

# Lakeland Update Process

## Lakeland Update Process

**Before proceeding, GeoPandas must be installed. Install as below:**

**1. Run in an elevated command prompt, this will install GeoPanda:**

```
pip install geopandas
```

**2. Run in an elevated command prompt, this will install of GeoPanda dependancies:**

```
pip install geopandas[all]
```

**3. Run in an elevated command prompt to verify installation:**




```
python -m geopandas show_versions
```

### GIS Contact Person

- **Thomas Kaufmann - 267.934.7070 - Tom.Kaufmann@lakelandgov.net**

The Lakeland updates will be sent to you via email. Request them from Thomas Kaufman.

Download the attached GDB Conversion zip folder and unzip it. Place only one at a time, a zip file from Lakeland into the root of GDB Conversion folder, and double click Run-Export.cmd

Name	Date modified	Type	Size
 Addresses100125.gdb.zip	10/3/2025 10:30 AM	Compressed (zipp...	17,914 KB
 ExportGDBtoSHP.bat	10/2/2025 4:31 PM	Windows Batch File	3 KB
 Run-Export.cmd	10/2/2025 4:11 PM	Windows Comma...	1 KB

Name	Date modified	Type	Size
ExportGDBtoSHP.bat	10/2/2025 4:31 PM	Windows Batch File	3 KB
Run-Export.cmd	10/2/2025 4:11 PM	Windows Comma...	1 KB
Breakpoint100125.gdb.zip	10/3/2025 10:30 AM	Compressed (zipp...	32,015 KB

```
C:\WINDOWS\system32\cmd. x + v
E:\Scripts\GDB Conversion>setlocal ENABLEEXTENSIONS ENABLEDELAYEDEXPANSION
E:\Scripts\GDB Conversion>echo.
E:\Scripts\GDB Conversion>echo Starting export script... (log will be written)
Starting export script... (log will be written)
E:\Scripts\GDB Conversion>pause
Press any key to continue . . . |
```

```
C:\WINDOWS\system32\cmd. x + v
E:\Scripts\GDB Conversion>REM ---- Export ALL layers from the zipped GDB straight to SHP ----
E:\Scripts\GDB Conversion>ogr2ogr -f "ESRI Shapefile" "E:\Scripts\GDB Conversion\Addresses100125_SHP" "/vsizip/E:\Sc
ripts\GDB Conversion\Addresses100125.gdb.zip/Addresses100125.gdb" -skipfailures -lco ENCODING=UTF-8 -nlt PROMOTE_TO_MU
LTI -progress 1>>"C:\Users\Justi\AppData\Local\Temp\ExportGDBtoSHP.log" 2>&1
E:\Scripts\GDB Conversion>if errorlevel 1 (
echo [ERROR] Export failed. See log: C:\Users\Justi\AppData\Local\Temp\ExportGDBtoSHP.log
echo Press any key to exit...
pause 1>nul & popd & exit /b 1
)
E:\Scripts\GDB Conversion>echo.
E:\Scripts\GDB Conversion>echo [DONE] Shapefiles are in: "E:\Scripts\GDB Conversion\Addresses100125_SHP"
[DONE] Shapefiles are in: "E:\Scripts\GDB Conversion\Addresses100125_SHP"
E:\Scripts\GDB Conversion>echo Log: C:\Users\Justi\AppData\Local\Temp\ExportGDBtoSHP.log
Log: C:\Users\Justi\AppData\Local\Temp\ExportGDBtoSHP.log
E:\Scripts\GDB Conversion>echo.
E:\Scripts\GDB Conversion>echo Press any key to close...
Press any key to close...
E:\Scripts\GDB Conversion>pause 1>nul
```

Once you have downloaded the Lakeland GIS data, download the attached "Import to PostGIS.zip" file, and then unzip it. Unzip and copy the Brevard GIS folder and place it at the root of the Import to PostGIS folder, and then double click the "Run\_Import.bat".

Name	Date modified	Type	Size
logs	10/2/2025 9:09 AM	File folder	
import_to_postgis.ps1	10/1/2025 3:06 PM	Windows PowerS...	10 KB
Run-Import.bat	9/18/2025 1:20 PM	Windows Batch File	2 KB
October 2025 Breakpoint Update	10/2/2025 9:17 AM	File folder	

You will then be prompted for the target schema. In this case, type in "brevard" -

```
C:\WINDOWS\system32\cmd. x + v
The system cannot find the path specified.
Found psql at:
C:\Program Files\PostgreSQL\17\bin\psql.exe
psql (PostgreSQL) 17.6
Target schema (press Enter for 'public'): brevard
```

This will start the upload process to our GIS PostGIS server. This may take upwards of an hour.

```
C:\WINDOWS\system32\cmd. x + v - □ x
The system cannot find the path specified.
Found psql at:
C:\Program Files\PostgreSQL\17\bin\psql.exe
psql (PostgreSQL) 17.6
Target schema (press Enter for 'public'): brevard
Found 24 dataset(s) in E:\Scripts\Import to PostGIS
-> Importing [county_liftstation] from [E:\Scripts\Import to PostGIS\October 2025 Breakpoint Update\county_liftstation.shp] into [brevard.county_liftstation] (overwrite) ...
0...10...20...30...40...50...60...70...80...90...100 - done.
Warning 1: User lacks super user privilege to be able to create event trigger ogr_system_tables_event_trigger_for_metadata
Done: brevard.county_liftstation
ERROR: syntax error at or near "BEGIN"
LINE 2: BEGIN
        ^
ERROR: syntax error at or near "BEGIN"
LINE 2: BEGIN
        ^
ANALYZE
-> Importing [fmvalve] from [E:\Scripts\Import to PostGIS\October 2025 Breakpoint Update\fmvalve.shp] into [brevard.fmvalve] (overwrite) ...
0...10...20...30
```

After this is complete, open the OUC project file in BP Maps repo, open up the Lizmap plugin and click apply. The map update is complete.

---

Revision #2

Created 3 October 2025 14:33:09 by Justin Stroud

Updated 14 November 2025 12:53:59 by Justin Stroud