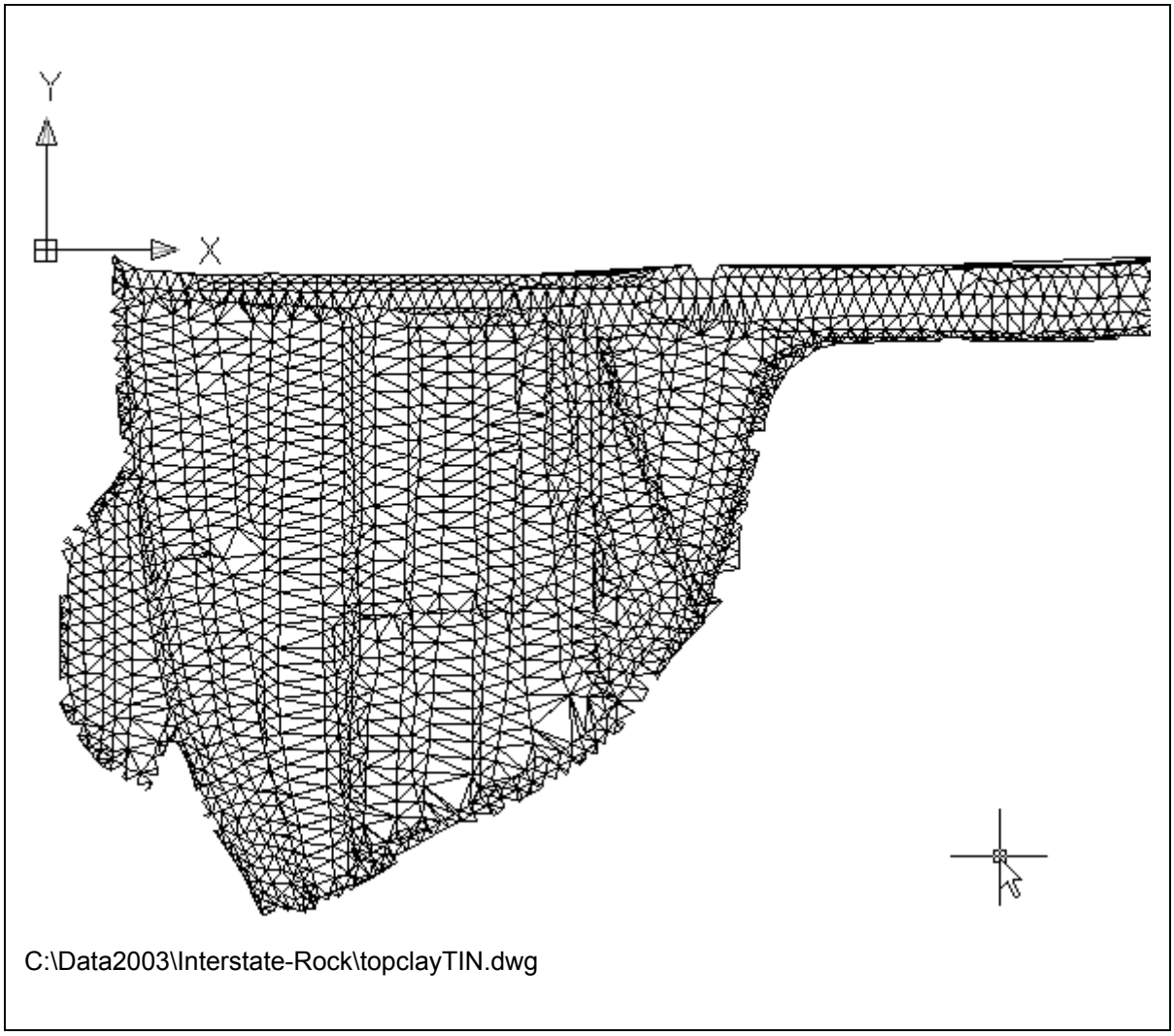


Screen capture from Ranger – View Map…

<tap> **Close…**

RTK Rover w/TDS Survey Pro CE | [4] Stakeout | [K] Stake DTM…

Navigate RTK Rover around on project site, Survey Pro CE's Stake DTM feature will indicate Cut / Fill data for all locations RTK Rover visits within the DTM stake-out area on the project.



Example of DTM Model