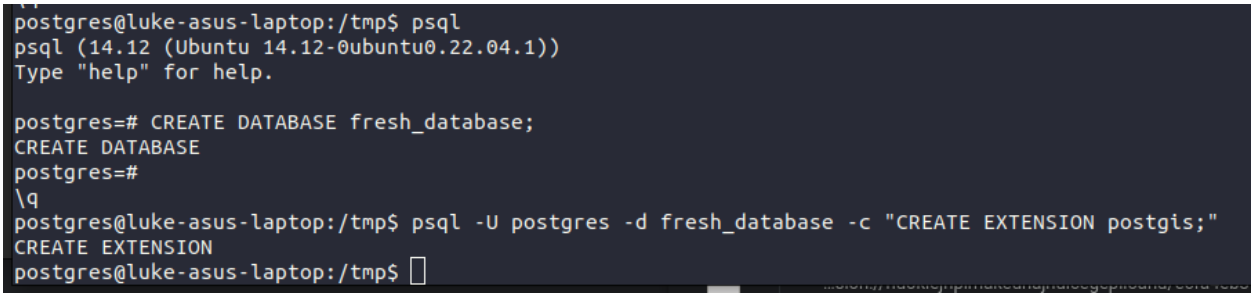
Postgres WA Geochemistry Database Restoration via PSQL

Restore on a clean database

1. Make a fresh database to test the restore with, ensure postgis is enabled

postgres=# ***CREATE DATABASE fresh_database;***
CREATE DATABASE
postgres=#
\q
postgres@xxx:/tmp$ ***psql -U postgres -d fresh_database -c "CREATE EXTENSION postgis;"***



2. Run the command to restore the database, setting the backup file name accordingly:

postgres@xxx:/tmp$ psql -d fresh_database -U postgres -f "GSWA_MmmYYYY_Backup.sql"

```
postgres@luke-asus-laptop:/tmp$ psql -d fresh_database -U postgres -f "GSWA_November2023_Backup.sql"
SET
SET
SET
SET
SET
 set_config
------------

(1 row)

SET
SET
SET
SET
psql:GSWA_November2023_Backup.sql:23: ERROR:  schema "public" already exists
ALTER SCHEMA
COMMENT
SET
SET
CREATE TABLE
ALTER TABLE
CREATE SEQUENCE
ALTER TABLE
ALTER SEQUENCE
CREATE TABLE
ALTER TABLE
CREATE SEQUENCE
ALTER TABLE
ALTER SEQUENCE
CREATE TABLE
ALTER TABLE
CREATE SEQUENCE
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ALTER SEQUENCE
CREATE TABLE
ALTER TABLE
```
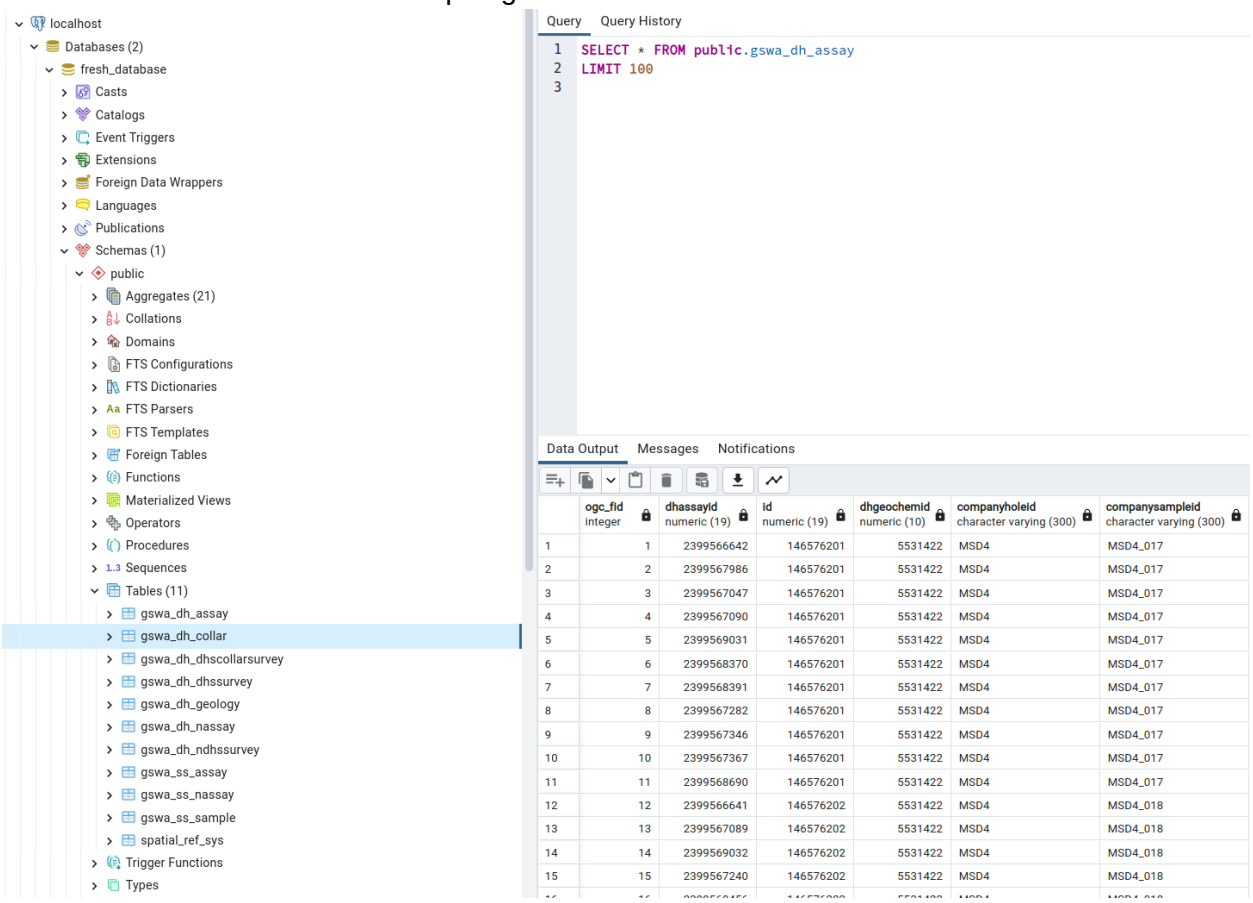

The table data starts to come into postgres after the COPY commands:



Notes

The example above relates to the full Postgres database backup. The same instructions apply for a restore of the ‘Full Flat Pivot’ dataset too, changing the database and file names as required.

The command “CREATE SCHEMA public;” will error if public schema already exists - as seen in the screenshot of the restore. This schema is created by default when you make a database. The execution as seen in the screenshot continues regardless of the error and results in a fully formed database.