Territory Lookup

REST API · https://www.easyterritory.com/documentation/easyterritory-rest-api/territory-lookup-rest-call-v3-13/

The **Territory Lookup REST API** lets you query and inspect the territories defined in your EasyTerritory project, including their geometry, component geographies, and related metadata. All requests must be authenticated using an OI token, passed either as a cookie (`oitoken`) or as a request parameter.

Typical use cases include:

- Querying territories by ZIP/Postal Code.
- Looking up territories based on a latitude/longitude point.
- Retrieving full territory geometry and metadata for mapping and analytics.

Initial Setup

Before using the Territory Lookup API, complete these steps:

1. **Build a Project**
   - Create an EasyTerritory project containing territories using geographies (e.g., ZIP/Postal Codes, State boundaries).
   - Configure the **`ProjectMarkupPlugin`**.
2. **Authenticate**
   - Follow the Authentication Guide to retrieve an `oitoken`.
3. **Call Territory Lookup API**

REST API Endpoints

Get Project Markup (All Territories)

Retrieves the full geometry and parts (e.g., ZIP Codes) that make up each territory.

Endpoint:

```
GET
https://apps.easyterritory.com/{YourEZTInstanceGuid}/{YourEZTInstanceType}/REST/ProjectMarkupPolygon/{projectId}
```

Get Territory by Geography

Retrieves territory details for a specific geography (e.g., ZIP code → mapped territory).

Endpoint:

```
GET
https://apps.easyterritory.com/{YourEZTInstanceGuid}/{YourEZTInstanceType}/REST/ProjectMarkupPolygon/{projectId}/territory?territoryId={territoryId}
```

Get Territory by Latitude/Longitude

Returns all territories containing the supplied coordinates.

Endpoint:

```
GET
https://apps.easyterritory.com/{YourEZTInstanceGuid}/{YourEZTInstanceType}/REST/ProjectMarkupPolygon/{projectId}/location?lat={latitude}&lon={longitude}
```

Notes:

- {YourGuid} → Your EasyTerritory GUID.
- {YourEZTInstanceType} → One of [DEV], [TEST], or [APP] (APP = Production).
- {ProjectId} → The target EasyTerritory project.

Request Headers

- **Media Types**: “application/json”
- **Cookie**: “oitoken={oiToken}”

URI Parameters

Name	Required	Type	Description
territoryId	Yes (/territory)	String	ZIP/postal code to look up. Required on the `/territory` endpoint. Supports pipe-delimited multiple values: `12345|67890`.
isUsPostalCode	No	Boolean	When true, pads to 5 digits or extracts the first 5 from ZIP+4. Default false. Used with `/territory`.
lat	Yes (/location)	Number	Latitude (WGS84 decimal degrees). Required on the `/location` endpoint.
lon	Yes (/location)	Number	Longitude (WGS84 decimal degrees). Required on the `/location` endpoint.
omitWkt	No	Boolean	When true, omits the Well-Known Text (WKT) representation from the response JSON.
omitMetadata	No	Boolean	When true, omit metadata from response JSON.
maxVertices	No	Integer	Specifies the maximum number of vertices to use when simplifying the Well-Known Text (WKT) geometry included in the response JSON. If parameter is not included the WKT is not simplified.
oiToken	No	String	Pass OI Token as parameter instead of a cookie.

Response JSON

```
{
    primaryKey: number; // C# long
    wkt: string;
    projectId: string;
    markupId: string;
    tag: string;
    metadataJson: string;
    col1: string;
    col2: string;
    col3: string;
    col4: string;
```

```
    col5: string;
    col6: string;
    col7: string;
    col8: string;
}
```

Field	Description
primaryKey	Primary key set on the SQL table.
wkt	Well-Known Text geometry of the territory shape (Popular Spherical Mercator).
projectId	ID of the EasyTerritory project.
markupId	Unique identifier of the territory shape.
tag	Concatenated label: **Group Name | Territory Name** (from EasyTerritory project).
metadataJson	Comma-separated list of geography values used to create the territory.
col1–col8	Columns in the group/territory name. col1 = first column; col2–col8 populated by pipe.

Sample Request

(Get Territory by Latitude/Longitude)

```
GET /12345678-1234-1234-1234-
123456789abc/APP/REST/ProjectMarkupPolygon/SalesTerritories/location?lat=30.4383&lon=-
84.2807&omitWkt=false&maxVertices=5000 HTTP/1.1
Host: apps.easyterritory.com
Content-Type: application/json
Cookie: oitoken=abcdeabcdeabcde
```

Sample Response

```
[
  {
    "primaryKey": 201001,
    "wkt": "POLYGON((-84.2900 30.4330, -84.2700 30.4330, -84.2700 30.4450, -84.2900 30.4450, -
84.2900 30.4330))",
```

```
    "projectId": "SalesTerritories",
    "markupId": "TALLY-DOWNTOWN",
    "tag": "Tallahassee | Downtown Territory",
    "metadataJson": "32301,32304",
    "col1": "North Florida Region",
    "col2": "Downtown Tallahassee",
    "col3": "Manager: Jane Doe",
    "col4": "Channel: Direct",
    "col5": "Segment: SMB",
    "col6": "",
    "col7": "",
    "col8": ""
  }
]
```