

Measuring Water Quality



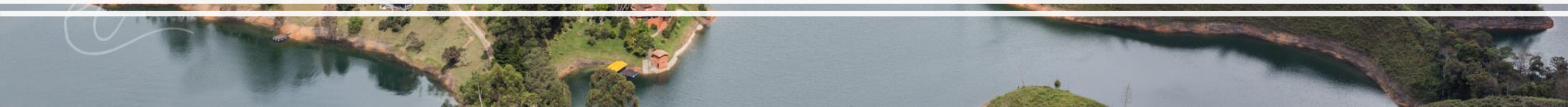
Río Cauca

What are we doing when we measure water quality? What do we want to know?





What could change water quality?





Río Medellín

Why is it
important to
investigate
water quality?

Conductivity

Measures the ability of water to pass an electrical current.

Conductivity tells us about how much has been dissolved into the water, including healthy minerals or unsafe pollutants.





Dirty Water

Lots of chemicals dissolved into the water

Can pass an electrical current quickly

Higher conductivity value



Pure Water

No added chemicals dissolved in the water

Passes an electrical current slower

Lower conductivity value

References

Slide 1 - <https://www.britannica.com/place/Cauca-River>

Slide 2 –
https://www.saddlespace.org/whittakerm/science/cms_page/view/7795265

<https://www.azocleantech.com/article.aspx?ArticleID=1201>

Slide 3-
<http://esmecadientephotography.com/nomad/anti-oquia>

Slide 4 –
<https://nomadicniko.com/2019/12/27/medellin-river-parks/>

Slide 5 –

https://www.aliexpress.com/item/32707820074.html?aff_fcid=a0c102de8025405a956457592226c675-1621363198179-09831-_pz2ySgu&tt=API&aff_fsk=_pz2ySgu&af=cerstyle&aff_platform=api-new-link-generate&sk=_pz2ySgu&aff_trace_key=a0c102de8025405a956457592226c675-1621363198179-09831-_pz2ySgu&cn=www.google.com&dp=1621363197&terminal_id=bc346e6cdf144471b0c512328c7acf36&tmLog=new_Detail

Slide 6 –

<http://guestdietblog.com/2012/10/the-importance-of-fresh-clean-water/>

https://siouxcityjournal.com/glass-of-dirty-water/image_914a45a7-17bb-5508-af66-08853aa5a30e.html