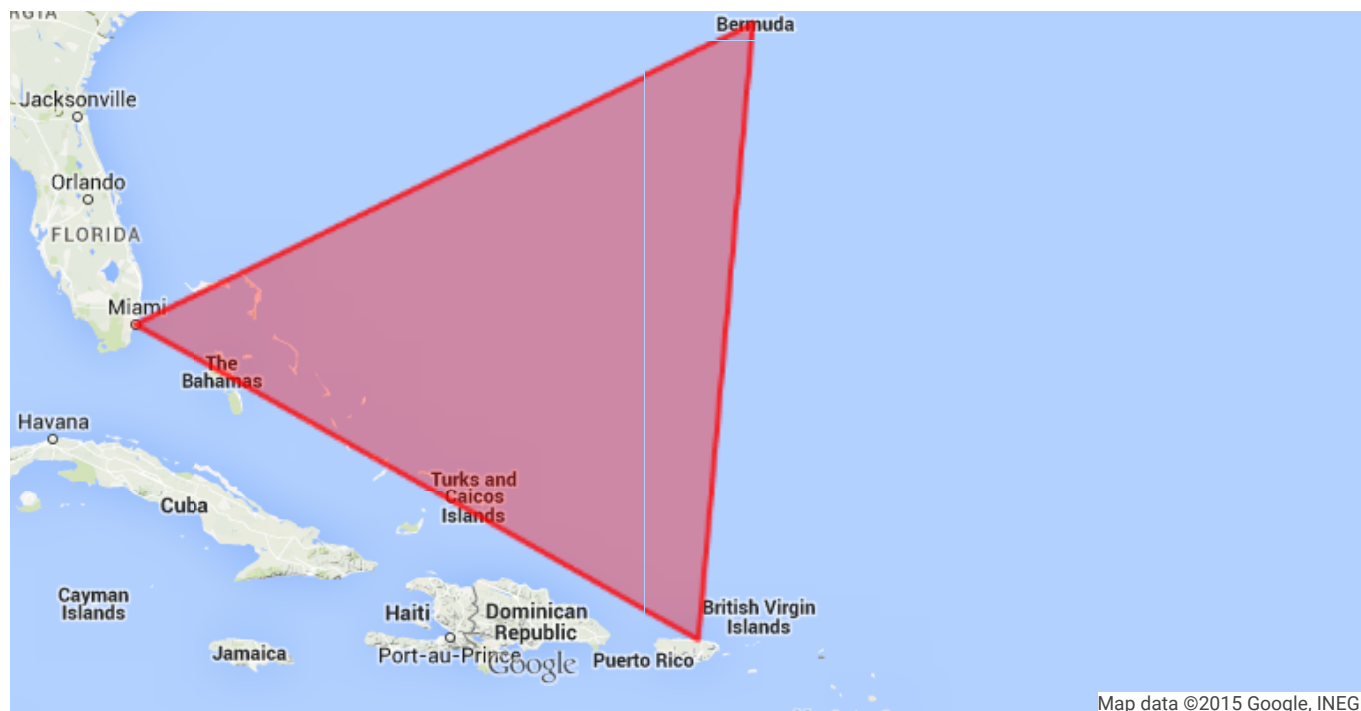


Polygon Arrays



View this example [full screen](#).

JavaScript

JavaScript + HTML

```
// This example creates a simple polygon representing the Bermuda Triangle.  
// When the user clicks on the polygon an info window opens, showing  
// information about the polygon's coordinates.
```

```
var map;  
var infoWindow;  
  
function initialize() {  
  var mapOptions = {  
    zoom: 5,  
    center: new google.maps.LatLng(24.886436490787712, -70.2685546875),  
    mapTypeId: google.maps.MapTypeId.TERRAIN  
  };  
  
  var bermudaTriangle;  
  
  map = new google.maps.Map(document.getElementById('map-canvas'),  
    mapOptions);  
  
  // Define the LatLng coordinates for the polygon.
```

```

var triangleCoords = [
    new google.maps.LatLng(25.774252, -80.190262),
    new google.maps.LatLng(18.466465, -66.118292),
    new google.maps.LatLng(32.321384, -64.75737)
];

// Construct the polygon.
bermudaTriangle = new google.maps.Polygon({
    paths: triangleCoords,
    strokeColor: '#FF0000',
    strokeOpacity: 0.8,
    strokeWeight: 3,
    fillColor: '#FF0000',
    fillOpacity: 0.35
});

bermudaTriangle.setMap(map);

// Add a listener for the click event.
google.maps.event.addListener(bermudaTriangle, 'click', showArrays);

infoWindow = new google.maps.InfoWindow();
}

/** @this {google.maps.Polygon} */
function showArrays(event) {

    // Since this polygon has only one path, we can call getPath()
    // to return the MVCArray of LatLngs.
    var vertices = this.getPath();

    var contentString = '<b>Bermuda Triangle polygon</b><br>' +
        'Clicked location: <br>' + event.latLng.lat() + ',' + event.latLng.lng() +
        '<br>';

    // Iterate over the vertices.
    for (var i = 0; i < vertices.getLength(); i++) {
        var xy = vertices.getAt(i);
        contentString += '<br>' + 'Coordinate ' + i + ':<br>' + xy.lat() + ',' +
            xy.lng();
    }

    // Replace the info window's content and position.
    infoWindow.setContent(contentString);
    infoWindow.setPosition(event.latLng);

    infoWindow.open(map);
}

google.maps.event.addDomListener(window, 'load', initialize);

```

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Last updated March 17, 2015.