



Flood damage and progress of repairs
Part IX
01 December 2023





DONKERKLOOF

- 1) Kallie designed a new plan to get Donkerkloof water from further downstream, thus reducing our pipeline and costs. *Photos: Kallie Laubscher*
- 2) Kallie, Richard and team laid the new pipes. Here the guys are lubricating the pipes to connect them. *Photos: Richard Knipe*
- 3) Mitchell, Charlie, Jerome and Jannie laying the new pipe. *Photo: Richard Knipe*



DONKERKLOOF

Now the water runs even more strongly than it did before, which means we improve the water quality. *Photos: Hugh Davies / Richard Knipe*

The salinity levels as tested by CBR water are currently (in mS):

Keisie:	151 (brak)
Donkerkloof:	17 (sweet)
Mixed:	123 (brak)

CBR considers 30-40 to be acceptable as sweet.

If we can increase the volume from Dkloof then we can further reduce the salinity.



INKEERGAT

- 1) NS Staal in Robertson manufactured us three new deksels (covers) for the inkeergat. Richard painted them, and his team installed them. They are now anchored to the concrete, so we hope they will not wash away or be stolen. They each weigh about 70 kg, so it won't be easy to budge them! *Photo: Richard Knipe*
- 2) Labson & his team cleared a river channel further so that flow into the inkeergat is optimised. *Photo: Kallie Laubscher*
- 3) Temporary weir built to increase flow into inkeergat. *Photo: Kallie Laubscher*
- 4) Inkeergat with new covers installed! *Photo: Richard Knipe*



THANKS

A lot of people contributed to the repairs to our infrastructure and we are extremely grateful to you all.

Leiwater Committee & members

- Kallie Laubscher and Richard Knipe oversaw all the cleaning and repairs to our source pipes and canals all the way from Lovers Walk to the sources in the Keisie River and Donkerkloof. Richard painted and transported the new inkeergat covers, cleared sand from the canal with a scraper, and transported lots of pipe. Kallie has made several plugs for the outlet at Lovers Walk, and chicken wire enclosures for pipes. He also designed a new system for Donkerkloof so that we can take water from further down the stream which greatly reduces the amount of pipe we have to lay.
- Hugh Davies collected water samples and got them analysed by CBR Water and Bemlab for salinity and sewage contamination tests.
- To all our members for paying their fees timeously which has allowed us to cover all the costs. Thank you also for your understanding and co-operation while the system was closed.

Contractors

- Jason and his team cleared tons of sand from the canal with shovels.
- James Stellenberg and team rebuilt sections of the canal wall.
- Labson and team cleared a channel in the river and helped rebuild the Donkerkloof channel.
- Jerome Simonis lent us his Kubota to clear sand from the canal. A guy from the Municipality operated it.
- Jannie, Mitchell, Jerome and Charlie cleared sand, dug trenches, cleared the inkeergat and relaid pipes in Joubert Park and Donkerkloof.
- Wynland Plant Hire provided an excavator to dig the trench for the Montagu West pipe.
- NS Staal manufactured three new covers and flat bars for the inkeergat.
- Wynland Besproeiing and Build It supplied the wherewithal to replace and repair infrastructure.

We can recommend the services of all our contractors!

A decorative graphic at the bottom of the page shows a splash of green-tinted water with numerous bubbles, extending across the width of the page.



We have a dorp, community and leiwater system we can be proud of!

Photo: Hugh Davies