BMP Database Structure

BMP database structure

```
              List of relations
 Schema |       Name        | Type  |  Owner
--------+-------------------+-------+----------
 public | assumptions       | table | postgres
 public | geography_columns | view  | postgres
 public | geometry_columns  | view  | postgres
 public | huc8              | table | postgres
 public | practices         | table | postgres
 public | spatial_ref_sys   | table | postgres
 public | states            | table | postgres
(7 rows)
```

Tables

huc8

```
gltg_bmp=# \d huc8
                          Table "public.huc8"
  Column   |            Type              | Collation | Nullable | Default
-----------+------------------------------+-----------+----------+---------
 huc8      | text                         |           |          |
 name      | text                         |           |          |
 areaacres | double precision             |           |          |
 states    | json                         |           |          |
 geometry  | geometry(MultiPolygon,4326) |           |          |
Indexes:
    "idx_huc8_geometry" gist (geometry)
    "ix_huc8_huc8" btree (huc8)
```

Practices

```
gltg_bmp=# \d practices
                          Table "public.practices"
             Column              |       Type       | Collation | Nullable | Default
---------------------------------+------------------+-----------+----------+---------
 id                              | bigint           |           |          |
 huc_8                           | text             |           |          |
 huc_12                          | text             |           |          |
 state                           | text             |           |          |
 county_code                     | text             |           |          |
 county                          | text             |           |          |
 nrcs_practice_code              | text             |           |          |
 practice_name                   | text             |           |          |
 program                         | text             |           |          |
 fund_code                       | text             |           |          |
 applied_amount                  | double precision |           |          |
 practice_units                  | text             |           |          |
 applied_date                    | bigint           |           |          |
 funding                         | double precision |           |          |
 sunset                          | bigint           |           |          |
 active_year                     | double precision |           |          |
 category                        | text             |           |          |
 wq_benefits                     | text             |           |          |
 area_treated                    | double precision |           |          |
 ancillary_benefits              | json             |           |          |
 p_reduction_fraction            | double precision |           |          |
 n_reduction_fraction            | double precision |           |          |
 p_reduction_percentage_statewide | double precision |           |          |
 n_reduction_percentage_statewide | double precision |           |          |
 p_reduction_gom_lbs             | double precision |           |          |
 n_reduction_gom_lbs             | double precision |           |          |
Indexes:
    "ix_practices_id" btree (id)
```

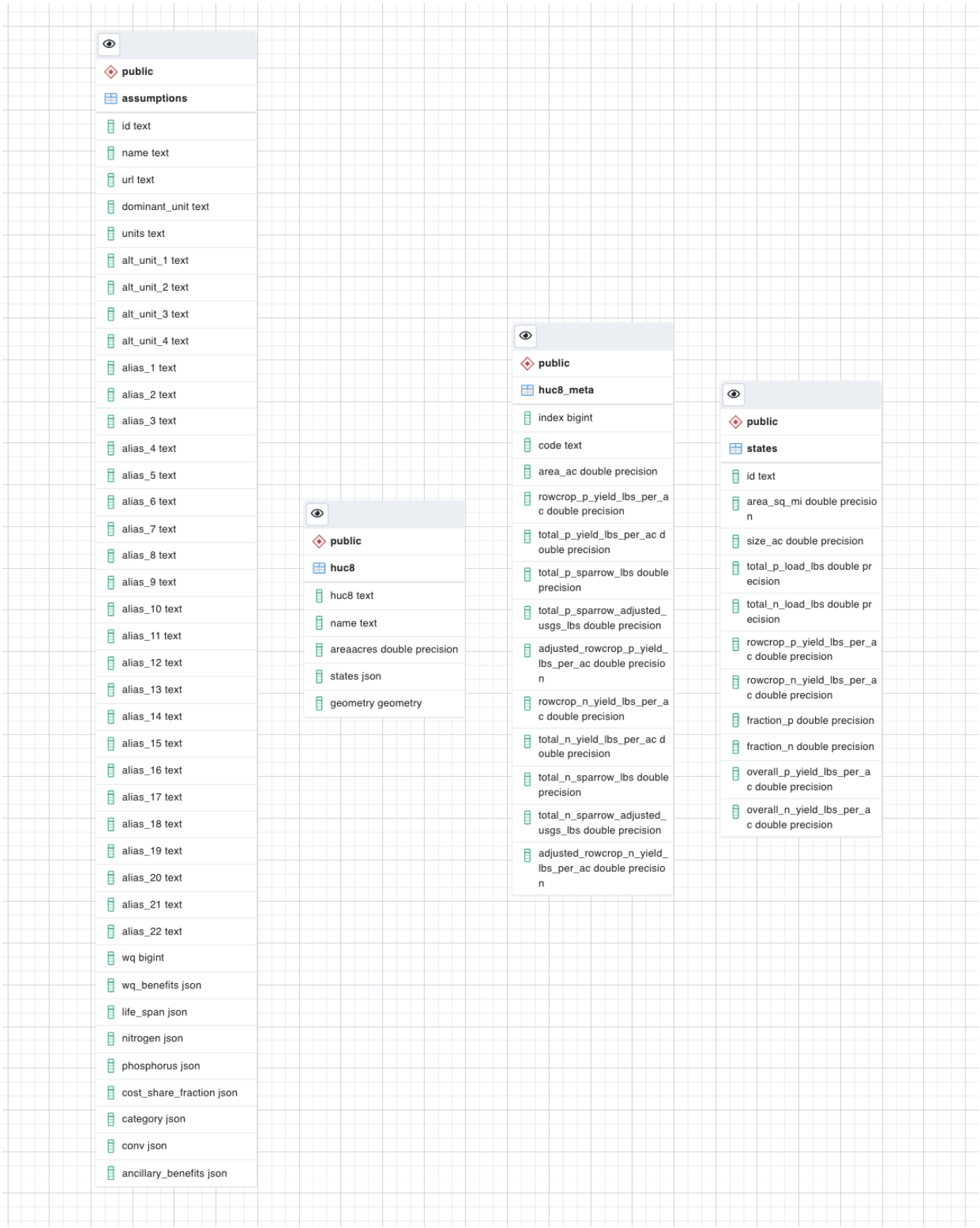
States

```
gltg_bmp=# \d states
                          Table "public.states"
           Column            |       Type       | Collation | Nullable | Default
-----------------------------+------------------+-----------+----------+---------
 id                          | text             |           |          |
 area_sq_mi                  | double precision |           |          |
 size_ac                     | double precision |           |          |
 total_p_load_lbs            | double precision |           |          |
 total_n_load_lbs            | double precision |           |          |
 rowcrop_p_yield_lbs_per_ac  | double precision |           |          |
 rowcrop_n_yield_lbs_per_ac  | double precision |           |          |
 fraction_p                  | double precision |           |          |
 fraction_n                  | double precision |           |          |
 overall_p_yield_lbs_per_ac  | double precision |           |          |
 overall_n_yield_lbs_per_ac  | double precision |           |          |
Indexes:
    "ix_states_id" btree (id)
```

Assumptions

```
gltg_bmp=# \d assumptions
                Table "public.assumptions"
       Column        |  Type   | Collation | Nullable | Default
---------------------+---------+-----------+----------+---------
 id                  | text    |           |          |
 name                | text    |           |          |
 url                 | text    |           |          |
 dominant_unit       | text    |           |          |
 units               | text    |           |          |
 alt_unit_1          | text    |           |          |
 alt_unit_2          | text    |           |          |
 alt_unit_3          | text    |           |          |
 alt_unit_4          | text    |           |          |
 alias_1             | text    |           |          |
 alias_2             | text    |           |          |
 alias_3             | text    |           |          |
 alias_4             | text    |           |          |
 alias_5             | text    |           |          |
 alias_6             | text    |           |          |
 alias_7             | text    |           |          |
 alias_8             | text    |           |          |
 alias_9             | text    |           |          |
 alias_10            | text    |           |          |
 alias_11            | text    |           |          |
 alias_12            | text    |           |          |
 alias_13            | text    |           |          |
 alias_14            | text    |           |          |
 alias_15            | text    |           |          |
 alias_16            | text    |           |          |
 alias_17            | text    |           |          |
 alias_18            | text    |           |          |
 alias_19            | text    |           |          |
 alias_20            | text    |           |          |
 alias_21            | text    |           |          |
 alias_22            | text    |           |          |
 wq                  | bigint  |           |          |
 wq_benefits         | json    |           |          |
 life_span           | json    |           |          |
 nitrogen            | json    |           |          |
 phosphorus          | json    |           |          |
 cost_share_fraction | json    |           |          |
 category            | json    |           |          |
 conv                | json    |           |          |
 ancillary_benefits  | json    |           |          |
Indexes:
    "ix_assumptions_id" btree (id)
```

ERD Diagram


public
assumptions
id text
name text
url text
dominant_unit text
units text
alt_unit_1 text
alt_unit_2 text
alt_unit_3 text
alt_unit_4 text
alias_1 text
alias_2 text
alias_3 text
alias_4 text
alias_5 text
alias_6 text
alias_7 text
alias_8 text
alias_9 text
alias_10 text
alias_11 text
alias_12 text
alias_13 text
alias_14 text
alias_15 text
alias_16 text
alias_17 text
alias_18 text
alias_19 text
alias_20 text
alias_21 text
alias_22 text
wq bigint
wq_benefits json
life_span json
nitrogen json
phosphorus json
cost_share_fraction json
category json
conv json
ancillary_benefits json
public
huc8
huc8 text
name text
areaacres double precision
states json
geometry geometry
public
huc8_meta
index bigint
code text
area_ac double precision
rowcrop_p_yield_lbs_per_ac double precision
total_p_yield_lbs_per_ac double precision
total_p_sparrow_lbs double precision
total_p_sparrow_adjusted_usgs_lbs double precision
adjusted_rowcrop_p_yield_lbs_per_ac double precision
rowcrop_n_yield_lbs_per_ac double precision
total_n_yield_lbs_per_ac double precision
total_n_sparrow_lbs double precision
total_n_sparrow_adjusted_usgs_lbs double precision
adjusted_rowcrop_n_yield_lbs_per_ac double precision
public
states
id text
area_sq_mi double precision
size_ac double precision
total_p_load_lbs double precision
total_n_load_lbs double precision
rowcrop_p_yield_lbs_per_ac double precision
rowcrop_n_yield_lbs_per_ac double precision
fraction_p double precision
fraction_n double precision
overall_p_yield_lbs_per_ac double precision
overall_n_yield_lbs_per_ac double precision