

PERSEVERANCE
LANDING
IN JEZERO
CRATER,

TWO
YEARS AGO,
PERSEVERANCE
LANDED
IN JEZERO
CRATER,



1
00:00:04,789 --> 00:00:02,030
do you look at this image and think

2
00:00:06,950 --> 00:00:04,799
River as somebody who spent my career

3
00:00:09,650 --> 00:00:06,960
studying rivers on Earth my answers are

4
00:00:11,930 --> 00:00:09,660
resounding yes and I'll tell you why I'm

5
00:00:14,330 --> 00:00:11,940
Libby Ives a researcher at NASA's jet

6
00:00:16,189 --> 00:00:14,340
propulsion laboratory and this is an

7
00:00:19,490 --> 00:00:16,199
image recently taken by the perseverance

8
00:00:22,130 --> 00:00:19,500
Rover on Mars two years ago perseverance

9
00:00:23,990 --> 00:00:22,140
landed in Jezreel crater an area that

10
00:00:26,090 --> 00:00:24,000
was once an ancient Lake

11
00:00:28,269 --> 00:00:26,100
from orbit we've even spotted a network

12
00:00:30,529 --> 00:00:28,279
of waterways that have flowed into it

13
00:00:32,510 --> 00:00:30,539

perseverance is getting a closer look at

14

00:00:35,030 --> 00:00:32,520

one of these Rivers one that we now

15

00:00:37,910 --> 00:00:35,040

think was deeper and faster moving than

16

00:00:40,430 --> 00:00:37,920

we've ever seen evidence for on Mars

17

00:00:42,290 --> 00:00:40,440

see these big rocks those indicate a

18

00:00:44,209 --> 00:00:42,300

high energy River that's really Trucking

19

00:00:45,709 --> 00:00:44,219

and carrying a lot of debris we're

20

00:00:47,270 --> 00:00:45,719

working hard to figure out what type of

21

00:00:49,250 --> 00:00:47,280

river this was

22

00:00:51,049 --> 00:00:49,260

our leading theory is that this was a

23

00:00:52,850 --> 00:00:51,059

braided River with sandbars sprinkled

24

00:00:53,750 --> 00:00:52,860

throughout much like this River here on

25

00:00:55,910 --> 00:00:53,760

Earth

26

00:00:57,590 --> 00:00:55,920

understanding these watery environments