

From: [Hilary Lennox](#)
To: [Natasha Pritchard](#)
Subject: FW: FW: Onslow supplementary information.
Date: Monday, 9 April 2018 12:13:28 p.m.
Attachments: [STARK.DOC](#)

Hi Natasha

PEL have manager to find one of those reports electronically (attached) and we're still hunting down the last one (Stark J and Strickland R,1997. Assessment of Impacts ...hydro and irrigation schemes on the Teviot River Catchment)

Cheers

Hilary

From: Tony Jack <tony.jack@pioneerenergy.co.nz>
Sent: Monday, 9 April 2018 11:23 AM
To: Hilary Lennox <Hilary@landpro.co.nz>
Cc: Ross Dungey <Ross.d.consult@gmail.com>
Subject: Re: FW: Onslow supplementary information.

Stark & Hayes 1997 attached

Tony Jack

Development Engineer
11 Ellis Street, Alexandra, PO Box 275
Alexandra 9304, New Zealand
P: +64 3 440 0801
F: +64 3 448 9439
M: +6427 733 2555
W: www.pioneerenergy.co.nz



On 5 April 2018 at 13:22, Hilary Lennox <Hilary@landpro.co.nz> wrote:

Hi Ross

Thanks for the attached info, which I have sent to ORC for consideration – just waiting to hear back from them.

Can you please also send through copies of the following reports:

- Stark J 1993, Cawthron report 229, A survey of macroinvertebrates in seventeen South Island lakes.
- Stark J and J Hayes 1997; Cawthron report 389, Freshwater biological assessment of environmental effects for the proposed Central Electric Ltd Horseshoe bend hydroelectric

scheme on the Teviot River.

- Stark J and Strickland R,1997. Assessment of Impacts ...hydro and irrigation schemes on the Teviot River Catchment. Cawthron report 401, for Central electric

Thanks

Hilary

From: Tony Jack <tony.jack@pioneerenergy.co.nz>

Sent: Thursday, 22 March 2018 12:39 PM

To: Hilary Lennox <Hilary@landpro.co.nz>

Subject: Fwd: Onslow supplementary information.

----- Forwarded message -----

From: Ross Dungey <ross.d.consult@gmail.com>

Date: Thu, 22 Mar 2018 at 11:59 AM

Subject: Onslow supplementary information.

To: Tony Jack <tony.jack@pioneerenergy.co.nz>

Hi Tony, report attached, I hope this answers the questions. It seems to be a small variation and therefore with few detectable affects other than the positive to the Teviot River. But the whole scheme currently seems to operate well with few discernible adverse effects so there is little to moderate even with late season increased flows. Rainfall seems likely to limit your opportunity to utilise the advantage the increased draw down may give.

Regards

Ross

--

Tony Jack

Development Engineer

11 Ellis Street, Alexandra, PO Box 275

Alexandra 9304, New Zealand

P: +64 3 440 0801

F: +64 3 448 9439

M: +6427 733 2555

W: www.pioneerenergy.co.nz

