

## Inge Erasmus

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**From:** Alana Duffell-Canham <aduffell-canham@capenature.co.za>  
**Sent:** Friday, 06 July 2018 2:51 PM  
**To:** Inge Erasmus  
**Subject:** RE: NUWE UITKEER EN PYP IN WABOOMSRIVIER : Quote for fish study in the Snel river

Dear Inge

I am satisfied with Dean's findings and recommendations. His email may be included as official CapeNature comment as an addendum to my original comments rather than amending the original letter.

Kind regards,  
Alana

**Alana Duffell-Canham**  
Scientist: Land-use & Conservation Planning



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**From:** Inge Erasmus <[inge@enviroafrica.co.za](mailto:inge@enviroafrica.co.za)>  
**Sent:** 06 July 2018 14:13 PM  
**To:** 'Alana Duffell-Canham' <[aduffell-canham@capenature.co.za](mailto:aduffell-canham@capenature.co.za)>  
**Subject:** FW: NUWE UITKEER EN PYP IN WABOOMSRIVIER : Quote for fish study in the Snel river

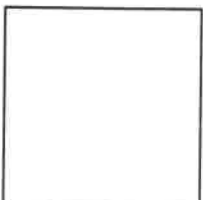
Dear Alana

I refer to Dean Impson's email below and well as your comments (attached) dated 2017-11-22.

Do you agree with Dean's comment that a fish study will not be necessary? If so would it be possible to amend your original comment?

Kind regard  
Inge

Inge Erasmus



*Environmental Consultant*

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**From:** Dean Impson <[dimpson@capenature.co.za](mailto:dimpson@capenature.co.za)>

**Sent:** Thursday, 05 July 2018 11:01 AM

**To:** Inge Erasmus <[inge@enviroafrica.co.za](mailto:inge@enviroafrica.co.za)>

**Subject:** FW: NUWE UITKEER EN PYP IN WABOOMSRIVIER : Quote for fish study in the Snel river

Hi Inge

Please see email below. I suggest you / Bernard discuss it with Rudolph Roscher when he gets back from leave.

Cheers

Dean

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**From:** Dean Impson [<mailto:dimpson@capenature.co.za>]

**Sent:** 04 July 2018 15:10 PM

**To:** 'Roscher, Rudolph' <[RudolphR@elsenburg.com](mailto:RudolphR@elsenburg.com)>; Alana Duffell-Canham <[aduffell-canham@capenature.co.za](mailto:aduffell-canham@capenature.co.za)>;  
Jeanne Gouws <[jgouws@capenature.co.za](mailto:jgouws@capenature.co.za)>

**Subject:** RE: NUWE UITKEER EN PYP IN WABOOMSRIVIER : Quote for fish study in the Snel river

Hi all

After a long wait (thanks for the patience Rudolph), I visited the site yesterday with one of the land-owners Angelo Poggiolini.

I discussed the issues with Jeanne Gouws today and my recommendations are:

1. The site for weir is acceptable and the proposed abstraction from it is acceptable provided that 20% of the dry season flow is allowed to pass the weir **at all times** in a structure that cannot be blocked by the farmers in an attempt to get more water. This is to provide some instream aquatic habitat downstream of the proposed weir and to allow the riparian zone to survive during low flow periods. The remaining dry season flow can be used by the irrigators as per the agreements reached. The reason for the 20% to remain in the river is because it is in a C category downstream of the abstraction. If the river was pristine and contained threatened fauna / flora, a higher percentage of the dry season base flow would be needed for the river.
2. According to Mr Poggiolini, the proposed pipeline will be built outside of the river channel next to the gravel road. This is supported. It makes no sense to build it in the river channel, for a variety of reasons.
3. It is noted that the catchment of the river, river channel and watercourses feeding the river are infested with invasive plants (long leafed wattle, black wattle, bramble, pines). It makes no sense to leave these areas in such a state if water generation from the catchment is a primary objective, which obviously it is. It doesn't make sense for irrigators to build expensive structures to secure more summer water if catchments above the structures remain or become highly invaded. All watercourses (10m buffer) should be free of invasive plants within 5 years, with the long term goal of having this beautiful area free of invasive plants so that fynbos catchments and natural riparian zones can fulfil their water generation function. A condition of this development should be that water users of the catchment pay R100 000 per year (each user contributes a percentage according to water abstracted) to enable 2-3 trained staff to be appointed to control invasive vegetation in the catchment according to best practice. Rudolph, you are best placed to assist with guidelines and if you have funding maybe you can assist by matching local land-owner funding?
4. A fish survey is not needed, as there is little fish habitat below the proposed weir area in the dry season because of the degraded habitat and existing abstraction.

5. Jeanne and I expressed our concern about land-owners wanting to source water higher and higher up catchments. As we all know the middle and lower reaches of many tributaries in heavily farmed areas are degraded with little sensitive biodiversity remaining. The key areas are the upper catchments, many of which are now Freshwater Ecosystem Priority Areas, because of the threatened endemic species that contain. These need to be secured through sound land-use strategies.

Regards  
Dean

**From:** Roscher, Rudolph [<mailto:RudolphR@elsenburg.com>]

**Sent:** 09 March 2018 12:31 PM

**To:** Alana Duffell-Canham ([aduffell-canham@capenature.co.za](mailto:aduffell-canham@capenature.co.za)) <[aduffell-canham@capenature.co.za](mailto:aduffell-canham@capenature.co.za)>; Jeanne Gouws ([jgouws@capenature.co.za](mailto:jgouws@capenature.co.za)) <[jgouws@capenature.co.za](mailto:jgouws@capenature.co.za)>; [dimpson@capenature.co.za](mailto:dimpson@capenature.co.za)

**Subject:** FW: NUWE UITKEER EN PYP IN WABOOMSRIVIER : Quote for fish study in the Snel river

Hi partners

The farmers are struggling to get around this required fish study and asked my help to intervene. I understand your request but is there any way that they could be accommodated since the river at the location of the weir is so degraded. Is it not possible for Jeanne or Dean to give your professional input and save this cost for the farmers so they could rather use this money to clear the aliens in the catchment.

My apologies for treading on areas that I have no specialist knowledge of but I had to ask. Most of these farmers are already struggling with the drought as it is and the wine industry is not in a healthy state. If there is any possibility you can assist it would be much appreciated.

Regards

Rudolph Röscher  
LandCare Manager : Cape Winelands District  
Program: Sustainable Resource Management  
Western Cape Department of Agriculture  
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Provincial website : [www.westerncape.gov.za](http://www.westerncape.gov.za)



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**From:** Douglas van Niekerk [<mailto:lekkerwater@webafrica.org.za>]

**Sent:** Wednesday, March 07, 2018 8:46 AM

**To:** 'Roscher, Rudolph'

**Subject:** NUWE UITKEER EN PYP IN WABOOMSRIVIER : Quote for fish study in the Snel river

MY BROER

My lede wil stuipe kry dat ons nou dalk 'n sak vol geld met betaal vir 'n visstudie op 'n dooie rivier omdat Cape Nature van Jonkershoek volgens Intaba glo dit vereis. Kan jy nie dalk die ding vir ons ontkom deur jou kontak met Cape Nature nie?

Douglas

*W D van Niekerk*  
*SEKRETARIS*  
*DARLINGBRUG-WAGENBOOMSRIVIER*  
*BESPROEINGSRADE/IRRIGATION BOARDS*  
*POSBUS 6*  
*TULBAGH 6820*  
*Faks 0866 988 097*  
*EPOS [lekkerwater@webafrica.org.za](mailto:lekkerwater@webafrica.org.za)*

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**From:** Inge Erasmus [<mailto:inge@enviroafrica.co.za>]  
**Sent:** Wednesday, March 07, 2018 8:18 AM  
**To:** 'Douglas van Niekerk'  
**Cc:** [lizbe@sbri.co.za](mailto:lizbe@sbri.co.za)  
**Subject:** FW: Quote for fish study in the Snel river

Beste Oom Douglas

Sien ook asb die aanghegte vis studie kwotasie vanaf Dr Bruce Paxton asook kommentaar vanaf Cape Nature wat aanbeveel dat n vis studie gedoen moet word.

Ek wil weet of ek vir Dr Paxton die 'go-ahead' kan gee sodat hy solank die studie kan gaan doen?

Groete  
Inge

Inge Erasmus



*Environmental Consultant*

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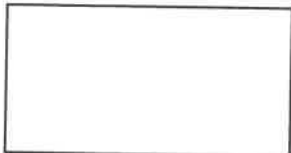
**From:** Inge Erasmus [<mailto:inge@enviroafrica.co.za>]  
**Sent:** Wednesday, 14 February 2018 4:29 PM  
**To:** 'lizbe@sbri.co.za' <[lizbe@sbri.co.za](mailto:lizbe@sbri.co.za)>; 'Douglas van Niekerk' <[lekkerwater@webafrica.org.za](mailto:lekkerwater@webafrica.org.za)>  
**Subject:** FW: Quote for fish study in the Snel river

Liewe Lizbe en oom Douglas

Sien asb die kwotasie vanaf die vaswater vis spesialis, Dr Bruce Paxton, soos Cape Nature aanbeveel het.

Groete  
Inge

Inge Erasmus



*Environmental Consultant*

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**From:** Bruce Paxton [<mailto:bruce@frcsa.org.za>]  
**Sent:** Tuesday, 09 January 2018 1:08 PM  
**To:** Inge Erasmus <[inge@enviroafrica.co.za](mailto:inge@enviroafrica.co.za)>  
**Subject:** Re: Quote for fish study in the Snel river

Dear Inge,

Please find my quotation for the Snel River attached. Note that CapeNature recommends a detailed assessment of the Ecological Water Requirements. You will need to clarify with them what they mean by detailed. I doubt they mean a comprehensive reserve determination, but you would certainly need to include the flows recommended by the Breede-Gouritz Reserve Determination study. The attached quote doesn't include any input with regards to the EWR - you will need to establish the scope of specialist input to such a study. Hope this suites.

Kind regards,  
Bruce



**Dr Bruce Paxton (Pr. Sci. Nat.)**

Freshwater Research Centre

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On Tue, Jan 9, 2018 at 9:52 AM, Inge Erasmus <[inge@enviroafrica.co.za](mailto:inge@enviroafrica.co.za)> wrote: