



Image: Inciweb/Tonto National Forest

1
00:00:00,600 --> 00:00:02,080
[MUSIC]

2
00:00:02,080 --> 00:00:03,486
This is an extreme fire.

3
00:00:03,486 --> 00:00:05,420
The Bush Fire is an extreme fire.

4
00:00:05,420 --> 00:00:11,535
It's extreme in terms of the elevation and the topography

5
00:00:11,540 --> 00:00:15,360
and it's also extreme in terms of the fire weather.

6
00:00:15,540 --> 00:00:21,200
Fire weather is a mixture of
temperature, relative humidity,

7
00:00:21,200 --> 00:00:26,833
precipitation, near-term precipitation,
and wind speed.

8
00:00:26,840 --> 00:00:33,280
This is an extreme fire and that is significant,

9
00:00:33,280 --> 00:00:37,460
but what's even more significant is that we hear about

10
00:00:37,469 --> 00:00:38,707
these all the time.

11
00:00:38,707 --> 00:00:42,030
We hear about the
biggest fires in California or in

12
00:00:42,030 --> 00:00:47,460
Arizona and the next year they're

surpassed again by the biggest fires and

13

00:00:47,460 --> 00:00:48,920

the biggest fire season.

14

00:00:48,920 --> 00:00:51,719

For this particular Bush Fire, we can say it's

15

00:00:51,719 --> 00:00:54,960

redundant droughts or this is a drought.

16

00:00:54,960 --> 00:00:57,390

This is an extreme heat and drought, but

17

00:00:57,390 --> 00:01:00,629

we're having a lot of redundant droughts,
and when you have redundant droughts

18

00:01:00,629 --> 00:01:02,080

that's climate.

19

00:01:02,100 --> 00:01:06,330

So as we're seeing the Northern Hemisphere upper latitudes warm,

20

00:01:06,330 --> 00:01:10,440

we're seeing more of these extreme
events

21

00:01:10,440 --> 00:01:13,680

and this is definitely one of them.

22

00:01:16,400 --> 00:01:23,200

NASA provides pre-fire, active-fire, and post-fire information.

23

00:01:23,760 --> 00:01:28,960

So we established these
relationships in advance and the fire

24

00:01:28,960 --> 00:01:35,120

community, in many places, they use our data and they downlink it directly.

25

00:01:35,520 --> 00:01:41,760

NASA also has a lot of resources that address air quality and health.

26

00:01:41,760 --> 00:01:45,520

We're very connected as one Earth and NASA has the

27

00:01:45,520 --> 00:01:48,040

ability, horizontally and vertically, to