Exporting points from the TopCon FC-5000 and importing into Civil 3D Magnet Software V5.0 2018

These directions are used **AFTER** you have completed your survey and want to take the survey job off of the data collector to plot the points into Civil 3D

- Open up MAGNET on the data collector
- Goto JOB tab

| | M TEST2 New Job Copy Job | Open Job | Delete Job | Job Info | Job Photos | Save Job As | |
|------|--------------------------------|----------|---------------|----------|---------------|----------------|--|
| • Se | lect OPEN | I JOB | | | | | |

| Current Job: MUELB-AGWASTE Job Name CROTHERS EWING_309 ALBECKSUMMERS-PD SHAINES DMEULXX DMEULXX C:\Users\USDA\Documents\MAGN | Created: 08/29/2018 12:54 Modified: 08/29/2018 14:14 VET Field PC\Jobs |
|--|--|
| Browse Select the job you want to export from the compared of the compared o | rom |





| Enterprise History |
|--------------------|

| | | | passes and passes and the second s |
|---|--|--------------|---|
| onints of ints ines reas oreas ines treas taw Data ocalization icanning Data ocalization icanning Data ob History surfaces avgers Library Stake Reports Stake Reports Stake Reports Stake Reports mmGPS Settings | ASCII file properties Use quotes for text values Use type for attributes | Use filters | Topcon Text Custom (*.txt) Topcon Text Custom (*.txt) MAGNET XML (*.mxl) MAGNET XML (*.mxl) Topcon Text Custom (*.txt) Topcon Text Custom (*.txt) Topcon Text Custom (V.txt) Topcon FC-4 (*.fc4) Topcon GFC-4 (*.fc5) Topcon GFS-2 (*.fc5) Topcon GFS-6 (*.gts6) Topcon GFC-6 (*.fc7) Topcon GFS-7 (*.pnt) Topcon GF F-inland (*.gt) Topcon GT Finland (*.gt) Topcon GT MC (*.pt3) Next >> |
| • DATA | <points></points> | | |
| | | ONA (* +x+)> | |

| Type Tex | t Files (*.txt) sers\USDA\Documents\ | | 5 |
|----------|---|-----------------|---------|
| | | | |
| | | | 2008078 |
| Name | TEST | | |
| Name | TEST | Contraction and | |
| | | | |

| To Text Format | |
|--|--|
| Type Text Files (*.txt) | |
| E. C: (Local Disk) | |
| Name TEST | |
| Select the USB Drive | |
| Click Green Checkmark | |



| Text File Format |
|---|
| Delimiter |
| Space Ocomma Tabs Other |
| Header in first row |
| File Style |
| Name, N(Lat), E(Lon), Elev, Codes |
| Delete Edit Add |
| << Back Next >> |
| • Select <comma></comma> |
| Uncheck Header in first row |
| File Style <pnezd> Z=ELEV and D=CODES</pnezd> |
| Click NEXT |

| Projection | SPC83-Maryland | • |
|-------------|-----------------|----------|
| | Use Grid/Ground | |
| Datum | NAD83(2011) | - |
| Geoid Model | g2012au8 | . |
| Coord Type | Grid | - |
| | | |

| M | Units Format | | × × |
|--------|-----------------------------|---------|-----|
| | Plane coordinates precision | 0.000 | |
| | Elevation precision | 0.00 | |
| | | << Back | 200 |
| • Char | nge precision as needed | | |
| Click | Green Checkmark | | |

| | Export Status | | | |
|------------|-------------------------------|-----------------------------------|-------------------------|------|
| 1 | 16 points exported. | | | |
| | Export successfully finished. | | | |
| • If the e | export was done correct | close tly it will show you how | v many points were expo | rted |



| EWING | _309 | | ··· >>> ··· >>> | | |
|---------|-----------|----------|--------------------|-------|-----------|
| Job | Configure | Exchange | Chat | Edit | Calculate |
| 2 | 5 | ,∎ | | T | |
| Мар | Connect | Setup | Survey | Stake | Apps |
| ose MAG | NET | | | | |

| MAG | Exit now? | | | × |
|---------|-----------|-----|----|---|
| | | | | |
| | | | | |
| | | Yes | No | |
| • Click | YES | | | |





| | • A • * | | Coloritori Ciloro | | | |
|--|-----------------|--------|--|--------|---|--------------------|
| Parameter | Value | | File Name | Status | | ÷ |
| Default Layer Section Points Creation Offault Styles | | | | | | × |
| | | | | | | |
| | | | Look in: | | • | ws • Tooljs • |
| elect a command from the point crea | ation tools | 1. | A Name | ^ | Date modified Ty 10/17/2017 12:36 To | ype of Document |
| Open up Point | Creation Too | ls | Washing C-DD Hatay Hatay Documents | | | |
| Open ti | ne file that yo | u just | Favorten C | TEST | | > Qpen = |
| • • • • • | | | | | | |

| Selected Files: File Name Status ✓ S:\PUB\Office To Office\ Matches selected point file format | Select the PNEZD format (make sure that this is the same format that you exported in |
|---|---|
| Specify point file format (filtering ON): PENZD (comma delimited) PNE (comma delimited) PNEZ (comma delimited) | the data collector) |
| PNEZD (comma delimited) | File Style |
| Point Num Northing Easting Point Elev Raw Desc. 1 5000.0000 5000.0000 100.0000 HUB I 2 5000.0000 5634.4986 86,9293 IP+HS 3 5064.3062 4880.2395 106.4673 IP+HS | Name, N(Lat), E(Lon), Elev, Codes Delete Edit Add |
| Add Points to Point Group. | |
| | |
| Do elevation adjustment if possible | |
| Do coordinate transformation if possible Do coordinate data expansion if possible | |
| OK Cancel Help | |
| | |