Lab8

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Links: <https://biquan679.github.io/Lab8/Lab8.html>

I. I changed the camera height to 500, angle to 45, and direction to 160.

camera: {

position: {

latitude: 41.6608232,

longitude: -91.537668,

z: 500

},

tilt: 45,

heading: 160

2. I changed the “name” under the symbol based on the “name” from the ArcGIS list of [Esri Web Style Symbols (3D) | ArcGIS API for JavaScript](https://developers.arcgis.com/javascript/latest/esri-web-style-symbols-3d/#schematic-vegetation).

var uniqueValueInfos = [{

value: "Crataegus sp.",

symbol: {

type: "web-style", // autocasts as new WebStyleSymbol()

name: "Cercocarpus",

styleName: "EsriRealisticTreesStyle"

}

},

3. I changed the date and time to "April 5, 2021 09:00:00 EDT".

environment: {

lighting: {

date: new Date("April 5, 2021 09:00:00 EDT"),

directShadowsEnabled: true,

ambientOcclusionEnabled: true

}

}

4. I added another feature layer named “SmokingProhibitedLayer”.

var SmokingProhibitedLayer = new FeatureLayer({

url:"https://maps.facilities.uiowa.edu/arcgis/rest/services/Features/Smoking\_Prohibited\_Areas/MapServer/1",

elevationInfo: {

mode: "on-the-ground"

},

renderer: {

type: "unique-value", // autocasts as new UniqueValueRenderer()

field: "Scientific",

defaultSymbol: {

type: "web-style", // autocasts as new WebStyleSymbol()

name: "Unknown",

styleName: "EsriRealisticTreesStyle"

},

uniqueValueInfos: uniqueValueInfos,

visualVariables: [{

type: "size",

field: "Height",

axis: "height" // take the real height of the plant from the SIZE field

},{

type: "rotation",

valueExpression: "random() \* 360" // we use a random rotation, so that plants look different

}]

}});

map.addMany([vegetationLayer, SmokingProhibitedLayer]);