ASTRID

FINAL

MARS / SOURCE REVIEW

ANOMALY REPORT

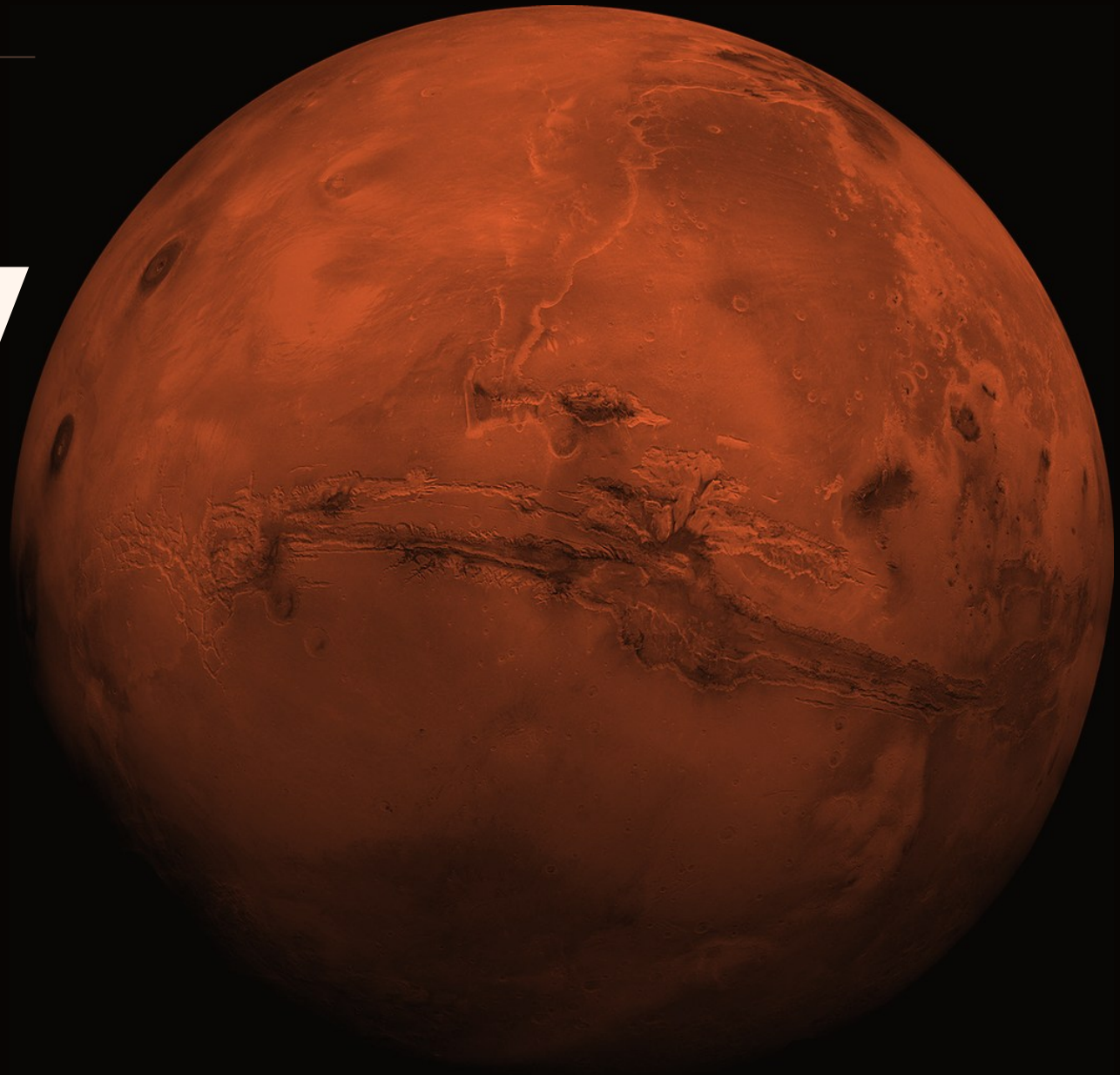
Source imagery, registered evidence and review coverage.

ESP_024515_1320

Mars Reconnaissance Orbiter · HiRISE

24 November 2026

Tile review complete.

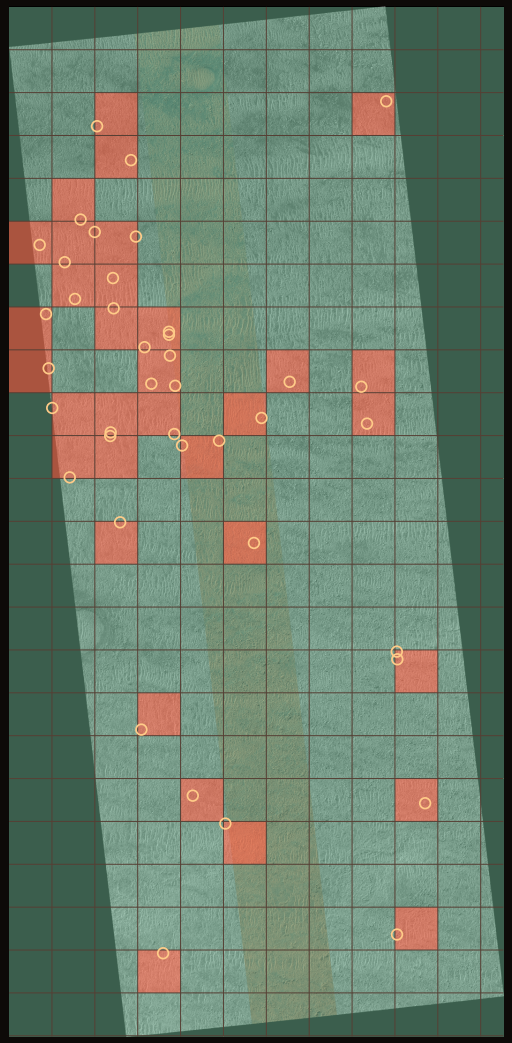


Observation imagery NASA/JPL-Caltech/UArizona

Cover globe NASA / JPL-Caltech

Review coverage

Field of transverse aeolian ridges in Proctor Crater



300 / 300
tiles reviewed

33
red flags

40
bookmarked areas

THE REVIEW SNAPSHOT

The 12 × 25 grid shows 267 green, 33 red, and 0 unreviewed tiles. Tiles with both marks count once. Counts include any blank margins.

SOURCE

Acquired 2011-10-19 17:16:59.303 UTC. ESP_024515_1320_MRGB.JP2 is 12,532 × 26,109 pixels. Verified map scale 0.5 m/pixel.

READING THE MAP

Checked tile Red flag tile Bookmark center

Bookmark centers are shown on the map. Evidence pages list the full native rectangles.

Image credit NASA/JPL-Caltech/UArizona

With thanks to Thomas Rice (@runozwritu) for bringing the image to our attention and assisting with the review.

How the views were made

The four views are aligned native JP2 crops using fixed source-wide display mappings. Enhance emphasizes local contrast, Relief suppresses smooth areas, and Edges isolates brightness transitions.

LIVE LOOKS

Look	Natural
Light	−0.91 EV
Contrast	1.19
Clarity	1.00
Texture	1.00
Saturation	1.00

TERRAIN STRUCTURE

Structure strength	1.50
Feature size	2.00
Noise protection	0.21
Smooth suppression	0.65
Detail balance	0.00
Structure color	enabled where supported
Relief polarity	Standard

Every capture uses the saved original-pixel coordinates. Studio composition edits are separate from the source-coordinate capture.
Large areas disclose the reduced sample scale beside their comparison panels.

SCALE & INTERPRETATION

Mapped footprint lengths use the verified grid scale (Equirectangular MARS, Embedded JP2 grid and matching HiRISE PDS label). Feet use 1 m = 3.28084 ft. The rectangle bounds describe the region examined. Surface height and origin remain unconfirmed.

HiRISE observation | Archive original | PDS product label | Mars cover globe

SOURCE SHA-256 d9874474fd937dcd0ab7fb2c37db7a7eb124c11d8b59700ba7db2f0fc0f028e4

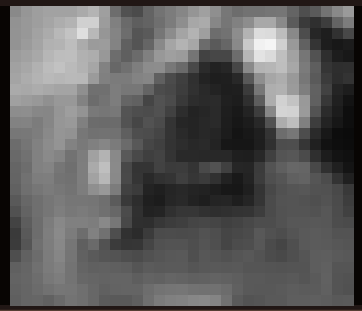
Area 1

x 2,549 y 10,868 / 31 × 27 native px

15.5 × 13.5 m / 50.9 × 44.3 ft

Mapped bookmark footprint

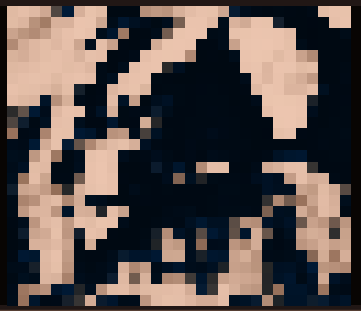
Source



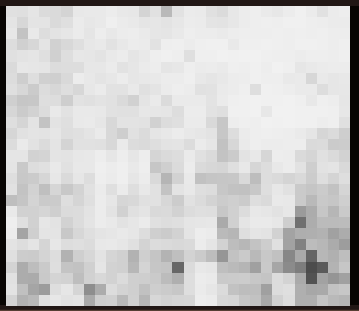
Enhance



Relief



Edges



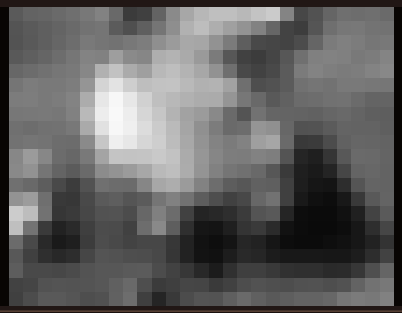
Area 2

x 1,081 y 10,159 / 27 × 21 native px

13.5 × 10.5 m / 44.3 × 34.4 ft

Mapped bookmark footprint

Source



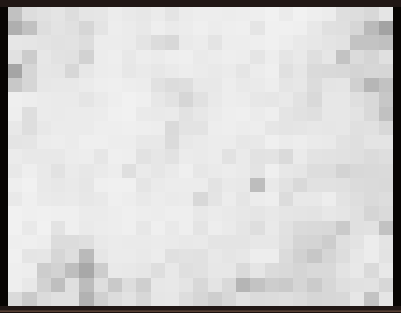
Enhance



Relief



Edges



Area 3

x 973 y 9,144 / 61 × 40 native px

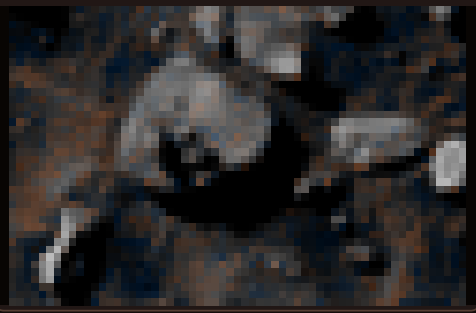
30.5 × 20 m / 100.1 × 65.6 ft

Mapped bookmark footprint

Source



Enhance



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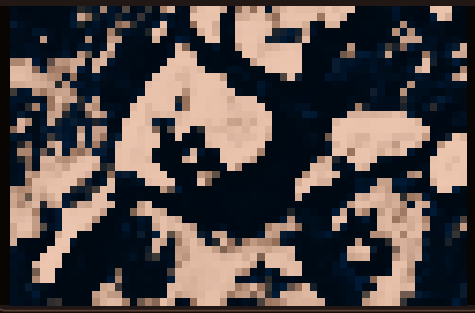

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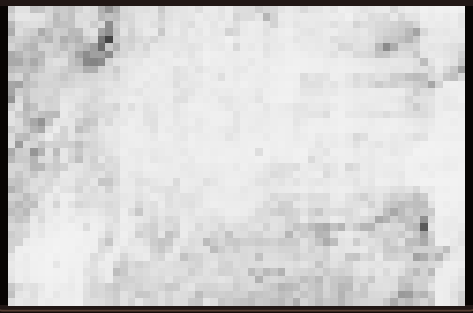


Area 4

x 906 y 7,766 / 61 × 46 native px

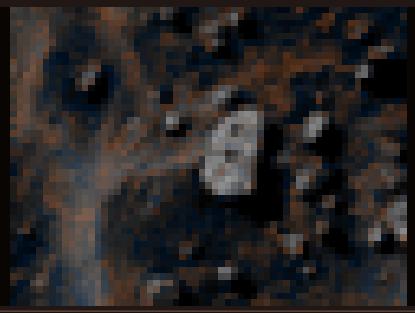
30.5 × 23 m / 100.1 × 75.5 ft

Mapped bookmark footprint

Source



Enhance



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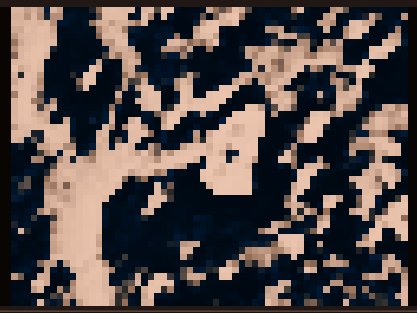
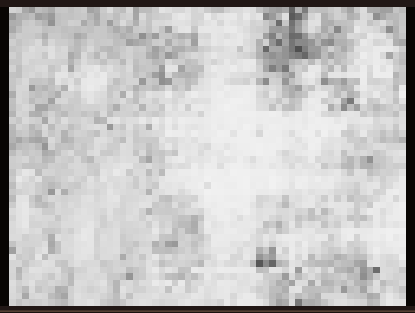


Edges



Area 5

x 721 y 6,002 / 109 × 67 native px

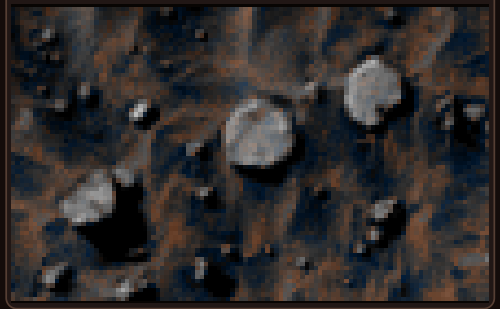
54.5 × 33.5 m / 178.8 × 109.9 ft

Mapped bookmark footprint

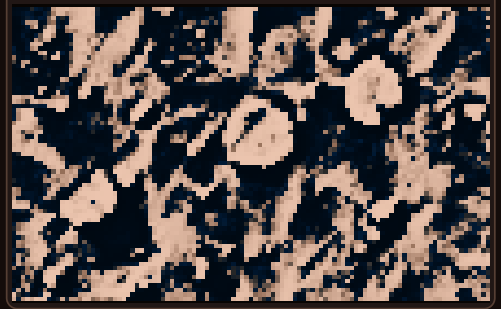
Source



Enhance



Relief



Edges



Saved flag note inside this rectangle: 1

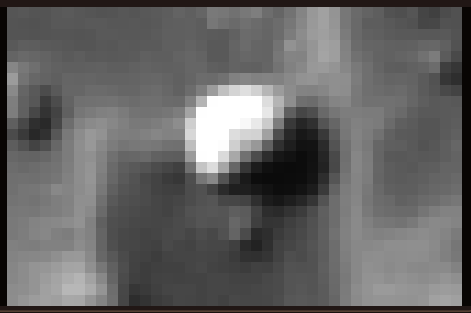
Area 6

x 1,517 y 11,916 / 41 × 27 native px

20.5 × 13.5 m / 67.3 × 44.3 ft

Mapped bookmark footprint

Source



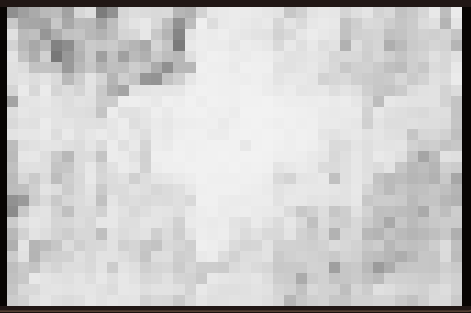
Enhance



Relief



Edges



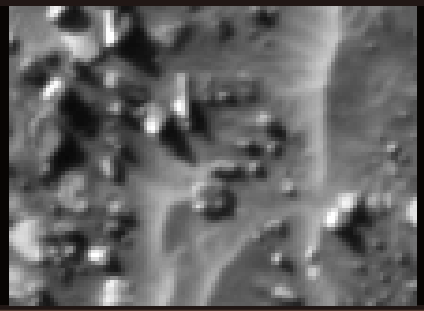
Area 7

x 2,521 y 10,749 / 109 × 80 native px

54.5 × 40 m / 178.8 × 131.2 ft

Mapped bookmark footprint

Source



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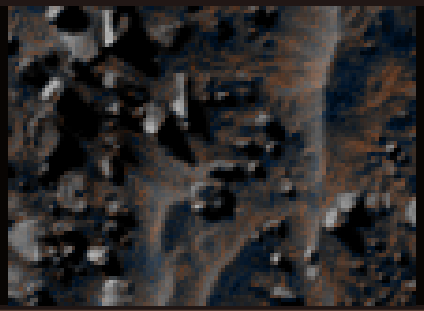
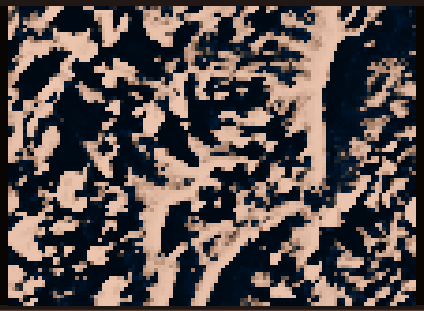


Relief



Edges



Area 8

x 2,194 y 2,998 / 74 × 55 native px

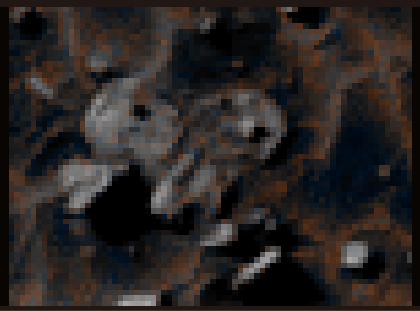
37 × 27.5 m / 121.4 × 90.2 ft

Mapped bookmark footprint

Source



Enhance



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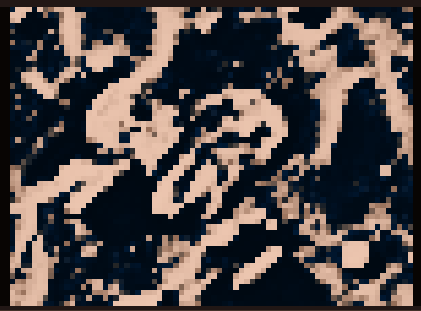

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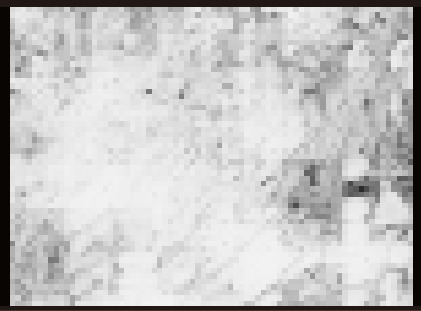


Area 9

x 1,769 y 5,351 / 87 × 84 native px

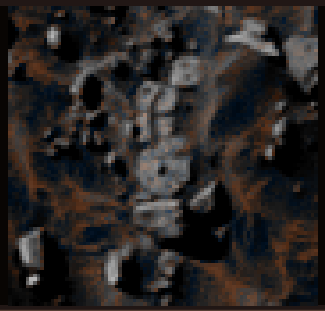
43.5 × 42 m / 142.7 × 137.8 ft

Mapped bookmark footprint

Source



Enhance



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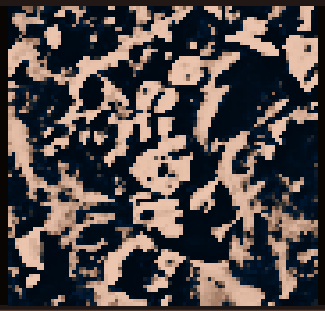


Edges



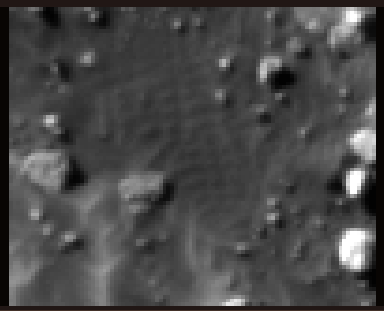
Area 10

x 2,122 y 5,667 / 98 × 80 native px

49 × 40 m / 160.8 × 131.2 ft

Mapped bookmark footprint

Source



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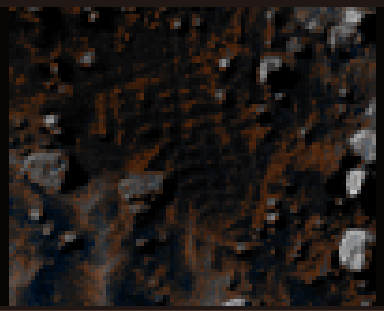

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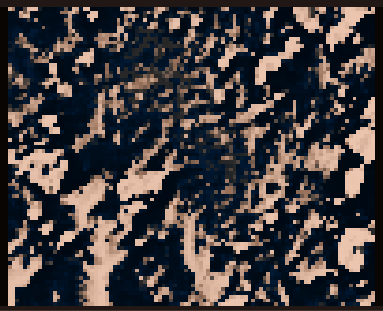
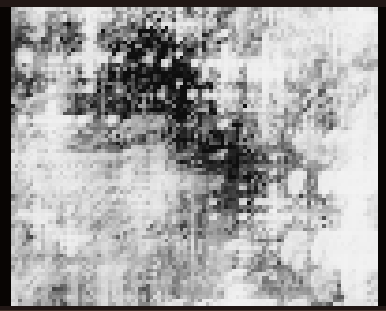


Edges



Area 11

x 1,362 y 6,445 / 96 × 59 native px

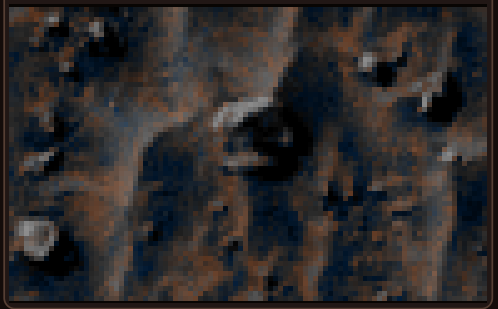
48 × 29.5 m / 157.5 × 96.8 ft

Mapped bookmark footprint

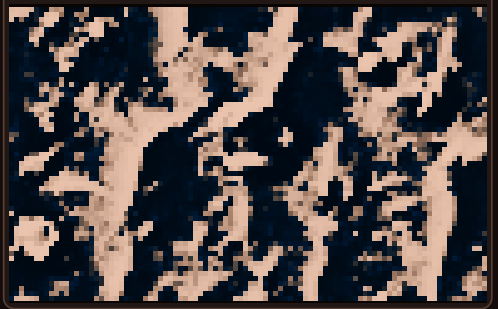
Source



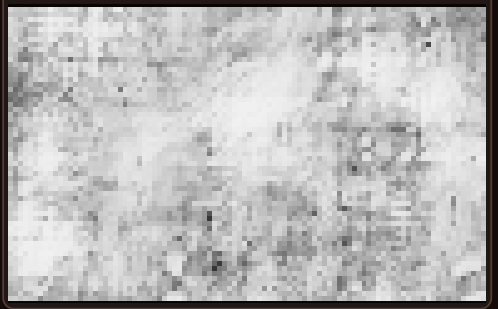
Enhance



Relief



Edges



Area 12

x 1,622 y 7,361 / 96 × 89 native px

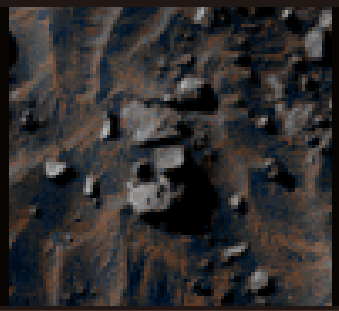
48 × 44.5 m / 157.5 × 146 ft

Mapped bookmark footprint

Source



Enhance



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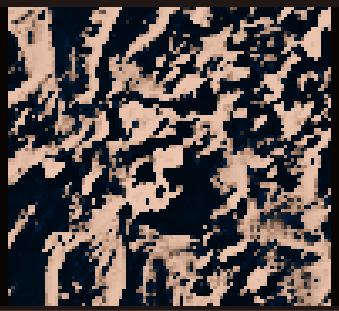


Edges



Area 13

x 3,873 y 23,969 / 64 × 54 native px

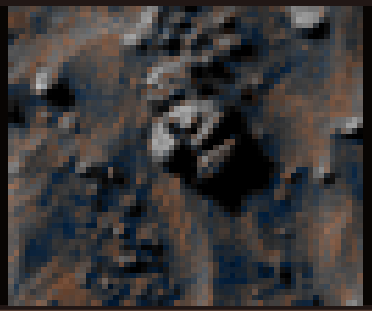
32 × 27 m / 105 × 88.6 ft

Mapped bookmark footprint

Source



Enhance



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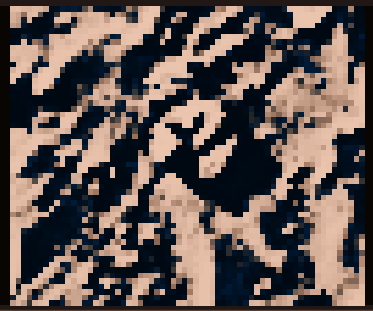

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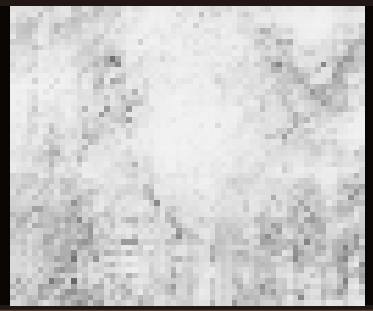


Area 14

x 3,310 y 18,287 / 88 × 76 native px

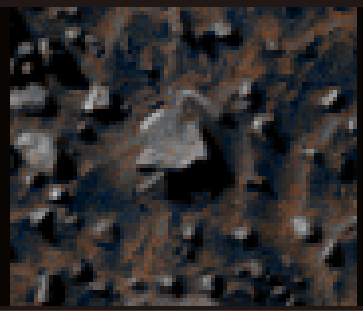
44 × 38 m / 144.4 × 124.7 ft

Mapped bookmark footprint

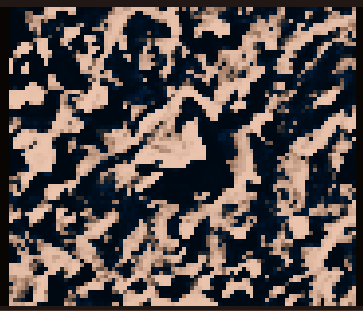
Source



Enhance



Relief



Edges



Area 15

x 4,149 y 10,794 / 80 × 75 native px

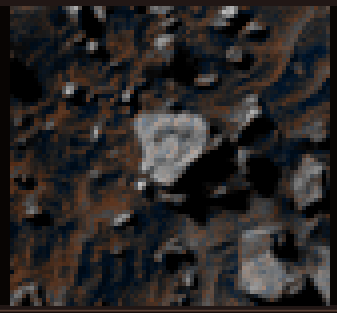
40 × 37.5 m / 131.2 × 123 ft

Mapped bookmark footprint

Source



Enhance



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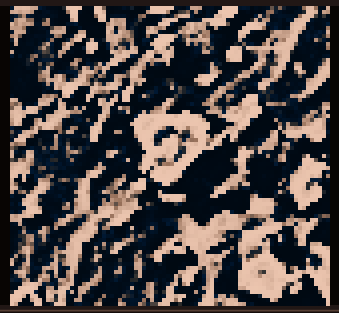
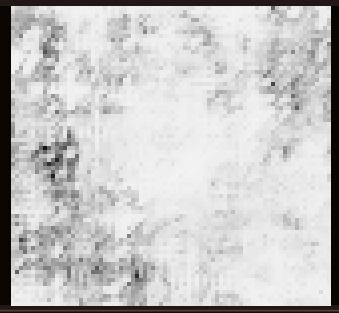


Edges



Area 16

x 2,607 y 7,610 / 87 × 67 native px

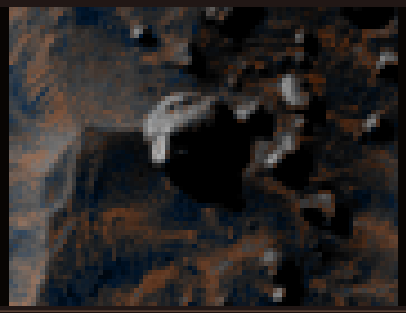
43.5 × 33.5 m / 142.7 × 109.9 ft

Mapped bookmark footprint

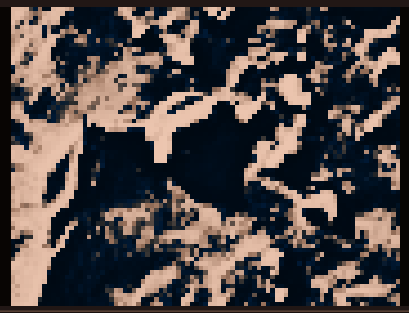
Source



Enhance



Relief



Edges



Area 17

x 2,581 y 6,838 / 104 × 76 native px

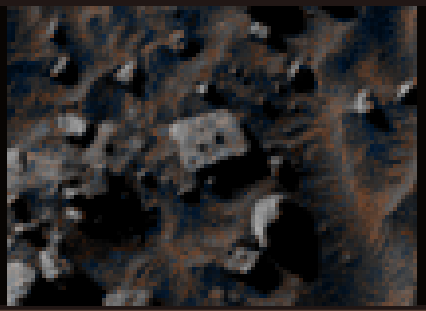
52 × 38 m / 170.6 × 124.7 ft

Mapped bookmark footprint

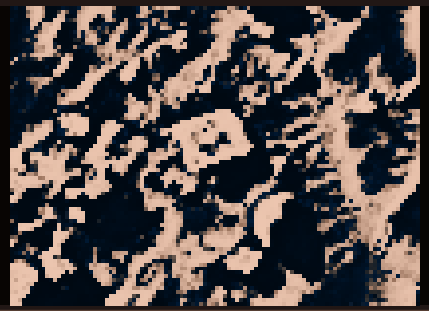
Source



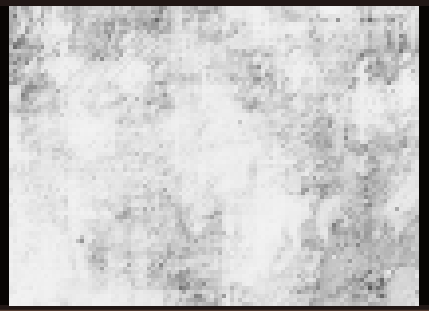
Enhance



Relief



Edges



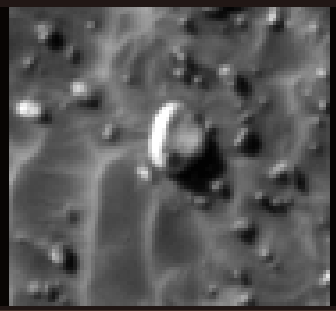
Area 18

x 3,170 y 5,782 / 90 × 84 native px

45 × 42 m / 147.6 × 137.8 ft

Mapped bookmark footprint

Source



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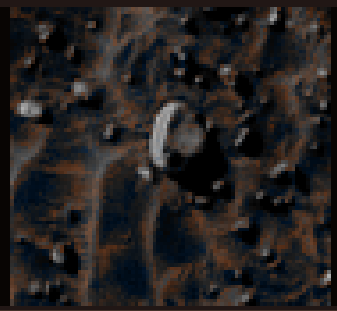
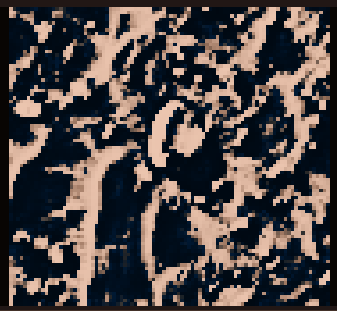
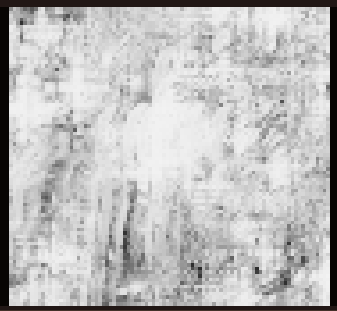


Relief



Edges



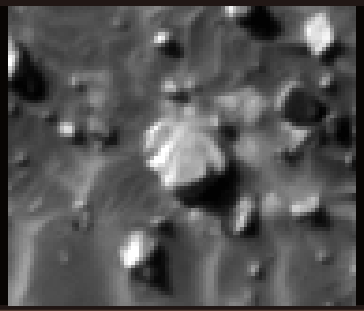
Area 19

x 3,044 y 3,846 / 93 × 80 native px

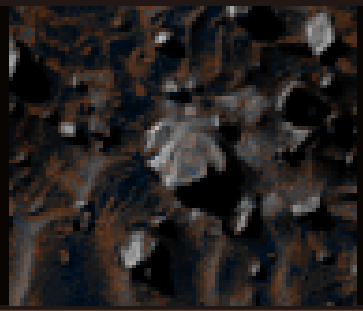
46.5 × 40 m / 152.6 × 131.2 ft

Mapped bookmark footprint

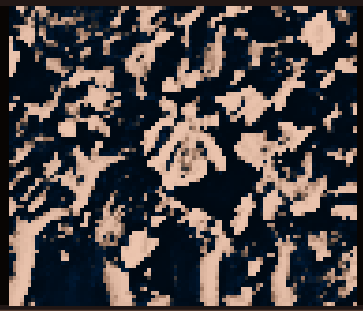
Source



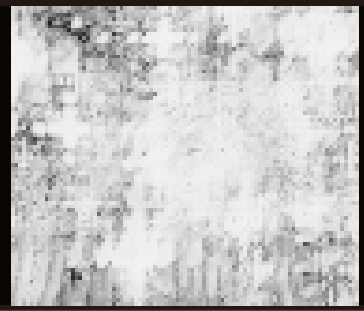
Enhance



Relief



Edges



Area 20

x 2,784 y 13,044 / 62 × 51 native px

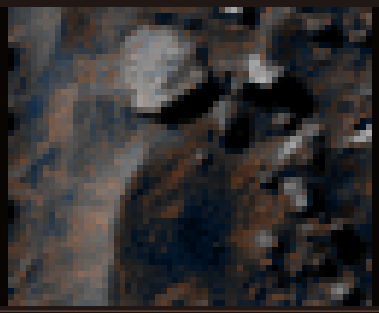
31 × 25.5 m / 101.7 × 83.7 ft

Mapped bookmark footprint

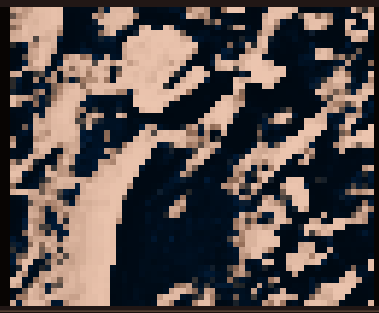
Source



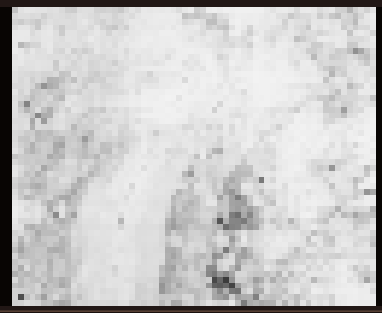
Enhance



Relief



Edges



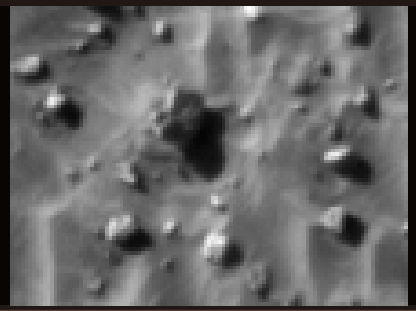
Area 21

x 4,024 y 8,802 / 109 × 82 native px

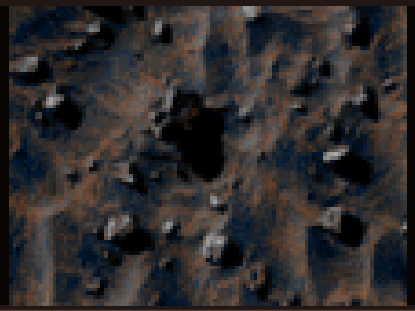
54.5 × 41 m / 178.8 × 134.5 ft

Mapped bookmark footprint

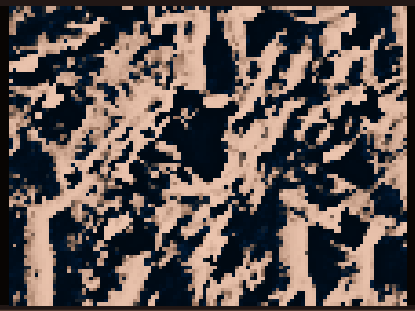
Source



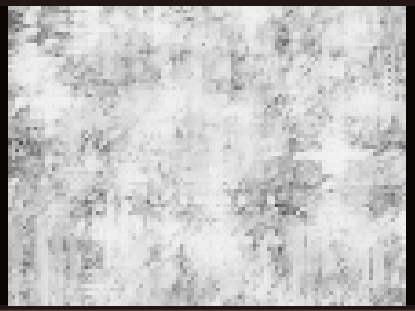
Enhance



Relief



Edges



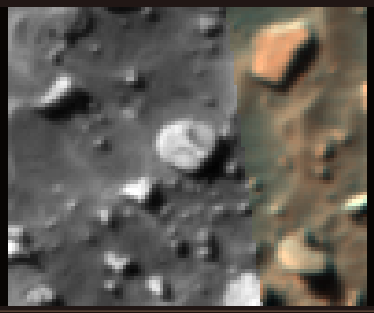
Area 22

x 4,163 y 9,567 / 97 × 81 native px

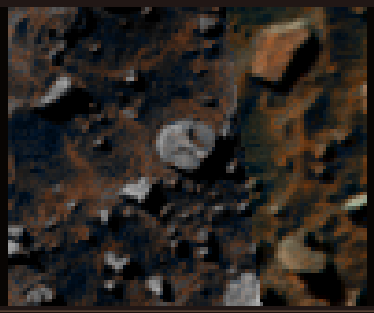
48.5 × 40.5 m / 159.1 × 132.9 ft

Mapped bookmark footprint

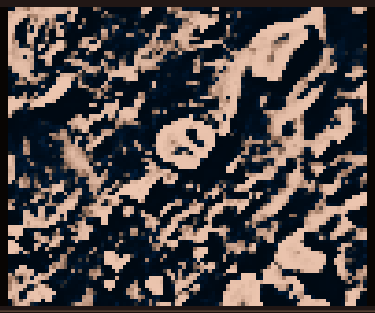
Source



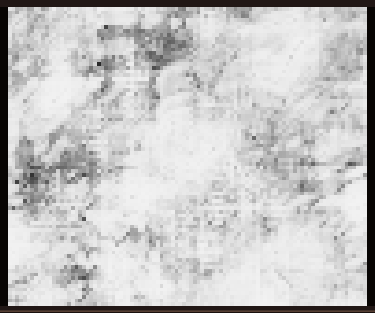
Enhance



Relief



Edges



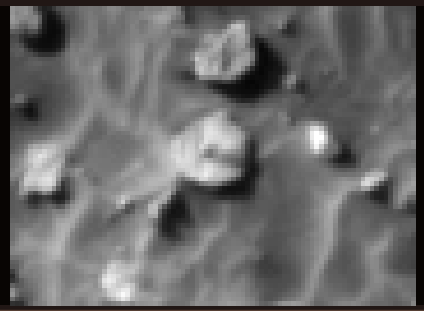
Area 23

x 3,563 y 9,522 / 88 × 65 native px

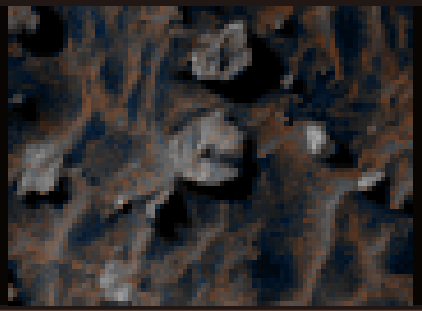
44 × 32.5 m / 144.4 × 106.6 ft

Mapped bookmark footprint

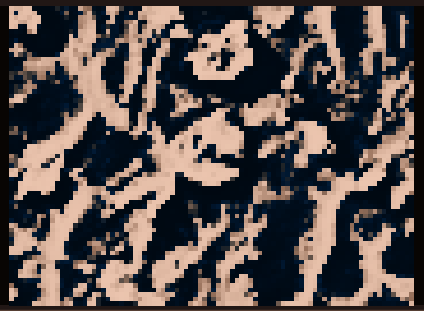
Source



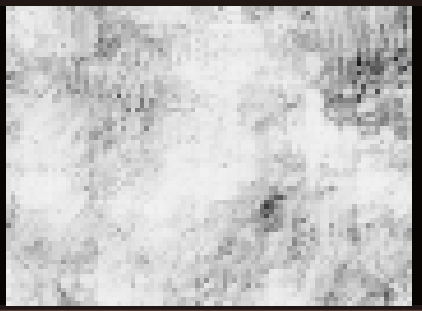
Enhance



Relief



Edges



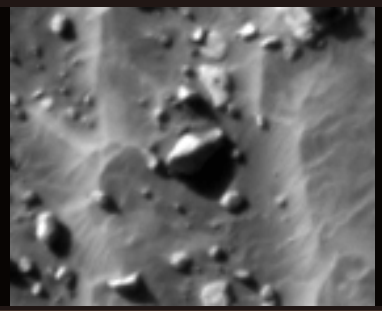
Area 24

x 3,365 y 8,572 / 139 × 114 native px

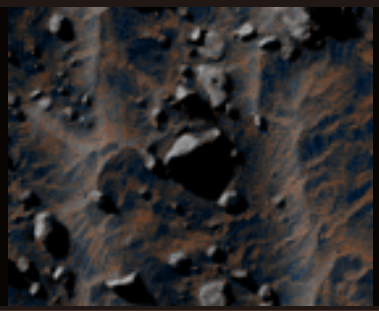
69.5 × 57 m / 228 × 187 ft

Mapped bookmark footprint

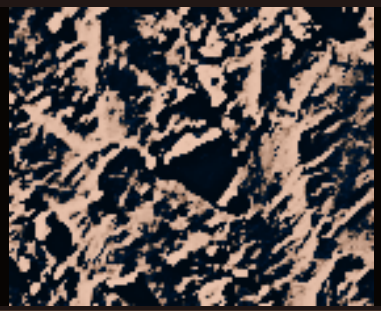
Source



Enhance



Relief



Edges



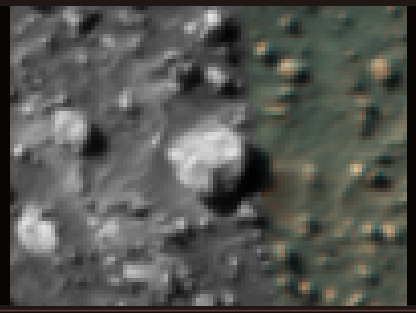
Area 25

x 4,005 y 8,201 / 98 × 74 native px

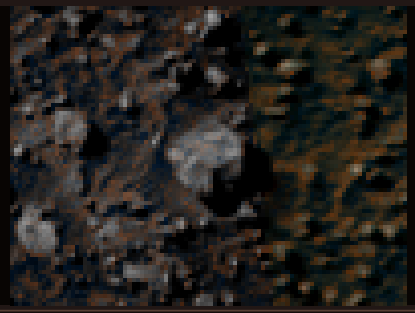
49 × 37 m / 160.8 × 121.4 ft

Mapped bookmark footprint

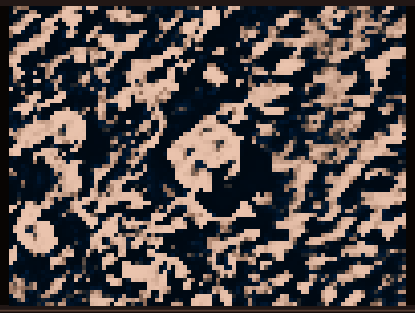
Source



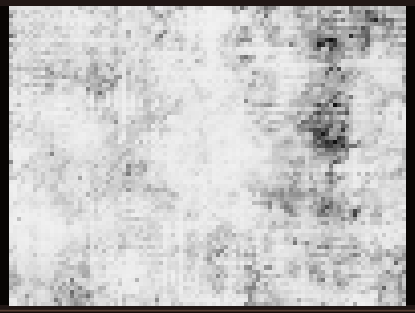
Enhance



Relief



Edges



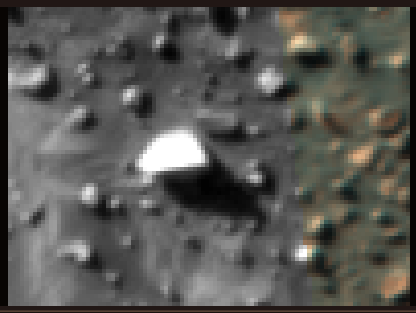
Area 26

x 4,005 y 8,277 / 98 × 73 native px

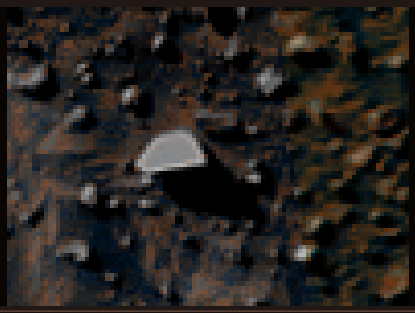
49 × 36.5 m / 160.8 × 119.8 ft

Mapped bookmark footprint

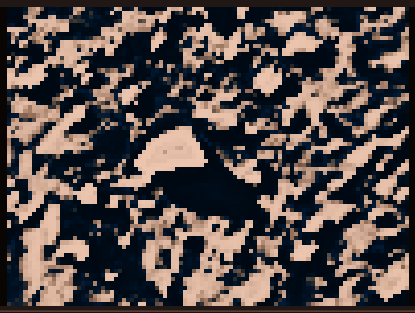
Source



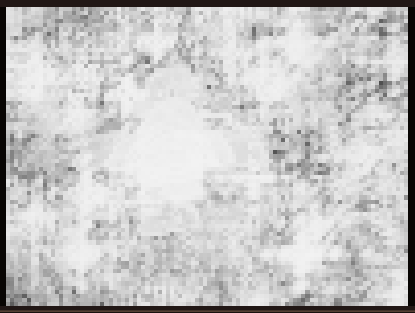
Enhance



Relief



Edges



Area 27

x 5,277 y 10,964 / 97 × 70 native px

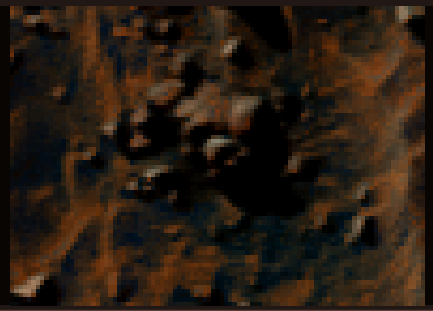
48.5 × 35 m / 159.1 × 114.8 ft

Mapped bookmark footprint

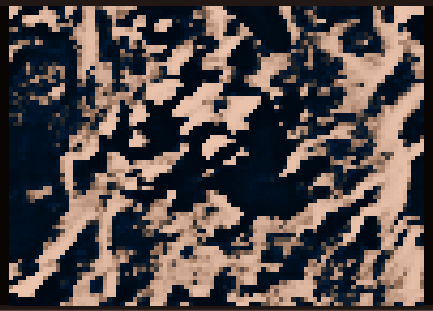
Source



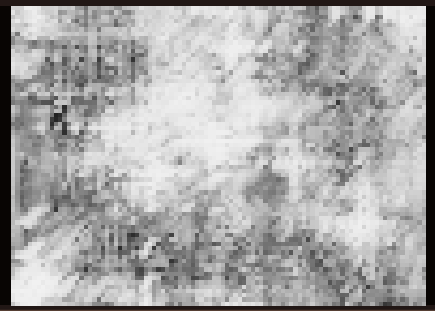
Enhance



Relief



Edges



Flip 90 degrees.

Area 28

x 4,347 y 11,090 / 78 × 64 native px

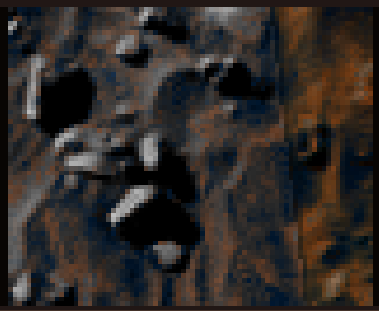
39 × 32 m / 128 × 105 ft

Mapped bookmark footprint

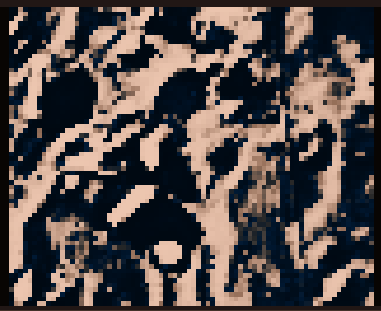
Source



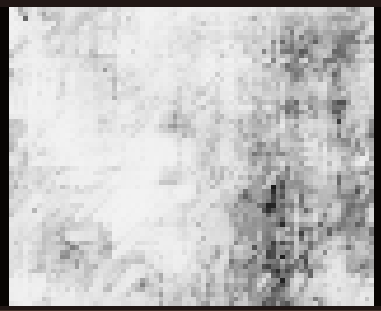
Enhance



Relief



Edges



Area 29

x 4,613 y 19,964 / 88 × 72 native px

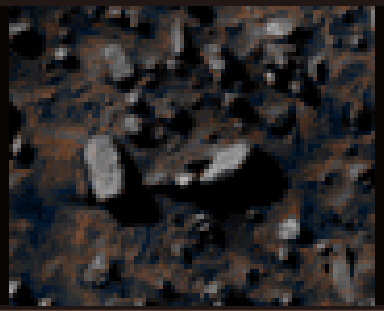
44 × 36 m / 144.4 × 118.1 ft

Mapped bookmark footprint

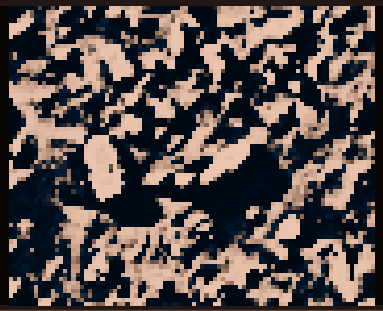
Source



Enhance



Relief



Edges



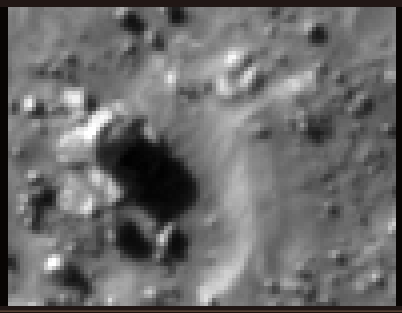
Area 30

x 5,435 y 20,670 / 97 × 75 native px

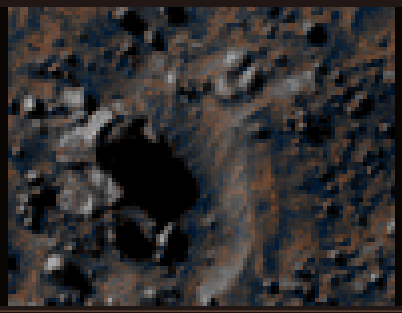
48.5 × 37.5 m / 159.1 × 123 ft

Mapped bookmark footprint

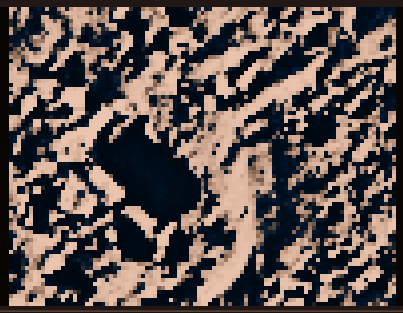
Source



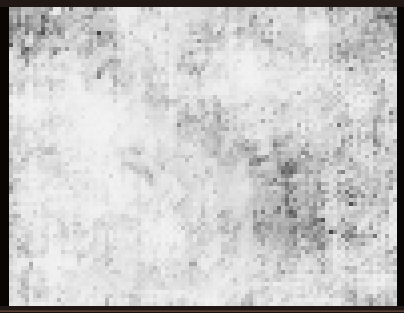
Enhance



Relief



Edges



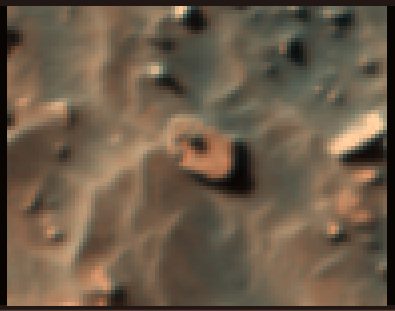
Area 31

x 6,161 y 13,555 / 95 × 75 native px

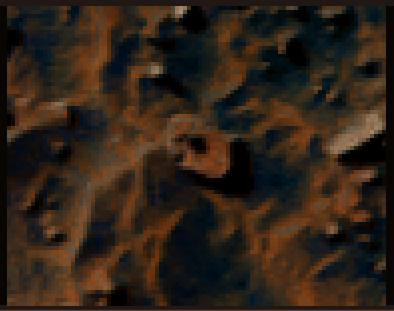
47.5 × 37.5 m / 155.8 × 123 ft

Mapped bookmark footprint

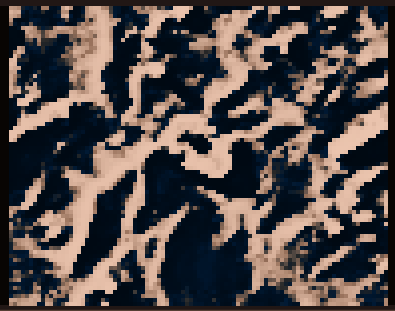
Source



Enhance



Relief



Edges



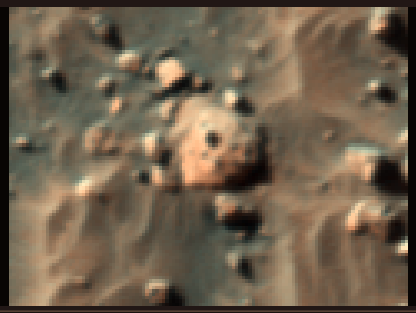
Area 32

x 6,340 y 10,378 / 120 × 90 native px

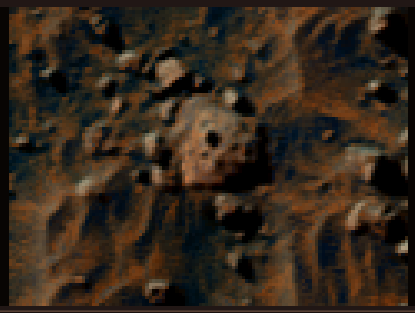
60 × 45 m / 196.9 × 147.6 ft

Mapped bookmark footprint

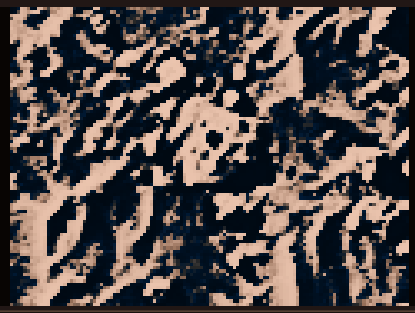
Source



Enhance



Relief



Edges



Area 33

x 9,517 y 2,354 / 91 × 79 native px

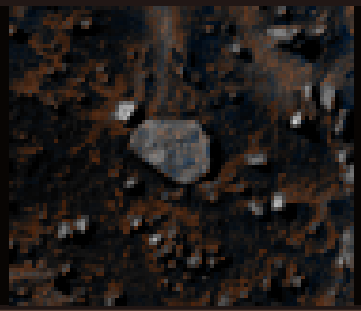
45.5 × 39.5 m / 149.3 × 129.6 ft

Mapped bookmark footprint

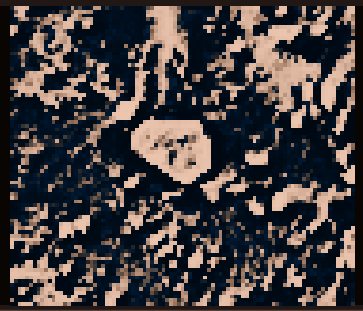
Source



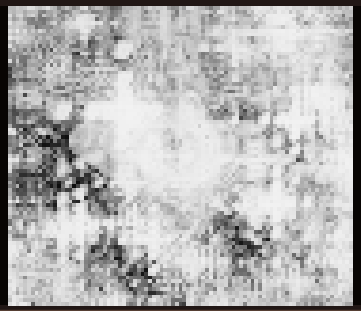
Enhance



Relief



Edges



Area 34

x 8,873 y 9,587 / 114 × 88 native px

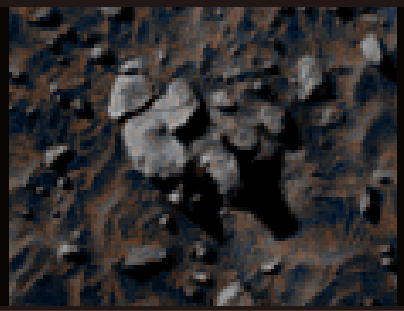
57 × 44 m / 187 × 144.4 ft

Mapped bookmark footprint

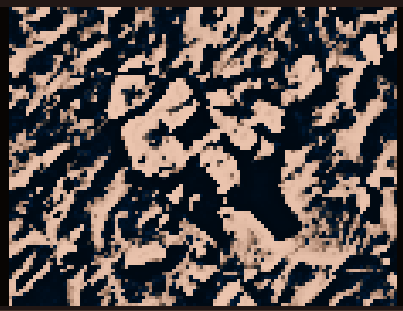
Source



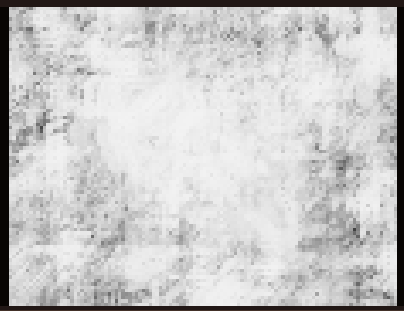
Enhance



Relief



Edges



Area 35

x 7,033 y 9,436 / 161 × 142 native px

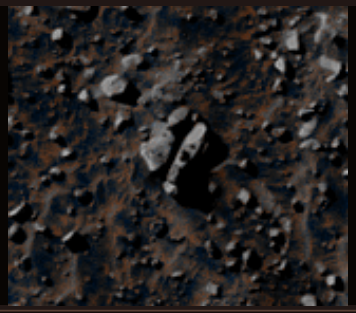
80.5 × 71 m / 264.1 × 232.9 ft

Mapped bookmark footprint

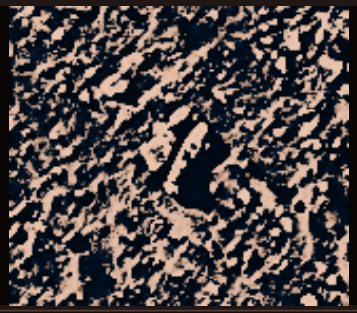
Source



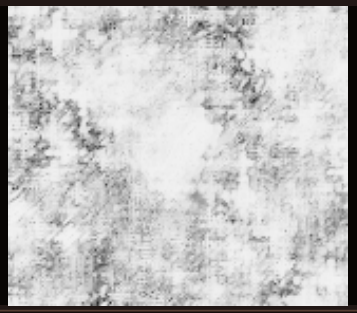
Enhance



Relief



Edges



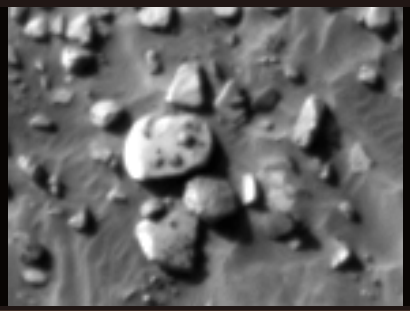
Area 36

x 9,002 y 10,511 / 145 × 110 native px

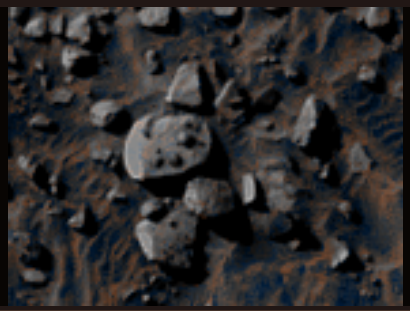
72.5 × 55 m / 237.9 × 180.4 ft

Mapped bookmark footprint

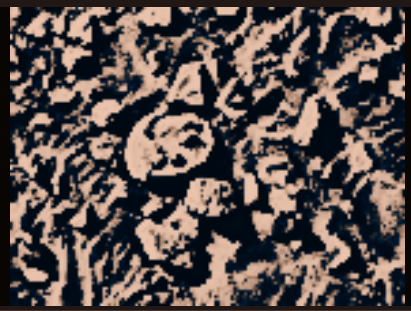
Source



Enhance



Relief



Edges



Area 37

x 9,783 y 16,316 / 94 × 63 native px

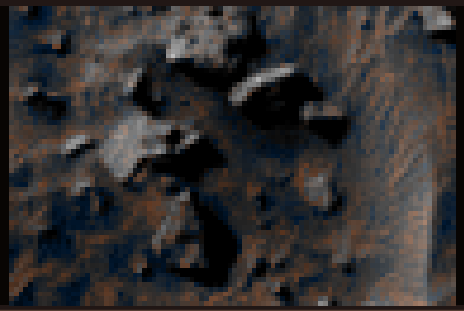
47 × 31.5 m / 154.2 × 103.3 ft

Mapped bookmark footprint

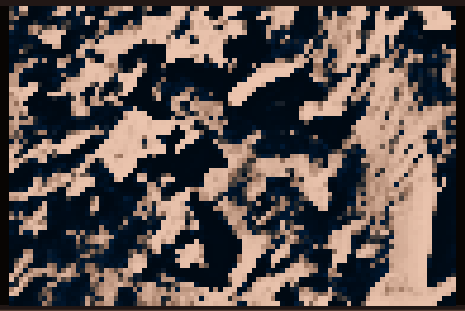
Source



Enhance



Relief



Edges



Area 38

x 9,784 y 16,490 / 120 × 105 native px

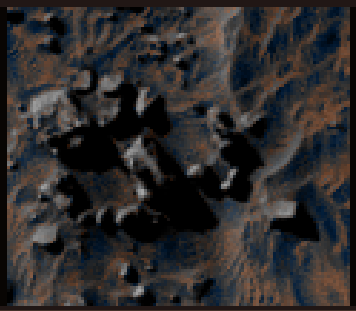
60 × 52.5 m / 196.9 × 172.2 ft

Mapped bookmark footprint

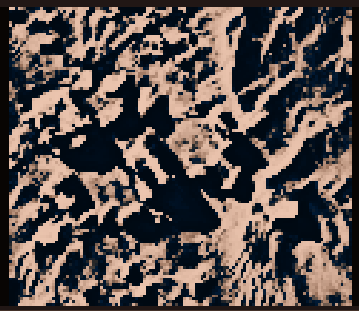
Source



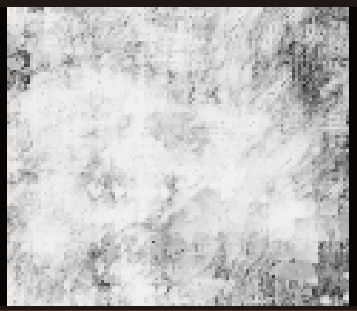
Enhance



Relief



Edges



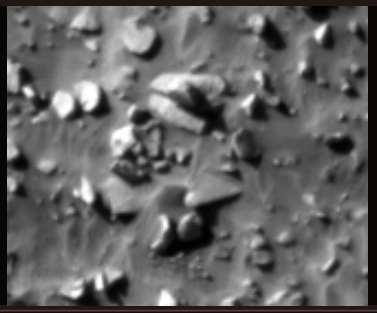
Area 39

x 10,466 y 20,124 / 164 × 136 native px

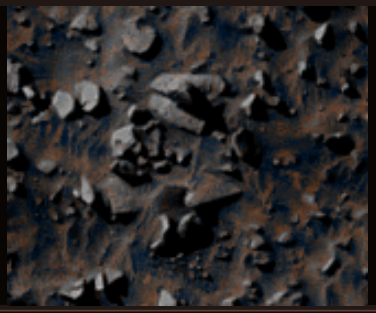
82 × 68 m / 269 × 223.1 ft

Mapped bookmark footprint

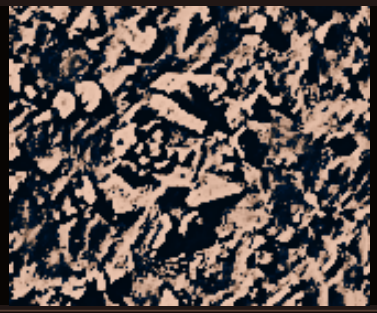
Source



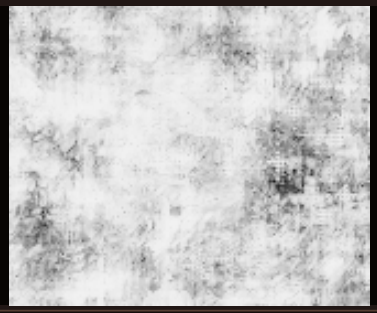
Enhance



Relief



Edges



Area 40

x 9,783 y 23,482 / 105 × 78 native px

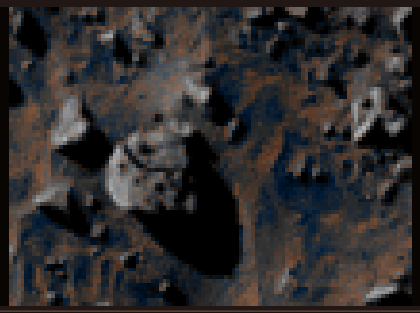
52.5 × 39 m / 172.2 × 128 ft

Mapped bookmark footprint

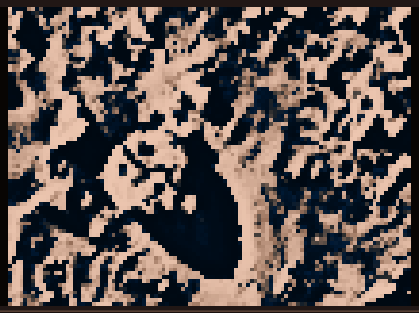
Source



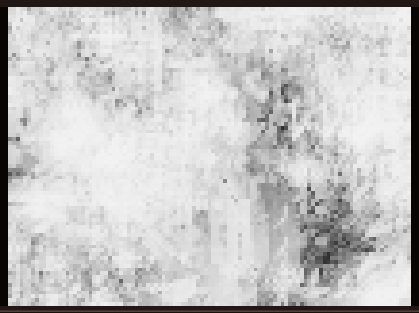
Enhance



Relief



Edges



Saved red flags

These are the original saved notes and source coordinates. The table names a bookmark when the stored point falls inside its native rectangle.

SAVED NOTE	X / NATIVE PX	Y / NATIVE PX	GRID (ROW, COL)	BOOKMARK
1	753.91	6,015.53	6, 1	Area 5
2	1,014.2	7,833.06	8, 1	
3	1,051.57	9,186.27	9, 1	
4, middle-bottom left corner	1,114.72	10,180.93	10, 2	
5	2,707.57	11,022.59	11, 3	
6	1,810.23	11,247.94	11, 2	
7	2,827.01	10,756.08	10, 3	
8	1,944.44	5,028.89	5, 2	
9	1,640.45	6,087.58	6, 2	
10	1,727.23	7,530.6	7, 2	
11	3,542.46	24,071.11	23, 4	
12	4,021.22	18,321.07	17, 4	
13	4,010.28	10,264.15	10, 4	
14	3,143	7,708.57	8, 3	
15	2,704.06	6,825.43	7, 3	
16	3,137.46	5,804.66	6, 3	
17	3,173.12	3,890.16	4, 3	
18	2,358.53	3,031.76	3, 3	
19	2,563.05	13,262.57	13, 3	

Saved red flags

These are the original saved notes and source coordinates. The table names a bookmark when the stored point falls inside its native rectangle.

SAVED NOTE	X / NATIVE PX	Y / NATIVE PX	GRID (ROW, COL)	BOOKMARK
20	4,194.52	9,683.93	9, 4	
21	3,750.54	7,973.93	8, 4	
22	5,226.29	11,103.3	11, 5	
23	4,812.29	20,005.74	19, 5	
24	5,594.72	20,742.18	20, 6	
25	6,391.05	13,518.2	13, 6	
26	6,212.25	10,582.19	10, 6	
27	8,935.6	3,099.7	3, 9	
28	9,031.83	9,609.09	9, 9	
29	6,752.66	9,550.98	9, 7	
30	9,144.64	10,645.43	10, 9	
31	10,749.39	16,731.94	16, 10	
32	10,443.23	20,427.44	19, 10	
33	9,928.86	23,547.25	22, 10	