



1
00:01:35,030 --> 00:01:32,310
endeavor crater is this giant highly

2
00:01:37,830 --> 00:01:35,040
eroded ancient crater on mars

3
00:01:41,270 --> 00:01:37,840
it's over 20 kilometers in diameter so

4
00:01:43,190 --> 00:01:41,280
over 12 miles wide we're interested in

5
00:01:46,310 --> 00:01:43,200
endeavor crater because we see in its

6
00:01:48,149 --> 00:01:46,320
rim evidence of clay minerals and clay

7
00:01:50,870 --> 00:01:48,159
minerals are a class of minerals that

8
00:01:53,830 --> 00:01:50,880
form in neutral ph water so this is very

9
00:02:01,429 --> 00:01:53,840
exciting from the possibility of mars at

10
00:02:04,789 --> 00:02:02,709
we're going to map out these clay

11
00:02:06,870 --> 00:02:04,799
minerals we're going to find what story

12
00:02:08,550 --> 00:02:06,880
those minerals tell us about ancient

13
00:02:11,190 --> 00:02:08,560

mars and the implications for the

14

00:02:13,670 --> 00:02:11,200

habitability of mars

15

00:02:15,589 --> 00:02:13,680

a long long time ago and there's a lot

16

00:02:18,150 --> 00:02:15,599

of real estate to explore we're talking

17

00:02:20,150 --> 00:02:18,160

about kilometers of distance

18

00:02:22,710 --> 00:02:20,160

as we move along the rim of endeavour

19

00:02:25,110 --> 00:02:22,720

crater so it's not just one spot there's