

How to Download Images

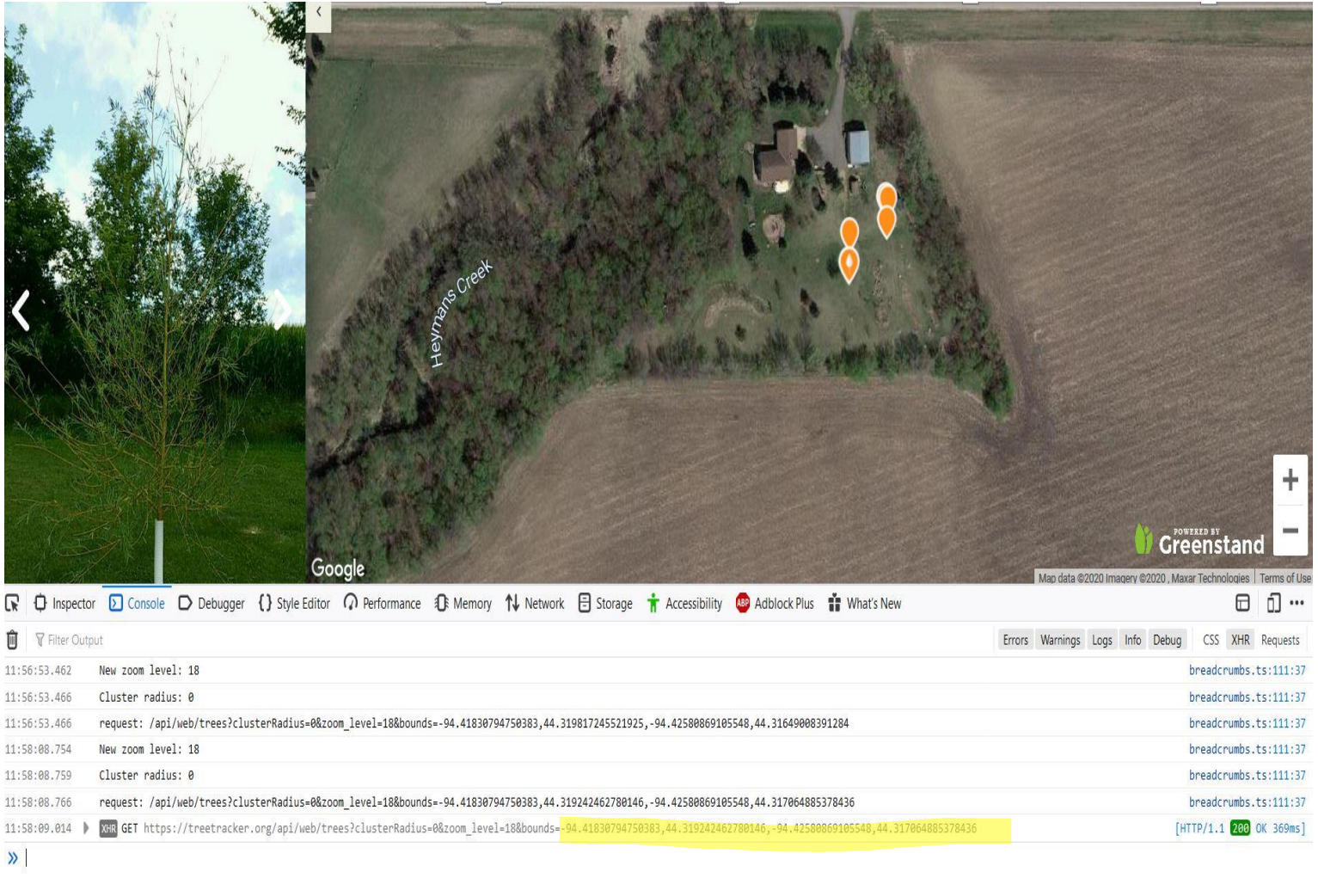
1. Go to <https://treetracker.org/>



2. Zoom in until you can see individual trees



3. Go to your web console tool and copy the “bounds”



The screenshot displays a web application interface. On the left, there is a vertical image of a tree. The main area shows a satellite map of a rural landscape with a creek labeled 'Heymans Creek'. Three orange location pins are placed on the map. The map is powered by Greenstand. Below the map, a web console is open, showing a list of network requests. The last request is highlighted in yellow: `GET https://treetracker.org/api/web/trees?clusterRadius=0&zoom_level=18&bounds=-94.41830794750383,44.319242462780146,-94.42580869105548,44.317064885378436`. The console also shows messages for 'New zoom level: 18' and 'Cluster radius: 0'.

4. You can either use the python CLI (“terminal.py” in Github repo) or if using a script you can use the DataLoader object in “api”

Example CLI:

```
python terminal.py
"C:/Users/shubh/OneDrive/Documents/greenstand/data/lotan_israel/"
"lotan_israel" -coordinates 35.0880657601578 29.988515416223
35.08431538838197 29.98719735652034
```

Example DataLoader object:

```
name = "lotan_israel"
data_dir = os.path.join(os.path.dirname(os.getcwd()), "data", name)
```

```
loader = DataLoader(dir=data_dir, name=name,  
server_url="http://167.172.211.46:3007/captures/")  
loader.retrieve_dataset(35.08995660177582,29.989065255077037,  
35.08245585822417,29.986429132771992, create_md=True)
```

If the `create_md` argument is True (by default on CLI) each image file also downloads a .txt file with JSON metadata with `id`, `planter_id`, `image_url`, `lat`, `lon`, `estimated_geo_loc`, and `hash` fields