

Export

Database Tables to KML Schema Tags

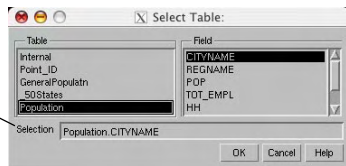
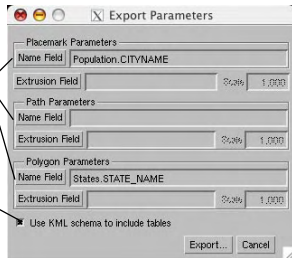
The TNTmips Export process converts the attributes attached to the elements in internal geometric objects (vector or CAD) or in linked formats (SHAPEFILE, DXF, DGN, DWG, TAB) in the Keyhole Markup Language (KML) file into schema tags. These are an extended Placemark element in the KML code used to add database fields. Once a single attribute table associated with each type of element is selected for the objects' points, lines, and/or polygons, you can create a KML schema tag for the selected attribute table to view the whole content of the selected table in the **Google Earth Pro**. You can also use Google Earth Pro's database table tools for selecting elements using attributes, sorting fields according to values, hiding row/columns, etc.

The features associated with the KML schema tags can be used only when the KML file is opened in **Google Earth Pro**.

Click on any of these buttons to select a field from an attribute table using the Select Table dialogue below.

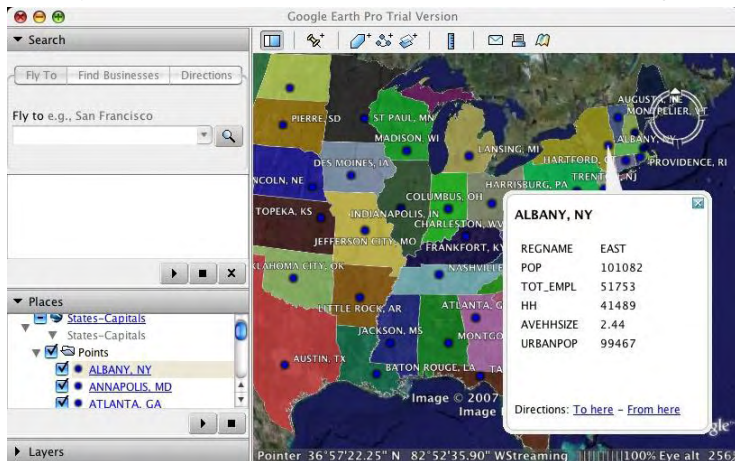
Toggle on this button to create KML schema tag to include the database tables selected.

The CITYNAME field from the Population database table is selected for point elements (placemarks).



The Export Parameters window provides separate panels to select a Name Field from a database table for the geometric objects' points, lines, and /or polygons. When you click on the Name Field button on any panel, the database tables associated with that element type are listed along with the fields they contain. When you specify the Name Field, each element in the KML file is named with its associated record from that field and also keeps the records from the other fields of the selected table. Toggling on the *Use KML schema to include tables* button lets you view the selected database table in Google Earth Pro including its fields and records. If the object has a relational table attribute structure you can use computed fields or the other database management tools in your TNT product to prepare the appropriate flat attribute table before using export. You can find more information on exporting to KML format in the Tech Guide entitled *Export: Geometric Objects to KML*.

When the KML file created from a geometric object is displayed in the Google Earth, the object name shows up under the Temporary Places folder on the Places panel of Google Earth along with the elements listed with the value of the table.field you selected during the export process. Although you can view the records from other fields for each element, Google Earth does not allow you to view the whole content of the table but Google Earth Pro does.



The illustration to the left shows the point elements listed on the Places panel with the value of the Population.CITYNAME field selected during the Export process. Clicking on the field value of any point element, displays the records from all fields of Population table for the associated element.

Point Database table viewed in TNTmips.

CITYNAME	REGNAME	POP	TOT_EMPL	HH	AVEHHSIZE	URBANPOP
ALBANY, NY	EAST	101082	51753	41489	2.44	99467
ANNAPOLIS, MD	SOUTH	33187	18961	12239	2.71	31433
ATLANTA, GA	SOUTH	394017	189532	157036	2.51	389485
AUGUSTA, ME	EAST	21325	10351	8648	2.47	18053
AUSTIN, TX	SOUTH	465622	249622	189731	2.45	443342
BATON ROUGE, LA	SOUTH	219531	99809	81973	2.68	213354
BISMARCK, ND	MIDWEST	49256	25622	18714	2.63	44644
BOISE CITY, ID	WEST	125738	65473	48425	2.60	121719
BOSTON, MA	EAST	574283	294077	231283	2.48	574283
CARSON CITY, NV	WEST	40443	19728	15706	2.57	36946
CHARLESTON, WV	SOUTH	57287	24364	24026	2.38	43377
CHEYENNE, WY	WEST	50008	24888	19350	2.58	46893

Point Database table viewed in Google Earth Pro.

The Google Earth Pro provides Tools/Table selection on the main toolbar to view database tables. The illustration to the left shows the part of the table showing records from Population database table exported with a KML schema tag. If the KML file is exported without a schema tag, the table contains only the name and description fields for the table selected during the Export process.

name	description	URBANPOP	AVEHHSIZE	HH	TOT_EMPL	POP	REGNAME	CITYNAME
ALBANY, NY	REGNAME EAST POP 101082 TOT_EMPL 51753 HH 41489	99467	2.44	41489	51753	101082	EAST	ALBANY, NY
ANNAPOLIS, MD	</td></tr><tr><td>HH</td><td>122	31433	2.71	12239	18961	33187	SOUTH	ANNAPOLIS, MD
ATLANTA, GA	</td></tr><tr><td>HH</td><td>157	389485	2.51	157036	189532	394017	SOUTH	ATLANTA, GA
AUGUSTA, ME	<tr><td>HH</td><td>864	18053	2.47	8648	10351	21325	EAST	AUGUSTA, ME
AUSTIN, TX	<tr><td>HH</td><td>189	443342	2.45	189731	249622	465622	SOUTH	AUSTIN, TX

- Scroll down to view other database tables.
- Scroll down to view the records of the database tables
- Double-click on any cell to zoom into the associated element.
- Right-click on any cell for further Table tools.