

Jules invited Milo in and offered him a little snack. She knew she had a map of Spokane somewhere and ran to find it. When they opened it together, Milo pointed to the street name that he saw in the area where Lily disappeared.

Jules recognized it. She said she knew exactly where it was it was, close to the TJ Meenach Bridge.

The three of them started to hatch a plan.



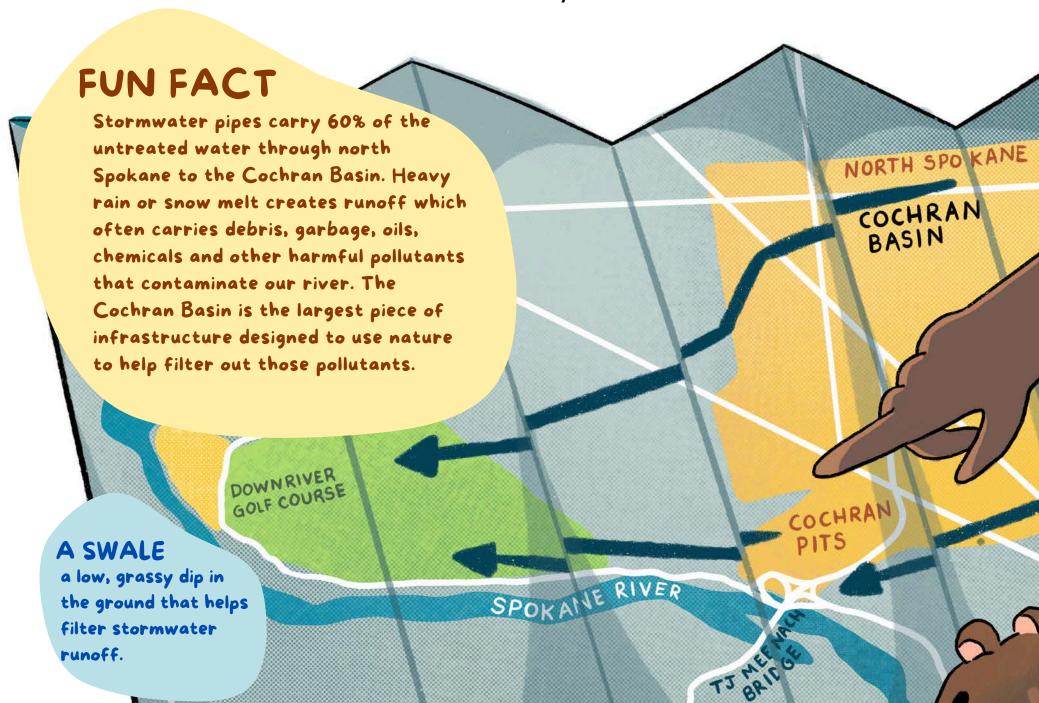


We should definitely start where you last saw Lily. Maybe she is still in the catch basin. Then, Jules and I can help you get her out. I know that these pipes all lead to the river. So, hopefully she didn't wash further down.

Milo agreed to the plan. He was so glad that Oliver and Jules were willing to help.

LET'S LOOK AT JULES' MAP

Some of the water form North Spokane finds it way into the system, down the pipes and gets redirected into several different swales as a way to filter it before it reaches the river.



LET'S TALK ABOUT SWALES

There are thousands of swales in the Spokane area that are hiding in plain sight!

Our beautiful city Spokane has a very close relationship with the Spokane River, which runs right through its heart. Us humans produce all kinds of pollutants every day from our cars, litter and anything else getting introduced to the environment that doesn't belong. When it rains, it's easy for those things to get washed into our water ways. So, we need to work hard to come up with ways to protect our river water from those pollutants,. One of the big ways we do that, is with swales.

Swales capture water in green spaces, but they are not as simple as you might think! There is a carefully thought out system underneath all the beautiful native plants for the grass filter

PONDING

TOPSOIL

Fully soak into the ground

Fabric Filter

MULCH

In order for swales to work the right way, they need the right kind of soil. A lot of work and engineering goes into the layers that make up a swale so that they filter pollutants correctly and at the proper rate.

Swales not only help filter pollutants, but they help keep water from flooding streets and neighborhoods.

Just because a swale does its part doesn't mean its not for all of us to keep our streets clean!

What have you learned? Why are swales important?











The stormwater pipes seemed to go on for ages, but they soon found themselves in a much larger tunnel with maintenance holes lining the top. It was big enough for a grown adult to stand up in! This must be the COCHRAN FLOW CONTROL VAULT. According to Jules map, the water flowed to multiple places from here. How would they know which way to go?

The holding tank was huge, but shining a light to the other side, Milo could see a small green frog huddled and crying in the corner. The marmot didn't waste another moment, he ran over to give his friend a big hug.





