

Installation

The GeoFinder-Inspector application is distributed as a zip file.

The zip file must be “unzipped” to a directory of the user’s choice.

For example:

using the command line:

```
mkdir C:\geofinder-inspector
```

```
cd C:\geofinder-inspector
```

Similarly, using windows explorer:

from the C:\ drive, right click in the window and select new / folder

enter geofinder-inspector for the folder name

double click on the folder to open it

unzip the geofinder-inspector.zip to this location

Executing GeoFinder-Inspector

from the folder you created with the application in it:

C: \geofinder-inspector

double click on the geofinder-inspector.exe application

A command window will be displayed:

```
+-----+
| GeoFinder Inspector PD v1.2 (2026-07-31) |
+-----+

Available LAS files:
0. Quit
1. PRT-PS-CRC1.las
2. PRT-PS-CRC3.las
3. PRT-PS.las
4. PRT205-test.las

Select file (0 to quit): |
```

Type a number to select the file to process: for example, 4 and hit enter.

The application will prompt for a text input that will be added to the curve output file.

If no text is entered, the enter key is pressed, then the application terminates.

If text is entered, then the curves will be redrawn with the text displayed at top/middle/right.

Input File Description

The input files directory contains the LAS files for the user to choose from.

A new LAS file should be placed in this directory.

When the application is executed this file will appear in the list of files that can be selected.

Output File Description

Each run of the geofinder-inspector will produce a new directory in the output_files directory.

The directory is named for the current date and time: YYYYMMDD_HHMMSS

For example:

20260801_134634

In this example of the output directory, PRT-PS-CRC1 was the name of the input LAS file.

File	Description
PRT-PS-CRC1.csv	Processed CSV containing the repaired dataset, Rat@EPSI=1 curves, EPSI flags, and interpolation flag.
PRT-PS-CRC1.jpg	Graphical summary of the processed data.
PRT-PS-CRC1.las	Processed LAS file containing the repaired data and computed EPSI channels.
PRT-PS-CRC1.pdf	PDF version of the graphical summary.
PRT-PS-CRC1_annotated.jpg	Graphical summary with optional user annotation. Created only if an annotation is entered.
PRT-PS-CRC1_annotated.pdf	PDF version of the annotated graphical summary. Created only if an annotation is entered.
PRT-PS-CRC1_gap_report.pdf	Report detailing all detected missing-depth gaps, repaired intervals, and any unrepaired gaps.
PRT-PS-CRC1_with_gaps.csv	Original acquisition data showing the dataset before missing-depth repair. Useful for auditing and troubleshooting.

GeoFinder Inspector is proprietary software developed and copyrighted by Fortaleza Consulting LLC.

The software is licensed to NoHiddenPay LLC for business use under the terms of a separate licensing agreement.

All intellectual property rights remain with Fortaleza Consulting LLC unless otherwise agreed in writing.