

Googl X Search	
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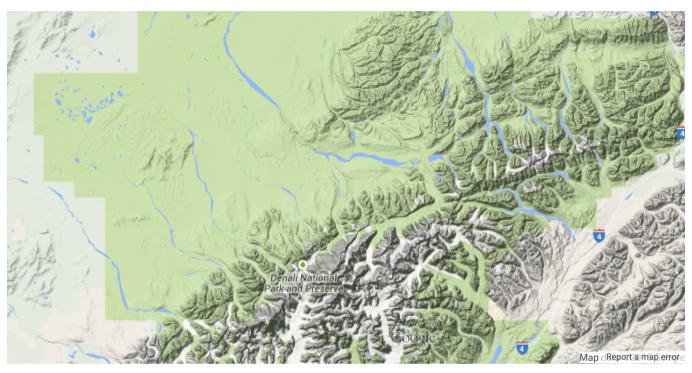
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Products

Google Maps API

Google Maps JavaScript API v3

Elevation service



View this example full screen.

JavaScript JavaScript + HTML

```
var elevator;
var map;
var infowindow = new google.maps.InfoWindow();
var denali = new google.maps.LatLng(63.3333333, -150.5);

function initialize() {
  var mapOptions = {
    zoom: 8,
    center: denali,
    mapTypeId: 'terrain'
  }
  map = new google.maps.Map(document.getElementById('map-canvas'), mapOptions);

// Create an ElevationService
elevator = new google.maps.ElevationService();

// Add a Listener for the click event and call getElevation on that Location
  google.maps.event.addListener(map, 'click', getElevation);
}
```

```
function getElevation(event) {
 var locations = [];
 // Retrieve the clicked location and push it on the array
 var clickedLocation = event.latLng;
 locations.push(clickedLocation);
 // Create a LocationElevationRequest object using the array's one value
 var positionalRequest = {
    'locations': locations
 }
 // Initiate the location request
 elevator.getElevationForLocations(positionalRequest, function(results, status) {
   if (status == google.maps.ElevationStatus.OK) {
     // Retrieve the first result
     if (results[0]) {
       // Open an info window indicating the elevation at the clicked position
       infowindow.setContent('The elevation at this point <br/>br>is ' + results[0].elevation + ' meters
.');
        infowindow.setPosition(clickedLocation);
       infowindow.open(map);
     } else {
       alert('No results found');
     }
   } else {
     alert('Elevation service failed due to: ' + status);
 });
}
google.maps.event.addDomListener(window, 'load', initialize);
```

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