



# FGS Surveyors

Equipment/Software (February 2020)

## Computers

- 1 Dell PowerVault DP500 Server
- 1 Dell PowerEdge R610 Server
- 7 Dell various desktop PC's
- 3 Dell 6000 Series Precision Mobile Laptop
- 5 Dell 7000 Series Precision Mobile Laptop
- 2 Alienware 17 R3 Precision Mobile Laptop

## Large Format Plotter/Scanner

- 2 KIP 880
- 1 KIP 3100

## Copiers, Fax Machines & Scanners

- 2 Océ Variolink 3622C

## Software

- 1 Windows 2016 Professional Server
- 15 Microsoft Office 365
- 15 Adobe Pro Creative Cloud
- 2 Adobe PhotoShop Creative Cloud
- 1 SurvaLync 101.1126
- 4 AutoDesk AutoCAD 2018i Civil 3D
- 2 Bentley Open Roads Designer
- 1 Bentley Context Capture
- 1 Bentley Descartes
- 5 Carlson Desktop
- 3 Hypack/Hysweep (latest version)
- 1 Chesapeake Sonar-Wiz (Side Scan Processing)
- 1 ArcGIS 10
- 2 Trimble Business Center
- 4 Tripod Data Systems Survey Link 7.3.0
- 2 Tripod Data Systems Foresight DXM

## Robotic Total Stations and Lasers

- 1 Leica TRCA 1103 Plus Robotic
- 1 Trimble VX Robotic
- 2 Trimble S5 Robotic
- 1 Trimble 5600 Robotic
- 1 Laser Tech Impulse 200 LR Laser w/1-4x Hakko Scope, MapStar Compass Module and GPS Antenna Mount
- 1 Riegl FG21-LR LaserTape Laser

## Conventional Total Stations

- 2 Topcon CT-3000 Series Reflectorless
- 2 Nikon DTM352 Reflectorless

## Digital Levels

- 1 Topcon DL-101 w/2 Topcon Invar Rods
- 1 Trimble DiNi03 w/2 Zeiss Invar Rods

## Automatic Levels

- 2 Topcon AT-F6
- 2 Topcon AT-G6
- 1 Lietz B2A

## Global Positioning Systems (GPS)

- 1 Trimble R8 (5800) Dual Frequency
- 1 Trimble R8-2 GNSS Model II Dual Frequency
- 1 Trimble 5700 Dual Frequency
- 7 Trimble R7 GNSS Dual Frequency
- 3 Trimble R10 GNSS Dual Frequency
- 2 Topcon GR-3 GNSS Dual Frequency
- 2 Topcon Hiper-II GNSS Dual Frequency
- 1 Trimble DSM232 Dual Frequency
- 2 Intuicom RTK Bridge
- 3 ADL/TDL 35-Watt RTK Radio
- 6 SECO Fixed Height Tripod (1.5, 1.8 or 2.0)
- 6 Protective, Hard Shell GPS Tripod Cases
- 4 SECO Range Pole w/Bipod (2.0m)
- 2 Pacific Crest Radio Antenna Extension Tripod
- 4 Lock Boxes

## Data Collectors

- 3 Trimble TSC2 w/Trimble Access
- 1 Trimble TSC2 w/Radio & Trimble Access
- 6 Trimble TSC3 w/Radio & Trimble Access
- 1 Trimble TSCE w/Radio & Surveyor Controller
- 2 Carlson Surveyor





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## Vehicles (all equipped with GPS Tracking)

- 5 2020 Chevy C2500HD Crew Cab 4WD (Leased)
- 1 2016 Chevy C2500HD Crew Cab 4WD (Diesel)
- 1 2016 GMC C2500HD Crew Cab 4WD
- 1 2016 GMC C1500 Crew Cab 4WD
- 1 2006 Chevy Suburban 4WD
- 1 2006 Ford F150 Extended Cab 4WD
- 1 2001 Ford F250 Super Duty Crew Cab 4WD
- 2 2019 Polaris Ranger 570
- 1 2016 Polaris Ranger 570
- 1 2012 Polaris Ranger
- 1 2016 Honda Rincon

## Amphibious Vehicles & Boats

- 1 25' GMN Aluminum Hull w/Cabin, Twin 150hp Yamaha's, 2 3500-watt Generac Generators, A/C
- 1 25' Parker Fiberglass Hull w/Cabin, Twin 150hp Yamaha's, 2 3500-watt Generac Generators, A/C, RayMarine C80 display w/ radar and GPS
- 1 12' MonArk Aluminum Hull w/25hp Yamaha Z-Boat Multibeam Equipped (Leased)

## Hydrographic Equipment

- 1 Edgetech 6205 MultiBeam/Side Scan Sonar
- 1 SBG Ekinox – D (Heading, Position, Heave, Pitch, Roll)
- 1 SBG Ekinox – A (Pitch, Roll)
- 1 Trimble SPS461 GPS w/heading
- 1 Trimble MPS865 RTK GPS w/heading
- Teledyne Odom Digibar Pro
- 1 TSS DMS3-05
- 1 Seatex MRU-H HPR Compensator
- 1 Starlink Nav Beacon
- 1 Odom Echotrac MkIII Echo Sounder
- 1 Odom Echotrac MkII Echo Sounder
- 1 Hydro I Range Azimuth System
- 2 In-SituTroll Model SP4000 (Electronic Pressure & Temperature Sensors)



## Scanning Equipment

- 1 Velodyne 16 (Puck) Scanner
- 1 Leica P40 Scanner (leased)
- 1 Faro Focus 3D (leased)



## Miscellaneous Surveying Equipment

- DJI Phantom 4 Pro Drone
- 10 Tripod (Various Makes and Models)
- 10 Tri-Brach (Various Makes and Models)
- 4 Triple Prism (Various Makes and Models)
- 4 Single Prism (Various Makes and Models)
- 4 12' Prism Poles (Various Makes and Models)
- 4 25' Mound City Fiberglass Level Rod
- 4 Schonstedt Magnetic Locater (Various Models)

## Digital Cameras

- 4 Ricoh 500SE-W w/GPS Module & GIS Software

## Field Communication

- 1 Iridium 9505 Satellite Phone
- 10 Kenwood Two-Way Radios

## Airport/FAA Radios

- 1 ICOM IC-A110 (Vehicle Mounted)
- 1 ICOM IC-A6 (Hand-Held)

