



Whakaari / White Island Tragedy Commemorative Token.



Kiwibloke

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Summary

A token to commemorate the tragedy that occurred on Whakaari/White Island eruption on the 9th December 2019.



5.42 hrs



4 pcs



0.10 mm
0.15 mm



0.25 mm
0.40 mm



PLA



16 g



Prusa
MK3/S/S+

[Art & Design](#) > [Sculptures](#)

Tags: [white](#) [island](#) [volcano](#) [token](#) [keepsake](#) [tragedy](#)
[commemorative](#) [whakaari](#)

Why

December the 9th, 2022 is the three year anniversary of the tragedy at Whakaari/White Island and I wanted to do something to commemorate the victims of the eruption.

Volcanic Eruption

At 14:11 NZDT on 9th December 2019; Whakaari / White Island erupted taking 22 lives and severely injuring 25 others.

https://en.wikipedia.org/wiki/2019_Whakaari_-_White_Island_eruption

Koha/Donation

It would be repugnant to accept any benefit from this token. However, If you feel you must acknowledge this in some way. Consider giving a donation to the charity below. All proceeds go towards supporting the NZ-based victims (survivors and support workers) involved with the tragedy.

<https://www.easternbaycommunityfoundation.nz/funds/whakaari-fund>

Model Details

Data Source

The Whakaari/White Island topological data was sourced from <https://www.opentopography.org/> using the Shuttle Radar Topography Mission (SRTM) Global dataset.

Tools Used

Paint.Net; Inkscape; QGISDesktop, Fusion360, PrusaSlicer

Method

Relief data was selected and exported from OpenTopography.org and imported QGIS Desktop. A greyscale heightmap was generated and exported as a png. This png was tweaked in Paint.Net and then converted to a 3mf using <https://imagetostl.com/>

The raw topographic 3mf mesh was then combined with other metadata and artwork (converted to SVG using InkScape) to create the token which was exported as a final mesh (the 3mf files included with this model) into PrusaSlicer which was used to generate and tweak the final gcode (The gcode files included with this model).

Tips

The QR code version of the model is very tricky to print due to the low surface area portions of the first layer when filling in the QR code. You

must have your Z axis tuned very well and a very clean print bed. The magnet version is much more forgiving.

If you don't have a 0.25mm nozzle I have included gcode files for 0.4mm nozzles as well.

This would probably print really well on an resin based printer also.

Model files



whakaari-white-islandqr.3mf

☐ QR code



whakaari-white-islandmagnet.3mf

☐ Magnet space

Print files



whakaari-white-islandqr_025n_01mm_pla_mk3s_5h25m-mu... .gcode

⚙️ PLA ⚙️ 0.25 mm ⚙️ 0.10 mm ⌚ 5.42 hrs ⚖️ 16 g 🖨️ Prusa MK3/S/S+

☐ Colour changes and QR code



whakaari-white-islandmagnet_025n_01mm_pla_mk3s_5h11m .gcode

⚙️ PLA ⚙️ 0.25 mm ⚙️ 0.10 mm ⌚ 5.18 hrs ⚖️ 16 g 🖨️ Prusa MK3/S/S+

☐ Colour changes and Magnet space



whakaari-white-islandqr_04n_015mm_pla_mk3s_2h1m.gcode

⚙️ PLA ⚙️ 0.40 mm ⚙️ 0.15 mm ⌚ 2.01 hrs ⚖️ 18 g 🖨️ Prusa MK3/S/S+

☐ Colour changes and QR code (0.4mm nozzle)



whakaari-white-islandmagnet_040n_015mm_pla_mk3s_1h5... .gcode

⚙️ PLA ⚙️ 0.40 mm ⚙️ 0.15 mm ⌚ 1.93 hrs ⚖️ 18 g 🖨️ Prusa MK3/S/S+

☐ Colour changes and Magnet space (0.4mm nozzle)

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