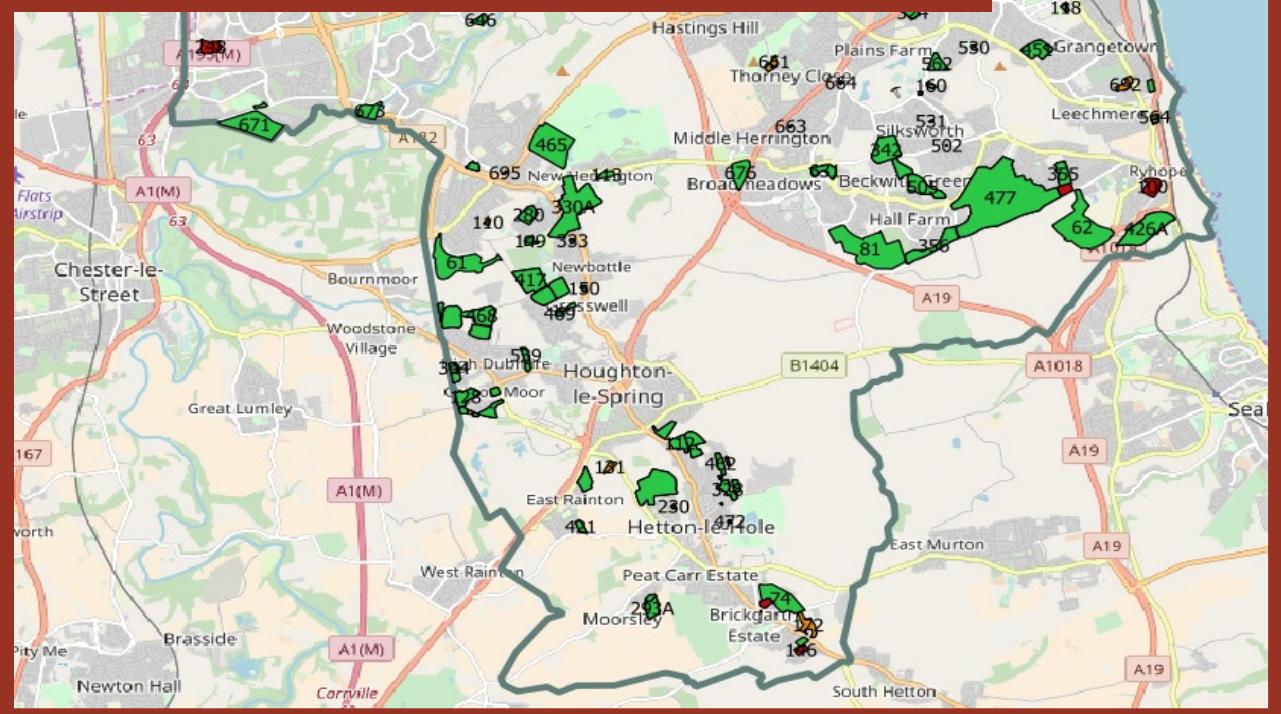
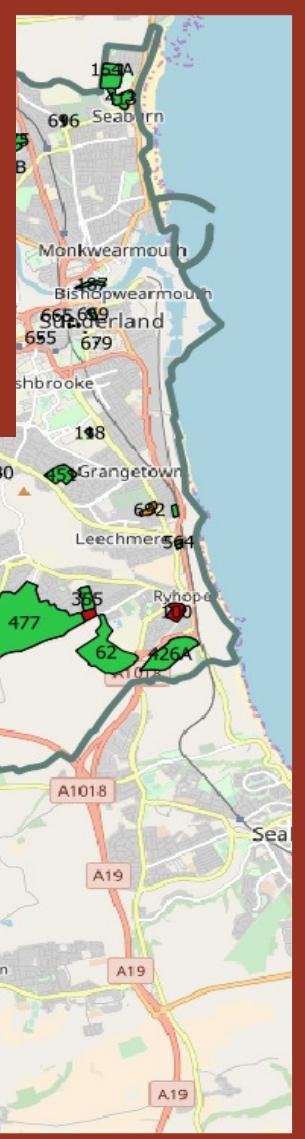


## Sunderland Local Plan Assessment of Transport Impacts - Addendum One 25 May 2018



## Quality Management

|                       |  |                         |   |
|-----------------------|--|-------------------------|---|
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| <b>Location</b>       | Sunderland   |                         |   |
| <b>Title</b>          | Assessment of Transport Impacts - Addendum One   |                         |   |
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## Revision Status / History

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# 1. Introduction

## 1.1 Background

- 1.1.1 Capita were first commissioned by Sunderland City Council (SCC) in 2017 to take account of the changes to the Local Plan allocation and its impact on the local road network using the regional Saturn strategic transport model. The methodology employed and results were first set out in the Capita Report *Initial Assessment of Transport Impacts report*, dated April 2017.
- 1.1.2 A year on, SCC have further updated the Local Plan with a series of revised land allocations including considering the Strategic Housing Land Availability Assessment (SHLAA) as well as the Employment Land Review (ELR). SCC have therefore commissioned Capita once again to take account of these changes and assess their impact using the Saturn strategic transport model.
- 1.1.3 In this most recent update to Local Plan, SCC has identified an additional 40 new residential sites. As a result of these additions, the number of potential additional trips generated from these sites over a number of phases has been estimated and the model updated to reflect these.
- 1.1.4 This addendum report therefore provides an update on the results of the modelling exercise first produced in April 2017. It sets out the land allocation assumptions behind the latest update and outlines the results of the modelling exercise in the form of junction capacities.

## 2. Modelling Assumptions

### 2.1 Modelling Year Scenarios

2.1.1 The modelling future year scenarios that have been assessed as part of this addendum include the following:

- Phase 0: is the reference year scenario which includes committed developments and traffic growth in the year zero (0) to year five (5);
- Phase 1: includes phase 0 with the committed developments and traffic growth in years six (6) to eleven (11);
- Phase 2: include phase 0 and phase 1 with the committed developments and traffic growth in years twelve (12) to year fifteen (15); and
- Phase 3: is the full Local Plan scenario which includes phases 0 to 2 with the committed developments and traffic growth for the sixteen (16) seventeen (17) years.

2.1.2 The reference case scenario includes developments which have planning permission and live applications that are likely to be granted planning approval. Other developments that are likely to gain planning permission and be considered by 2033 have been included where information was available. This is not prejudicial to the planning process and is based on guidance on uncertainty as defined by Table A2 in TAG Unit M4 Forecasting and Uncertainty.

2.1.3 The additional phases include traffic demand for a mix of development types, such as residential, employment, leisure, and retail, and consists of the following assumptions:

- Developments which have been completed between 2011 and 2016;
- Developments which have been granted planning permission (committed development); and
- All developments where a planning application has been submitted to the Local Authority as of May 2016, which have not yet been determined but are likely to be granted planning approval.

## 2.2 Trip Generation

- 2.2.1 The updated trip generation analysis has taken into account changes in both the proposed residential and employment site allocations.
- 2.2.2 With respect to the residential element, Local Authorities are required to undertake Strategic Housing Land Availability Assessments (SHLAA) to assess potential sites for future housing development. The SHLAA forms part of the evidence base for the emerging Sunderland Local Plan. This update has considered revisions to the SHLAA sites and these are outlined in Appendix A.
- 2.2.3 For the employment element, the Employment Land Review (ELR) provides an understanding of the city's current employment land supply and anticipated future employment growth and the impacts of this on land availability up to 2033. This update has considered revisions to the ELR. The allocated IAMP development area (across Sunderland and South Tyneside) has increased from 100ha to 150ha which impacts on the latest trip generation figures. The updated trip generation figures are shown in Appendix B.
- 2.2.4 A summary of the revised total trip generation for both the residential and employment developments included within phase 0, 1, 2, and 3 are shown in Tables 1 to 4.

**Table 1 Phase 0 Trip Generation**

| Development type | Vehicle trips |       |              |       |
|------------------|---------------|-------|--------------|-------|
|                  | Morning peak  |       | Evening peak |       |
|                  | In            | Out   | In           | Out   |
| Residential      | 766           | 1,827 | 1,767        | 1,091 |
| Employment       | 337           | 70    | 61           | 209   |

**Table 2 Phase 1 Trip Generation**

| Development type | Vehicle trips |       |              |       |
|------------------|---------------|-------|--------------|-------|
|                  | Morning peak  |       | Evening peak |       |
|                  | In            | Out   | In           | Out   |
| Residential      | 1,888         | 4,520 | 4,399        | 2,689 |
| Employment       | 855           | 178   | 154          | 530   |

**Table 3 Phase 2 Trip Generation**

| Development type | Vehicle trips |       |              |       |
|------------------|---------------|-------|--------------|-------|
|                  | Morning peak  |       | Evening peak |       |
|                  | In            | Out   | In           | Out   |
| Residential      | 2,794         | 6,699 | 6,541        | 3,980 |
| Employment       | 1,206         | 251   | 218          | 748   |

**Table 4 Phase 3 Trip Generation**

| Development type | Vehicle trips |       |              |       |
|------------------|---------------|-------|--------------|-------|
|                  | Morning peak  |       | Evening peak |       |
|                  | In            | Out   | In           | Out   |
| Residential      | 3,116         | 7,471 | 7,294        | 4,440 |
| Employment       | 1,266         | 264   | 228          | 786   |

## 3. Modelling Outputs & Impacted Junctions

### 3.1 Ratio of Flow to Capacity

- 3.1.1 The Ratio of Flow to Capacity (RFC) of a highway link or a junction is one of the principal factors influencing queues and delays on the highway network. RFC is an indicator of the likely performance of a junction under a future year scenario incorporating future traffic demand.
- 3.1.2 An RFC of 85% (0.85) demonstrates that a junction will operate within capacity and with 15% spare capacity and an RFC of 86% (0.86) and above suggests a junction will operate within capacity but may experience capacity issues in the future. An RFC of 100%+ (1.00) indicates that a junction will operate beyond the design capacity and become oversaturated, highlighting that traffic delays and congestion will be more than likely at the junction.
- 3.1.3 RFC is therefore, a useful tool in helping to devise improvements that will enable a link or junction to operate without major queues and delays if it is predicted to become oversaturated. Table 5 Lists the key junctions within the local network

### 3.2 Results

- 3.2.1 From the Sunderland Local Plan, a total of 13,604 residential units and 66 employment sites have been assessed over the four phases. This updated assessment in Table 5 provides a picture of the impact of these generated trips on the local highway network.
- 3.2.2 In the final phase 3 of the Local Plan allocation, more than 10 000 trips and nearly 12,000 trips will be generated in the AM and PM peaks respectively. This additional volume of traffic will have significant influence on traffic conditions within the city.

#### **Base Year**

- 3.2.3 In the 2015 Base Year analysis no junctions were predicted as operating over capacity during the morning peak hour and four in the evening peak hour. There were however 17-20 junctions predicted at or approaching capacity.

#### **Phase 0**

- 3.2.4 With the addition of 2,000 – 3,000 assumed trips during the morning and evening peak hours the number of junctions predicted to operate beyond capacity rises to 10-11 during both peaks.

**Phase 1**

3.2.5 Phase 1 estimates the number of trips increasing on the local network from between 6,000 – 7,000 trips during the morning and evening peak hours. the number of junctions predicted to operate beyond capacity rises to 21 and 22 for the morning and evening peak respectively.

**Phase 2**

3.2.6 With over 10,000 trips now estimated on the network for the Phase 2 scenarios, the number of junctions predicted to operate beyond capacity rises once again to 23 and 25 for the morning and peak hours respectively. The higher number in the evening peak hour reflecting the higher volume of trips. However, the number of junctions approaching capacity rises substantially to 35 in the morning peak hour.

**Phase 3**

3.2.7 The final analysis Phase 3 has nearly 12,000 additional trips during the evening peak hour and over 10,000 during the morning peak hour. This results in a similar number of junctions over capacity to Phase 2 (26 &27 in the AM & PM peaks respectively)

Table 5 Results for the Modelled Network

| Junction RFCs |       |        |        | Scenario:                        | Ratio of Flow to Capacity (RFC) |      |         |      |         |      |         |      |         |      |  |
|---------------|-------|--------|--------|----------------------------------|---------------------------------|------|---------|------|---------|------|---------|------|---------|------|--|
| Ref           | Node  | X      | Y      |                                  | 2015 Base                       |      | Phase 0 |      | Phase 1 |      | Phase 2 |      | Phase 3 |      |  |
|               |       |        |        |                                  | AM                              | PM   | AM      | PM   | AM      | PM   | AM      | PM   | AM      | PM   |  |
| 2             | 6589  | 434092 | 559819 | A19 NB OffSlip/A1290 Downhill Ln | 1.00                            | 0.66 | 0.93    | 0.73 | 0.94    | 0.81 | 0.93    | 0.87 | 0.95    | 0.90 |  |
| 6             | 6735  | 434567 | 557297 | Sunderland Highway/A19           | 0.62                            | 0.74 | 0.73    | 0.95 | 0.80    | 1.01 | 0.86    | 1.04 | 0.86    | 1.04 |  |
| 11            | 7150  | 434737 | 555135 | A19/A183 W                       | 0.35                            | 0.27 | 0.38    | 0.31 | 0.43    | 0.34 | 0.46    | 0.36 | 0.45    | 0.37 |  |
| 12            | 7151  | 434786 | 555200 | A19N onslip/A183W                | 0.59                            | 0.54 | 0.73    | 0.57 | 0.84    | 0.62 | 0.86    | 0.64 | 0.86    | 0.67 |  |
| 13            | 7135  | 435636 | 552444 | A19S offslip/Parkside south      | 0.79                            | 1.00 | 0.88    | 1.00 | 0.94    | 1.03 | 0.99    | 1.05 | 0.95    | 1.06 |  |
| 18            | 7141  | 435656 | 552290 | A19N offslip/Durham Rd           | 0.69                            | 0.87 | 0.67    | 0.81 | 0.68    | 0.87 | 0.71    | 0.87 | 0.64    | 0.87 |  |
| 19            | 7142  | 435581 | 552272 | A19/Durham Road                  | 0.48                            | 0.48 | 0.48    | 0.47 | 0.54    | 0.50 | 0.57    | 0.51 | 0.51    | 0.51 |  |
| 20            | 7143  | 435562 | 552362 | A19N Onslip/Durham Road          | 0.85                            | 0.81 | 0.98    | 0.93 | 1.07    | 1.00 | 1.11    | 1.02 | 1.12    | 1.03 |  |
| 21            | 99837 | 435983 | 552371 | City Way/Emperor Way             | 0.32                            | 0.51 | 0.35    | 0.60 | 0.39    | 0.69 | 0.41    | 0.77 | 0.39    | 0.79 |  |
| 22            | 7165  | 436216 | 552426 | City Way/Monarch Way             | 0.86                            | 0.57 | 1.01    | 0.76 | 1.14    | 0.86 | 1.26    | 0.91 | 1.21    | 0.93 |  |
| 23            | 99840 | 436512 | 552602 | City Way/Camberwell Way          | 0.39                            | 0.62 | 0.49    | 1.00 | 0.48    | 1.62 | 1.03    | 2.11 | 0.49    | 2.36 |  |
| 24            | 99841 | 436825 | 552827 | City Way/Doxford Park Way        | 0.66                            | 0.68 | 0.83    | 0.90 | 0.84    | 0.99 | 0.95    | 1.04 | 0.86    | 1.05 |  |
| 25            | 6810  | 436947 | 552722 | Doxford Park Way/Silkworth Way   | 0.70                            | 0.60 | 0.78    | 0.73 | 0.71    | 0.96 | 0.68    | 1.01 | 0.78    | 1.02 |  |
| 26            | 6818  | 438410 | 552580 | Doxford Park Way/Half Farm Road  | 0.04                            | 0.04 | 0.04    | 0.04 | 0.05    | 0.05 | 0.06    | 0.05 | 0.10    | 0.06 |  |
| 27            | 6817  | 438496 | 552404 | Doxford Park Way/Burdon Road     | 0.21                            | 0.20 | 0.16    | 0.21 | 0.20    | 0.30 | 0.38    | 0.37 | 0.36    | 0.41 |  |
| 28            | 6823  | 438641 | 551898 | Burdon Road/Bardon Lane          | 0.27                            | 0.26 | 0.10    | 0.09 | 0.11    | 0.12 | 0.11    | 0.17 | 1.13    | 0.21 |  |
| 29            | 6826  | 440192 | 552639 | Burdon Road/Bevan Avenue         | 0.10                            | 0.11 | 0.05    | 0.05 | 0.08    | 0.08 | 0.29    | 0.11 | 0.82    | 0.14 |  |
| 30            | 6757  | 440843 | 553050 | Burdon Lane/Ryhope Street South  | 0.25                            | 0.20 | 0.20    | 0.25 | 0.31    | 0.25 | 0.81    | 0.28 | 0.88    | 0.33 |  |
| 31            | 6758  | 440650 | 553120 | Ryhope Street South/Black Road   | 0.18                            | 0.18 | 0.22    | 0.20 | 0.49    | 0.29 | 0.71    | 0.42 | 0.63    | 0.57 |  |
| 32            | 6760  | 440092 | 553175 | Ryhope Street South/Bevan Avenue | 0.09                            | 0.15 | 0.23    | 0.34 | 0.61    | 0.50 | 0.96    | 0.67 | 1.00    | 0.74 |  |
| 33            | 6741  | 441056 | 552876 | Stockton Road/The Village        | 0.19                            | 0.18 | 0.26    | 0.26 | 0.41    | 0.35 | 0.44    | 0.40 | 0.44    | 0.50 |  |
| 34            | 6738  | 441337 | 552894 | The Village/ Robson PI           | 0.14                            | 0.15 | 0.15    | 0.18 | 0.14    | 0.18 | 0.26    | 0.18 | 0.22    | 0.18 |  |
| 36            | 6744  | 441326 | 552323 | SeeView/A1018                    | 0.63                            | 0.66 | 0.52    | 0.61 | 0.54    | 0.60 | 0.93    | 0.59 | 0.91    | 0.60 |  |
| 37            | 6891  | 441480 | 552290 | A1018/B1287                      | 0.52                            | 0.40 | 0.59    | 0.56 | 0.66    | 0.64 | 0.80    | 0.70 | 0.81    | 0.72 |  |
| 38            | 6745  | 441296 | 552985 | Ryhope Road/SeeView              | 0.32                            | 0.37 | 0.32    | 0.38 | 0.31    | 0.43 | 0.21    | 0.47 | 0.22    | 0.49 |  |
| 39            | 6759  | 440568 | 553123 | Ryhope St/Nelson St              | 0.09                            | 0.09 | 0.20    | 0.20 | 0.43    | 0.26 | 0.61    | 0.35 | 0.55    | 0.39 |  |
| 40            | 6755  | 440880 | 553850 | Toll Bar Road/Fenside road       | 0.29                            | 0.34 | 0.32    | 0.33 | 0.38    | 0.37 | 0.43    | 0.40 | 0.41    | 0.38 |  |
| 41            | 6746  | 441070 | 553864 | B1405/Salterfen Road             | 0.63                            | 0.61 | 0.61    | 0.61 | 0.77    | 0.66 | 0.91    | 0.77 | 0.93    | 0.86 |  |

|    |       |        |        |   |      |      |      |      |      |      |      |      |      |      |
|----|-------|--------|--------|---|------|------|------|------|------|------|------|------|------|------|
| 42 | 99864 | 441240 | 553868 | A1018/Salterfen Road                      | 0.61 | 0.43 | 0.63 | 0.51 | 0.70 | 0.61 | 0.80 | 0.71 | 0.83 | 0.75 |
| 43 | 99870 | 440428 | 553908 | Toll Bar Road/Carrmere Road               | 0.10 | 0.09 | 0.12 | 0.11 | 0.14 | 0.11 | 0.12 | 0.12 | 0.12 | 0.11 |
| 44 | 6754  | 440070 | 553960 | Toll Bar/Hollycarrside Roaf               | 0.20 | 0.16 | 0.21 | 0.15 | 0.56 | 0.22 | 0.95 | 0.35 | 0.87 | 0.39 |
| 45 | 6764  | 438970 | 553350 | Tunstall Village Green/Burdon Road        | 0.27 | 0.29 | 0.33 | 0.37 | 0.53 | 0.57 | 0.90 | 0.79 | 0.95 | 0.85 |
| 46 | 6766  | 438936 | 553402 | Tunstall Village Lane/Tunstall Village Rd | 0.21 | 0.27 | 0.18 | 0.26 | 0.25 | 0.38 | 0.29 | 0.49 | 0.32 | 0.52 |
| 47 | 6765  | 438999 | 553474 | Maple Avenue/Paddock Lane                 | 0.18 | 0.21 | 0.17 | 0.30 | 0.20 | 0.43 | 0.25 | 0.59 | 0.31 | 0.74 |
| 48 | 6792  | 439165 | 553530 | Tunstall Hope Road/Paddock Lane           | 0.32 | 0.47 | 0.30 | 0.52 | 0.36 | 0.67 | 0.40 | 0.81 | 0.46 | 0.92 |
| 49 | 6753  | 439779 | 554220 | Toll Bar Road/Leechmere Road              | 0.35 | 0.38 | 0.39 | 0.44 | 0.53 | 0.47 | 0.47 | 0.47 | 0.52 | 0.44 |
| 50 | 99872 | 439806 | 554265 | Leechwere Way/Toll Bar Road               | 0.29 | 0.38 | 0.31 | 0.40 | 0.33 | 0.35 | 0.32 | 0.33 | 0.36 | 0.35 |
| 51 | 6751  | 439723 | 554273 | Leechmeree/Toll Bar North                 | 0.20 | 0.21 | 0.22 | 0.23 | 0.28 | 0.24 | 0.31 | 0.25 | 0.29 | 0.25 |
| 52 | 99871 | 439748 | 554304 | Leechmere Road                            | 0.21 | 0.19 | 0.23 | 0.20 | 0.21 | 0.17 | 0.21 | 0.16 | 0.21 | 0.17 |
| 53 | 6791  | 439020 | 554883 | Leechmere Road/Tunstall Road              | 0.90 | 0.93 | 1.01 | 0.98 | 1.13 | 1.05 | 1.21 | 1.09 | 1.40 | 1.10 |
| 54 | 6789  | 438463 | 555043 | Premier Road/Essen Way                    | 0.78 | 0.92 | 0.99 | 1.00 | 1.12 | 1.06 | 1.26 | 1.11 | 1.21 | 1.12 |
| 55 | 6799  | 438044 | 553996 | Warwick Terrace/Silksworth Lane           | 0.54 | 0.59 | 0.61 | 0.72 | 0.56 | 0.73 | 0.51 | 0.82 | 0.59 | 0.84 |
| 56 | 6801  | 437466 | 553762 | Silksworth Lane/North Moor Lane           | 0.35 | 0.43 | 0.43 | 0.47 | 0.39 | 0.46 | 0.27 | 0.43 | 0.39 | 0.45 |
| 57 | 6771  | 437455 | 553093 | Silksworth Lane/Silkworth Road            | 0.47 | 0.67 | 0.63 | 0.82 | 0.63 | 0.93 | 0.58 | 0.96 | 0.66 | 0.98 |
| 58 | 6772  | 436946 | 552981 | Silksworth Way/Silksworth Road            | 0.56 | 0.56 | 0.64 | 0.83 | 0.73 | 0.84 | 0.68 | 0.82 | 0.90 | 0.85 |
| 59 | 6790  | 438801 | 555004 | Essen Way/Langley Road                    | 0.43 | 0.49 | 0.50 | 0.55 | 0.61 | 0.54 | 0.70 | 0.56 | 0.59 | 0.59 |
| 60 | 6778  | 435706 | 552513 | A690/West Park                            | 0.37 | 0.48 | 0.73 | 0.43 | 1.00 | 0.52 | 0.98 | 0.76 | 1.01 | 0.76 |
| 61 | 6775  | 435586 | 553001 | West Park/Herrington Road                 | 0.28 | 0.26 | 0.62 | 0.52 | 0.65 | 0.68 | 0.59 | 0.79 | 0.60 | 0.79 |
| 62 | 6780  | 435921 | 553060 | A690/Herrington Road                      | 0.76 | 0.85 | 0.97 | 1.01 | 1.11 | 1.05 | 1.30 | 1.33 | 1.17 | 1.20 |
| 63 | 6785  | 437010 | 554322 | A690/North Moor Lane                      | 0.96 | 0.92 | 0.97 | 0.98 | 1.11 | 1.06 | 1.16 | 1.11 | 1.14 | 1.11 |
| 64 | 6787  | 437382 | 554996 | Durham Road/Premier Road                  | 0.97 | 0.81 | 0.92 | 0.95 | 1.01 | 1.00 | 1.03 | 1.00 | 1.04 | 1.01 |
| 65 | 6880  | 438410 | 555564 | A690/Barnes Park Road                     | 0.40 | 0.28 | 0.43 | 0.30 | 0.49 | 0.34 | 0.71 | 0.41 | 0.68 | 0.46 |
| 66 | 6848  | 438570 | 555500 | Queen Alexandra Road/Silksworth Lane      | 0.55 | 0.63 | 0.60 | 0.60 | 0.63 | 0.62 | 0.71 | 0.60 | 0.74 | 0.60 |
| 67 | 6849  | 438567 | 555619 | Durham Road/Richard Avenue                | 0.33 | 0.38 | 0.39 | 0.42 | 0.44 | 0.48 | 0.56 | 0.55 | 0.57 | 0.55 |
| 68 | 6882  | 437757 | 555227 | Durham Road/Ettrick Grove                 | 0.81 | 0.82 | 0.83 | 0.87 | 0.94 | 0.88 | 0.95 | 0.91 | 0.98 | 0.93 |
| 69 | 6748  | 440754 | 554677 | Ryhope Road/Ocean Road South              | 0.71 | 0.61 | 0.68 | 0.61 | 0.72 | 0.73 | 0.78 | 0.80 | 0.81 | 0.84 |
| 70 | 6777  | 440997 | 554790 | A1018/Ocean Road South                    | 0.61 | 0.67 | 0.63 | 0.67 | 0.80 | 0.67 | 0.92 | 0.66 | 0.93 | 0.66 |
| 72 | 6835  | 439521 | 555208 | Queen Alexandra Rd/Ashbrooke Range        | 0.46 | 0.62 | 0.46 | 0.48 | 0.50 | 1.00 | 0.96 | 1.00 | 0.72 | 1.00 |
| 73 | 99904 | 440061 | 555624 | The Cedars/Ryhope Road                    | 0.52 | 0.36 | 0.56 | 0.37 | 0.59 | 0.44 | 0.81 | 0.54 | 0.77 | 0.55 |
| 74 | 6895  | 440763 | 555591 | St Alban's Street/Commercial Road         | 0.72 | 0.69 | 0.75 | 0.75 | 0.93 | 0.83 | 1.03 | 0.90 | 1.02 | 0.93 |
| 76 | 7167  | 440764 | 555990 | Commercial Road/Robinson Terrace          | 0.70 | 0.66 | 0.74 | 0.71 | 0.90 | 0.77 | 0.95 | 0.83 | 0.96 | 0.86 |
| 77 | 7104  | 439786 | 556077 | Ryhope Road/Mowbray Road                  | 0.41 | 0.31 | 0.45 | 0.29 | 0.48 | 0.33 | 0.60 | 0.41 | 0.55 | 0.43 |

| 78  | 6831 | 440595 | 556482 | Commercial Road/White House Road     |  | 0.72 | 0.65 | 0.77 | 0.71 | 0.93 | 0.77 | 0.98 | 0.83 | 0.98 | 0.86 |  |  |  |  |  |
|-----|------|--------|--------|--------------------------------------|--|------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|
| 80  | 6880 | 438410 | 555564 | A690/Barnes Park Road                |  | 0.40 | 0.28 | 0.43 | 0.30 | 0.49 | 0.34 | 0.71 | 0.41 | 0.68 | 0.46 |  |  |  |  |  |
| 81  | 6840 | 439599 | 556279 | Park Road/A1231                      |  | 0.15 | 0.19 | 0.16 | 0.19 | 0.18 | 0.21 | 0.25 | 0.23 | 0.23 | 0.24 |  |  |  |  |  |
| 83  | 6853 | 438744 | 556375 | Burn Park/Eden House Road            |  | 0.35 | 0.44 | 0.41 | 0.51 | 0.47 | 0.56 | 0.46 | 0.62 | 0.52 | 0.63 |  |  |  |  |  |
| 85  | 6886 | 439017 | 556558 | New Drham Road/Burn Park Road        |  | 0.16 | 0.18 | 0.23 | 0.28 | 0.24 | 0.41 | 0.28 | 0.53 | 0.30 | 0.56 |  |  |  |  |  |
| 86  | 7071 | 439154 | 556581 | Burn Park/Derby Street               |  | 0.16 | 0.18 | 0.21 | 0.19 | 0.22 | 0.18 | 0.20 | 0.20 | 0.22 | 0.21 |  |  |  |  |  |
| 88  | 6855 | 438875 | 556652 | Chester Road/The Royalty             |  | 0.24 | 0.20 | 0.20 | 0.22 | 0.31 | 0.30 | 0.36 | 0.33 | 0.37 | 0.35 |  |  |  |  |  |
| 89  | 6843 | 439231 | 556793 | Chester Road/St Michael Way          |  | 1.00 | 0.91 | 0.94 | 0.87 | 1.00 | 0.88 | 1.01 | 0.91 | 1.01 | 0.94 |  |  |  |  |  |
| 90  | 7129 | 439300 | 556617 | Grange Terrace/ Thornhill Cres       |  | 0.49 | 0.48 | 0.54 | 0.52 | 0.62 | 0.56 | 0.80 | 0.66 | 0.74 | 0.70 |  |  |  |  |  |
| 91  | 7131 | 439264 | 556615 | A1231/A690                           |  | 0.77 | 0.50 | 0.86 | 0.56 | 0.91 | 0.61 | 0.94 | 0.66 | 0.95 | 0.69 |  |  |  |  |  |
| 92  | 7133 | 439258 | 556635 | A690/St Michaels Way                 |  | 0.58 | 0.57 | 0.65 | 0.63 | 0.71 | 0.67 | 0.80 | 0.76 | 0.84 | 0.79 |  |  |  |  |  |
| 93  | 7125 | 439273 | 556652 | SB St Michaels Way/ A690             |  | 0.52 | 0.67 | 0.54 | 0.70 | 0.56 | 0.68 | 0.57 | 0.71 | 0.56 | 0.72 |  |  |  |  |  |
| 94  | 7127 | 439304 | 556640 | Mary St/St Machels Way               |  | 0.33 | 0.46 | 0.35 | 0.47 | 0.37 | 0.46 | 0.39 | 0.48 | 0.39 | 0.49 |  |  |  |  |  |
| 95  | 6839 | 439553 | 556327 | A1231/Belvedere Road                 |  | 0.79 | 0.62 | 0.75 | 0.55 | 0.69 | 0.65 | 0.78 | 0.79 | 0.72 | 0.84 |  |  |  |  |  |
| 96  | 7055 | 440411 | 556902 | Lawrence St/Hendon Road              |  | 0.70 | 0.53 | 0.74 | 0.57 | 0.89 | 0.61 | 0.94 | 0.68 | 0.94 | 0.71 |  |  |  |  |  |
| 97  | 7083 | 440211 | 556978 | Borough Road/A1018                   |  | 0.57 | 0.47 | 0.60 | 0.49 | 0.75 | 0.59 | 0.81 | 0.68 | 0.80 | 0.74 |  |  |  |  |  |
| 99  | 7118 | 439699 | 557259 | WB West Wear Street/Wearmouth Bridge |  | 0.62 | 0.98 | 0.66 | 0.90 | 0.76 | 0.96 | 0.88 | 1.01 | 0.90 | 1.02 |  |  |  |  |  |
| 100 | 7096 | 439667 | 557251 | Wearmouth Bridge/St Mary's Way EB    |  | 0.30 | 0.27 | 0.34 | 0.29 | 0.35 | 0.31 | 0.39 | 0.32 | 0.39 | 0.32 |  |  |  |  |  |
| 101 | 7116 | 439663 | 557283 | WB St Mary's Way/Wearmouth Bridge    |  | 0.47 | 0.82 | 0.46 | 0.77 | 0.50 | 0.80 | 0.67 | 0.82 | 0.66 | 0.82 |  |  |  |  |  |
| 102 | 7117 | 439692 | 557292 | SB Wearmouth Bridge/West Wear Street |  | 0.65 | 0.64 | 0.72 | 0.61 | 0.75 | 0.65 | 0.71 | 0.69 | 0.72 | 0.70 |  |  |  |  |  |
| 105 | 7102 | 438649 | 556581 | Chester Road/St Marks's Road         |  | 0.25 | 0.28 | 0.26 | 0.45 | 0.52 | 0.86 | 0.71 | 0.93 | 0.85 | 0.95 |  |  |  |  |  |
| 106 | 6851 | 437960 | 556363 | Kayll Road/Chester Road              |  | 0.97 | 0.78 | 0.97 | 0.79 | 0.95 | 0.83 | 0.92 | 0.90 | 0.91 | 0.91 |  |  |  |  |  |
| 107 | 6881 | 437473 | 556098 | Ettrick Grove/Chester Road           |  | 0.36 | 0.37 | 0.36 | 0.37 | 0.36 | 0.36 | 0.36 | 0.33 | 0.36 | 0.33 |  |  |  |  |  |
| 108 | 6878 | 436680 | 555720 | The Broadway/Springwell Road         |  | 0.98 | 1.02 | 1.00 | 1.02 | 1.02 | 1.04 | 1.04 | 1.06 | 1.03 | 1.07 |  |  |  |  |  |
| 109 | 6907 | 436259 | 555537 | Chester Road/Grindon Lane            |  | 0.60 | 0.54 | 0.57 | 0.55 | 0.72 | 0.68 | 0.83 | 0.75 | 0.74 | 0.76 |  |  |  |  |  |
| 110 | 6877 | 436203 | 555531 | Chester Road/Pennywell Road          |  | 0.83 | 0.77 | 0.79 | 0.91 | 0.81 | 1.01 | 0.82 | 1.03 | 0.81 | 1.03 |  |  |  |  |  |
| 111 | 6876 | 435792 | 555307 | Chester Road/Greenwood Road          |  | 0.71 | 0.67 | 0.74 | 0.81 | 0.90 | 0.88 | 0.94 | 0.98 | 0.91 | 1.01 |  |  |  |  |  |
| 112 | 6875 | 435375 | 555231 | Chester Road/Prestbury Road          |  | 0.31 | 0.32 | 0.31 | 0.38 | 0.33 | 0.72 | 0.37 | 0.90 | 0.34 | 0.95 |  |  |  |  |  |
| 114 | 6873 | 435265 | 555728 | Prestbury Road/Hylton Road           |  | 0.18 | 0.24 | 0.21 | 0.25 | 0.22 | 0.27 | 0.24 | 0.28 | 0.25 | 0.29 |  |  |  |  |  |
| 115 | 7099 | 435465 | 555932 | Hylton Road/Waterford Green          |  | 0.22 | 0.25 | 0.23 | 0.25 | 0.28 | 0.28 | 0.30 | 0.32 | 0.32 | 0.35 |  |  |  |  |  |
| 116 | 6905 | 435821 | 556246 | Hylton Road/Grindon Lane             |  | 0.46 | 0.72 | 0.47 | 0.71 | 0.54 | 0.81 | 0.56 | 0.90 | 0.57 | 0.93 |  |  |  |  |  |
| 117 | 6872 | 435892 | 556284 | Hylton Road/Portsmouth Road          |  | 0.27 | 0.32 | 0.27 | 0.32 | 0.36 | 0.36 | 0.39 | 0.37 | 0.40 | 0.38 |  |  |  |  |  |
| 119 | 6868 | 436761 | 556476 | Hylton Road/Font Road                |  | 0.52 | 0.69 | 0.51 | 0.81 | 0.52 | 0.81 | 0.65 | 0.84 | 0.69 | 0.89 |  |  |  |  |  |
| 120 | 6860 | 437763 | 556728 | Hylton Road/Kayll Road               |  | 0.87 | 0.85 | 0.84 | 0.87 | 0.83 | 0.92 | 0.92 | 0.93 | 0.88 | 0.91 |  |  |  |  |  |

|     |       |        |        |                                   |      |      |      |      |      |      |      |      |      |      |
|-----|-------|--------|--------|-----------------------------------|------|------|------|------|------|------|------|------|------|------|
| 122 | 6862  | 437638 | 557327 | St Luk's Terrace/St Luke's Road   | 0.14 | 0.20 | 0.15 | 0.26 | 0.20 | 0.30 | 0.20 | 0.35 | 0.22 | 0.37 |
| 124 | 6864  | 438100 | 557560 | Pallion New Road/Lisburn Terrace  | 0.29 | 0.38 | 0.26 | 0.35 | 0.30 | 0.40 | 0.31 | 0.44 | 0.31 | 0.47 |
| 127 | 6857  | 438956 | 557150 | Trimdon Street/Silksworth Row     | 0.86 | 0.91 | 0.91 | 0.98 | 0.98 | 0.96 | 1.00 | 0.92 | 1.01 | 0.98 |
| 128 | 6859  | 438070 | 556910 | Hylton Road/Rutland Street        | 0.19 | 0.26 | 0.22 | 0.26 | 0.20 | 0.26 | 0.18 | 0.25 | 0.18 | 0.25 |
| 129 | 6858  | 438399 | 557028 | Hylton Road/St Marks Road North   | 0.28 | 0.32 | 0.30 | 0.38 | 0.40 | 0.44 | 0.48 | 0.47 | 0.49 | 0.48 |
| 130 | 7100  | 439633 | 557597 | A1018/Dame Dorothy Street         | 0.64 | 0.52 | 0.63 | 0.52 | 0.73 | 0.60 | 0.75 | 0.65 | 0.76 | 0.67 |
| 131 | 99916 | 439633 | 557588 | A1018/Sheepfolds North            | 0.51 | 0.53 | 0.50 | 0.49 | 0.58 | 0.52 | 0.59 | 0.54 | 0.60 | 0.54 |
| 132 | 6946  | 440090 | 557846 | Church Street/Dame Dorothy Street | 0.68 | 0.38 | 0.69 | 0.38 | 0.90 | 0.46 | 0.95 | 0.53 | 0.96 | 0.57 |
| 134 | 9166  | 439678 | 557950 | North Bridge Street/Roker Avenue  | 0.74 | 0.79 | 0.76 | 0.79 | 0.81 | 0.93 | 0.85 | 0.97 | 0.88 | 0.98 |
| 135 | 6943  | 439932 | 558050 | Roker Avenue/Fulwell Road         | 0.89 | 0.94 | 0.88 | 0.96 | 0.91 | 0.96 | 0.92 | 0.97 | 0.93 | 0.98 |
| 136 | 6944  | 439982 | 558063 | Roker Avenue/Church Street        | 0.73 | 0.53 | 0.72 | 0.52 | 0.78 | 0.60 | 0.81 | 0.64 | 0.84 | 0.65 |
| 137 | 6947  | 440540 | 558444 | Dame Dorothy Street/Harbour View  | 0.30 | 0.22 | 0.32 | 0.22 | 0.39 | 0.25 | 0.41 | 0.27 | 0.41 | 0.28 |
| 138 | 6950  | 439885 | 558508 | Roker Baths Road/Fulwell Road     | 0.41 | 0.36 | 0.43 | 0.35 | 0.45 | 0.41 | 0.47 | 0.45 | 0.48 | 0.46 |
| 139 | 6948  | 440736 | 558900 | Roker Terrace/St George's Terrace | 0.25 | 0.19 | 0.26 | 0.20 | 0.34 | 0.23 | 0.36 | 0.25 | 0.36 | 0.26 |
| 141 | 6988  | 440623 | 559786 | Whitburn Road/Chichester Road     | 0.19 | 0.15 | 0.21 | 0.16 | 0.28 | 0.20 | 0.30 | 0.21 | 0.30 | 0.21 |
| 142 | 6957  | 440558 | 560216 | Whitburn Road/Dykelands Road      | 0.96 | 1.00 | 0.98 | 1.00 | 0.98 | 1.00 | 0.85 | 1.00 | 0.85 | 1.00 |
| 143 | 6960  | 438995 | 560108 | Newcastle Road/A1018              | 0.42 | 0.47 | 0.42 | 0.52 | 0.50 | 0.56 | 0.56 | 0.58 | 0.56 | 0.58 |
| 144 | 99578 | 439001 | 560397 | A1018/Dovedale Road               | 0.40 | 0.53 | 0.45 | 0.63 | 0.57 | 0.71 | 0.62 | 0.84 | 0.62 | 0.86 |
| 145 | 6921  | 439252 | 559349 | Newcastle Road/Chalton Road       | 0.90 | 0.94 | 0.88 | 0.93 | 0.90 | 1.00 | 0.96 | 1.02 | 0.96 | 1.03 |
| 146 | 95606 | 439375 | 558907 | Newcastle Road/Newhaven Avenue    | 0.23 | 0.21 | 0.23 | 0.22 | 0.25 | 0.23 | 0.27 | 0.23 | 0.27 | 0.23 |
| 147 | 6941  | 439542 | 558422 | Newcastle Road/Crozier Street     | 0.27 | 0.27 | 0.26 | 0.29 | 0.29 | 0.41 | 0.30 | 0.46 | 0.31 | 0.48 |
| 148 | 6727  | 439440 | 558088 | Southwick Road/Stadium Way        | 0.43 | 0.57 | 0.41 | 0.49 | 0.52 | 0.59 | 0.65 | 0.66 | 0.64 | 0.67 |
| 149 | 6934  | 438823 | 558411 | Queens Road/Kier Hardie Way       | 0.57 | 0.71 | 0.60 | 0.72 | 0.62 | 0.70 | 0.66 | 0.70 | 0.67 | 0.70 |
| 151 | 6935  | 438565 | 558513 | Southwick Road/B1291              | 0.75 | 0.74 | 0.76 | 0.76 | 0.87 | 0.82 | 0.90 | 0.85 | 0.90 | 0.85 |
| 152 | 6924  | 438174 | 558198 | A1231/Camden Street               | 0.86 | 0.82 | 0.41 | 0.53 | 0.50 | 0.55 | 0.54 | 0.57 | 0.57 | 0.59 |
| 153 | 6926  | 438283 | 558219 | Camden Street/Trafford Road       | 0.29 | 0.36 | 0.18 | 0.25 | 0.21 | 0.25 | 0.23 | 0.28 | 0.23 | 0.30 |
| 154 | 6928  | 438292 | 558300 | Wessington Way/Queens Road        | 0.81 | 0.81 | 0.57 | 0.68 | 0.66 | 0.67 | 0.76 | 0.68 | 0.76 | 0.69 |
| 155 | 6911  | 438144 | 558319 | Wessington Way/A1231              | 0.85 | 0.81 | 0.85 | 0.80 | 0.96 | 0.86 | 0.99 | 0.89 | 1.00 | 0.90 |
| 156 | 6932  | 438161 | 558458 | Northern Way/Dean Terrace         | 0.83 | 0.82 | 0.79 | 0.87 | 0.85 | 0.92 | 0.86 | 0.96 | 0.88 | 0.96 |
| 157 | 6962  | 438133 | 558770 | Northern Way/North Hylton Road    | 0.33 | 0.33 | 0.28 | 0.22 | 0.37 | 0.26 | 0.39 | 0.27 | 0.39 | 0.27 |
| 158 | 6966  | 437982 | 559421 | Old Mill Road/Wembley Road        | 0.11 | 0.11 | 0.11 | 0.12 | 0.11 | 0.14 | 0.11 | 0.16 | 0.11 | 0.16 |
| 159 | 6965  | 436906 | 558789 | Hylton Road/Castletown Way        | 0.92 | 1.00 | 0.80 | 0.83 | 0.75 | 0.79 | 0.77 | 0.78 | 0.78 | 0.79 |
| 160 | 6971  | 436742 | 558772 | North Hylton Road/Radlett Road    | 0.45 | 0.43 | 0.55 | 0.37 | 0.60 | 0.35 | 0.64 | 0.36 | 0.66 | 0.37 |
| 161 | 99693 | 436899 | 558595 | Castletown Way/Riverside Road     | 0.63 | 0.66 | 0.55 | 0.56 | 0.56 | 0.58 | 0.57 | 0.58 | 0.57 | 0.58 |

|     |       |        |        |  |      |      |      |      |      |      |      |      |      |      |
|-----|-------|--------|--------|--|------|------|------|------|------|------|------|------|------|------|
| 162 | 6963  | 436886 | 558454 | Wessington Way/Castletown Way                | 0.94 | 0.86 | 1.01 | 0.91 | 1.03 | 0.97 | 1.04 | 0.99 | 1.04 | 0.99 |
| 163 | 6973  | 436361 | 558277 | Wessington Way/Colima Avenue                 | 0.89 | 0.58 | 0.95 | 0.95 | 1.01 | 0.99 | 1.02 | 1.00 | 1.02 | 1.00 |
| 165 | 6975  | 435581 | 557985 | Grange Road/Barons Quay Road                 | 0.27 | 0.34 | 0.26 | 0.27 | 0.24 | 0.35 | 0.21 | 0.40 | 0.21 | 0.40 |
| 166 | 6978  | 435075 | 557521 | Wessington Way/Ferryboat Lane                | 0.98 | 0.92 | 1.00 | 0.86 | 1.03 | 0.93 | 1.06 | 0.95 | 1.06 | 0.96 |
| 167 | 6980  | 434630 | 559157 | Washington Road/Ferryboat Lane               | 0.74 | 0.85 | 0.76 | 0.74 | 0.82 | 0.78 | 0.84 | 0.83 | 0.85 | 0.85 |
| 168 | 9081  | 434966 | 559181 | Washington Road/Blackwood Road               | 0.65 | 0.82 | 0.71 | 0.88 | 0.78 | 0.96 | 0.76 | 0.98 | 0.77 | 0.99 |
| 169 | 95554 | 435293 | 559133 | Washington Road/Canterbury Road              | 0.18 | 0.22 | 0.18 | 0.16 | 0.18 | 0.18 | 0.20 | 0.17 | 0.20 | 0.18 |
| 170 | 6977  | 435451 | 559082 | Washington Road/Hylton Lane                  | 0.85 | 0.70 | 0.82 | 0.71 | 0.85 | 0.78 | 0.85 | 0.80 | 0.84 | 0.82 |
| 171 | 6976  | 435731 | 558914 | Washington Road/Craigavon Road               | 0.72 | 0.93 | 0.70 | 0.76 | 0.77 | 0.81 | 0.83 | 0.83 | 0.82 | 0.85 |
| 172 | 6972  | 435952 | 558803 | Washington Road/Rotherfield Road             | 0.39 | 0.35 | 0.40 | 0.32 | 0.49 | 0.36 | 0.56 | 0.37 | 0.55 | 0.37 |
| 173 | 6981  | 435371 | 559895 | Kingsway Road/Hylton Lane                    | 0.10 | 0.13 | 0.13 | 0.15 | 0.16 | 0.20 | 0.17 | 0.22 | 0.17 | 0.23 |
| 174 | 12200 | 433892 | 559130 | A1290/Downhill Lane                          | 0.21 | 0.19 | 0.19 | 0.23 | 0.23 | 0.37 | 0.26 | 0.46 | 0.27 | 0.48 |
| 175 | 6591  | 433794 | 558827 | A1290/Nissan Sight                           | 0.67 | 0.26 | 0.64 | 0.27 | 0.55 | 0.50 | 0.53 | 0.66 | 0.53 | 0.69 |
| 176 | 6592  | 432855 | 558331 | A1290/Cherry Blossom Way                     | 0.21 | 0.18 | 0.21 | 0.18 | 0.20 | 0.51 | 0.24 | 0.80 | 0.27 | 0.86 |
| 177 | 99594 | 432881 | 556964 | Nissan Way/A1231                             | 0.13 | 0.20 | 0.18 | 0.26 | 0.19 | 0.25 | 0.18 | 0.28 | 0.18 | 0.30 |
| 178 | 99591 | 432902 | 556844 | Sunderland Highway/ SB Pattinson Road        | 0.16 | 0.11 | 0.22 | 0.15 | 0.27 | 0.17 | 0.32 | 0.17 | 0.35 | 0.18 |
| 179 | 99596 | 432824 | 556831 | NB Pattinson Way/A1231                       | 0.33 | 0.55 | 0.56 | 0.77 | 0.69 | 0.77 | 0.74 | 0.78 | 0.74 | 0.78 |
| 180 | 99589 | 432806 | 556948 | Sunderland Highyway/ NB Nissan Way           | 0.11 | 0.18 | 0.22 | 0.25 | 0.33 | 0.25 | 0.39 | 0.24 | 0.41 | 0.24 |
| 181 | 6594  | 431945 | 557591 | Glover Road/Spire Road                       | 0.11 | 0.16 | 0.13 | 0.16 | 0.13 | 0.18 | 0.15 | 0.18 | 0.15 | 0.20 |
| 182 | 99607 | 431934 | 556900 | A1231/Spire Road                             | 0.15 | 0.36 | 0.14 | 0.35 | 0.15 | 0.37 | 0.16 | 0.39 | 0.16 | 0.39 |
| 183 | 99601 | 431925 | 556839 | A1231/Horsley Road                           | 0.20 | 0.17 | 0.20 | 0.16 | 0.20 | 0.17 | 0.20 | 0.19 | 0.20 | 0.20 |
| 184 | 99617 | 431326 | 556920 | Northumberland Way SB Onslip/Sunderland Hwy  | 0.21 | 0.37 | 0.21 | 0.38 | 0.24 | 0.39 | 0.26 | 0.40 | 0.26 | 0.40 |
| 185 | 99609 | 431347 | 556825 | Northumberland Way /Sundeland Hwy Offslip    | 0.20 | 0.20 | 0.22 | 0.24 | 0.24 | 0.29 | 0.25 | 0.32 | 0.26 | 0.33 |
| 186 | 99611 | 431257 | 556789 | Northumberland Way NB Onslip/Sunderland Hwy  | 0.17 | 0.22 | 0.16 | 0.18 | 0.16 | 0.21 | 0.18 | 0.23 | 0.19 | 0.23 |
| 187 | 99615 | 431234 | 556915 | Northumberland Way NB/Sunderland Hwy Offslip | 0.22 | 0.20 | 0.22 | 0.22 | 0.24 | 0.25 | 0.26 | 0.28 | 0.26 | 0.28 |
| 188 | 99650 | 429725 | 556525 | Washington Hwy SB Offslip/A1231              | 0.76 | 0.72 | 0.91 | 0.81 | 1.01 | 0.81 | 1.02 | 0.80 | 1.02 | 0.79 |
| 189 | 99637 | 429777 | 556452 | Sunderland Hwy EB Offslip/Washington Hwy SB  | 0.84 | 0.80 | 0.87 | 0.51 | 0.85 | 0.55 | 0.86 | 0.58 | 0.85 | 0.60 |
| 190 | 99641 | 429670 | 556392 | Washinton Hwy NB Offslip/A1231               | 0.50 | 0.45 | 0.64 | 0.71 | 0.65 | 0.69 | 0.67 | 0.66 | 0.66 | 0.64 |
| 191 | 99645 | 429624 | 556468 | A1231 WB Offslip/Washington Hwy              | 0.85 | 0.76 | 0.83 | 0.92 | 0.84 | 0.93 | 0.85 | 0.94 | 0.84 | 0.94 |
| 193 | 5426  | 437171 | 545536 | A182 - Salter's Ln                           | 0.00 | 0.00 | 0.33 | 0.13 | 0.34 | 0.12 | 0.42 | 0.16 | 0.44 | 0.18 |
| 194 | 99923 | 436269 | 546273 | A182 - Murton Ln                             | 0.00 | 0.00 | 1.27 | 1.40 | 1.28 | 1.41 | 1.29 | 1.43 | 1.29 | 1.43 |
| 195 | 5290  | 435486 | 546872 | WB A182 - B1284                              | 0.01 | 0.01 | 1.16 | 1.08 | 1.20 | 1.20 | 1.22 | 1.20 | 1.20 | 1.21 |
| 196 | 99929 | 435506 | 546857 | SB A182 - B1284                              | 0.00 | 0.00 | 0.56 | 0.61 | 0.50 | 0.47 | 0.49 | 0.46 | 0.48 | 0.47 |

|  |       |        |        |                                     |      |      |      |      |      |      |      |      |      |      |
|--|-------|--------|--------|-------------------------------------|------|------|------|------|------|------|------|------|------|------|
| 198  | 5289  | 435250 | 547350 | A182 - Caroline St                  | 0.00 | 0.00 | 0.06 | 0.14 | 0.06 | 0.13 | 0.06 | 0.12 | 0.06 | 0.13 |
| 200  | 99932 | 435174 | 548021 | A182 - Regent St                    | 0.00 | 0.00 | 0.06 | 0.14 | 0.05 | 0.09 | 0.06 | 0.09 | 0.06 | 0.09 |
| 201  | 99933 | 434804 | 548775 | A182 - The Bungalows                | 0.00 | 0.00 | 0.30 | 0.28 | 0.49 | 0.22 | 0.54 | 0.23 | 0.60 | 0.22 |
| 202  | 5432  | 433767 | 548640 | B1260 - B1284                       | 0.01 | 0.01 | 0.26 | 0.25 | 0.31 | 0.25 | 0.32 | 0.25 | 0.38 | 0.25 |
| 203  | 5431  | 433558 | 548746 | B1284 - Cygnet Way                  | 0.00 | 0.01 | 0.28 | 0.19 | 0.34 | 0.21 | 0.35 | 0.23 | 0.40 | 0.23 |
| 204  | 5285  | 433726 | 548828 | A690 - Slip Roads/ Cygnet Way       | 0.02 | 0.02 | 0.69 | 0.45 | 0.81 | 0.47 | 0.86 | 0.51 | 0.96 | 0.51 |
| 205  | 5286  | 434499 | 548976 | A182 - B1260                        | 0.01 | 0.00 | 0.72 | 1.01 | 1.11 | 1.16 | 1.16 | 1.18 | 1.01 | 1.18 |
| 206  | 5428  | 435224 | 549431 | B1404 - B1260                       | 0.00 | 0.00 | 0.32 | 0.31 | 0.44 | 0.38 | 0.49 | 0.39 | 0.96 | 0.40 |
| 207  | 5292  | 437371 | 550137 | B1404 - Salters Lane                | 0.28 | 0.12 | 0.28 | 0.14 | 0.29 | 0.14 | 0.29 | 0.16 | 0.81 | 0.15 |
| 208  | 5284  | 432534 | 549658 | A1052 - Dairy Lane                  | 0.01 | 0.01 | 0.34 | 0.25 | 0.32 | 0.26 | 0.32 | 0.28 | 0.32 | 0.28 |
| 209  | 5434  | 432344 | 549928 | A1052 - Britannia Terrace           | 0.34 | 0.35 | 1.03 | 1.15 | 1.01 | 1.17 | 1.03 | 1.17 | 1.05 | 1.17 |
| 210  | 99950 | 434119 | 549624 | A690 - A1052 NB off slip            | 0.00 | 0.00 | 0.89 | 0.54 | 0.86 | 0.64 | 0.82 | 0.68 | 0.86 | 0.69 |
| 211  | 99947 | 434133 | 549637 | A690 - A1052 A1052 Dairy Lane entry | 0.00 | 0.00 | 0.41 | 0.26 | 0.40 | 0.31 | 0.39 | 0.32 | 0.41 | 0.33 |
| 212  | 99942 | 434209 | 549588 | A690 - A1052 SB off slip            | 0.00 | 0.00 | 0.71 | 0.64 | 0.67 | 0.64 | 0.67 | 0.62 | 0.78 | 0.63 |
| 213  | 99946 | 434195 | 549555 | A690 - A1052 A182 entry             | 0.00 | 0.00 | 0.86 | 0.77 | 0.84 | 0.76 | 0.85 | 0.74 | 0.96 | 0.75 |
| 214  | 99939 | 434254 | 549941 | A690 - B1404 - NB parallel slip     | 0.00 | 0.00 | 0.19 | 0.14 | 0.18 | 0.15 | 0.16 | 0.16 | 0.17 | 0.16 |
| 215  | 99934 | 434245 | 550000 | A690 - B1404 - A182 Hillside Way    | 0.00 | 0.00 | 0.14 | 0.14 | 0.16 | 0.15 | 0.19 | 0.15 | 0.21 | 0.15 |
| 216  | 99938 | 434316 | 549999 | A690 - B1404 - A182 SB off slip     | 0.00 | 0.00 | 0.07 | 0.15 | 0.06 | 0.15 | 0.06 | 0.13 | 0.03 | 0.13 |
| 217  | 99935 | 434327 | 549969 | A690 - B1404 - Lake Road entry      | 0.00 | 0.00 | 1.02 | 1.03 | 1.02 | 1.03 | 1.02 | 1.03 | 1.01 | 1.03 |
| 218  | 6116  | 428503 | 554321 | Vigo Ln - Picktree Ln               | 0.46 | 0.52 | 1.01 | 1.03 | 1.01 | 1.04 | 1.04 | 1.03 | 1.04 | 1.03 |
| 219  | 5402  | 428205 | 553519 | Picktree Ln - Bonemill Ln           | 0.45 | 0.35 | 0.63 | 0.49 | 0.72 | 0.54 | 0.86 | 0.73 | 0.86 | 0.74 |
| 220  | 5403  | 430328 | 553951 | Bonemill Ln/ Vigo Ln                | 0.30 | 0.41 | 0.44 | 0.36 | 0.49 | 0.41 | 0.58 | 0.60 | 0.58 | 0.61 |
| 221  | 5090  | 433677 | 551357 | A182 - Coaley Ln                    | 0.83 | 1.01 | 0.95 | 1.00 | 0.95 | 1.03 | 0.86 | 1.03 | 1.00 | 1.03 |
| 222  | 5092  | 433082 | 552569 | A182 - B1286                        | 0.93 | 1.00 | 1.03 | 0.88 | 0.95 | 0.87 | 0.92 | 0.74 | 0.93 | 0.74 |
| 223  | 5093  | 432433 | 552759 | A182 - A183                         | 0.78 | 0.73 | 1.13 | 1.04 | 1.20 | 1.06 | 2.00 | 1.10 | 1.29 | 1.11 |
| <b>Junctions approaching capacity (0.85 &lt; RFC &lt; 1.00):</b> |       |        |        |                                     |      |      |      |      |      | 20   | 17   | 22   | 25   | 21   |
| <b>Overcapacity junctions (RFC &gt; 1.00):</b>                   |       |        |        |                                     |      |      |      |      |      | 0    | 4    | 11   | 10   | 21   |
|  |       |        |        |                                     |      |      |      |      |      | 22   | 23   | 23   | 25   | 26   |
|  |       |        |        |                                     |      |      |      |      |      | 23   | 35   | 23   | 37   | 32   |
|  |       |        |        |                                     |      |      |      |      |      | 27   |      |      |      |      |

## Appendix A - Trips generated by SHLAA Sites

**Capita Property and Infrastructure Ltd**  
North Tyneside Council  
The Quadrant  
The Silverlink North  
Cobalt Business Park  
North Tyneside NE27 0BY

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| SHLAA_R | Local_ref_1     | Site_Name   | Ownership                      | Monitoring_Delivery_Sub_Area | PDL_or_greendifeld | Settlemen_t Break | Green_BeIt? | Site_are a | Notes                   | Present_Planning_Status     | Planning_ap_p_no | Conclusion_On_Suitability | Conclusion_On_Achievability | New_Saturn_Zones | Census_Code | MSOA      | Car%      | Initial_LA_Yield_Asessment | PT/Walking/Cycling | Reduction_factor | AM rate |       | PM rate |       | Deliverable_le_Within_5_Years |    | AM trips |    | PM trips |    | Deliverable_le_Within_1_to_10_Years |     | AM trips |     | PM trips |     | Deliverable_le_Within_16_17_Years |     | AM trips |     | PM trips |       | Student_Accommodation | Total_houses_17_years | Extra_Care/Self-contained_Units |      |
|---------|-----------------|---|--------------------------------|------------------------------|--------------------|-------------------|-------------|------------|-------------------------|-----------------------------|------------------|---------------------------|-----------------------------|------------------|-------------|-----------|-----------|----------------------------|--------------------|------------------|---------|-------|---------|-------|-------------------------------|----|----------|----|----------|----|-------------------------------------|-----|----------|-----|----------|-----|-----------------------------------|-----|----------|-----|----------|-------|-----------------------|-----------------------|---------------------------------|------|
|         |                 |   |                                |                              |                    |                   |             |            |                         |                             |                  |                           |                             |                  |             |           |           |                            |                    | IB               | OB      | IB    | OB      | IB    | OB                            | IB | OB       | IB | OB       | IB | OB                                  | IB  | OB       | IB  | OB       |     |                                   |     |          |     |          |       |                       |                       |                                 |      |
|         |                 |   |                                |                              |                    |                   |             |            |                         |                             |                  |                           |                             |                  |             |           |           |                            |                    | IB               | OB      | IB    | OB      | IB    | OB                            | IB | OB       | IB | OB       | IB | OB                                  | IB  | OB       | IB  | OB       |     |                                   |     |          |     |          |       |                       |                       |                                 |      |
| 46      | 16/00276/S/HLAA | Angram Drive, Grangestown                         | Private                        | Sunderland South             | PDL                | FALSE             | FALSE       | 1.27       | 90 % net                | Permitted – under cons      | 09/1165/V/HY     | Suitable                  | Available                   | Achievable       | 892         | 00044370  | E0200184  | 67%                        | 19                 | HILL             | 0.228   | 0.542 | 0.520   | 0.324 | 19                            | 4  | 10       | 10 | 6        | 4  | 10                                  | 10  | 6        | 4   | 10       | 10  | 6                                 | 4   | 10       | 10  | 6        | FALSE | 19                    | FALS                  |                                 |      |
| 54      | 16/00033/S/HLAA | Former Eagle Public House, Portsmouth Road        | Private                        | Sunderland South             | PDL                | FALSE             | FALSE       | 0.19       | 100 % net               | Permitted – not started     | 16/0059/FU       | Suitable                  | Available                   | Achievable       | 892         | 00044238  | E0200181  | 44%                        | 10                 | HILL             | 0.167   | 0.424 | 0.438   | 0.240 | 9                             | 2  | 4        | 2  | 4        | 2  | 2                                   | 4   | 2        | 2   | 4        | 2   | 2                                 | 4   | 2        | 2   | 4        | 2     | 0                     | FALS                  |                                 |      |
| 56      | 16/00103/S/HLAA | High Worth School, Well Bank Road                 | Council                        | Washington                   | PDL                | FALSE             | FALSE       | 2.92       | 75% net                 | Not clapped permission      | 06/0378/FU       | Suitable                  | Available                   | Achievable       | 749         | 00045040  | E02001797 | 64%                        | 66                 | HILL             | 0.218   | 0.524 | 0.506   | 0.310 | 0                             | 0  | 0        | 0  | 66       | 14 | 35                                  | 33  | 20       | 14  | 35       | 33  | 20                                | 14  | 35       | 33  | 20       | 14    | 35                    | 33                    | 20                              | FALS |
| 61      | 16/00300/S/HLAA | Former Lampton Cokewoods Site ("Eiba Park")       | Homes & Com                    | Coatfield                    | PDL                | FALSE             | FALSE       | 21.01      | 75% net                 | Not permitted – under cons  | 09/0238/FU       | Suitable                  | Available                   | Achievable       | 679         | 00044580  | E02001820 | 72%                        | 359                | LMM              | 0.255   | 0.597 | 0.567   | 0.362 | 150                           | 38 | 90       | 54 | 33       | 47 | 109                                 | 104 | 66       | 47  | 109      | 104 | 66                                | 47  | 109      | 104 | 66       | 47    | 109                   | 104                   | 66                              | FALS |
| 62      | 16/00044/S/HLAA | Ryhope and Cheviot Knowles Hospital               | NHS Trust/HC                   | Sunderland South             | Mixed (50/50)      | FALSE             | FALSE       | 30.30      | 75% net                 | No planning status          | 08/0238/FU       | Suitable                  | Available                   | Achievable       | 866         | 00170229  | E02001818 | 70%                        | 800                | NMM              | 0.243   | 0.572 | 0.546   | 0.345 | 0                             | 0  | 0        | 0  | 250      | 61 | 143                                 | 136 | 86       | 250 | 121      | 268 | 273                               | 173 | 100      | 146 | 343      | 327   | 207                   | FALS                  |                                 |      |
| 63      | 16/00045/S/HLAA | Vaux Brewery (site off), Gill Bridge Avenue       | Council/HCA                    | Sunderland Central           | PDL                | FALSE             | FALSE       | 5.86       | 75% net                 | Not permitted – not started | 15/0257/HY       | Suitable                  | Available                   | Achievable       | 895         | 00044181  | E02001803 | 30%                        | 201                | HILL             | 0.131   | 0.346 | 0.384   | 0.189 | 20                            | 3  | 7        | 8  | 4        | 15 | 22                                  | 59  | 65       | 32  | 31       | 26  | 70                                | 77  | 38       | 61  | 201      | FALS  |                       |                       |                                 |      |
| 70      | 16/00004/S/HLAA | Site of Foundry (The Forge, Pallion)              | University of Sunderland South | PDL                          | FALSE              | FALSE             | 1.31        | 90 % net   | Permitted – not started | 15/0235/FU                  | Suitable         | Available                 | Achievable                  | 902              | 00044177    | E02001801 | 50%       | 43                         | NMH                | 0.182            | 0.450   | 0.460 | 0.261   | 0     | 0                             | 0  | 0        | 43 | 8        | 20 | 20                                  | 11  | 8        | 20  | 21       | 11  | 8                                 | 20  | 21       | 11  | 8        | 20    | 21                    | 11                    | FALS                            |      |
| 74      | 16/00301/S/HLAA | Murton Lane, Easington Lane                       | Private                        | Coatfield                    | Greenfield         | FALSE             | FALSE       | 14.08      | 75% net                 | Not permitted – under cons  | 06/0229/FU       | Suitable                  | Available                   | Achievable       | 882         | 00044418  | E02001826 | 57%                        | 387                | LHL              | 0.196   | 0.483 | 0.475   | 0.280 | 125                           | 25 | 61       | 60 | 35       | 25 | 61                                  | 60  | 35       | 25  | 61       | 60  | 35                                | 25  | 61       | 60  | 35       | 25    | FALS                  |                       |                                 |      |
| 78      | 16/00049/S/HLAA | Farrington Row Phase 2-4                          | Council                        | Sunderland Central           | Mixed (G30)        | FALSE             | FALSE       | 4.59       | 75% net                 | No planning status          | 08/0238/FU       | Suitable                  | Available                   | Achievable       | 689         | 00044183  | E02001803 | 41%                        | 69                 | NMH              | 0.158   | 0.402 | 0.420   | 0.226 | 0                             | 0  | 0        | 0  | 0        | 0  | 69                                  | 11  | 28       | 29  | 16       | 16  | 69                                | 11  | 28       | 29  | 16       | 16    | 69                    | 11                    | 28                              | FALS |
| 79      | 16/00147/S/HLAA | Hyton Lane/Blaydon Acre, Hyton Lane               | Gentoo                         | Sunderland North             | Greenfield         | FALSE             | FALSE       | 2.51       | 75% net                 | No planning status          | 08/0238/FU       | Suitable                  | Available                   | Achievable       | 746         | 00044582  | E02001793 | 50%                        | 66                 | NMH              | 0.180   | 0.451 | 0.455   | 0.258 | 0                             | 0  | 0        | 0  | 66       | 12 | 30                                  | 30  | 17       | 12  | 30       | 30  | 17                                | 12  | 30       | 30  | 17       | 12    | 30                    | 30                    | FALS                            |      |
| 81      | 16/00050/S/HLAA | Chapelgarth site                                  | Private                        | Sunderland South             | Greenfield         | FALSE             | FALSE       | 35.59      | 75% net                 | Not permitted – not started | 08/0238/FU       | Suitable                  | Available                   | Achievable       | 898         | 00044505  | E02001821 | 71%                        | 750                | LHM              | 0.251   | 0.591 | 0.562   | 0.357 | 70                            | 18 | 41       | 39 | 25       | 20 | 80                                  | 189 | 180      | 114 | 250      | 143 | 337                               | 320 | 204      | 100 | 168      | 396   | 376                   | 239                   | FALS                            |      |
| 85      | 16/00006/S/HLAA | Former Groves Site, Woodbine Terrace, Pallion     | Private ONH                    | Sunderland South             | PDL                | FALSE             | FALSE       | 31.65      | 75% net                 | No planning status          | 08/0238/FU       | Suitable                  | Available                   | Achievable       | 675         | 00044465  | E02001802 | 42%                        | 700                | NMH              | 0.165   | 0.420 | 0.437   | 0.237 | 0                             | 0  | 0        | 0  | 150      | 25 | 63                                  | 66  | 35       | 35  | 49       | 19  | 126                               | 160 | 166      | 90  | 151      | 156   | 86                    | FALS                  |                                 |      |
| 86      | 16/00183/S/HLAA | Former Easington Lane Primary School Building     | Council                        | Coatfield                    | PDL                | FALSE             | FALSE       | 1.27       | 90 % net                | No planning status          | 08/0238/FU       | Suitable                  | Available                   | Achievable       | 816         | 00044419  | E02001826 | 51%                        | 75                 | NLM              | 0.188   | 0.470 | 0.473   | 0.270 | 0                             | 0  | 0        | 0  | 75       | 14 | 35                                  | 35  | 20       | 14  | 35       | 35  | 20                                | 14  | 35       | 35  | 20       | 14    | 35                    | 35                    | FALS                            |      |
| 91      | 16/00150/S/HLAA | Southwick Primary School, Clarence Street         | Council                        | Sunderland North             | PDL                | FALSE             | FALSE       | 1.80       | 90 % net                | No planning status          | 08/0238/FU       | Suitable                  | Available                   | Achievable       | 730         | 00044796  | E02001795 | 53%                        | 50                 | NHH              | 0.179   | 0.445 | 0.444   | 0.256 | 0                             | 0  | 0        | 0  | 50       | 9  | 22                                  | 22  | 13       | 9   | 22       | 22  | 13                                | 9   | 22       | 22  | 13       | 9     | 22                    | 22                    | 13                              | FALS |
| 93      | 16/00075/S/HLAA | Recreation Field, North Moor Lane, Farnington     | Council                        | Sunderland South             | Mixed (75/25)      | FALSE             | FALSE       | 6.13       | 75% net                 | No planning status          | 08/0238/FU       | Suitable                  | Available                   | Achievable       | 826         | 00044617  | E02001813 | 44%                        | 138                | NMH              | 0.160   | 0.406 | 0.409   | 0.230 | 0                             | 0  | 0        | 0  | 138      | 22 | 56                                  | 58  | 32       | 22  | 56       | 58  | 32                                | 22  | 56       | 58  | 32       | 22    | 56                    | 58                    | 32                              | FALS |
| 98      | 16/00104/S/HLAA | Ayton Village Primary School, Dunlin Drive, Ayton | Council                        | Washington                   | PDL                | FALSE             | FALSE       | 1.58       | 90 % net                | No planning status          | 08/0238/FU       | Suitable                  | Available                   | Achievable       | 667         |           |           |                            |                    |                  |         |       |         |       |                               |    |          |    |          |    |                                     |     |          |     |          |     |                                   |     |          |     |          |       |                       |                       |                                 |      |

## Appendix B Trips generated by ELR sites

**Capita Property and Infrastructure Ltd**  
North Tyneside Council  
The Quadrant  
The Silverlink North  
Cobalt Business Park  
North Tyneside NE27 0BY

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| ELR Ref | ELR Sub Ref | Site Name  | Sub Area         | Industrial Estate Name     | Site Area [ha] | Site area [m <sup>2</sup> ] | OA        | MSOA      | Saturn Zone | Car % from area | Workplace Population | B1     | B2         | B8        | 3558  | 3000  | 2992  | WITHOUT DOUBLE COUNTING |    |             |    |              |    |       |    |    |   |   |    |    |   |   |    |
|---------|-------------|--|------------------|----------------------------|----------------|-----------------------------|-----------|-----------|-------------|-----------------|----------------------|--------|------------|-----------|-------|-------|-------|-------------------------|----|-------------|----|--------------|----|-------|----|----|---|---|----|----|---|---|----|
|         |             |  |                  |                            |                |                             |           |           |             |                 |                      | office | industrial | warehouse |       |       |       | within 5                |    | within 6-10 |    | within 11-15 |    | 16&17 |    |    |   |   |    |    |   |   |    |
|         |             |  |                  |                            |                |                             |           |           |             |                 |                      | B1 %   | B2 %       | B8 %      |       |       |       | AM                      | PM | AM          | PM | AM           | PM | AM    | PM |    |   |   |    |    |   |   |    |
| 78a     | 78a         | Glebe House Farm                                 |                  |                            | 2.20           | 22000.00                    | E00044950 | E02001797 | 615         | 68%             | 9662                 | 0%     | 70%        | 30%       | 0     | 15400 | 6600  | 1                       | 0  | 1           | 2  | 1            | 4  | 1     | 1  | 2  | 1 | 1 | 3  |    |   |   |    |
| 78b     | 78b         | West of Cherry Way (4)                           | Coalfeld         | Dubmire                    | 0.79           | 7923.16                     | E00044455 | E02001823 | 907         | 65%             | 134                  | 10%    | 40%        | 50%       | 792   | 3169  | 3962  | 0                       | 0  | 0           | 1  | 0            | 1  | 1     | 0  | 1  | 2 | 0 | 0  | 1  |   |   |    |
| 78c     | 78c         | South of Techniks                                | Coalfeld         | Dubmire                    | 0.11           | 1092.70                     | E00044455 | E02001823 | 907         | 65%             | 134                  | 10%    | 40%        | 50%       | 109   | 437   | 546   | 0                       | 0  | 0           | 0  | 0            | 0  | 0     | 0  | 0  | 0 | 0 | 0  | 0  |   |   |    |
| 78c     | 78c         | East of Cherry Way (1)                           | Coalfeld         | Dubmire                    | 1.49           | 24887.82                    | E00044455 | E02001823 | 907         | 65%             | 134                  | 5%     | 25%        | 30%       | 1244  | 6222  | 7466  | 1                       | 0  | 0           | 0  | 2            | 0  | 0     | 1  | 2  | 1 | 0 | 2  | 3  | 1 | 0 | 2  |
| 80a     | 80a         | Gilpin Wood (former Glebe Farm Sewage Works) (6) | Coalfeld         | Rainton Bridge North       | 2.68           | 26758.25                    | E00170218 | E02001796 | 908         | 43%             | 787                  | 10%    | 40%        | 50%       | 2676  | 10703 | 13379 | 1                       | 0  | 0           | 1  | 3            | 1  | 1     | 2  | 5  | 1 | 1 | 3  | 5  | 1 | 1 |    |
| 80b     | 80b         | Land to west of former Sumitomo factory (1)      | Coalfeld         | Rainton Bridge North       | 3.20           | 32048.46                    | E00170218 | E02001796 | 908         | 43%             | 787                  | 10%    | 40%        | 50%       | 3205  | 12819 | 16024 | 1                       | 0  | 0           | 1  | 4            | 1  | 1     | 2  | 5  | 1 | 1 | 3  | 6  | 1 | 1 |    |
| 81b     | 81b         | South of Cygnet Way (5)                          | Coalfeld         | Rainton Bridge South       | 6.32           | 63200.97                    | E00044422 | E02001825 | 909         | 76%             | 2861                 | 60%    | 20%        | 20%       | 37921 | 12640 | 12640 | 8                       | 2  | 1           | 5  | 20           | 4  | 4     | 12 | 30 | 6 | 5 | 18 | 33 | 7 | 6 | 21 |
| 81a     | 81a         | North of Cygnet Way (5)                          | Coalfeld         | Rainton Bridge South       | 1.78           | 17838.29                    | E00044422 | E02001825 | 909         | 76%             | 2861                 | 60%    | 20%        | 20%       | 10703 | 3568  | 3568  | 2                       | 0  | 0           | 1  | 6            | 1  | 1     | 3  | 8  | 2 | 2 | 5  | 9  | 2 | 2 | 6  |
| 81c     | 81c         | North of Gadwall Road (1)                        | Coalfeld         | Rainton Bridge South       | 0.69           | 6870.13                     | E00044422 | E02001825 | 909         | 76%             | 2861                 | 60%    | 20%        | 20%       | 4122  | 1374  | 1374  | 1                       | 0  | 0           | 1  | 2            | 0  | 0     | 1  | 3  | 1 | 1 | 2  | 4  | 1 | 1 | 2  |
| 82a     | 82a         | North of Colliery Lane (4)                       | Coalfeld         | Hetton Lyons               | 0.37           | 3686.39                     | E00044397 | E02001825 | 910         | 72%             | 622                  | 0%     | 50%        | 50%       | 0     | 1843  | 1843  | 0                       | 0  | 0           | 0  | 0            | 0  | 0     | 0  | 0  | 0 | 0 | 0  | 0  | 0 | 0 | 0  |
| 82b     | 82b         | Land east of Parkgate (2)                        | Coalfeld         | Hetton Lyons               | 0.18           | 1765.89                     | E00044418 | E02001826 | 910         | 63%             | 66                   | 0%     | 50%        | 50%       | 0     | 883   | 883   | 0                       | 0  | 0           | 0  | 0            | 0  | 0     | 0  | 0  | 0 | 0 | 0  | 0  | 0 | 0 | 0  |
| 87b     | 87b         | Adjoining Readycrete site (4)                    | Coalfeld         | Market Place               | 0.15           | 1535.29                     | E00170218 | E02001796 | 911         | 43%             | 787                  | 0%     | 50%        | 50%       | 0     | 768   | 768   | 0                       | 0  | 0           | 0  | 0            | 0  | 0     | 0  | 0  | 0 | 0 | 0  | 0  | 0 | 0 | 0  |
| 0       | 0           | Biffa landfill site                              | Coalfeld         | Houghton - Quarry          | 5.91           | 59070.50                    | E00044253 | E02001824 | 912         | 62%             | 20                   | 10%    | 40%        | 50%       | 5907  | 23628 | 29535 | 3                       | 1  | 0           | 2  | 7            | 1  | 1     | 4  | 10 | 2 | 2 | 6  | 11 | 2 | 2 | 7  |
| 0       | 0           | Sunderland Enterprise Park East                  | Sunderland North | Sunderland Enterprise Park | 0.54           | 5417.80                     | E00044786 | E02001795 | 913         | 53%             | 3947                 | 80%    | 10%        | 10%       | 4334  | 542   | 542   | 1                       | 0  | 0           | 1  | 2            | 0  | 0     | 1  | 3  | 1 | 1 | 2  | 4  | 1 | 1 | 2  |
| 47      | 47          | North Hylton Enterprise Park (5)                 | Sunderland North | North Hylton               | 0.33           | 3329.81                     | E00044786 | E02001795 | 914         | 53%             | 3947                 | 0%     | 50%        | 50%       | 0     | 1665  | 1665  | 0                       | 0  | 0           | 0  | 0            | 0  | 0     | 0  | 0  | 0 | 0 | 0  | 0  | 0 | 0 | 0  |
| 48a     | 48a         | Wear Street/Camden Street (1)                    | Sunderland North | Low Southwick              | 0.09           | 949.04                      | E00044786 | E02001795 | 915         | 53%             | 3947                 | 5%     | 75%        | 20%       | 47    | 712   | 190   | 0                       | 0  | 0           | 0  | 0            | 0  | 0     | 0  | 0  | 0 | 0 | 0  | 0  | 0 | 0 | 0  |
| 48c     | 48c         | Crown Road (West of Quay West) (4)               | Sunderland North | Low Southwick              | 0.14           | 1378.74                     | E00044786 | E02001795 | 915         | 53%             | 3947                 | 5%     | 75%        | 20%       | 69    | 1034  | 276   | 0                       | 0  | 0           | 0  | 0            | 0  | 0     | 0  | 0  | 0 | 0 | 0  | 0  | 0 | 0 | 0  |
| 48b     | 48b         | Crown Road (East of Quay West) (5)               | Sunderland North | Low Southwick              | 0.40           | 40214.5                     | E00044786 | E02001795 | 915         | 53%             | 3947                 | 5%     | 75%        | 20%       | 201   | 3016  | 804   | 0                       | 0  | 0           | 0  | 1            | 0  | 0     | 0  | 1  | 0 | 0 | 1  | 1  | 0 | 0 | 1  |
| 48d     | 48d         | Wear Street (land beside Q.A Bridge) (3)         | Sunderland North | Low Southwick              | 0.15           | 1509.21                     | E00044786 | E02001795 | 915         | 53%             | 3947                 | 5%     | 75%        | 20%       | 75    | 1132  | 302   | 0                       | 0  | 0           | 0  | 0            | 0  | 0     | 0  | 0  | 0 | 0 | 0  | 0  | 0 | 0 | 0  |
| 55      |             | 55 Traford Road (8)                              | Sunderland North | Low Southwick              | 0.30           | 3044.88                     | E00044773 | E02001795 | 916         | 42%             | 877                  | 5%     | 75%        | 20%       | 152   | 2284  | 609   | 0                       | 0  | 0           | 0  | 0            | 0  | 0     | 0  | 1  | 0 | 0 | 0  | 0  | 0 | 0 | 0  |
| 2a      | 2a          | Barrack Street (3)                               | Sunderland South | Port                       | 0.62           | 6232.25                     | E00044178 | E02001806 | 917         | 43%             | 82                   | 0%     | 10%        | 90%       | 0     | 623   | 5609  | 0                       | 0  | 0           | 0  | 0            | 0  | 0     | 0  | 0  | 0 | 0 | 0  | 0  | 0 | 0 | 0  |
| 2b      | 2b          | Prospect Road (2)                                | Sunderland South | Port                       | 4.96           | 4953.13                     | E00044199 | E02001806 | 917         | 33%             | 243                  | 0%     | 10%        | 90%       | 0     | 495   | 44598 | 0                       | 0  | 0           | 0  | 1            | 0  | 0     | 1  | 2  | 0 | 0 | 1  | 2  | 0 | 0 | 1  |
| 2c      | 2c          | Disused Hendon railway sidings, Moor Terrace     | Sunderland South | Port                       | 5.84           | 5843.21                     | E00044377 | E02001806 | 917         | 42%             | 276                  | 0%     | 10%        | 90%       | 0     | 5844  | 52592 | 1                       | 0  | 0           | 0  | 1            | 0  | 0     | 1  | 2  | 0 | 0 | 1  | 2  | 0 | 0 | 1  |
| 4b      | 4b          | North of Woodbine Terrace (1)                    | Sunderland South | Pallion Riverside          | 1.76           | 17571.72                    | E00044184 | E02001803 | 918         | 44%             | 278                  | 0%     | 25%        | 25%       | 0     | 4393  | 4393  | 0                       | 0  | 0           | 0  | 1            | 0  | 0     | 0  | 1  | 0 | 0 | 1  | 0  | 0 | 0 | 1  |
| 4a      | 4a          | East of Woodbine Terrace (3)                     | Sunderland South | Pallion Riverside          | 0.77           | 7704.08                     | E00044184 | E02001803 | 918         | 44%             | 278                  | 0%     | 25%        |           |       |       |       |                         |    |             |    |              |    |       |    |    |   |   |    |    |   |   |    |

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