

## Using the New Implementation of GeoFind in MapPro71 Rel.2

### *GeoFind('Search\_String/Qualifiers');*

#### *Search\_String*

Any valid Full - Address or City – State or Zip-Code/Postal Code specification

Examples:

- (a) *GeoFind('231 Sutton Street, N. Andover, MA')*

Returns the single hit

SUTTON ST#9NORTH ANDOVER#9231#9MA#901845#9#9-71.130368,42.707392

- (b) *GeoFind('Sutton Street, N. Andover, MA')*

Returns hits of the form

SUTTON ST#9NORTH ANDOVER#9570-599#9MA#901845#9#9-71.119552,42.712256

- (c) *GeoFind('Andover');*

Returns hits of the form

#9ANDOVER#9#9IA#952732#9#9-90.252672,41.979136

- (d) *GeoFind('01845');*

Returns hits of the form

#9NORTH ANDOVER(N ANDOVER)#9#9MA#901845#9#9-71.117888,42.687552

- (e) *GeoFind('Sutton Street');*

Returns 36 hits of the form

SUTTON ST#9PEABODY#96 - 9#9MA#901960#9#9-70.925568,42.519232

If you are zoomed into the N. Andover, MA area. Since no State/ZipCode info is available, the Function uses the current centerpoint of the Viewport as the point of reference and returns possible hits within 19 miles from that point. (It assumes a 19 mile search radius, so it would be the same as executing

*GeoFind('Sutton Street|R19');* // See *Qualifiers*, below.

#### *Qualifiers* (Square brackets indicate optional input)

**[R]nnn** – Specifies a Radius qualifier, where nnn is the radius in miles. Note that in order to keep the function compatible with earlier applications, if nnn is specified after the | character (without

the R) it is also assumed to be a radius qualifier. Note that if R is specified, but no X,Y qualifiers are specified, the center of the search is assumed to be the center of the current viewport.

Examples:

- (a) GeoFind('Sutton Street|R19');  
Returns 36 hits of the form

```
SUTTON ST#9PEABODY#96 - 9#9MA#901960#9#9-70.925568,42.519232
```

if you are zoomed into the N. Andover, MA area, just as if GeoFind('Sutton Street'); was executed, since the default search radius is 19

**P[nnn]** - Specifies a POI search. If no nnn is specified then there is no radius filter user in the search.

Example:

- (a) GeoFind('Sonic,GA|P');  
All hits that meet the substring criterion 'sonic' in GA are returned in the form

```
Meadowlark Cir#9Savannah#9106#9GA#931419#9#9-81.257682,32.005708#9Sonic  
Drive-In#9560500
```

With the POI code as the last parameter being returned.

**C[nnnnnn]** – Specifies that POI search will be limited to the category indicated by nnnnnn. If a Main category (and all it's sub-categories) are desired, then this specification should be nn, where nn specifies the two digit category (see POIManage Interface in the user's manual for a listing of categories). If no nnnnnn at all is specified, then the results for ALL categories are returned. This is only meaningful for POI searches.

Examples:

- (b) GeoFind('Sonic,GA|P');  
All hits that meet the substring criterion 'sonic' in GA are returned in the form

```
Meadowlark Cir#9Savannah#9106#9GA#931419#9#9-81.257682,32.005708#9Sonic  
Drive-In#9560500
```

With the POI code as the last parameter being returned.

- (c) GeoFind('Sonic,GA|PR10');

Since there is a search radius specified, but there is no explicit center (X,Y), then the current Viewport center is used as the point of reference. So, if you are zoomed in the state of GA and there are POIs meeting the 'scenic' criteria, within 19 miles from the viewport center, they will be returned in the form

Meadowlark Cir#9Savannah#9106#9GA#931419#9#9-81.257682,32.005708#9Sonic Drive-In#9560500

If you are zoomed into some other area, no hits will be returned.

(d) GeoFind('Dr|PR10C54');

If you are zoomed into the area of GA, then all POIs that meet the criteria 'Dr', are within 10 miles from the viewport center and are of major category 54 (medical) will be returned in the form:

Peachtree Rd NE # 450#9Atlanta#93384#9GA#930326#9-84.365658,33.848945#9Drummond Carol R PHD#9540202

**Xnn.nnnn** – Specifies the X-coordinate of the reference point to be used as the center for the search radius. If no X and Y qualifiers are specified, but an R qualifier is used, then the center of the current Viewport is used as the center of the search radius.

**Ynn.nnnn** – Specifies the Y-coordinate of the reference point to be used as the center for the search radius. If no X and Y qualifiers are specified, but an R qualifier is used, then the center of the current Viewport is used as the center of the search radius.

Examples:

(a) GeoFind(Michael|X-83.5Y32.35PR50C540210)

Returns all hits that meet the POI criterion Michael, within a radius of 50 miles from the reference point X = -83.5, Y = 32.35, and with POI code 540210 (Medical, Dental). The results are returned in the form:

E College Ave#9Ashburn#9372#9GA#931714#9#9-83.649808,31.708722#9Michael F Dent Pc#9540210