

Rich Internet Biodiversity Atlas (RIBA)

Data Schema

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VERSION HISTORY

Version	Description of changes	Date	Prepared by:
1.0	Document Creation	7 September 2010	Jess
1.1	Data Update	15 Nov 2010	Jess

Note that 'GIS' column is not included for all tables because it is automatically added by PostGreSQL.

MUST HAVE: CIRCLE

This is just a table to hold buffer points to draw buffer(s) for spatial search. If this table is missing, spatial search will not work.

Name:	Circle	
Type:	MULTIPOLYGON	
Projection:	Singapore Grid, Kertau 1948 (West Malaysia, Singapore)	
Database:	NParks_DB	
SRID:	24500	
Data Schema	centroidlatlong	Text
	target	Text
	the_point	Geometry (point type)
	the_polygon	Geometry (polygon type)
	the_multipoint	Geometry (multipoint type)
	the_multipolygon	Geometry (multipolygon type)

DATA 1: VGCODE1995

Name:	vgcode1995	
Type:	MULTIPOLYGON	
Projection:	Singapore Grid, Kertau 1948 (West Malaysia, Singapore)	
Database:	NParks_DB	
SRID:	24500	
Data Schema	vgcode_id (primary key)	Text
	SGPRC1_	Integer (32-bit)
	SGPRC1_ID	Integer (32-bit)
	VGCODE	Integer (32-bit)
	latitude	-
	longitude	-
	X	Floating point (double)
	Y	Floating point (double)
	area_m2	Floating point (double)
	length_m	Floating point (double)
the_geom	Geometry	

DATA 2: SIG_PLANTS

Name:	sig_plants	
Type:	POINT	
Projection:	Singapore Grid, Kertau 1948 (West Malaysia, Singapore)	
Database:	NParks_DB	
SRID:	4326	
Data Schema	sig_plants_id (primary key)	Text
	description	Text
	status	Text
	latitude	-

	longitude	-
	X	Floating point (double)
	Y	Floating point (double)
	the_geom	Geometry

DATA 3: SEAGRASS_LOCATIONS_SINGAPORE

Name:	seagrass_locations_singapore	
Type:	POINT	
Projection:	Singapore Grid, Kertau 1948 (West Malaysia, Singapore)	
Database:	NParks_DB	
SRID:	4326	
Data Schema:	seagrass_id (primary key)	Text
	site_name	Text
	site_id	Integer
	no_spp	Integer
	survey	Integer
	latitude	-
	longitude	-
	X	Floating point (double)
	Y	Floating point (double)
	the_geom	Geometry

DATA 4: NATURE_AREAS_SG_2003

Name:	nature_areas_sg_2003	
Type:	MULTIPOLYGON	
Projection:	Singapore Grid, Kertau 1948 (West Malaysia, Singapore)	
Database:	NParks_DB	
SRID:	24500	
Data Schema:	nature_areas_id (primary key)	Text
	site_name	Text
	site_id	Integer
	latitude	-
	longitude	-
	X	Floating point (double)
	Y	Floating point (double)
	area_m2	Floating point (double)
	length_m	Floating point (double)
	the_geom	Geometry

DATA 5: BIOD_RICH_AREAS

Name:	biod_rich_areas	
Type:	MULTIPOLYGON	
Projection:	Singapore Grid, Kertau 1948 (West Malaysia, Singapore)	
Database:	NParks_DB	
SRID:	24500	
Data Schema:	biod_id (primary key)	Text
	site_name	Text

	site_id	Integer
	latitude	-
	longitude	-
	X	Floating point (double)
	Y	Floating point (double)
	area_m2	Floating point (double)
	length_m	Floating point (double)
	the_geom	Geometry

DATA 6: SG_ZONES

Name:	sg_zones	
Type:	MULTIPOLYGON	
Projection:	Singapore Grid, Kertau 1948 (West Malaysia, Singapore)	
Database:	NParks_DB	
SRID:	24500	
Data Schema:	sg_zones_id (primary key)	Text
	zone_name	Text
	subzone_name	Text
	latitude	-
	longitude	-
	X	Floating point (double)
	Y	Floating point (double)
	area_m2	Floating point (double)
	length_m	Floating point (double)
	the_geom	Geometry

DATA 7: PARKS

Name:	parks	
Type:	POINT	
Projection:	Singapore Grid, Kertau 1948 (West Malaysia, Singapore)	
Database:	NParks_DB	
SRID:	4326	
Data Schema:	parks_id (primary key)	Text
	park_name	Text
	park_area (mocked)	Text
	animal_population (mocked)	Integer
	plant_population (mocked)	Integer
	latitude	-
	longitude	-
	X	Floating point (double)
	Y	Floating point (double)
	area_m2	Floating point (double)
	length_m	Floating point (double)
	the_geom	Geometry