

Sub. (94)  
office

Hands's Lane  
Rush  
Co Dublin  
05/07/07

Environmental  
Protection Agency

06 JUL 2007

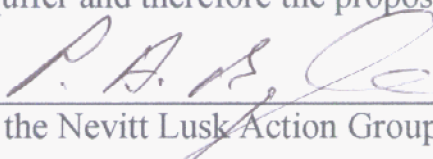
Dr. Ian Marnane  
EPA  
Co Wexford

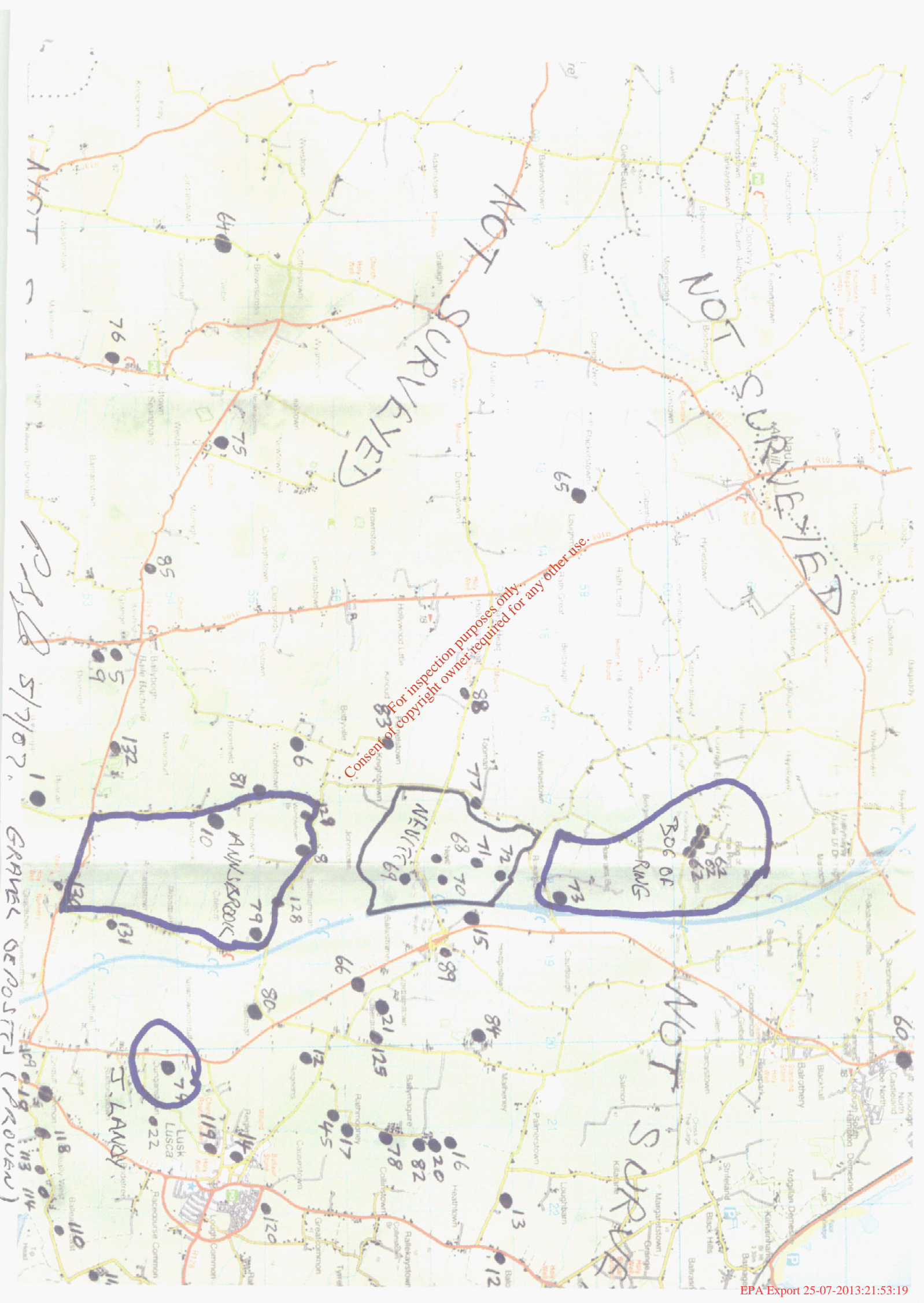
Ref: Waste Landfill application by Fingal Co Council at Nevitt, Co Dublin

Dear Dr Murnane,

In my previous submission I stated that the gravel in the vicinity of Annsbrook should be taken to be an aquifer "in it's own right". Would you allow me to more specific on this matter as I feel it may be critical in determining the Response of the proposed site at Nevitt to the Landfill Response Matrix.

- The definition of a Regional Gravel Aquifer is given as **10km<sup>2</sup> x 5metres** gravel or **50Million m<sup>2</sup>** gravel presumably all saturated, and that this gravel should be capable of supporting a large number of productive wells.
- The attached map showing the Bog of Ring Water supply, the Nevitt site, the Annsbrook site, and the area surrounding J. Landy's Horticultural well plus the intervening land area is in total well in excess of 25km<sup>2</sup>.
- Site specific borehole tests for depth of gravels vary across the entire area from circa 13 metres in the Courtlough Valley, to between 0.5 and 5.5 metres in the Annsbrook site.
- This would indicate that the total volume of connected saturated gravel in the area far exceeds 50Million m<sup>2</sup>.
- The recent reply from RPS shows that the area in question would most likely supply a large number of highly productive wells, as do the pumping results of trial boreholes in the Nevitt.
- This factual information indicates that the entire area is underlain by a Regional Gravel Aquifer and therefore the proposed site on this basis should be rated R3.

  
Patrick Boyle, B.E. for the Nevitt Lusk Action Group



NOT SURVEYED

NOT SURVEYED

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NEWTON

RD 6 OF RMG

J. LANDY

NOT SURVEYED

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GRAVEL DEPOSITS (PROVEN)

5/7/02