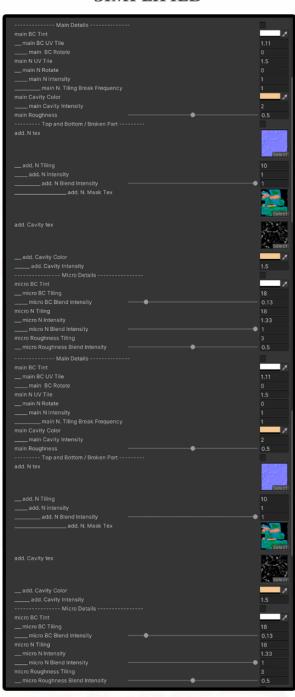
A QUICK ROCK SHADER BREAKDOWN AND SOME TIPS FOR OPTIMIZATION

In the project you're going to find 2 shader versions

SIMPLIFIED



Since the simplified shader / material is pretty straight-forward, I'll be talking about the guy on its right



COMPLEX



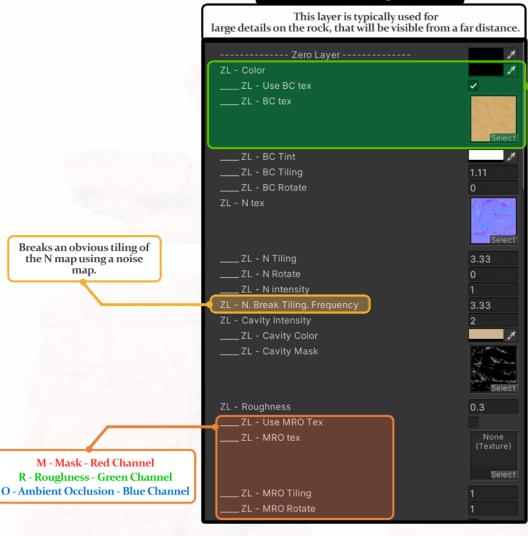
... and it goes further down below

Use this one if you're overall happy with the look of a rock and you are not going to change much. Additionally, it's more optimized and the properties have descriptive names.

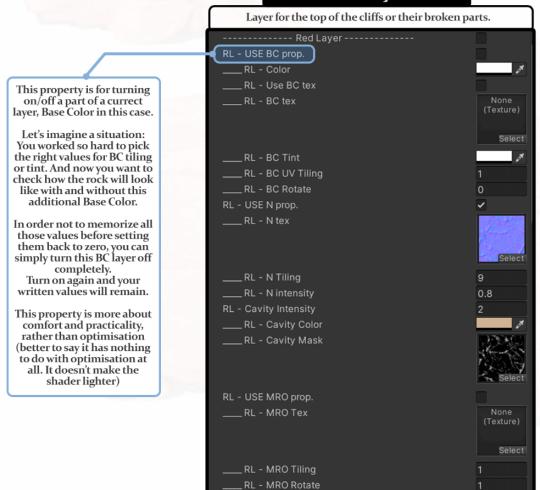
Use this one if you are keen on full freedom of tweaking and adjustments to your liking.

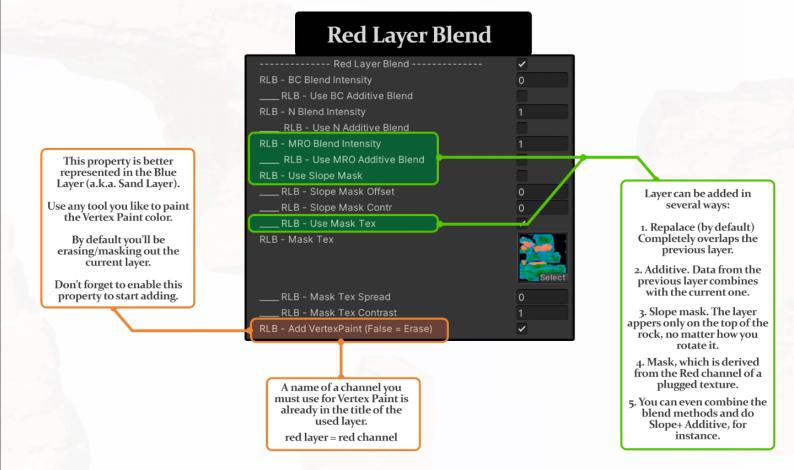
Zero Layer

When Use BC tex is off you are only able to change the color.



Red Layer





The rest of the layers resemble each other, therefore I won't go into too much detail.

Green Layer

- I commony used this layer for fine, micro details.

Blue Layer

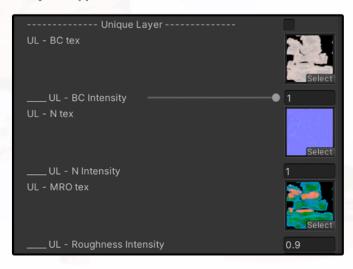
- a.k.a. sand layer.

Use a Blue Channel in the Mesh Paint tab and a ##_Vertex Paint by Add parameter to add or erase the sand.

Unique Layer

there's not many things for you to change.
 Increase or decrease the intensity of the textures for different rock look.

Optionally you can enable AO (derived from the blue channel of the MRO tex)



Final Touches

- tweak some properties for final touch after all the changes to the layers you did before it.

Desaturate the whole rock with BC Saturation or add AO to the base color for some artistic purposes.



Last section

- Scroll down, to the very bottom of the material to reach some useful optimisation ticks.

If you don't use a certin layer completely (not if you don't use BC, but N is in use), diable it entirely with these options.

It's going to be a great boost to the performace.



OPTIMIZATION. QUICK TIPS

- As mentioned in the previous chapters, it's a good practice to turn off the layers completely if they are in no use.



- Since I used 4096x4096 textures almost everywhere (however, in the project they are already downaised to 2048x2048), you can donwsize them even more to win some extra fps for your scene.

The one texture I'd be aware of is T_clouds_noise, used to break the tiling. Because reducing the size of this map can create the following waves.

