The General Manager Wollondilly Shire Council PO Box 21 Picton NSW 2571 SEEC

STRATEGIC ENVIRONMENTAL & ENGINEERING CONSULTING

www.seec.com.au

18th October 2017

Our reference: 17000198-L-01

Your reference:

Dear Sir/Madam

Re: Lot 1 DP 940895 No. 600 West Parade, Buxton Salinity Assessment

It is proposed to subdivide Lot 1 DP 940895 West Parade Buxton into four new rural residential lots. SEEC have been commissioned to comment on the likely level of constraint posed by salinity (whether present or in the future).

The site is mapped to lie of the Lucas Heights Soil landscape (DLWC/SCA 2002). The soil landscape mapping says salinity has not been observed on this soil landscape. Our local experience confirms this.

The latest *Salinity Hazard and Salt Outbreaks* Map (DECC, 2008) shows that salinity has not been observed in the *locality* of the site (i.e. the site and land within 1 km² around it). The locality is marked as entirely green (Figure 1).

The proposed subdivision represents a "medium-sized" development as defined in Section 7.6 of WSROC (2004). However, given there are no proposed activities that could be considered *Salinity Risks* as defined in WSROC (2004), we consider it is appropriate to follow the flow chart given at Section 7.2 of that document (i.e. the chart for single lot developments). In addition, given the geological information available, we consider a site-specific investigation is not warranted.

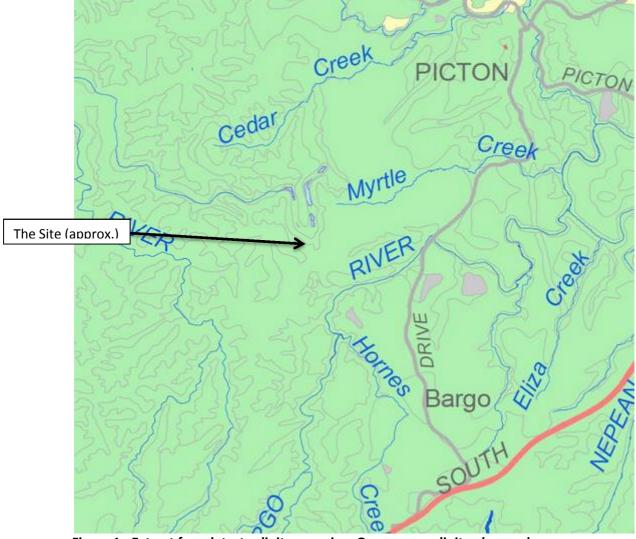


Figure 1 - Extract from latest salinity mapping. Green = no salinity observed.

Single lot development application 7.2 **DIPNR** Salinity Potential Map (s7.3)Identify site Site locality includes locality (s7.4) orange or red areas Site locality totally within green area Site locality totally in a yellow area **High Salinity Potential** or known Salinity Very low salinity Moderate Salinity Potential potential Does the development Application Yes proceeds involve salinity risk normally activities? (s8.7) LEVEL 3 **Salinity Management** Consideration of reports/ plans (s.7.5) Response (s8.6) or recommendations of existing report. **Apply Salinity** Management Response LEVEL 1 X Voluntary on-LEVEL 2 Salinity site confirmatory Salinity Management assessments Management Response (s8.4) Response (s8.4) Address Salinity in Conditions of Consent?

Figure 12: Single lot salinity assessment flow chart

Western Sydney Salinity Code of Practice

The site is entirely within a green area on the latest salinity map \rightarrow there is a very low salinity potential \rightarrow the application may proceed normally.

Mark Passfield

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Director SEEC

References:

DLWC/SCA (2002). *Soil Landscapes of The Sydney Catchment Authority's Hydrological Catchments*. NSW Department of Land and Water Conservation and Sydney Catchment Authority.

WSROC (2004). Western Sydney Salinity Code of Practice (2004). Western Salinity. Salinity Working Party. Western Sydney Regional Organisation of Councils Ltd.