

## Attachment-7-1-3-2-Dust Emissions Compliance Report

### 3.1 Sensitive Receptors

One-off housing in the locality is situated at locations 280 metres south-east of the site boundary, 350 metres south-east of the site boundary and 380 metres south of the site boundary, respectively. A cluster of housing is situated 420 metres northwest of the site boundary. Agricultural land surrounds the subject site on all sides except on the north-east where the proposed site is bordered by the existing site. The site borders the Screen Hills Special Area of Conservation. Sensitive receptors are mapped in Figure 1 below.

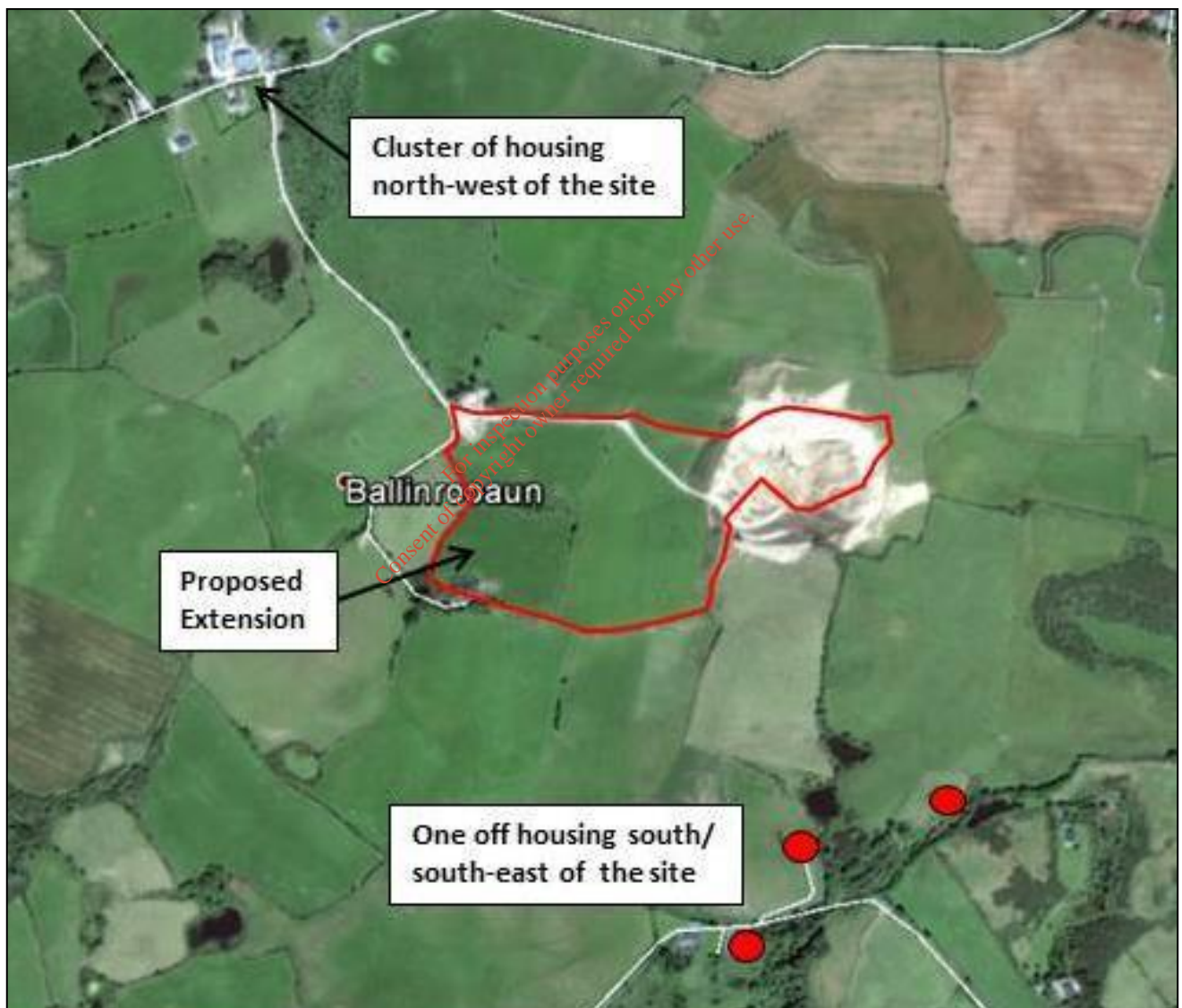


Figure 1: Sensitive Receptors

#### 4.1 Dust Monitoring

Operations at the proposed development will remain closely similar to operations at the existing site. The same equipment will be situated on-site and it is proposed that the facility throughput will be similar. The processing activity will remain the same also. As operations will remain closely similar, it is considered that dust emissions at the existing site are representative of dust emissions which will arise during the operational phase of the proposed development. For the purposes of assessing dust quality on-site baseline dust monitoring, which takes place to ensure compliance with Condition 23 of the planning permission for the existing facility (Wicklow County Council Reg. Ref. 20082323), was reviewed. Dust monitoring results from 2013 to 2015 were reviewed and are summarized in Table 9.3 below. Dust monitoring locations are situated at various locations around the site boundary as shown in Figure 9.2.

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| Monitoring Point | Monitoring point Description | Units                  | Report 1 of 2013 | Report 2 of 2013 | Report 1 of 2014 | Report 2 of 2014 | Report 1 of 2015 | Report 2 of 2015 | TA Luft Limit |
|------------------|------------------------------|------------------------|------------------|------------------|------------------|------------------|------------------|------------------|---------------|
| D1               | Site boundary, north-west    | mg/m <sup>2</sup> /day | 94               | 38               | 30               | 38               | 17               | 12               | 350           |
| D2               | Site boundary, north east    | mg/m <sup>2</sup> /day | 12               | 85               | 44               | 65               | 8                | 13               | 350           |
| D3               | Site boundary, south-east    | mg/m <sup>2</sup> /day | 23               | 50               | 161              | 2                | . <sup>2</sup>   | 44               | 350           |
| D4               | Site boundary, south-west    | mg/m <sup>2</sup> /day | 30               | 68               | 56               | 131              | 117              | 52               | 350           |

**Table 9.3: Dust Monitoring Results 2013-2015**

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<sup>2</sup> Sample missed

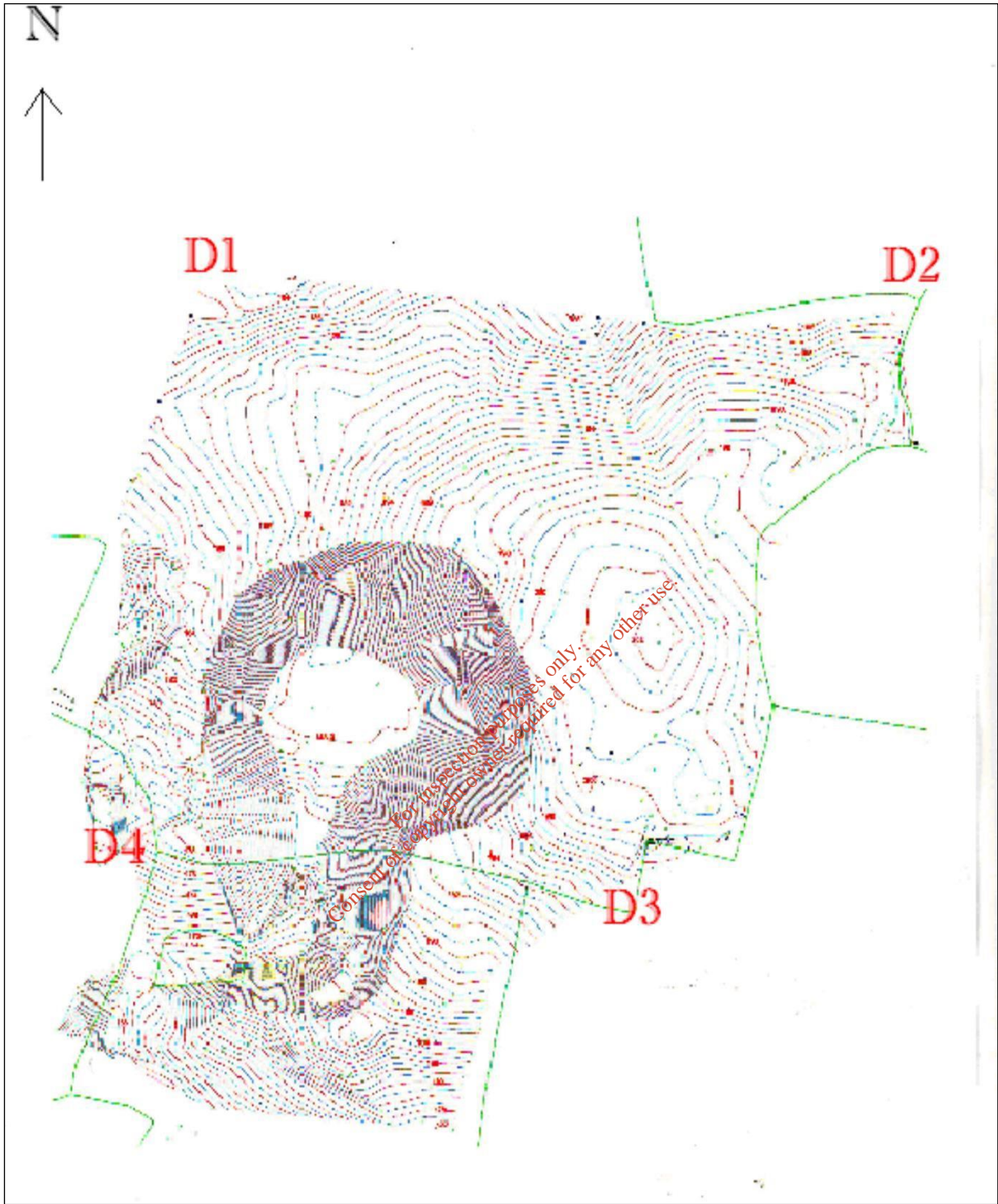


Figure 9.2: Dust Monitoring Point Map

As operations will remain closely similar, it is considered that dust emissions at the existing site are representative of dust emissions which will arise during operations at the proposed development. Since the initiation of dust monitoring on-site there has never been a breach of the TA Luft limit value of 350 mg/m<sup>2</sup>/day and all results were significantly below this threshold.

Details of the baseline dust assessment, receiving environment and dust emissions impact assessment are provided within Attachment-7-3-1-4-Dust Emissions Impact Assessment.

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