00:00 Hello. My name is Scott Lussier with Suffolk University's Center for Urban Ecology
00:04 and Sustainability, the CUES department.
00:07 I am going to talk to you a little bit about GIS here for Earth Day 2020 and what we do with GIS
00:13 and what it is and what it's all about.
00:15 Basically, what GIS does is it maps out data.
00:18 We use it primarily in environmental data.
00:20 Every environmental scientist these days uses GIS in some form or another.
00:24 It's a great way to visualize information, taking large data sets,
00:28 big data if you will,and represent it in a picture.
00:31 A picture tells a thousand words.
00:33 A map tells, oh, more than a million, I would say.
00:36 So what we can do is take all sorts of data, visualize it, tell stories with it,
00:41 break down information so that people can understand it.
00:43 So, as we gain more and more data sets through the internet
00:48 and through people's mobile devices, data is everywhere
00:51 and we're entering the Information Age, if we're not there already.
00:53 And GIS is a great tool for managing all of that information.
00:58 So we have, you know, these COVID maps,
01:00 unfortunately we've been seeing, as a product of GIS.
01:03 We use GIS to map out water systems and electric systems and utilities.
01:07 Every town uses GIS to look at parcel maps and things along those lines.
01:12 So, we use a variety of tools here.
01:16 We use Esri tools, ArcGIS.
01:19 We use QGIS, open-source tools.
01:21 We use Mapbox and CARTO.
01:23 And we start to dig into the programming a little bit too.
01:28 And we use drones.
01:29 Drones are a great way to gather data that we can map.
01:33 They fly over, they take pictures, they gather information
01:36 with their sensors, and we map them out.
01:38 So, I encourage you to talk to me if this information interests you,
01:44 if this technology interests you.
01:46 It's a great tool these days and you'll separate yourself
01:49 from the competition when you go to get a job.
01:51 So, let me know.
01:53 I love to talk about GIS and maps.
01:55 It's used in every industry, not just the environmental industry.
01:59 So, let's talk.
02:01 All right.
02:01 Thanks.