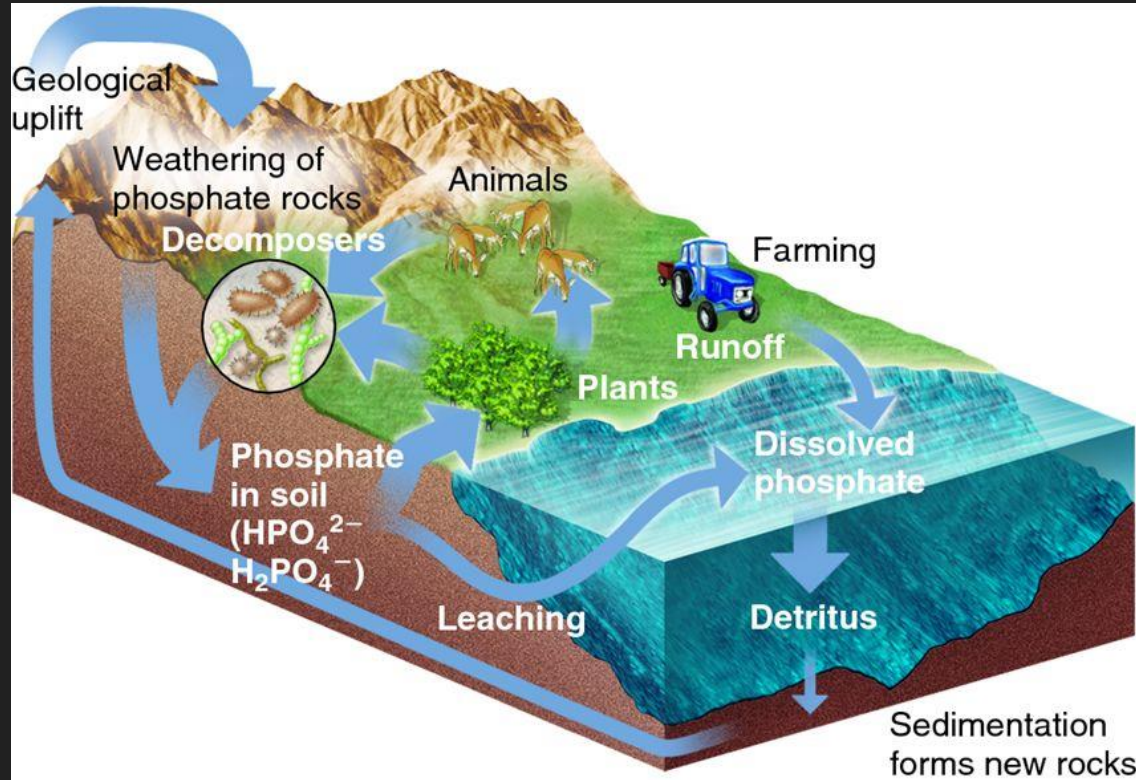


Comparison of Temperate vs Tropical Total Phosphorus: Total Suspended Solid Ratios

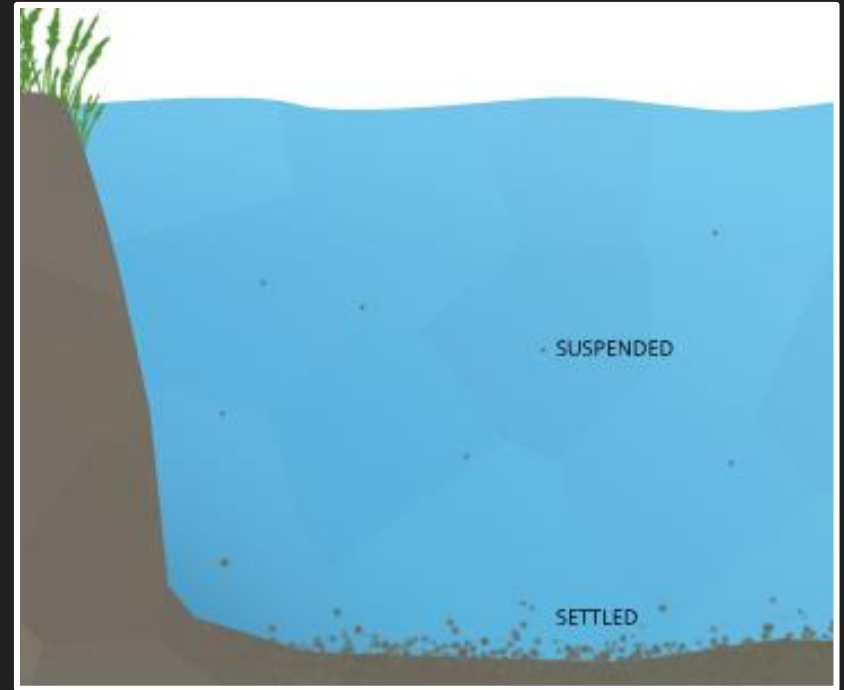
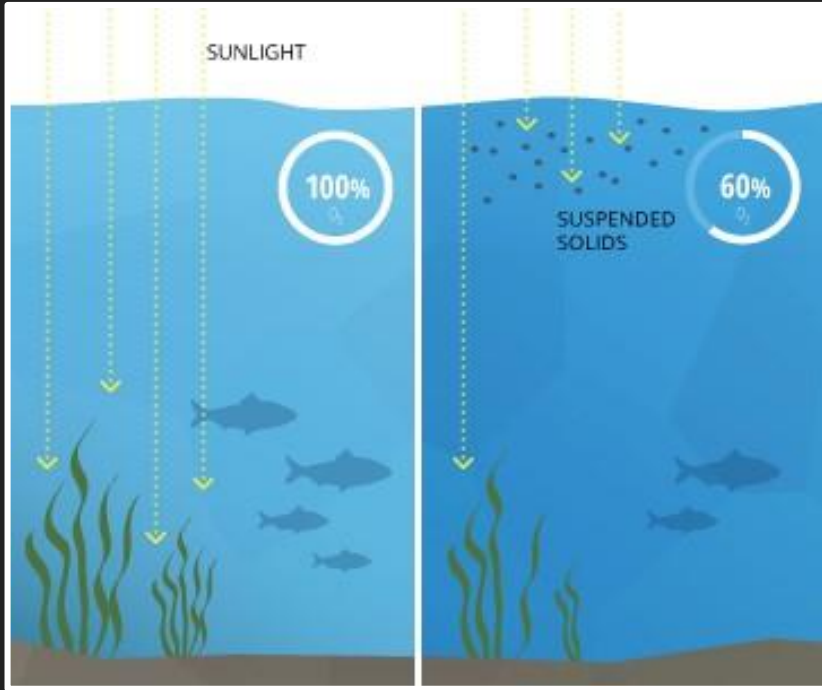
Presentation by Krisha Sachdev and Katherine Slawinski
Rutland High School



Total phosphorus? How does it end up in our water?



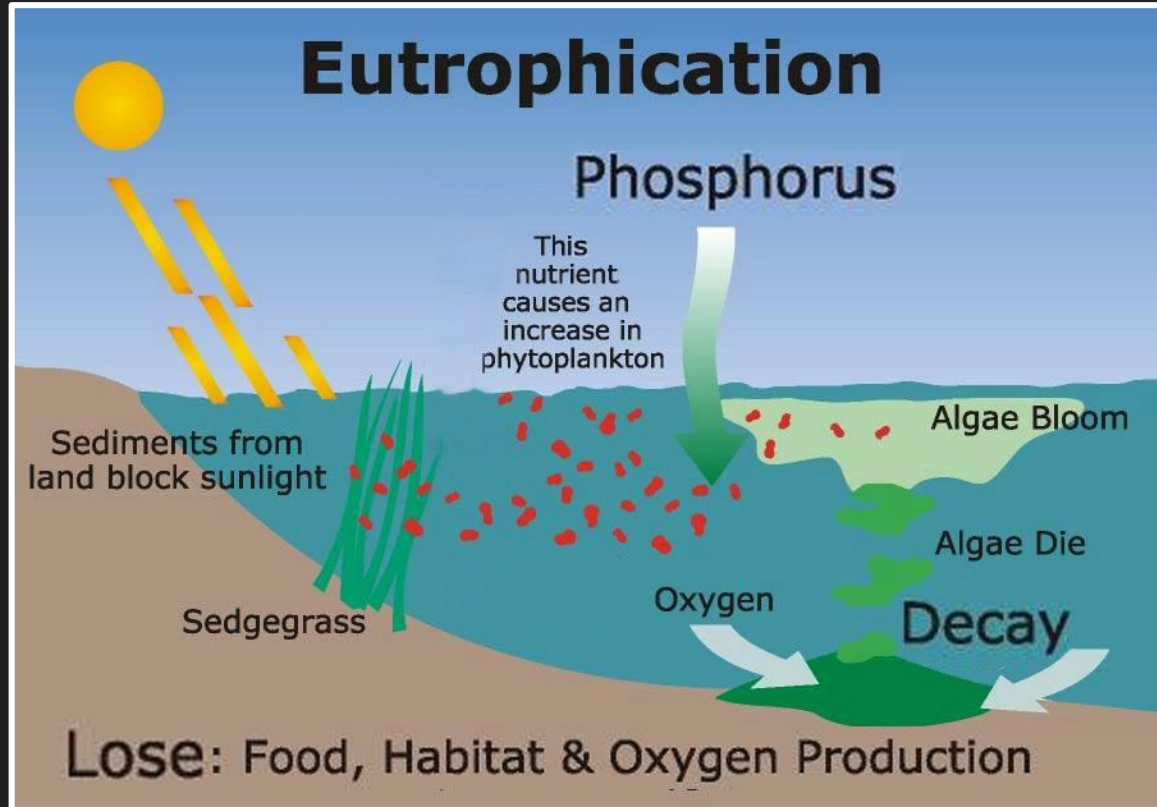
What are Total Suspended Solids (TSS)



What can TSS affect?



How can TP affect TSS

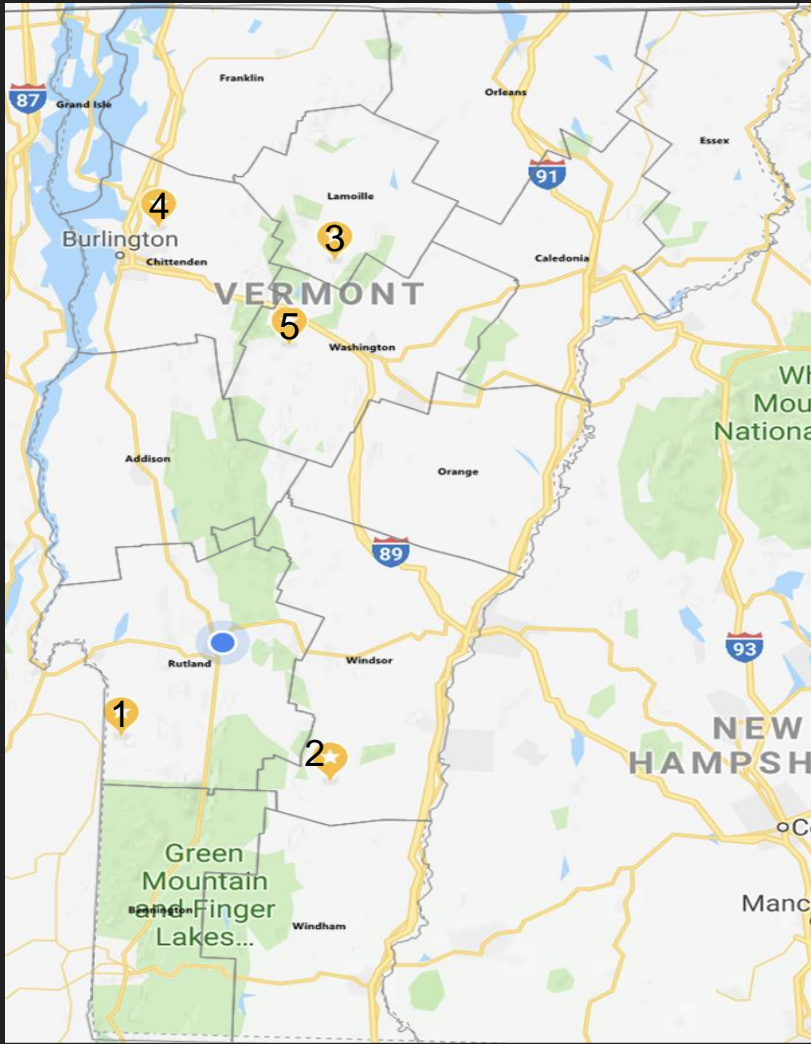


VT and PR



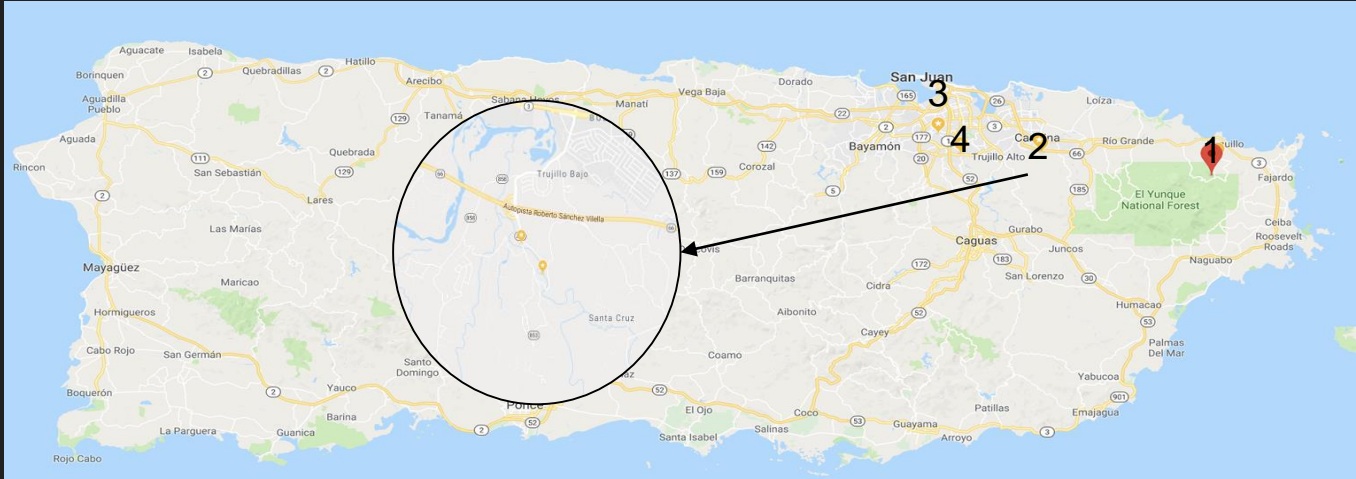
https://en.wikipedia.org/wiki/North_America

VT Rivers (temperate)



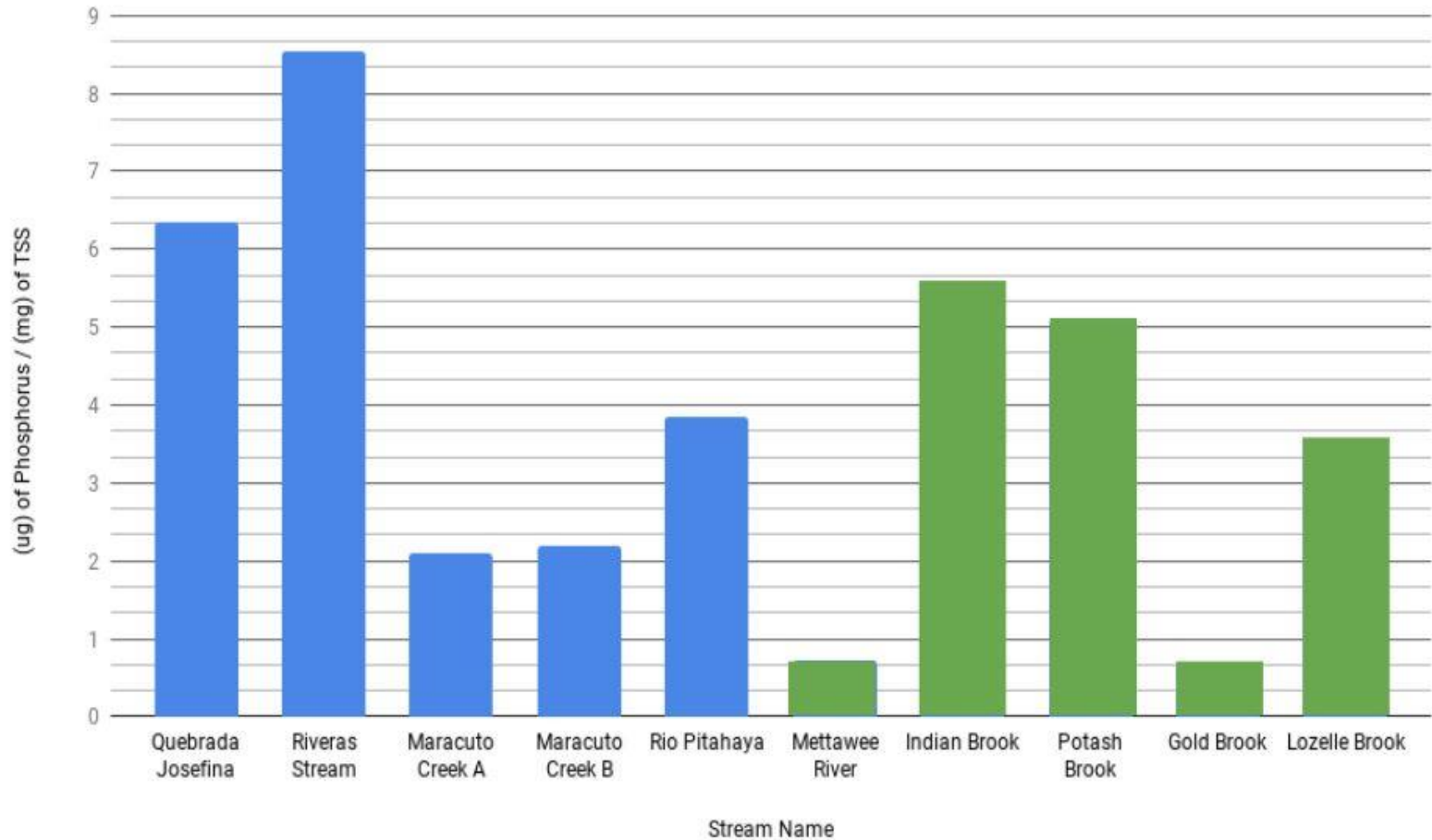
1. Mettawee River
2. Potash Brook
3. Gold Brook
4. Indian Brook
5. Lozelle Brook

Puerto Rico Rivers (Tropical)



1. Rio Pitahaya
2. Maracuto Creek (A and B)
3. Quebrada Josephina
4. Riveras Stream

Comparison of Temperate vs Tropical Total Phosphorus: Total Suspended Solid Ratios



TSS (mg/L)

Vermont (shown in green)

Puerto Rico (shown in blue)

Lozelle Brook

2.2%

Gold Brook

1.2%

Potash Brook

3.7%

Indian Brook

4.5%

Mettawee River

5.1%

Rio Pitahaya

4.7%

Maracuto Creek B

27.1%

Quebrada Josefina

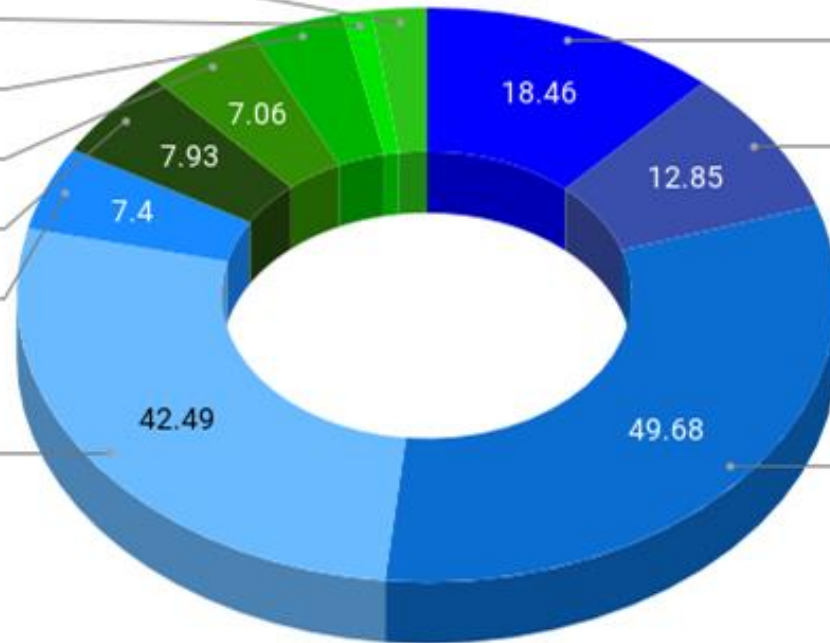
11.8%

Riveras Stream

8.2%

Maracuto Creek A

31.7%



Phosphorus (ug/L)

Vermont (shown in green) Puerto Rico (shown in blue)

Lozelle Brook

2.2%

Gold Brook

0.2%

Potash Brook

5.4%

Indian Brook

7.2%

Mettawee River

1.1%

Rio Pitahaya

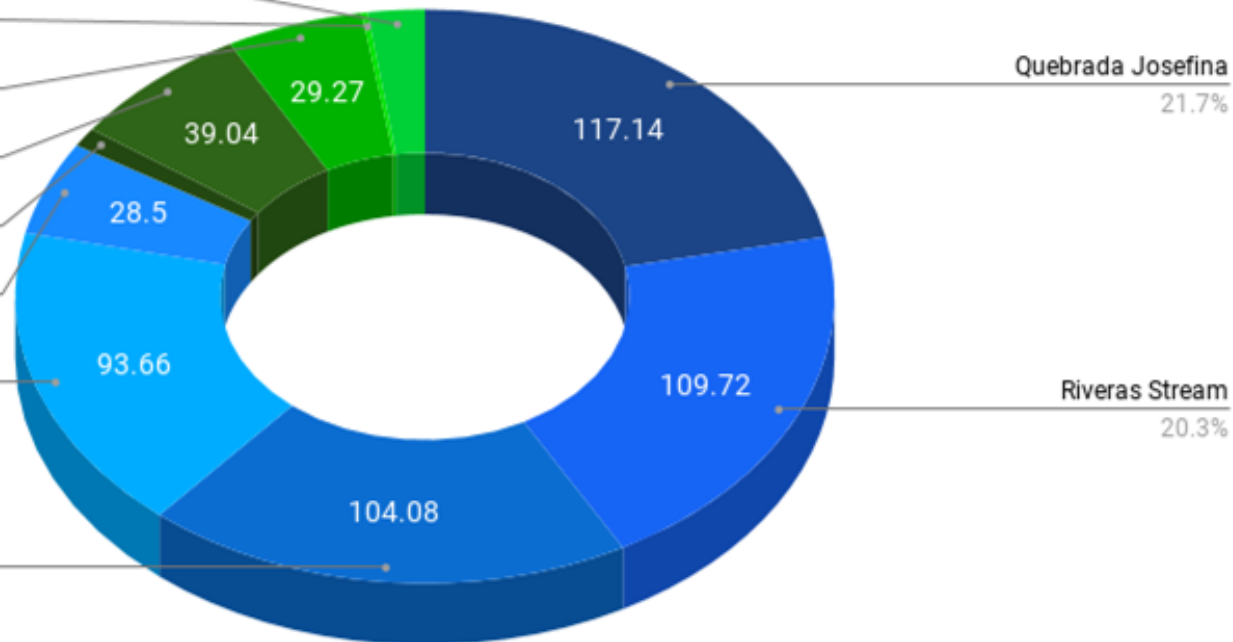
5.3%

Maracuto Creek B

17.3%

Maracuto Creek A

19.3%



Comparison of Temperate vs Tropical Total Phosphorus: Total Suspended Solid Ratios

Vermont (shown in shades of Green)

Puerto Rico (shown in shades of Blue)

Lozelle Brook

9.2%

Gold Brook

1.8%

Potash Brook

13.1%

Indian Brook

14.3%

Mettawee River

1.9%

Rio Pitahaya

10.0%

Quebrada Josefina

16.4%

Riveras Stream

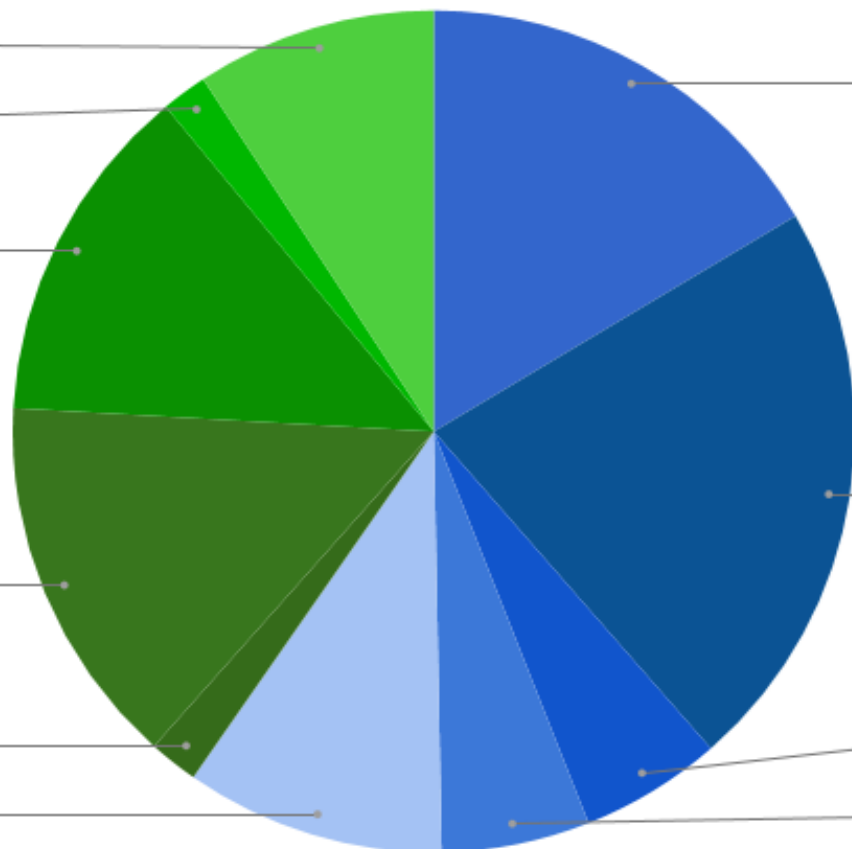
22.1%

Maracuto Creek A

5.4%

Maracuto Creek B

5.7%



EPSCOOP

How has it benefited us?







Thanks for Watching!