



# TRAVL v8.09 onwards User Manual



# **TRAVL v8.09 onwards**

**Trip Rate Assessment Valid for London**

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*by Steven Longman and Louise Smith*

# TRAVL Version 8.09 onwards

## London Councils

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# 1 About TRAVL



TRAVL (Trip Rate Assessment Valid for London) is a unique, multi-modal trip generation database designed specifically for use in the capital. It is used by planners working on projects across Greater London to estimate the effect of proposed changes in land use on transport patterns and, in particular, on the amount of road traffic in an area.

The TRAVL database now contains surveys of over four hundred sites across the capital and is considered a key transport planning tool for transport planners. The sites identified reflect urban development trends across the city and are chosen to ensure that the coverage of the TRAVL database remains comprehensive.

TRAVL uses an established and comprehensive survey methodology that has been promoted and used in the London Boroughs for many years. There are several types of surveys required for each site which cover all aspects of traffic and people movement at the specific sites.

**Part**



## 2 Installation

### 2.1 Minimum Requirements

Pentium class PC, CD ROM drive, mouse or other pointing device, 8MB memory, 20MB hard disk space Windows 98 or later.

### 2.2 Downloading from Helpdesk

The recommended way of acquiring the TRAVL software is via download from the Helpdesk section of the [TRAVL website](#).

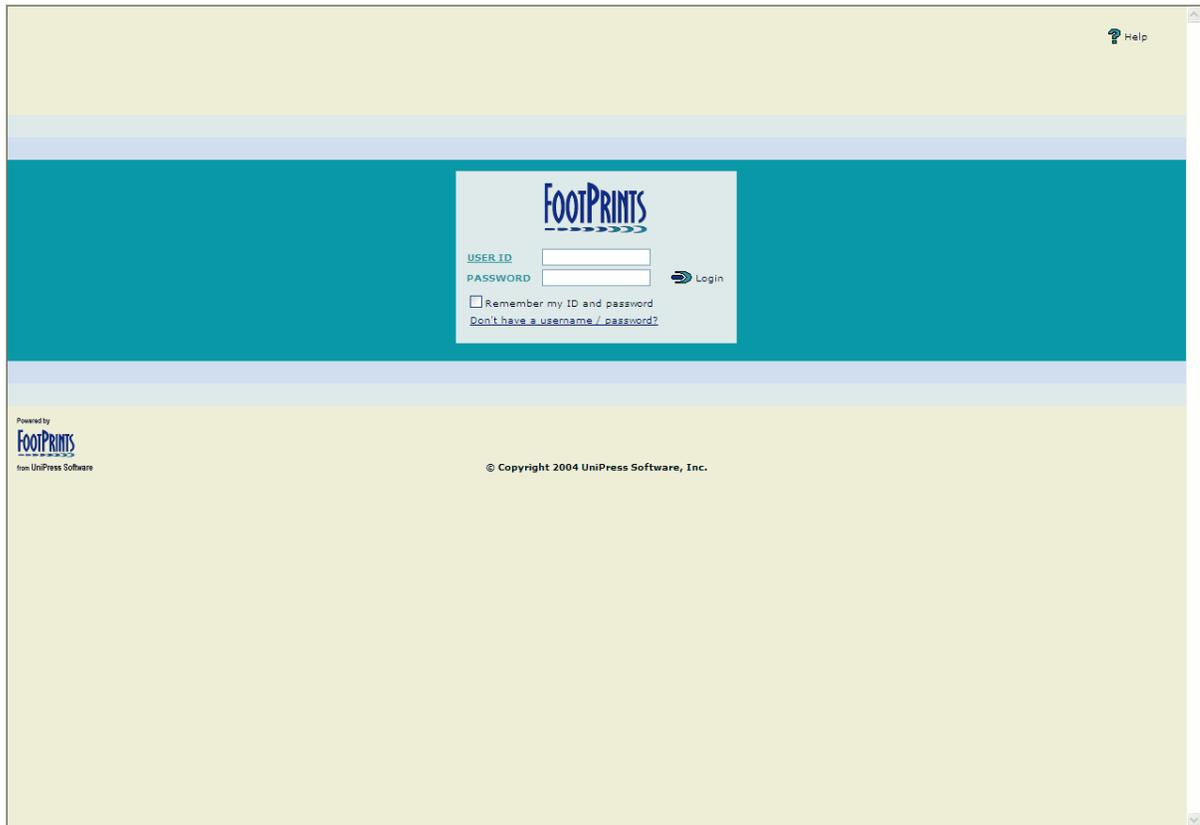
#### 2.2.1 Accessing Helpdesk

To access the Helpdesk area of the [TRAVL website](#) click on the 'Helpdesk' tab. This will take you to the 'Helpdesk' area of the website.

The screenshot shows the TRAVL website interface. At the top, there are logos for 'mvaconsultancy' and 'LONDON COUNCILS'. Below the logos is a navigation menu with the following items: Home, About TRAVL, Survey News, Newsletter, TRAVL/iTRACE Survey Documents, TRAVL Presentations, Publications, Subscriptions, Bureau Service, User Training, **Helpdesk** (highlighted with a blue background and a callout box), Approved Suppliers for TRAVL Surveys, Useful Links, MVA Website, and Contact Us. The main content area features several news items:

- Enfield Island TRAVL Survey**: A notice for residents and employees of Enfield Island Village regarding an online survey.
- 11/11/2008 - Coming Soon - TRAVL Release v8.09**: A notice about the latest TRAVL release and the need to check for updates.
- 11/11/2008 - TRAVL User Guide and Flash Demo Guides**: A notice about new user guides and flash demos available on the website.
- 11/11/2008 - TRAVL Training Sessions**: A notice about upcoming training sessions.
- 01/06/2008 - TRAVL Recommended by TfL**: A notice about TRAVL being recommended by TfL for use in preparing/reviewing transport assessments and travel plans.

Fill in your user ID and Password information and click 'Login'. If you have previously saved this information using the 'Remember my ID and password' tick box you will automatically be taken to the next screen.



After signing in correctly the HELPDESK home page will be displayed. To access the software download section click on 'TRAVL Downloads'

FOOTPRINTS

Title Keyword Number  
Search

Project Travl  
User TRAVL TRAVL

Welcome to MVA Helpdesk! A list of the most popular solutions for Travl can be found below. If you don't find the answer to your question there, use the buttons here to search the knowledge base or to submit a new request to Travl. If you experience any problems using MVA Helpdesk, please send email to [jbarker@mva.co.uk](mailto:jbarker@mva.co.uk).

'TRAVL Downloads'

Search Knowledge Base Submit Request View My Requests

's Requests for Travl

Issue #	Last Edited On	Status	Title
106	20/11/2008	Request	Daily Trip Rate Totals
105	23/10/2008	Request	Mr Torto
104	16/09/2008	Request	Run time error
103	16/09/2008	Request	Setup password
102	01/09/2008	Request	TRAVL Expired
101	01/09/2008	Open	TRAVL Expired
100	25/06/2008	Request	TRAVL Not Connecting
99	25/06/2008	Request	TRAVL Not Connecting
98	25/06/2008	Request	TRAVL Not Connecting
97	20/06/2008	Open	Problems installing v8.07a
96	19/05/2008	Request	Gross Floor Area for Leisure Uses
95	28/04/2008	Open	No Trip Rates provided
94	22/04/2008	Open	Software Upgrade Download Issue
93	28/04/2008	Closed	Travl expired
92	28/04/2008	Closed	Access violation when accessing Travl
91	28/04/2008	Closed	Software expired
90	28/04/2008	Closed	Expiration message and corrupt zip file
88	02/10/2007	Closed	Expiration message
87	02/10/2007	Closed	Same problem AGAIN, This copy of Travl has expired
86	01/10/2007	Closed	This copy of TRAVL has expired!



*Please have your username and password for the 'Helpdesk' area of the TRAVL website ready. Using these details you will be able to download and access the latest TRAVL software. The Primary TRAVL user at your organisation should have this information. However, if you cannot obtain this information for any reason, please contact the TRAVL Helpdesk at [travl@mvaconsultancy.com](mailto:travl@mvaconsultancy.com)*

## 2.2.2 Downloading TRAVL

The 'TRAVL Downloads' area is kept up-to-date with the latest versions of the software. To help select the most appropriate version of the software to download use the table below.

Scenario	Software Version
Fresh install / New User with GIS capabilities	TRAVL x.xx – Installer.zip
Fresh install / New User with <u>non</u> GIS capabilities	TRAVL x.xx Non GIS – Installer.zip
Has previous 8.xx version of TRAVL installed and wants to upgrade to latest version. Wants GIS capabilities.	TRAVL x.xx – Upgrade.zip
Has previous 8.xx version of TRAVL installed and wants to upgrade to latest version. Wants <u>non</u> GIS capabilities.	TRAVL x.xx Non GIS – Upgrade.zip

Click on the relevant software version and the 'Security Dialogue' box will appear.

The screenshot shows the FOOTPRINTS website interface. At the top right, it says 'Project TravL User TRAVL TRAVL'. Below this is a search bar with 'Title', 'Keyword', and 'Number' filters. The main content area is titled 'TravL Downloads' and contains a table of download links:

Download Link	Date	Size	Description
<a href="#">TRAVL 8.08b Installer.zip</a>	5/9/2008	51.5 MB	No description found
<a href="#">TRAVL 8.08b Non GIS Installer.zip</a>	5/9/2008	9712.4 KB	No description found
<a href="#">TRAVL 8.08b Update.zip</a>	5/9/2008	1845.4 KB	No description found
<a href="#">TRAVL8_NonGIS Upgrade.zip</a>	5/9/2008	1751.3 KB	No description found
<a href="#">TravAssessmentBackup.zip</a>	28/4/2008	328.7 KB	No description found

A box labeled 'Download Options' with an arrow points to the first link in the table: 'TRAVL 8.08b Installer.zip'. The left sidebar contains navigation links like Home, TravL Downloads, Requests, Knowledge Base, Reports, and Help.

Click 'Save' and choose a location to save the TRAVL software download. Once the download has completed, the TRAVL software is ready to be installed.



*In previous versions of the software, 'Saved Assessments' were lost when you upgraded to a new version. From TRAVL 8.08 we have fixed this problem, so when the software is upgraded, past assessments are automatically saved and can be opened in the new version. This function is only compatible when upgrading from TRAVL 8.08 onwards.*

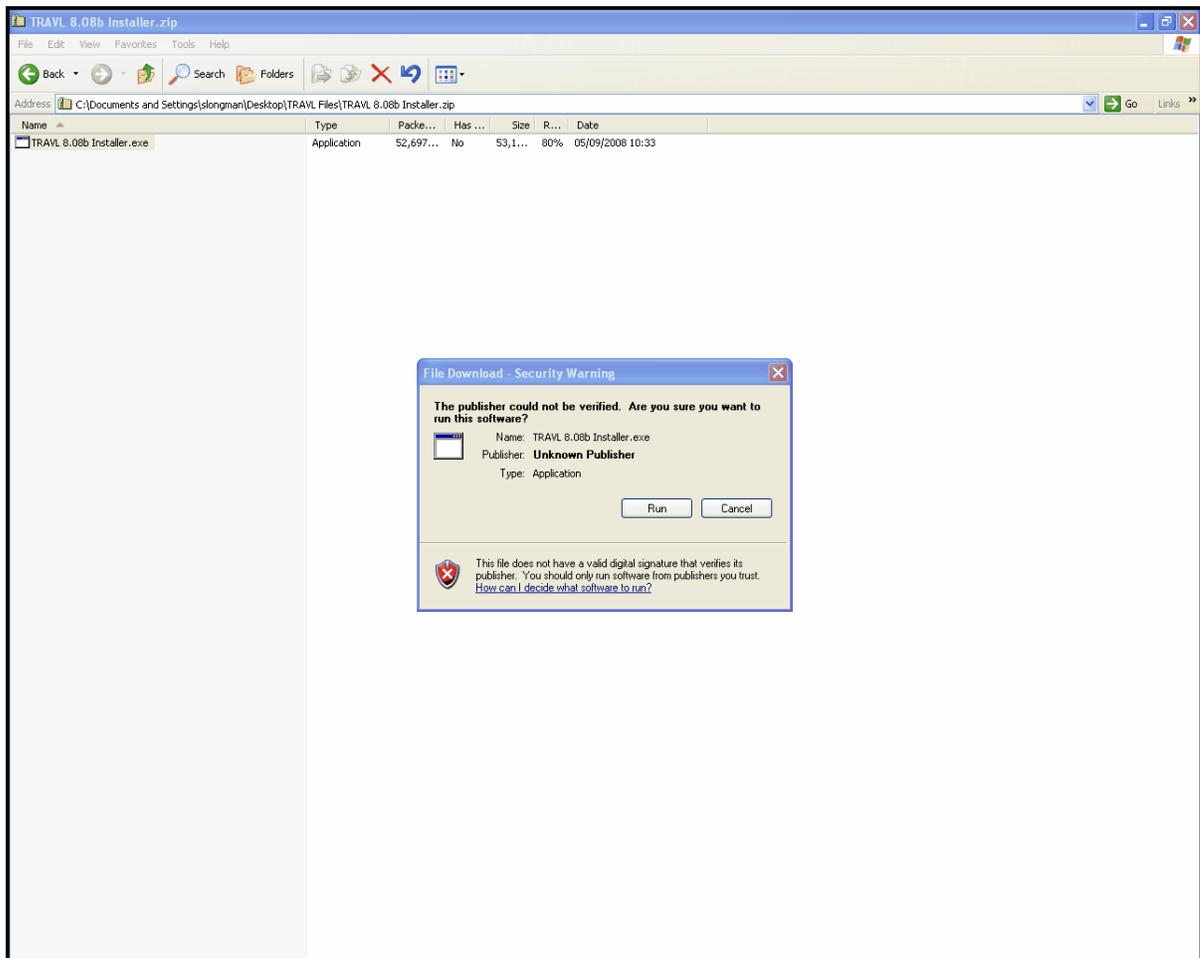
*If a fresh install is undertaken over the top of a previous version of TRAVL, all assessments will be lost. Be careful to download the correct version for your needs.*

*If you are just upgrading the software from 8.08 to 8.09, for example, you only need to download the upgrade file, you do not need to reinstall TRAVL.*

## 2.3 Fresh Install

To perform a fresh install of TRAVL, if no previous versions of the software are installed, locate and open the .zip file containing the TRAVL software. (see [Downloading from Helpdesk](#))<sup>[10]</sup>

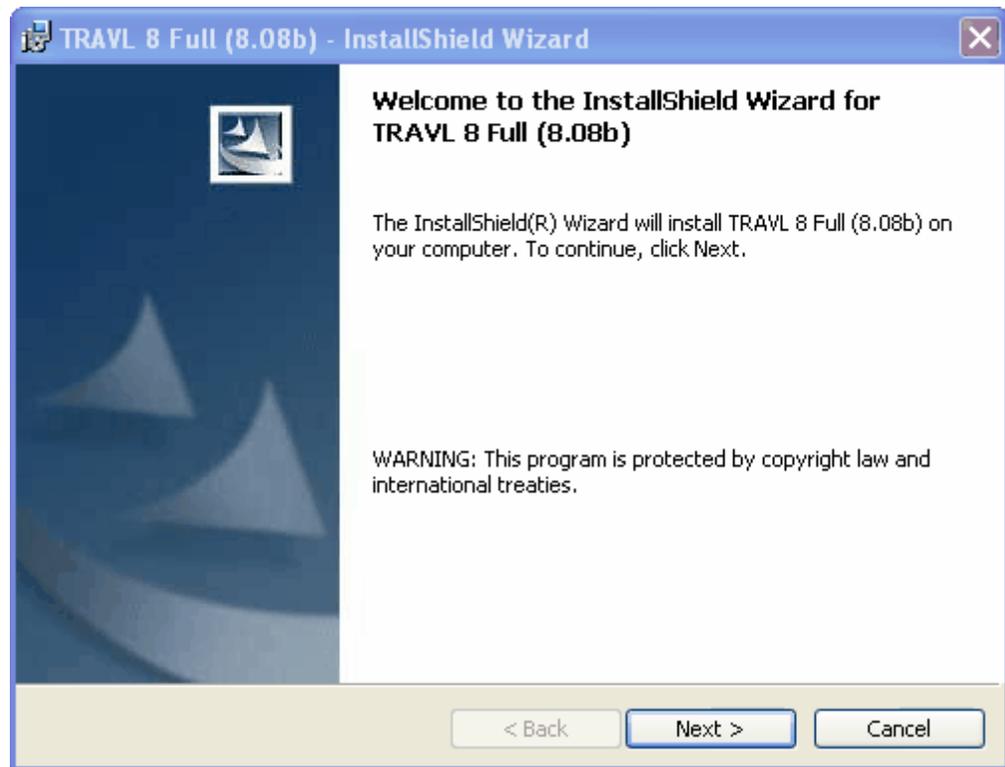
Unzip the file and double click on the 'TRAVL 8.0x Installer.exe' file to start installation. Click 'Run' on the 'Security Warning' dialogue box to proceed.



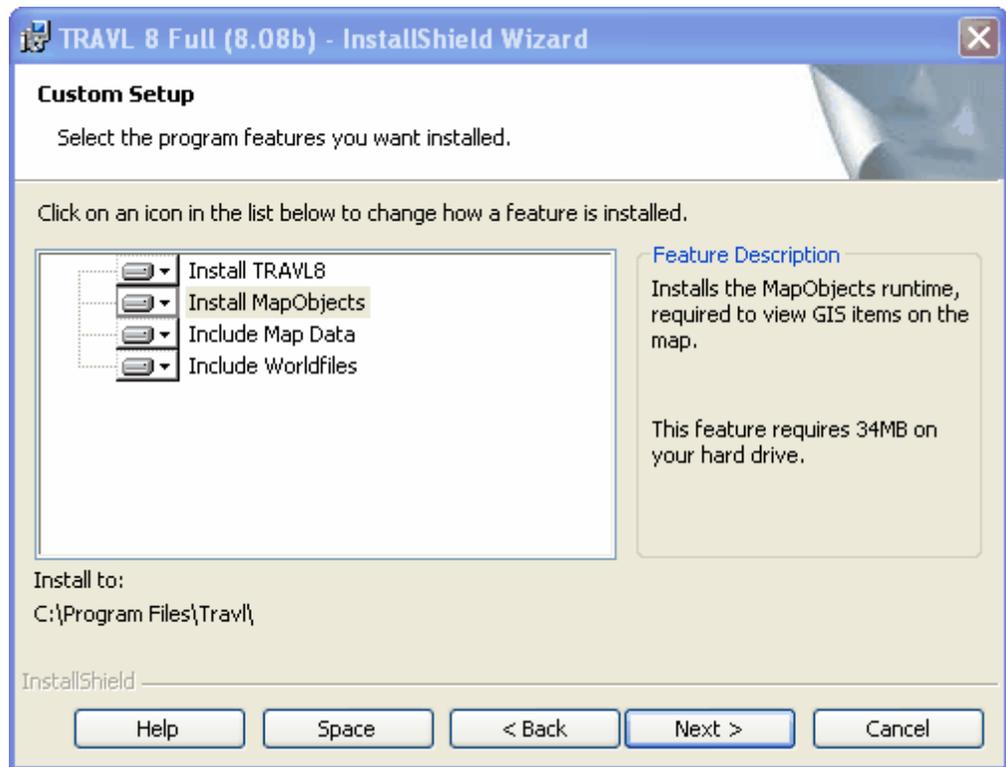
A password will need to be entered before installation can proceed to unlock the software. This should have been provided to the Primary Contact of the subscribing organisation. To request a replacement password please make a request via [Helpdesk](#). To continue installation enter the password in the dialogue box and click 'OK'.



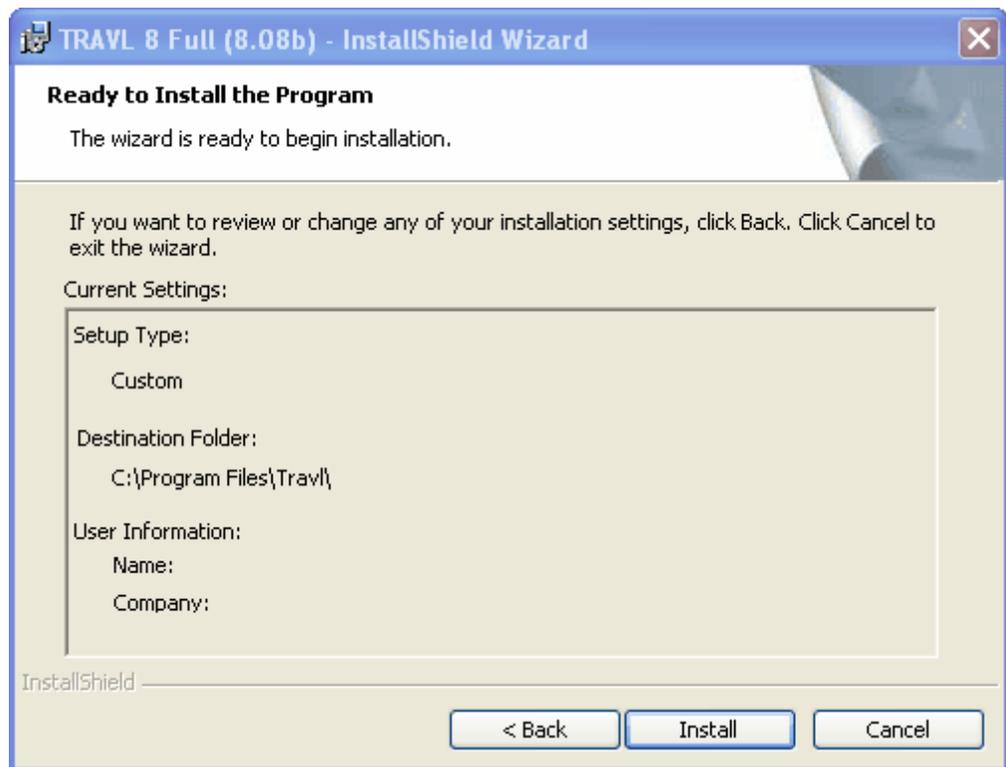
The 'Install Wizard' dialogue box should now appear. Click 'Next' to continue installing the software.



To continue installing the software click 'Next' on the 'Custom Setup' dialogue box. Users should not to change the installation setup of TRAVL unless guided by one of the TRAVL software team.



To finish installing the software click 'Install'. This will install the TRAVL software onto the C:\ drive of the machine you are using.



The TRAVL software has now been successfully installed and is ready to use. For help using TRAVL please see the [Opening\\_TRAVL](#) section of this guide.

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*To create a shortcut to the TRAVL software, find the TRAVL icon in the following location:*

*C:\Program Files\Travl\*

*Right click the icon and select 'Create Shortcut'. Move this shortcut to your desktop and you will have a quick and easy link to launch TRAVL.*

---

## 2.4 Upgrading TRAVL

To perform a upgrade to a previously installed version of TRAVL, locate and open the .zip file containing the TRAVL software. (see [Downloading\\_from\\_Helpdesk](#))

Once unzipped two files should be displayed, Travl.mdb and TRAVLx.xx.exe. Copy these files to the TRAVL Program Files folder to upgrade the software. The TRAVL folder can be found at [C:\Program Files\Travl](#).

To complete the upgrade, drag and drop both of the unzipped files in the TRAVL folder. A 'Confirm File Replace' prompt appears. Click 'Yes to All' and the old TRAVL software will be upgraded to the new version.



A password will need to be entered before installation can complete. This should have been provided to the Primary Contact of the subscribing organisation. To request a replacement password please make a request via [Helpdesk](#). To continue installation enter the password in the dialogue box and click 'OK'.



The TRAVL software has now been successfully upgraded and is ready to use. At least one update will be undertaken during each financial year, including any subsequent amendments or additions to the TRAVL data and programmes. Updates will be made available to all registered subscribers.





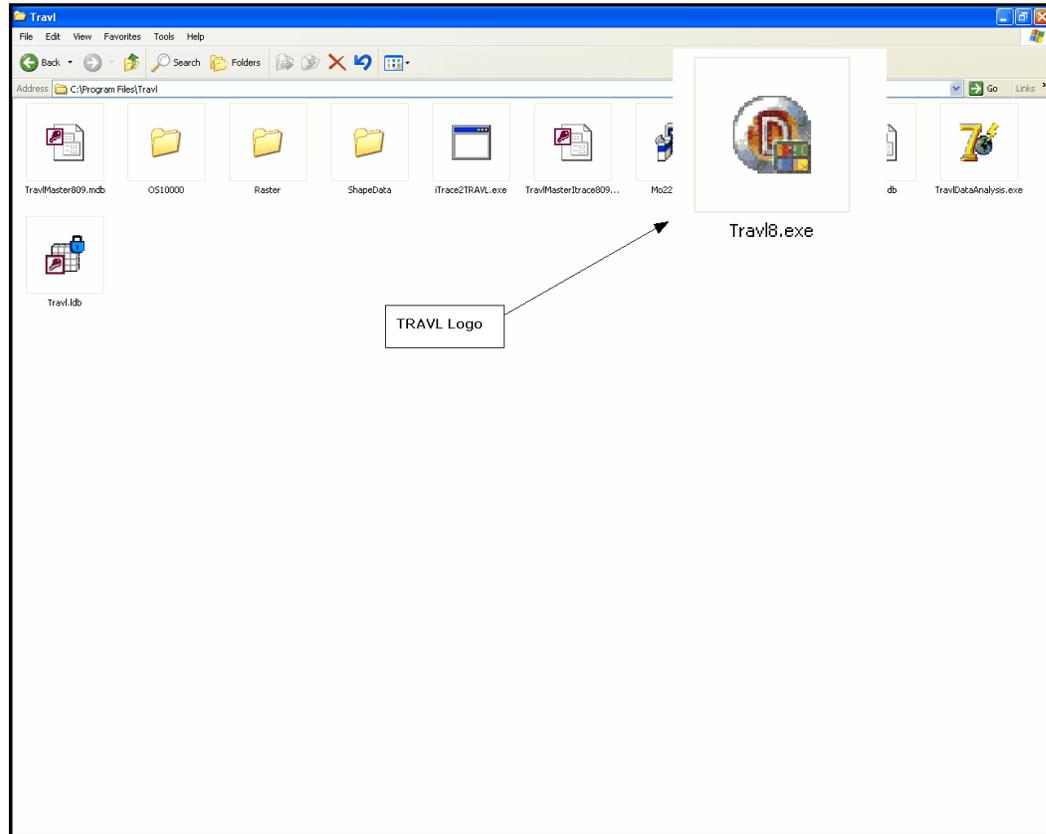
**Part**



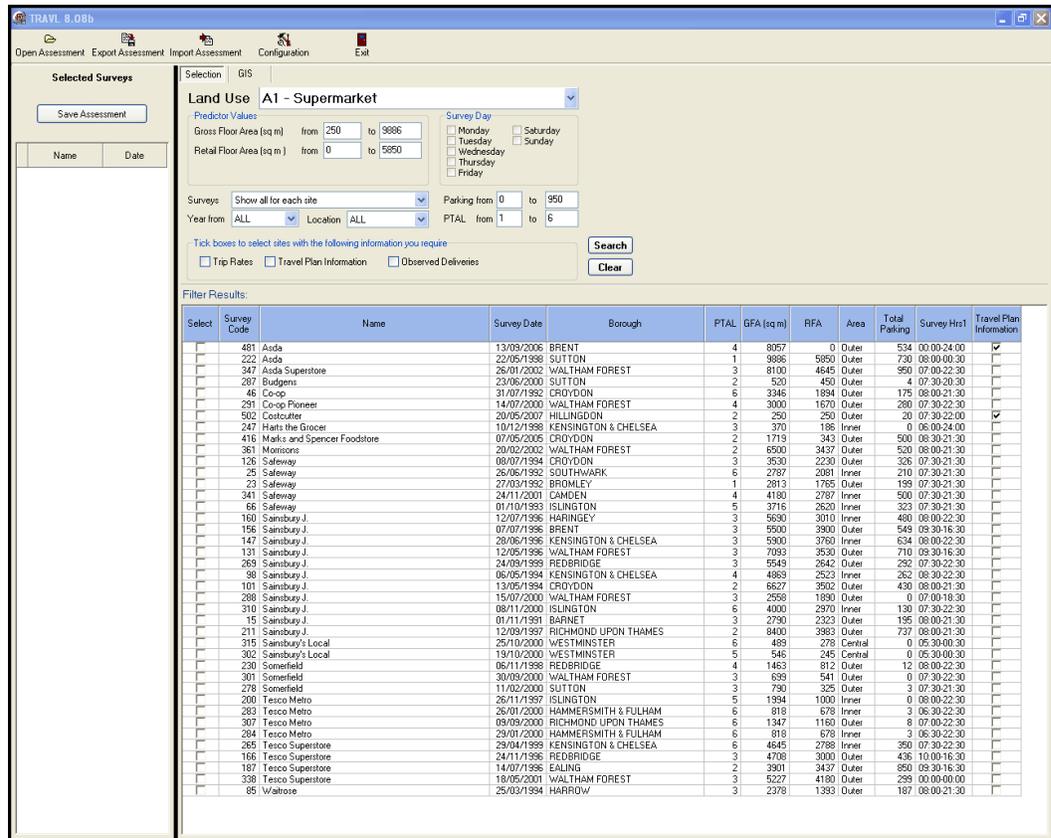
## 3 Using TRAVL

### 3.1 Opening TRAVL

To start the TRAVL software double click the 'TRAVL8.exe' icon. If you have not created a desktop shortcut the icon can be found at <C:\Program Files\Travl>.



The TRAVL database should now be open and the below screen should be displayed. This is the main screen used to navigate around TRAVL.

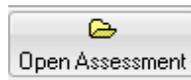


### 3.2 Navigation Buttons

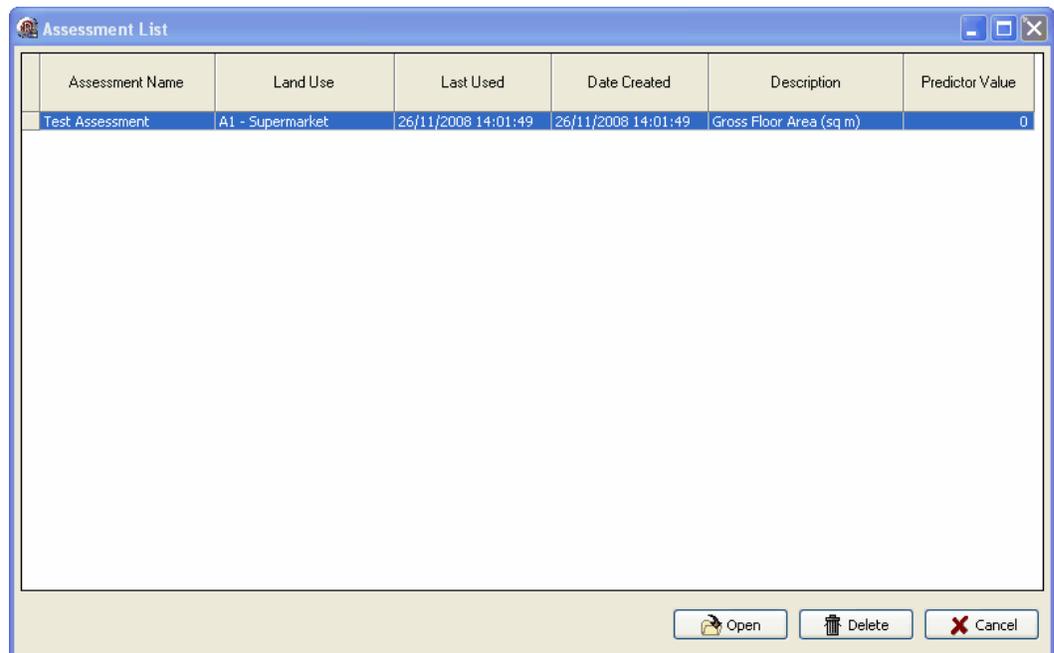


The five navigation buttons running across the top of the TRAVL software perform a number of import functions within TRAVL.

#### 3.2.1 Open Assessment



The 'Open Assessment' button allows the user to open a previously saved assessment in the database.



Assessment Name	Land Use	Last Used	Date Created	Description	Predictor Value
Test Assessment	A1 - Supermarket	26/11/2008 14:01:49	26/11/2008 14:01:49	Gross Floor Area (sq m)	0

Buttons: Open, Delete, Cancel

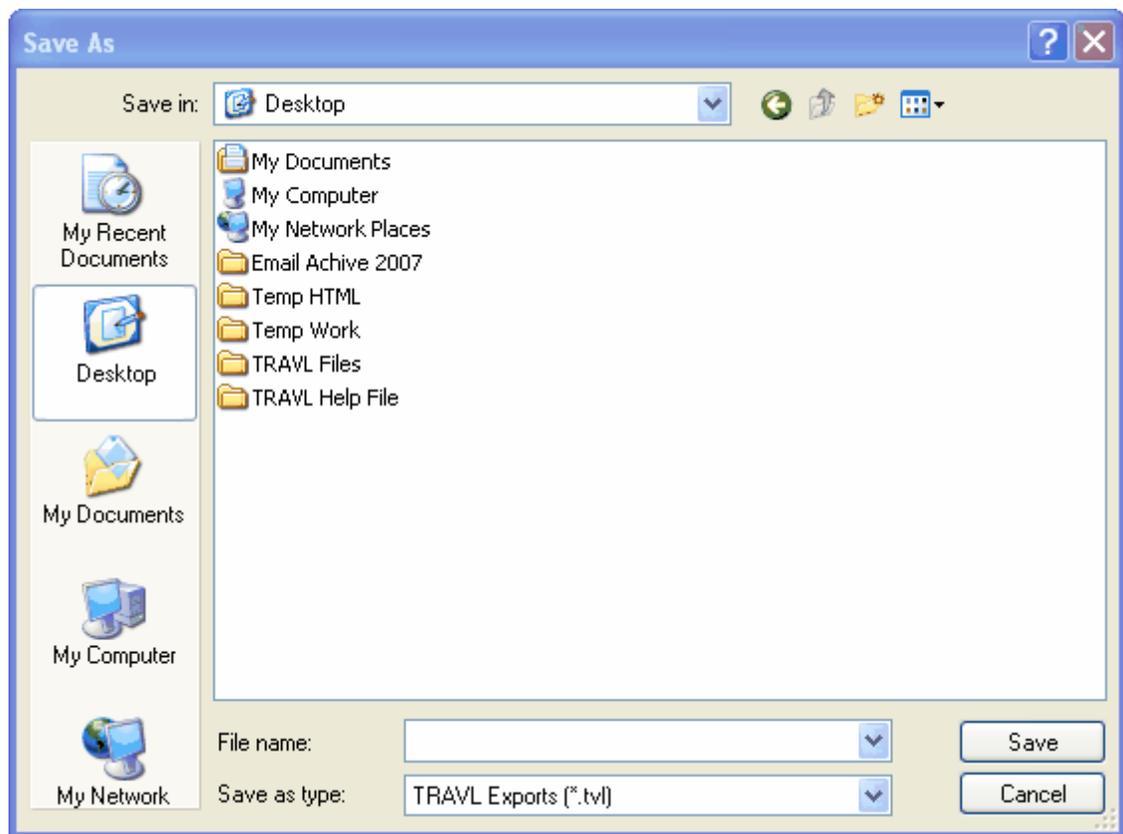
To open an assessment the user will need to highlight the assessment they wish to open, and then click 'OK'.

### 3.2.2 Export Assessment



The 'Export Assessment' button can be used to send TRAVL assessments to other TRAVL users. Pressing this button allows the user to save an assessment outside of TRAVL as a .TVL file. This can then be sent to other TRAVL users electronically.

When the 'Export Assessment' button is pressed you will be prompted to select a file name and location for the assessment.

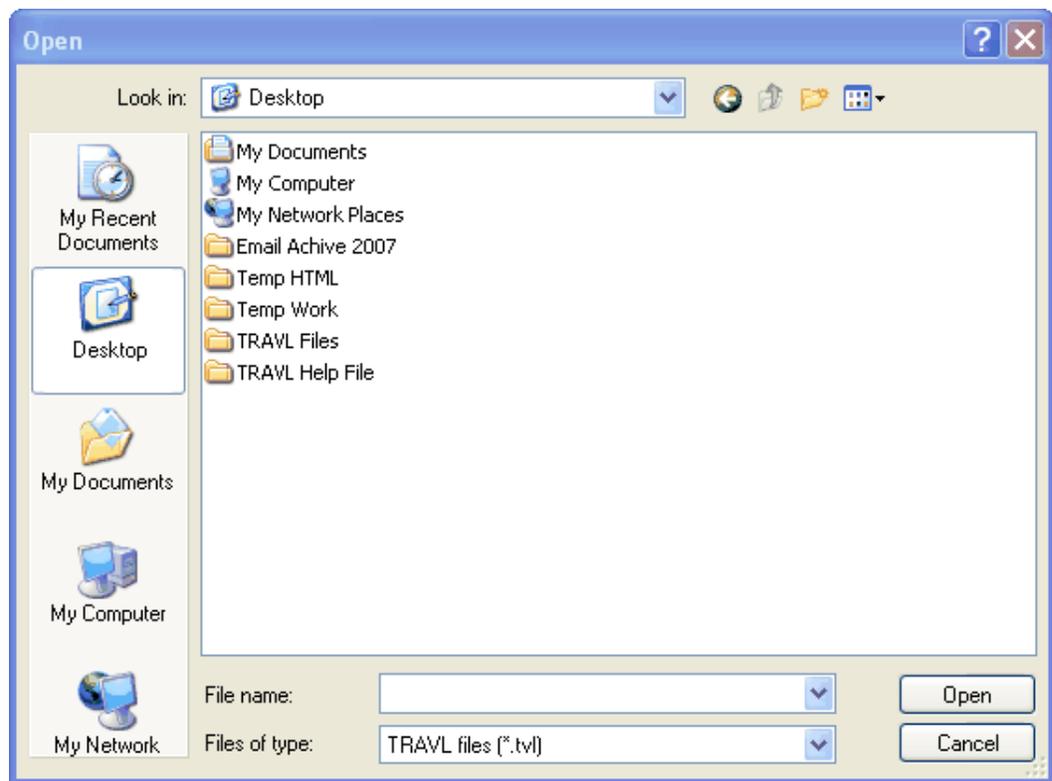


The saved exported file can then be sent via email, or CD, to another TRAVL user to import into their version of TRAVL.

### 3.2.3 Import Assessment



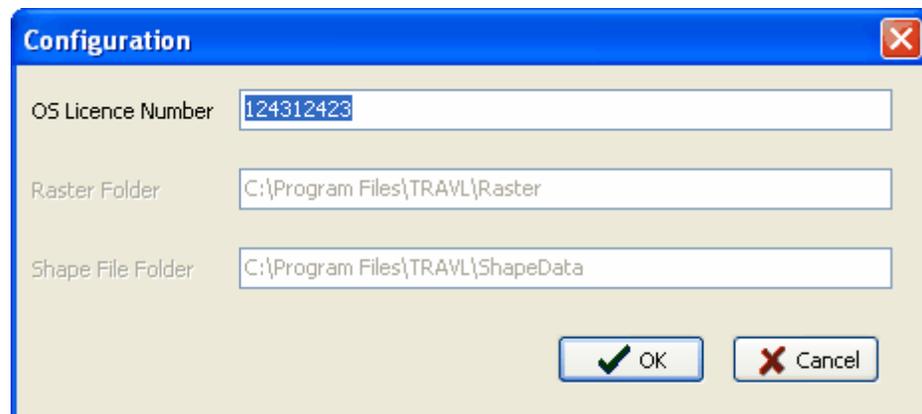
The 'Import Assessment' button can be used to import exported .TVL files sent by another TRAVL user. Pressing this button allows the user to locate and load a .TVL file into their version of TRAVL.



### 3.2.4 Configuration



The 'Configuration' button allows the user to input their OS license number. This is important, as the OS license number must be included with any mapping that is published. Enter the OS License Number into the text box provided and click 'OK'. This will then save the OS License number and attach it to any mapping that is printed from TRAVL.



### 3.2.5 Exit



The 'Exit' button is used to close TRAVL. Make sure you have saved the assessment you are working on before pressing this button. Any unsaved work will be lost.

## 3.3 Survey Tabs

The survey tabs run along the top of the screen just under the navigation buttons. Each survey tab displays a different area of TRAVL.

The screenshot shows the TRAVL 6.08b software interface. The 'Selection' tab is active, displaying a 'Land Use' dropdown menu set to 'A1 - Supermarket'. Below this, there are filter options for 'Predictor Values' (Gross Floor Area and Retail Floor Area), 'Survey Day' (Monday to Saturday), and 'Surveys' (Year, Location, PTAL). A 'Search' button is visible. The 'Filter Results' section contains a table with the following columns: Select, Survey Code, Name, Survey Date, Borough, PTAL, GFA (sq m), RFA, Area, Total Parking, Survey Hrs1, and Travel Plan Information. The table lists various supermarket sites, including Asda, Sainsbury's, and Tesco, with their respective details.

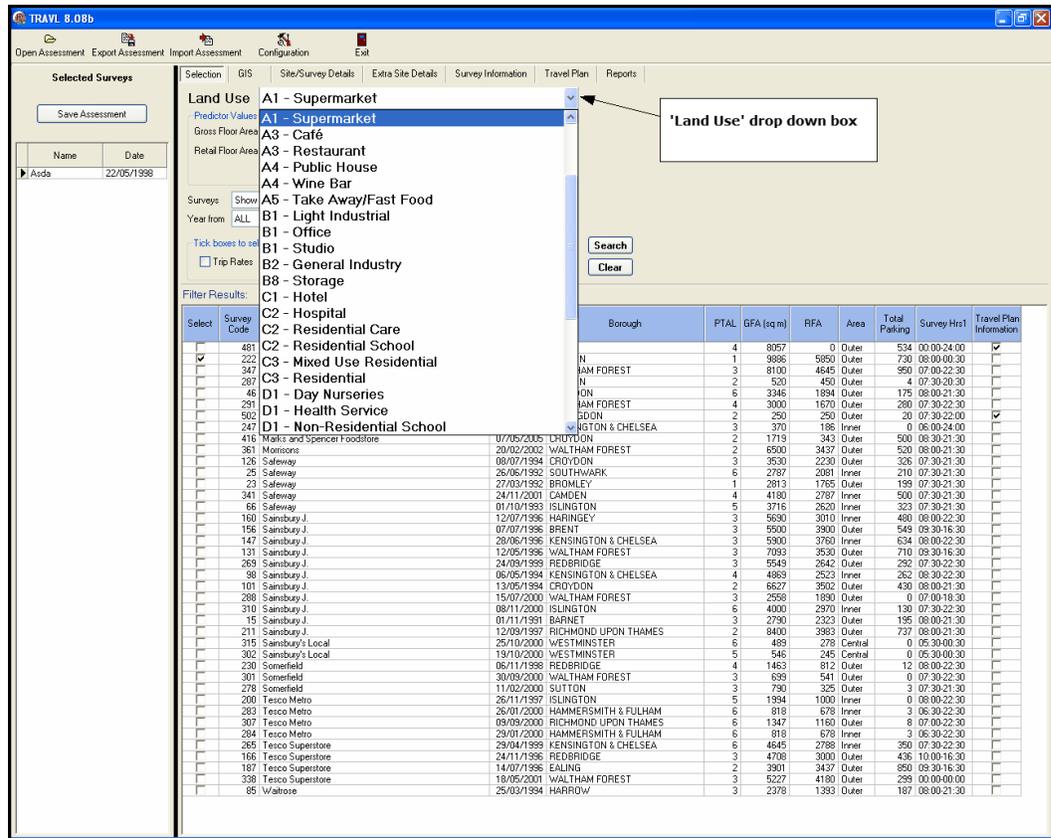
Select	Survey Code	Name	Survey Date	Borough	PTAL	GFA (sq m)	RFA	Area	Total Parking	Survey Hrs1	Travel Plan Information
<input checked="" type="checkbox"/>	481	Asda	13/09/2006	BRENT	4	8057	0	Outer	534	00:00:24:00	<input checked="" type="checkbox"/>
<input type="checkbox"/>	222	Asda	22/05/1998	SUTTON	1	9886	6850	Outer	730	08:00:00:30	<input type="checkbox"/>
<input type="checkbox"/>	347	Asda Superstore	26/01/2002	WALTHAM FOREST	3	8100	4645	Outer	950	07:00:22:30	<input type="checkbox"/>
<input type="checkbox"/>	287	Budgens	23/06/2000	SUTTON	2	520	450	Outer	4	07:30:20:30	<input type="checkbox"/>
<input type="checkbox"/>	46	Co-op	31/07/1992	CROYDON	6	3346	1894	Outer	175	08:00:21:30	<input type="checkbox"/>
<input type="checkbox"/>	291	Co-op Pioneer	14/07/2000	WALTHAM FOREST	4	3900	1670	Outer	289	07:39:22:30	<input type="checkbox"/>
<input type="checkbox"/>	502	Costcutter	20/05/2007	HILLINGDON	2	250	250	Outer	20	07:30:22:00	<input checked="" type="checkbox"/>
<input type="checkbox"/>	247	Harts the Grocer	10/12/1998	KENSINGTON & CHELSEA	3	370	196	Inner	0	06:00:24:00	<input type="checkbox"/>
<input type="checkbox"/>	416	Marks and Spencer Foodstore	07/05/2005	CROYDON	2	1719	343	Outer	500	08:30:21:30	<input type="checkbox"/>
<input type="checkbox"/>	361	Morisons	20/02/2002	WALTHAM FOREST	2	6500	3437	Outer	520	08:00:21:30	<input type="checkbox"/>
<input type="checkbox"/>	126	Safeway	08/07/1994	CROYDON	3	3630	2230	Outer	326	07:30:21:30	<input type="checkbox"/>
<input type="checkbox"/>	25	Safeway	28/06/1992	SOUTHWARK	6	2787	2081	Inner	210	07:30:21:30	<input type="checkbox"/>
<input type="checkbox"/>	23	Safeway	27/03/1992	BROMLEY	1	2813	1763	Outer	198	07:30:21:30	<input type="checkbox"/>
<input type="checkbox"/>	341	Safeway	24/11/2001	CAMDEN	4	4180	2787	Inner	500	07:30:21:30	<input type="checkbox"/>
<input type="checkbox"/>	66	Safeway	01/10/1993	ISLINGTON	5	3716	2620	Inner	223	07:30:21:30	<input type="checkbox"/>
<input type="checkbox"/>	160	Sainsbury J.	12/07/1996	HARINGEY	3	6630	3010	Inner	480	08:00:22:30	<input type="checkbox"/>
<input type="checkbox"/>	196	Sainsbury J.	07/07/1996	BRENT	3	5500	3900	Outer	549	09:30:16:30	<input type="checkbox"/>
<input type="checkbox"/>	147	Sainsbury J.	28/06/1996	KENSINGTON & CHELSEA	3	5900	3780	Inner	634	08:00:22:30	<input type="checkbox"/>
<input type="checkbox"/>	131	Sainsbury J.	12/05/1996	WALTHAM FOREST	3	7033	3630	Outer	710	09:30:16:30	<input type="checkbox"/>
<input type="checkbox"/>	269	Sainsbury J.	24/09/1999	REDBRIDGE	3	6948	2642	Outer	292	07:30:22:30	<input type="checkbox"/>
<input type="checkbox"/>	98	Sainsbury J.	06/05/1994	KENSINGTON & CHELSEA	4	4869	2523	Inner	262	08:30:22:30	<input type="checkbox"/>
<input type="checkbox"/>	101	Sainsbury J.	13/05/1994	CROYDON	2	6627	3900	Outer	430	08:00:21:30	<input type="checkbox"/>
<input type="checkbox"/>	288	Sainsbury J.	15/07/2000	WALTHAM FOREST	3	2558	1890	Outer	0	07:00:18:30	<input type="checkbox"/>
<input type="checkbox"/>	310	Sainsbury J.	08/11/2000	ISLINGTON	6	4000	2970	Inner	130	07:30:22:30	<input type="checkbox"/>
<input type="checkbox"/>	15	Sainsbury J.	01/11/1991	BARNET	3	2790	2323	Outer	195	08:00:21:30	<input type="checkbox"/>
<input type="checkbox"/>	211	Sainsbury J.	12/08/1997	RICHMOND UPON THAMES	2	8400	3883	Outer	737	08:00:21:30	<input type="checkbox"/>
<input type="checkbox"/>	316	Sainsbury's Local	25/10/2000	WESTMINSTER	6	488	278	Central	0	05:30:00:30	<input type="checkbox"/>
<input type="checkbox"/>	302	Sainsbury's Local	19/10/2000	WESTMINSTER	5	546	245	Central	0	05:30:00:30	<input type="checkbox"/>
<input type="checkbox"/>	230	Somerfield	06/11/1998	REDBRIDGE	4	1463	812	Outer	12	08:00:22:30	<input type="checkbox"/>
<input type="checkbox"/>	301	Somerfield	30/09/2000	WALTHAM FOREST	3	539	541	Outer	0	07:30:21:30	<input type="checkbox"/>
<input type="checkbox"/>	278	Somerfield	11/02/2000	SUTTON	3	790	325	Outer	3	07:30:21:30	<input type="checkbox"/>
<input type="checkbox"/>	200	Tesco Metro	26/11/1997	ISLINGTON	5	1994	1000	Inner	0	08:00:22:30	<input type="checkbox"/>
<input type="checkbox"/>	283	Tesco Metro	26/01/2000	HAMMERSMITH & FULHAM	6	818	678	Inner	3	06:30:22:30	<input type="checkbox"/>
<input type="checkbox"/>	307	Tesco Metro	09/09/2000	RICHMOND UPON THAMES	6	1347	1160	Outer	8	07:00:22:30	<input type="checkbox"/>
<input type="checkbox"/>	284	Tesco Metro	29/01/2000	HAMMERSMITH & FULHAM	6	818	678	Inner	3	06:30:22:30	<input type="checkbox"/>
<input type="checkbox"/>	265	Tesco Superstore	29/04/1999	KENSINGTON & CHELSEA	6	4645	2788	Inner	250	07:30:22:30	<input type="checkbox"/>
<input type="checkbox"/>	166	Tesco Superstore	24/11/1996	REDBRIDGE	3	4708	3000	Outer	436	10:00:16:30	<input type="checkbox"/>
<input type="checkbox"/>	187	Tesco Superstore	14/07/1996	EALING	2	3901	3437	Outer	850	09:30:16:30	<input type="checkbox"/>
<input type="checkbox"/>	338	Tesco Superstore	18/05/2001	WALTHAM FOREST	3	5227	4180	Outer	299	00:00:00:00	<input type="checkbox"/>
<input type="checkbox"/>	85	Wahrore	25/03/1994	HARROW	3	2378	1393	Outer	187	08:00:21:30	<input type="checkbox"/>

### 3.3.1 Selection

The 'Selection' tab is the starting point for all new assessments in TRAVL. This tab allows you to select the land use you are searching for, as well as allowing you to filter the surveys returned.

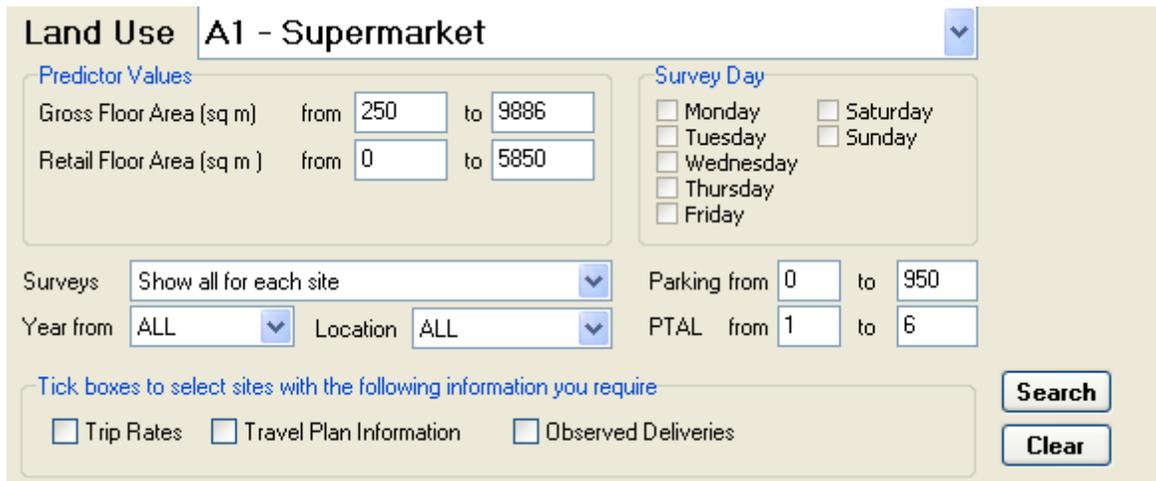
#### 3.3.1.1 Selecting a New Land Use

To select a new land use click on 'Land Use' drop down box. This will display all the land uses currently available in TRAVL. When a land use has been selected all the surveys relating to it are displayed in the 'Filter Results' area.



3.3.1.2 Using the Filter Options

Below the 'Land Use' drop down box, a number of options are available to filter the surveys. These can be used to filter down land uses with high numbers of surveys, and also to search for the most appropriate survey site(s).



The 'Predictor Values' section allows you to set the predictor range. The predictors included depend on the type of land use selected. For instance, B1 office would include a predictor for

'Number of Employees' and C3 residential would include a predictor 'Number of Dwellings'. Setting the range for the predictors will only return surveys that fall within that range.

The 'Survey Day' section allows you to select the days of the week surveyed. The filter will return only the surveys that were undertaken on the days selected.

The 'Surveys' section is where you can select if surveys from a particular site are displayed, or whether just the latest survey from that site is displayed.

The 'Year From' section allows you to filter for surveys from a particular year, allowing you to choose the most recent surveys only.

The 'Parking' section enables you to select a range of the number of parking spaces; only surveys within that range are returned.

The 'PTAL' section enables you to select a PTAL range between 1 and 6; only surveys within that range are returned.

The 'Tick boxes to select sites with the following information you require' section allows you to filter the surveys so that only the surveys that contain the type of data ticked are returned. The following options are available:

- Trip Rates;
- Travel Plan Information; and
- Observed Deliveries.



*If you just wish to capture trip rate data from sites, please make sure you select 'Trip Rates' in the filter options area. This will remove any survey site that does not contain trip count data. There are a number of sites within TRAVL now that have been imported from iTRACE, as travel plan surveys, these sites do not contain trip rate data and should not be included in your final selection.*

### 3.3.1.3 Selecting Surveys

When you have selected a land use and have set the relevant filters, it is time to select the survey sites you want to use from the surveys shown in the table. It is worth checking each survey site that remains in the list to make sure it is relevant to the particular site you are looking at. This can be achieved by checking both the site and survey details.

The screenshot shows the TRAVL 8.09b software interface. The 'Selected Surveys' section on the left lists various survey sites with their names and dates. A 'Save Assessment' button is visible above this list. The main workspace displays a table of survey results with columns for Survey Date, Borough, PTAL, GFA (sqm), RFA, Area, Total Parking, Survey Hrs, and Travel Plan Information. A 'Filter Results' section is also visible, allowing users to select surveys by name.

Select	Survey Name	Survey Date	Borough	PTAL	GFA (sqm)	RFA	Area	Total Parking	Survey Hrs	Travel Plan Information
<input type="checkbox"/>	222 Asda	13/09/2006	BRENT	4	8057	0	Outer	534	00:00:24:00	<input type="checkbox"/>
<input type="checkbox"/>	247 Asda Superstore	22/05/1998	SUTTON	1	8886	6850	Outer	730	08:00:00:30	<input type="checkbox"/>
<input type="checkbox"/>	297 Bujdens	26/01/2002	WALTHAM FORES	3	8100	4645	Outer	950	07:00:22:30	<input type="checkbox"/>
<input type="checkbox"/>	46 Co-op	23/08/2000	SUTTON	2	520	450	Outer	4	07:30:00:30	<input type="checkbox"/>
<input type="checkbox"/>	291 Co-op Pioneer	31/07/1992	CROYDON	6	3346	1894	Outer	175	08:00:21:30	<input type="checkbox"/>
<input checked="" type="checkbox"/>	502 Costcutter	14/07/2000	WALTHAM FORES	4	3000	1670	Outer	280	07:30:22:30	<input type="checkbox"/>
<input checked="" type="checkbox"/>	247 Hain the Grocer	20/05/2007	HILLINGDON	2	250	250	Outer	30	07:30:22:00	<input type="checkbox"/>
<input checked="" type="checkbox"/>	416 Marks and Spencer Foodstore	10/12/1998	KENSINGTON & CH	3	370	188	Inner	0	05:00:24:00	<input type="checkbox"/>
<input type="checkbox"/>	361 Morrison's	07/05/2005	CROYDON	2	1719	343	Outer	500	08:30:21:30	<input type="checkbox"/>
<input type="checkbox"/>	126 Safeway	20/02/2002	WALTHAM FORES	2	6900	3437	Outer	520	08:00:21:30	<input type="checkbox"/>
<input type="checkbox"/>	25 Safeway	08/07/1994	CROYDON	3	3530	2230	Outer	325	07:30:21:30	<input type="checkbox"/>
<input type="checkbox"/>	23 Safeway	26/06/1992	SOUTHWARK	6	2787	2081	Inner	210	07:30:21:30	<input type="checkbox"/>
<input type="checkbox"/>	341 Safeway	27/03/1992	BROMLEY	1	2813	1765	Outer	199	07:30:21:30	<input type="checkbox"/>
<input type="checkbox"/>	66 Safeway	24/11/2001	CANDEH	4	4180	2787	Inner	500	07:30:21:30	<input type="checkbox"/>
<input type="checkbox"/>	160 Sainsbury J.	07/10/1993	ISLINGTON	5	3716	2620	Inner	323	07:30:21:30	<input type="checkbox"/>
<input type="checkbox"/>	196 Sainsbury J.	12/07/1996	HARINGEY	3	5690	3010	Inner	480	08:00:22:30	<input type="checkbox"/>
<input type="checkbox"/>	147 Sainsbury J.	07/07/1996	BRENT	3	6900	3800	Outer	549	09:30:16:30	<input type="checkbox"/>
<input type="checkbox"/>	131 Sainsbury J.	20/06/1996	KENSINGTON & CH	3	6900	3760	Inner	634	08:00:22:30	<input type="checkbox"/>
<input type="checkbox"/>	269 Sainsbury J.	12/05/1996	WALTHAM FORES	3	7093	3530	Outer	710	09:30:16:30	<input type="checkbox"/>
<input type="checkbox"/>	98 Sainsbury J.	24/08/1999	REDBRIDGE	3	6549	2642	Outer	292	07:30:22:30	<input type="checkbox"/>
<input type="checkbox"/>	101 Sainsbury J.	06/05/1994	KENSINGTON & CH	4	4683	2523	Inner	262	08:30:22:30	<input type="checkbox"/>
<input type="checkbox"/>	288 Sainsbury J.	13/05/1994	CROYDON	2	6827	3602	Outer	493	08:00:21:30	<input type="checkbox"/>
<input type="checkbox"/>	310 Sainsbury J.	15/07/2000	WALTHAM FORES	3	2558	1890	Outer	0	07:00:18:30	<input type="checkbox"/>
<input type="checkbox"/>	15 Sainsbury J.	08/11/2000	ISLINGTON	6	4000	2970	Inner	130	07:30:22:30	<input type="checkbox"/>
<input type="checkbox"/>	315 Sainsbury's Local	07/11/1991	BARNET	3	2790	2323	Outer	195	08:00:21:30	<input type="checkbox"/>
<input type="checkbox"/>	302 Sainsbury's Local	12/09/1997	RICHMOND UPON	2	8400	3983	Outer	737	08:00:21:30	<input type="checkbox"/>
<input type="checkbox"/>	230 Somerfield	25/10/2000	WESTMINSTER	6	483	278	Central	0	05:30:00:30	<input type="checkbox"/>
<input type="checkbox"/>	301 Somerfield	19/10/2000	WESTMINSTER	5	545	245	Central	0	05:30:00:30	<input type="checkbox"/>
<input type="checkbox"/>	278 Somerfield	06/11/1998	REDBRIDGE	4	1463	812	Outer	12	08:00:22:30	<input type="checkbox"/>
<input type="checkbox"/>	200 Tesco Metro	30/09/2000	WALTHAM FORES	3	699	541	Outer	0	07:30:22:30	<input type="checkbox"/>
<input type="checkbox"/>	283 Tesco Metro	11/02/2000	SUTTON	3	790	325	Outer	3	07:30:21:30	<input type="checkbox"/>
<input type="checkbox"/>	307 Tesco Metro	25/11/1997	ISLINGTON	5	1994	1000	Inner	0	08:00:22:30	<input type="checkbox"/>
<input type="checkbox"/>	284 Tesco Superstore	26/01/2000	HAMMERSMITH &	6	818	678	Inner	3	06:30:22:30	<input type="checkbox"/>
<input type="checkbox"/>	166 Tesco Superstore	08/08/2000	RICHMOND UPON	6	1347	1160	Outer	8	07:00:22:30	<input type="checkbox"/>
<input type="checkbox"/>	187 Tesco Superstore	23/01/2000	HAMMERSMITH &	6	818	678	Inner	3	06:30:22:30	<input type="checkbox"/>
<input type="checkbox"/>	339 Tesco Superstore	25/04/1999	KENSINGTON & CH	6	4645	2788	Inner	360	07:30:22:30	<input type="checkbox"/>
<input type="checkbox"/>	85 Waitrose	24/11/1996	REDBRIDGE	3	4708	3000	Outer	436	10:00:16:30	<input type="checkbox"/>
<input type="checkbox"/>		14/07/1996	EALING	2	3901	3437	Outer	850	09:30:16:30	<input type="checkbox"/>
<input type="checkbox"/>		18/05/2001	WALTHAM FORES	3	6227	4180	Outer	295	00:00:00:00	<input type="checkbox"/>
<input type="checkbox"/>		25/03/1994	HARROW	3	2378	1393	Outer	187	08:00:21:30	<input type="checkbox"/>

To select the surveys you want to use, select them from the 'Filter Results' section by placing a tick in the box next to the name of the survey. When a survey is ticked it will appear in the selected surveys box to the left of the screen. You can select more than one survey; this means that the trip rate calculated in the reports section, discussed later, will be an average of the selected sites. To get trip rates for a single site make sure that the site you want is the only one selected.

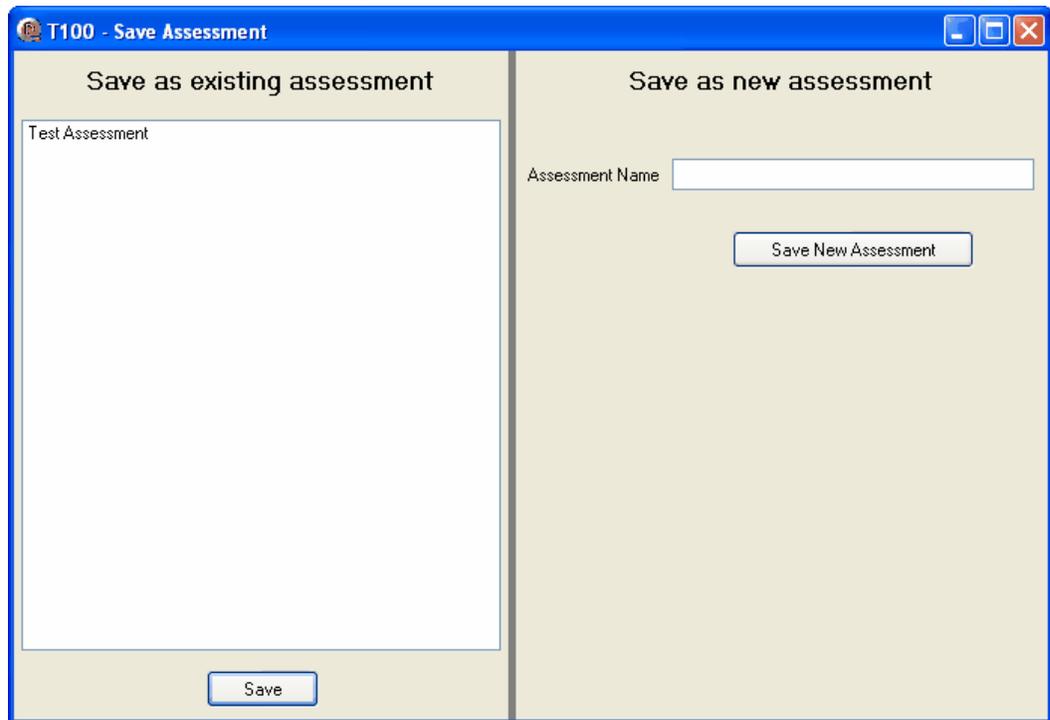
### 3.3.1.4 Saving an Assessment

To save an assessment, click the 'Save Assessment' button.

Save Assessment

Saving an assessment will enable the user to return to the selected survey sites in the future, rather than having to repeat the filtering process over again.

When the 'Save Assessment' dialogue box appears, this requires the user to input a name to save the assessment. Click the 'Save New Assessment' button to complete the process.

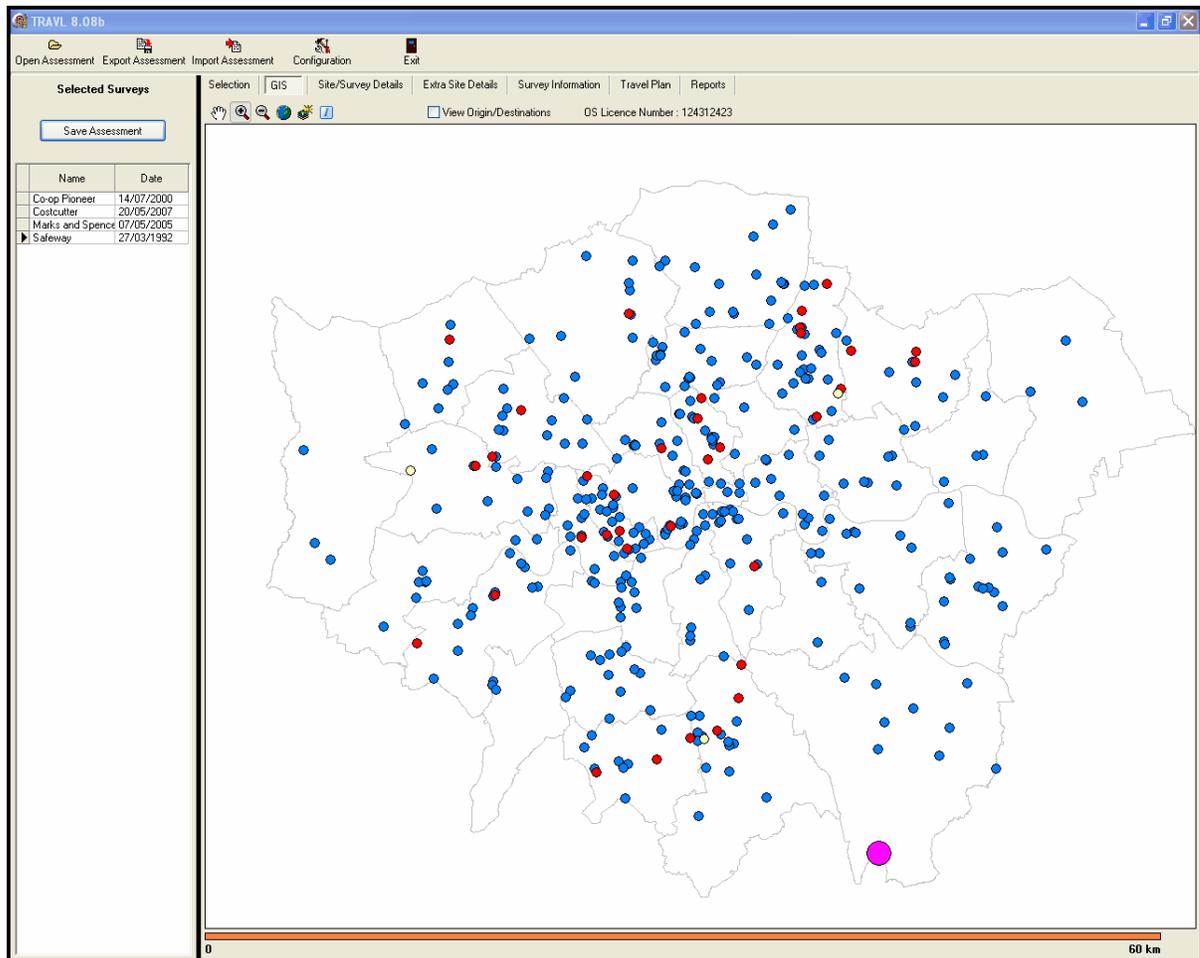


The screenshot shows a window titled "T100 - Save Assessment". It is divided into two main sections. The left section, "Save as existing assessment", features a large text area containing the text "Test Assessment" and a "Save" button at the bottom. The right section, "Save as new assessment", includes a text input field labeled "Assessment Name" and a "Save New Assessment" button below it.

For instructions on how to open a saved assessment, please see the [Open Assessment](#) <sup>23</sup> section of this guide .

### 3.3.2 GIS

The 'GIS' screen displays a map of all 33 London Boroughs. The blue dots on the map represent the locations of all the surveys within the database, the red dots represent the surveys within the current selected land use, the yellow dots represent the origin/destination data for the selected survey(s) and the large purple dot represents the actual location of the selected survey(s).



### 3.3.2.1 GIS Buttons

The following buttons are used to navigate and control the 'GIS' screen.

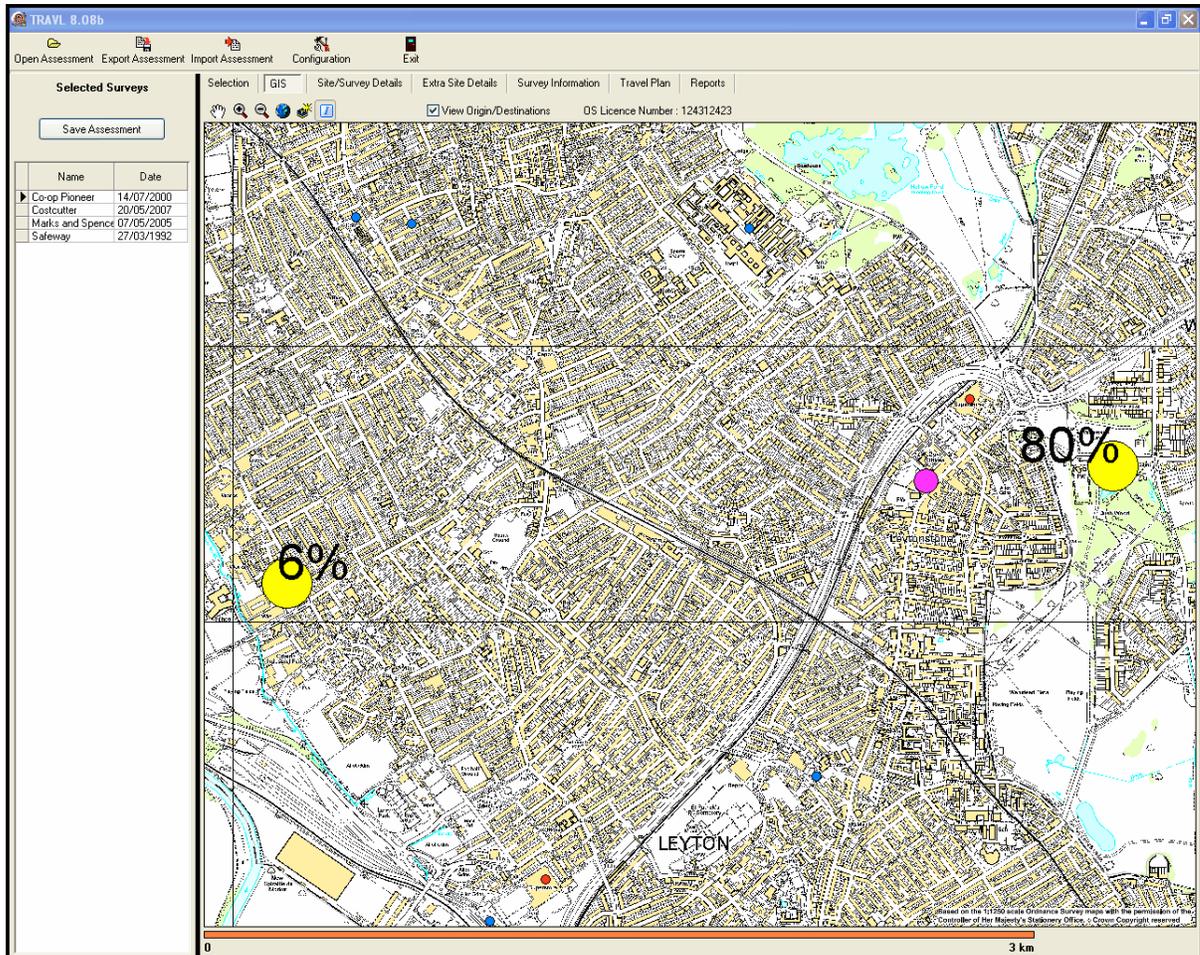


The first button is in the form of a white hand and is called the 'Pan' button. Clicking on this button will enable you to pan around the mapping. To do this, after you have clicked on the 'Pan' button, click and hold down the left mouse button whilst the pointer is over the mapping. You will now be able to pan the mapping by moving your mouse. To stop panning the mapping release the left button and click on the 'Pan' button again.

The '[Configuration](#)' <sup>[26]</sup> section describes how to import background OS mapping into the database. The 'configuration' button allows the user to input their OS license number, which must be used with mapping that is published. Once imported, the OS mapping can be seen in the background to this map.

The next two buttons are the 'Zoom In' and 'Zoom Out' buttons. These work in a similar way to the 'Pan' button. To do this, select the 'Zoom In' button, click and hold down the left mouse

button whilst the pointer is over the mapping. You will now be able to draw a rectangle over the area that is to be zoomed into. To zoom out, click on the 'Zoom Out' button, and then click anywhere on the map.



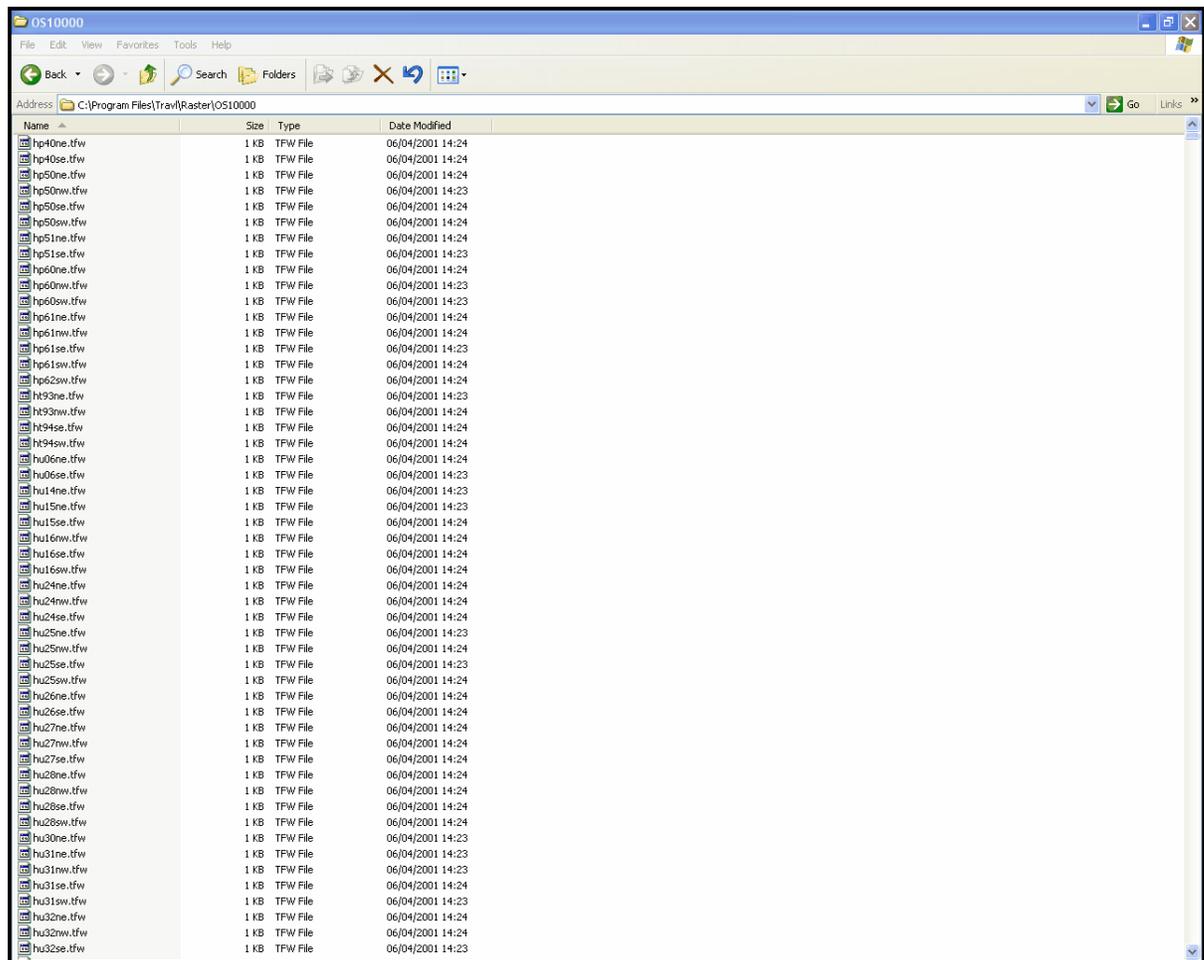
The 'Zoom Extents' button returns the mapping to its full extents. This is useful if you have zoomed in closely and want to return quickly to the full map. To do this, select the 'Zoom Extents' button, and then click anywhere on the map.

The 'Map Legend' button shows you what each circle represents on the map. When pressed the legend is displayed.

The 'Identify Survey' button allows you to identify the survey each circle represents. When this button is selected, if you click on a circle the survey details are displayed. This is useful if you want to identify other surveys close to the one you have selected.

### 3.3.2.2 Adding Mapping to TRAVL

Mapping tiles need to be imported into the TRAVL folder to enable the 'GIS' tab to display mapping. To do this copy the mapping tiles, the .twf and .tif files, into the following directory: C:\Program Files\TRAVL\Raster\OS10000, replacing all previous files in this folder.



The mapping should now be visible when zooming in on the 'GIS' tab.

### 3.3.3 Site and Survey Details

The 'Site and Survey' Details' tab displays information about the survey highlighted in the 'Selected Survey' section.

**Survey Details:**

Predictor	Value
Gross Floor Area (sq m)	2813
Retail Floor Area (sq m)	1765

Features	No
Managed Parking	No
Street Parking Control	w/ Restrictions

Opening Hours	
Mon	
Tue	
Wed	
Thu	
Fri	08:00-21:00
Sat	
Sun	

Date:  Survey Code:  Travel Plan:

Times:  PTAL:  Delivery Data:  Work Program:

Site Notes:

Survey Notes:

Facilities:

Double click to expand memo fields

The 'Site Details' section displays information about the site. The 'Data Source' box indicates whether the survey originates from a TRAVL or iTRACE survey. If a photo of the site is present it can be viewed by pressing the 'View Photo' button.

The 'Survey Details' section displays information about the survey of the selected site. This includes floor areas, features of the site, opening hours, date and time of the survey and PTAL.

The text boxes display site notes, survey notes and facilities at the site.

### 3.3.4 Extra Site Details

The 'Extra Site Details' tab displays summary counts undertaken during the survey. There is a description column, describing the type of count, with a count column displaying the count.

Description	Count
<b>Group : Parking</b>	
Parking for visitors	191
Parking for disabled	8
Load Bays	1
Total parking spaces	199
<b>Group : Predictors</b>	
Gross Floor Area (sq m)	2813
Retail Floor Area (sq m)	1765
Employees	181
<b>Group : Size measures</b>	
Part Time Employees	109
Full Time Employees	72
Tills	17

### 3.3.5 Survey Information

The 'Survey Information' tab features a number of radial buttons that, when selected, display raw survey information. This data can be used as a quick look reference.

Selection   GIS   Site/Survey Details   Extra Site Details   Survey Information   Travel Plan   Reports					
Survey:					
Name	Safeway		Address 168 Main Road, Biggin Hill, BROMLEY, TN16 3BB		
Date	27/03/1992				
Data to show					
<input checked="" type="radio"/> Journey Mode		<input type="radio"/> Parked Vehicles		<input type="radio"/> PTA	
<input type="radio"/> Mode By Interview Type		<input type="radio"/> Parking			
<input type="radio"/> Origins		<input type="radio"/> Deliveries			
Journey Mode	Timeband	Journeys In	Journeys Out	Occ In	Occ Out
All Car Drivers	07:30-08:00	40	4	0	0
	08:00-08:30	63	35	0	0
	08:30-09:00	76	56	0	0
	09:00-09:30	104	76	0	0
	09:30-10:00	120	77	0	0
	10:00-10:30	105	96	0	0
	10:30-11:00	130	113	0	0
	11:00-11:30	111	99	0	0
	11:30-12:00	128	144	0	0
	12:00-12:30	103	122	0	0
	12:30-13:00	109	113	0	0
	13:00-13:30	94	106	0	0
	13:30-14:00	90	88	0	0
	14:00-14:30	113	88	0	0
	14:30-15:00	128	108	0	0
	15:00-15:30	94	116	0	0
	15:30-16:00	135	134	0	0
	16:00-16:30	102	95	0	0
	16:30-17:00	130	137	0	0
	17:00-17:30	132	136	0	0
	17:30-18:00	110	115	0	0
18:00-18:30	100	116	0	0	
18:30-19:00	80	118	0	0	
19:00-19:30	65	76	0	0	
19:30-20:00	60	93	0	0	
20:00-20:30	15	52	0	0	
20:30-21:00	13	32	0	0	
21:00-21:30	0	4	0	0	
Car Passenger	07:30-08:00	0	0	12	2
	08:00-08:30	0	0	18	10
	08:30-09:00	0	0	23	17
	09:00-09:30	0	0	32	23
	09:30-10:00	0	0	36	23
	10:00-10:30	0	0	32	30
	10:30-11:00	0	0	38	33
	11:00-11:30	0	0	32	30
	11:30-12:00	0	0	38	43
	12:00-12:30	0	0	31	37
	12:30-13:00	0	0	33	33
	13:00-13:30	0	0	29	32
	13:30-14:00	0	0	29	27
	14:00-14:30	0	0	34	27
	14:30-15:00	0	0	39	33
	15:00-15:30	0	0	29	35
	15:30-16:00	0	0	40	40
	16:00-16:30	0	0	31	28
	16:30-17:00	0	0	38	41
	17:00-17:30	0	0	38	41
	17:30-18:00	0	0	33	35
18:00-18:30	0	0	30	35	
18:30-19:00	0	0	24	36	
19:00-19:30	0	0	20	22	

### 3.3.5.1 Journey Mode

The 'Journey Mode' radial button displays a table with each transport mode broken down into time periods. Each time period has a 'Journeys In', 'Journeys Out', 'Occupants In' and 'Occupants Out' column. The occupant's column is used to display number of occupants, rather than number vehicles for certain modes. For example, the taxi mode count will be displayed in the occupant's column to show the number of people using the taxi mode to access the site, rather than the number of taxis that access the site.

Journey Mode	Timeband	Journeys In	Journeys Out	Occ In	Occ Out
All Car Drivers	07:00-07:30	4	7	0	0
	07:30-08:00	5	10	0	0
	08:00-08:30	6	12	0	0
	08:30-09:00	6	14	0	0
	09:00-09:30	11	9	0	0
	09:30-10:00	7	9	0	0
	10:00-10:30	7	7	0	0
	10:30-11:00	7	11	0	0
	11:00-11:30	7	11	0	0
	11:30-12:00	12	10	0	0
	12:00-12:30	10	9	0	0
	12:30-13:00	13	9	0	0
	13:00-13:30	6	4	0	0
	13:30-14:00	6	4	0	0
	14:00-14:30	7	4	0	0
	14:30-15:00	8	8	0	0
	15:00-15:30	10	11	0	0
	15:30-16:00	9	5	0	0
	16:00-16:30	9	4	0	0
	16:30-17:00	8	7	0	0
	17:00-17:30	12	7	0	0
	17:30-18:00	9	9	0	0
	18:00-18:30	12	7	0	0
	18:30-19:00	13	14	0	0
19:00-19:30	9	6	0	0	
19:30-20:00	10	8	0	0	
20:00-20:30	10	4	0	0	
20:30-21:00	10	10	0	0	
21:00-21:30	8	5	0	0	
21:30-22:00	4	2	0	0	
Car Passenger	07:00-07:30	0	0	1	1
	07:30-08:00	0	0	0	6
	08:00-08:30	0	0	2	4
	08:30-09:00	0	0	0	5
	09:00-09:30	0	0	1	1
	09:30-10:00	0	0	0	1
	10:00-10:30	0	0	0	0
	10:30-11:00	0	0	1	1
	11:00-11:30	0	0	0	1
	11:30-12:00	0	0	0	0
	12:00-12:30	0	0	3	1
	12:30-13:00	0	0	0	1
	13:00-13:30	0	0	1	1
	13:30-14:00	0	0	2	0
	14:00-14:30	0	0	2	0
	14:30-15:00	0	0	1	0
	15:00-15:30	0	0	3	1
15:30-16:00	0	0	3	1	
16:00-16:30	0	0	4	1	
16:30-17:00	0	0	4	1	
17:00-17:30	0	0	5	0	
17:30-18:00	0	0	5	1	

### 3.3.5.2 Mode by Interview Type

The 'Mode by Interview Type' radial button displays a table with 'Type of Interview' broken down into transport modes.

Main or Final Mode	Interview Type	Mode	Count
Main	Residents	All Car Drivers	537
		Car Passenger	99
		Bus	43
		Underground	34
		Pedal Cycle	40
	Walk	207	
	Visitor	All Car Drivers	136
		Car Passenger	4
		Bus	7
		Underground	14
Walk		101	
Final	Residents	All Car Drivers	413
		Car Passenger	83
		Bus	36
		Pedal Cycle	39
		Walk	389
	Visitor	All Car Drivers	82
		Car Passenger	4
		Bus	3
		Walk	173

### 3.3.5.3 Origin / Destination

The 'Origin/Destination' radial button displays a table with all postcodes travel to and from the site. Each postcode has a percentage displayed to show what proportion of the respondents travel to and from the site at that location.

Postcode	% Travel From	% Travel To
ELSEWHERE	40.00	54.00
Sw13	2.00	1.00
Sw17	2.00	2.00
Sw7	2.00	1.00
Tw1	2.00	2.00
Tw10	2.00	2.00
Tw10 7	2.00	2.00
Tw11	2.00	2.00
Tw8 9	2.00	2.00
Tw9	14.00	18.00
Tw9 3	10.00	4.00
Tw9 4	11.00	9.00
w4	2.00	0.00
w4 4	3.00	0.00
w6 7	2.00	0.00
wC2	2.00	1.00

### 3.3.5.4 Parked Vehicles

The 'Parked Vehicles' radial button displays a table showing how many cars were parked at the site at the beginning and end of the survey.

Vehicle Type	Parked Start	Parked End
Car	0	18

### 3.3.5.5 Parking

The 'Parking' radial button displays a table show the parking locations of each type of interview type.

Interview Type	OnSite	Off Street	On Street	Other
Resident Private	211	0	0	0

### 3.3.5.6 Deliveries

The 'Deliveries' radial button displays a table showing the number of deliveries to the site by vehicle type and time period.

Vehicle Type	Timeband	Inbound	Outbound
Rigid 2 axles	15:15-15:30	2	0
	10:30-10:45	1	0
Rigid 3 Axles	10:45-11:00	1	0
	11:15-11:30	1	1
	07:15-07:30	1	1
Small Van	07:30-07:45	1	0
	07:45-08:00	0	1
	08:30-08:45	0	1
	09:00-09:15	1	1
	09:15-09:30	1	0
	09:30-09:45	1	1
	09:45-10:00	3	1
	10:00-10:15	0	1
	10:15-10:30	1	0
	10:45-11:00	1	2
	12:15-12:30	1	0
	12:30-12:45	0	1
	13:15-13:30	1	0
	14:30-14:45	1	1
	14:45-15:00	1	0
	15:45-16:00	1	0
	16:00-16:15	0	1
	16:15-16:30	1	0
	16:45-17:00	0	1
	17:15-17:30	1	0
	17:30-17:45	0	1
17:45-18:00	1	1	
18:15-18:30	1	0	
18:30-18:45	0	2	
19:45-20:00	1	0	
20:15-20:30	1	0	
21:45-22:00	1	0	
Transit (2 axle < 7.5 Tonnes)	10:15-10:30	0	2
	10:30-10:45	1	0
	11:15-11:30	1	1
	12:00-12:15	1	0
	14:00-14:15	1	0
	14:30-14:45	0	1
	15:00-15:15	0	1
	15:30-15:45	4	1
	16:45-17:00	1	0
19:45-20:00	1	0	
Transit (Single rear tyre)	07:15-07:30	0	1
	07:30-07:45	1	0
	07:45-08:00	0	1
	08:00-08:15	1	0
	08:15-08:30	2	3
	09:15-09:30	1	0
	09:45-10:00	2	2
	10:00-10:15	1	0
	10:15-10:30	3	3
	10:30-10:45	1	1

### 3.3.5.7 PTAL

The 'PTAL Radial button shows the public transport accessibility information for the survey. This is correct for the time the survey was carried out.

Mode	Route	Distance	Frequency	PTAL	
Bus	Vauxhall Stn N/B - R88	373	9	6	
	Nine Elms Ln - R344	230	6	6	
	Nine Elms Ln - R44	230	6	6	
	Vauxhall Stn Bondway - R2	510	9	6	
	Vauxhall Stn Bondway - R185	510	6	6	
	Vauxhall Stn Bondway - R36	510	8	6	
	Vauxhall Stn Bondway - R436	510	8	6	
	Vauxhall Stn N/B - R322	373	5	6	
	Vauxhall Stn N/B - R360	373	5	6	
	Vauxhall Stn N/B - R77	373	6	6	
	Nine Elms Ln - R156	230	6	6	
	Vauxhall Stn N/B - R77A	373	9	6	
	Rail	Vauxhall Stn - Epsom	348	1	6
		Vauxhall Stn - Guildford	348	4	6
		Vauxhall Stn - Hampton C	348	6	6
		Vauxhall Stn - Portsmouth	348	1	6
		Vauxhall Stn - Reading	348	3	6
Vauxhall Stn - Shpperton		348	4	6	
Vauxhall Stn - Staines		348	1	6	
Vauxhall Stn - Waterloo		348	28	6	
Vauxhall Stn - Woking		348	3	6	
Vauxhall Stn - Chessington		348	5	6	
Underground		Victoria Line	348	28	6

### 3.3.6 Travel Plan

Information under this 'Travel Plan' tab now collected at the majority of survey sites surveyed in TRAVL, irrespective of whether the site has a travel plan. The information collected from the Management and Travel Plan questionnaires is fed into TRAVL. The travel plan table contains information about facilities at the site, which encourage sustainable travel, such as the number of cycle parking spaces, whether the site has a car sharing scheme or car club and changing facilities etc... If the site surveyed has developed a travel plan, details of this are shown in the table as well.

Selection	GIS	Site/Survey Details	Extra Site Details	Survey Information	Travel Plan	Reports
-----------	-----	---------------------	--------------------	--------------------	-------------	---------

Site Name	Costcutter	Address	Taywood Rd.Grand Union Village, Northolt, HILLINGDON, UB5 6
Plan Date	20/05/2007		
Plan No.	1	Planning Application No.	

Question Responses			
No	Question	Response	Details
QuestionGroup : A Site Details			
1	Gross floor area	250	
2	Employees - full time	0	
2	Employees - part time	0	
3	More than 10 visitors per day		
4	Parking:		
4	- for employees	0	
4	- for visitors	20	
4	- for disabled	0	
4	- for motorcycles	0	
4	- for bicycles	0	
4	- delivery bays	0	
5	Deliveries per week	0	
QuestionGroup : B: Survey			
22	Employees present		
23	Visitors present		
24	Deliveries		
25	Exceptional circumstances		
26	Questionnaires issued		
QuestionGroup : C: Travel Plan Elements			
6	Travel plan co-ordinator		
7	Travel Plan Document		
7	Managed car park		
7a	Restricted parking permits		
7a	Parking charges		
7a	Enforcement		
7a	Enforcement details		
8	Personal journey planning		
9	Car share scheme		
9a	Car share scheme members		
10	Car club		
10a	Car club members		
11	Taxi service		
12	Flexible working hours		
13	Working from home		
14	Shower facilities		
15	Locker facilities		
16	Public transport travel card subsidy		
17	Alternative fuel vehicles		
18	Operates Freight		
18a	Freight travel plan		
18b	- has alternative fueled vehicles		
18b	- has driver efficiency training		
18b	- has risk management		
19	Special travel plan events		
20	Other travel plan measures		

Percent Main Mode Split			
Mode	All	Visitors	Staff
All Car Drive	18.7	18.1	62.5
Car Passeng	7.8	8	
Pedal Cycle	1.7	1.7	
Taxi	0.2	0.2	
Underground	2.7	2.7	
Walk	68.8	69.3	37.5

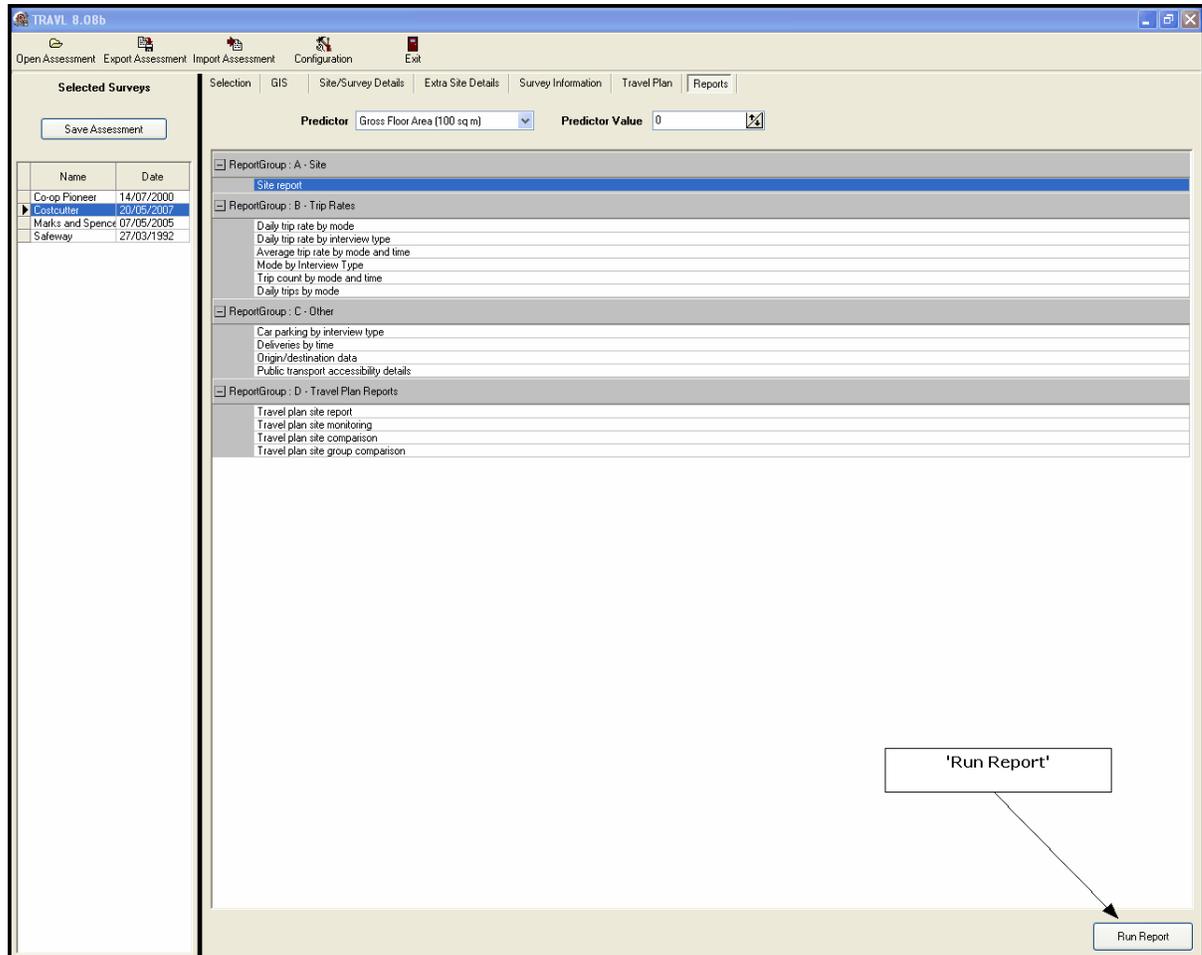
Further Information	
Bike and Train 0%	
Train and Bike 0%	
Other Travel Plan Measures	
No Travel Plan	

### 3.4 Reports

The 'Reports' tab displays the results of a number of calculations that aid the interpretation of the data.

A survey must be selected and visible in the 'Selected Surveys' table before a report can be produced. If more than one survey is selected, then the surveys will be combined in the report. The chosen predictor and version number of the database being used are shown at the bottom of the reports.

To produce a report, either select the report and click 'Run Report' button at the bottom of the screen or simply double click the report. The selected report will then be presented in a new window.



The 'Reports' tab shows the selection of reports available. Those available are listed below:

### Trip Rates

- Daily Trip Rate by Mode;
- Daily Trip Rate by Interview Type;
- Average Trip Rate by Mode and Time;
- Mode by Interview Type;
- Trip Count by Mode and Time; and
- Daily Trips by Mode

### Other

- Car Parking by Interview Type;
- Deliveries by Time;
- Origin / destination data; and

- Public Transport Accessibility Details

### Travel Plan Reports

- Travel Plan Site Report;
- Travel Plan Site Monitoring;
- Travel Plan Site Comparison; and
- Travel Plan Site Group Comparison

## 3.4.1 Selecting a Predictor



The screenshot shows a software interface with two main fields. On the left, there is a dropdown menu labeled 'Predictor' with the text 'Gross Floor Area (100 sq m)' and a downward arrow. On the right, there is a text input field labeled 'Predictor Value' containing the number '0' and a small icon with four arrows pointing outwards.

Before selecting a report to view, a 'Predictor' and 'Predictor Value' must first be set.

It is up to the user to select the most appropriate predictor for their needs. For example, if you are looking at residential land use you can choose to generate trips rates as per 100 sqm (site area), per dwelling/unit (number of dwellings) or per room.

The 'Predictor Value' can be entered based on the user's requirements, depending on the size of their proposed site. When a report is produced, the software will then estimate the number of trips to and from the site by mode and time based on this predictor. For example, put in size of proposed development e.g. 4000 sq.metres for a proposed retail site as this Predictor Value.

## 3.4.2 Site Report

This report produces information about the survey site, such as site characteristics and survey details. A site report is produced for each survey selected.

TRAVL - Site Report							
Name	Asda	Survey Date	22/05/1998				
Business	Supermarket	Survey Hours 1	08:00-00:30				
Address	124 Beddington Lane	Survey Hours 2					
		Survey Code	222				
District	Wallington						
Borough	SUTTON						
Postcode	CR0 4XF	Site Area (sq.m)	0				
Location	Outer	PTAL	1	Gross Floor Area (sq.m)	9886		
Class	A1 - Supermarket			Retail Floor Area (sq.m)	5850		
Parking	Total	Disabled	Visitor	Employee	Coaches	Load Bays	
	750	55	650	45		1	
	Managed Parking	N	Waiting Restriction	N			
Open Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	08:30-22:00	08:30-22:00	08:30-22:00	08:30-00:00	08:30-00:00	08:00-22:00	10:00-16:00
Home	Home	Work	Else				
Work	4614	25	275				
Else	455	155	17				
Staff							
Part Timers	365						
Full Timers	55						
Disabled Access	No						
Taxis	32						
Open To Public							
Travel Plan	No						
Site Notes	<p>This is a large superstore set within its own car park close to the Sutton/Croydon border. Access is from Beddington Lane. The area between Beddington Lane and Purley Way is characterised by similar superstores and retail warehouses. There is very little residential accommodation within easy walking distance of the site.</p> <p>At the time of the survey, public transport accessibility to the site was extremely limited, although a bus route served the site directly, with a bus stop located in the store car park.</p>						
<p>Managed by IVA Consultancy on behalf of the London Councils  Printed On:22/11/2008 Predictor Type : Gross Floor Area (100 sq m) TRAVL Version : 8.08b Page 1 of 4</p>							

TRAVL - Site Report							
Name	Asda	Survey Date	22/05/1998				
Business	Supermarket	Survey Hours 1	08:00-00:30				
Address	124 Beddington Lane	Survey Hours 2					
		Survey Code	222				
District	Wallington						
Borough	SUTTON						
Postcode	CR0 4XF	Site Area (sq.m)	0				
Location	Outer	PTAL	1	Gross Floor Area (sq.m)	9886		
Class	A1 - Supermarket			Retail Floor Area (sq.m)	5850		
Survey Note	<p>The survey involved a count of all people and vehicles entering and leaving the site, including a count of all passengers who alighted from or boarded buses on the site. There were questionnaire led interviews for visitors and self completion questionnaires for staff and management.</p> <p>Delivery details were not supplied by the management, however they reported that there were 18 deliveries on the day of the survey.</p> <p>The weather on the day of the survey was changeable, but with some long sunny spells.</p> <p>It was noted during the survey that the bus route to the site was unreliable, with more than one bus being cancelled.</p>						
Facilities							
<p>Managed by IVA Consultancy on behalf of the London Councils  Printed On:22/11/2008 Predictor Type : Gross Floor Area (100 sq m) TRAVL Version : 8.08b Page 2 of 4</p>							

### 3.4.3 Mode by Journey Purpose

This report is generated for C3 residential and B1 land uses only, as these sites record trips by a person's journey purpose. Journey purpose is captured at residential sites to establish where a resident is going to when they leave the site i.e. whether it is a journey to work, journey to school or shopping trip. Journey purpose is captured at B1 sites to distinguish staff journey to and from work trips from personal business (lunch) trips and employer's business (meetings, site visits) trips, normally undertaken during the day. It is similar to another TRAVL report 'Mode by Interview Type', which is generated for all land uses.

This report generates:

- A table for each selected site showing the number of trips, trip rates and predicted trips by journey purpose and mode of transport, further separated into main and final mode. Main mode is not collected for personal business and employer's business trips at B1 sites, as these are not considered the 'main' trips and in the majority of cases, are only undertaken over very short distances and reflect a small number of trips in comparison to the journey to and from work;
- A daily trip rate per mode for each journey purpose based on the predictor for the site(s). The trip rate displayed is per 100 sqm if site area is the predictor or per unit; and
- A 'Predicted Trips' column for each journey purpose and mode based on the selected site(s) and the predictor and predictor values input by the user.

Important information about this report is described below:

- The number of trips and trip rates are expressed as one-way person trips;
- In relation to B1 sites, 'other' trips, which are recorded separately as journey purpose's for land use classes in the B1 reports include any trips made by employees during the course of the survey period, which do not relate to their journey to work, i.e. they include business trips and lunch/personal trips.
- The number of trips and/or trip rates for main and final mode overall are not usually the same for survey sites that have employees, as although the 'journey to work' should be the same, 'other' trips are included in the final mode trip rates, that are not collected for main mode. These reflect personal business and employer's business trips, as described above; and
- This report cannot be generated in the same way for older surveys, typically those pre-2007, as historically, journey purpose was not analysed with each individual trip. For these sites, this report therefore shows trips, trip rates and predicted trips by interview type for arrival trips to the site. For these sites, a summary of journey purpose information for the whole site can be found under 'Extra Site Details'.

### 3.4.4 Daily Trip Rate by Mode

TRAVL - Daily Trip Rate by Mode			
<b>Surveys in Selection</b>			
Address	Bed Zed - Private Residential Helios Road Wallington SM6 7BZ	Business	Residential Development
		Class	C3 - Residential
		Location	Outer
		No of Dwellings	101
SurveyCode	418	PTAL	3
Survey Date	09/03/2005	Parking Total	84
Survey Hours	07:00-22:00		
Address	Burdetts Road Estate Goresbrook Road Daughtam RM9	Business	Residential
		Class	C3 - Residential
		Location	Outer
		No of Dwellings	343
SurveyCode	216	PTAL	1
Survey Date	10/09/1997	Parking Total	430
Survey Hours	07:00-24:00		
Address	Clarence Close (Private) Clarence Close Barnet EN4 8AD	Business	Residential Development
		Class	C3 - Residential
		Location	Outer
		No of Dwellings	104
SurveyCode	395	PTAL	3
Survey Date	02/11/2004	Parking Total	120
Survey Hours	07:00-22:00		

Managed by MVA Consultancy on behalf of the London Councils  
 Printed On: 21/11/2006 Predictor Type: No of Dwellings TRAVL Version: 8.09b Page 1 of 2

This report records:

- A table of results for main and final mode (the definitions for these are in the Glossary);
- Each table shows the number of trips generated at the site or combined sites selected in the 'Mode Trips' column for each mode;
- A daily trip rate for each mode based on the predictor for the site(s) in the 'Trip Rate' column. The trip rate displayed for site area is per 100 sqm;
- A 'Percent' column displaying the percentage of trips each mode generates at the site(s); and
- A 'Predicted Trips' column based on the selected site(s) and the predictor and predictor values input by the user.

Important information about this report:

- The number of trips and trip rates are expressed as one-way person trips;
- The number of trips excludes deliveries;
- The daily trip rates have been calculated by aggregating the trips by mode for all surveys selected and dividing these figures by the aggregated values for the sites in the selected predictor category, and, where area is involved, multiplying the product by 100;
- For all land uses, except C3 Residential and Mixed Residential and B1 sites, the number of trips and/or trip rates for main and final mode will not usually;

- The number of trips and/or trip rates for main and final mode will not usually be the same for survey sites that have employees, as 'other' trips are included in the final mode trip rates, but not collected for main mode; and
- 'Other' trips include any trips made by employees during the course of the survey period, which do not relate to their journey to work, i.e. they include business trips and lunch/personal trips. These 'other' trips are recorded separately for land use classes B1.

### 3.4.5 Daily Trip Rate by Interview Type

TRAVL - Daily Trip Rate by Interview Type			
<b>Surveys in Selection</b>			
Site Name	Address	Postcode	Survey Date
Bed Zed - Private Residential	Helios Road	SW16 7BZ	09/03/2005
Bunetts Road Estate	Cornbrook Road	RM9	10/06/1997
Clarence Close (Private)	Clarence Close	EN4 6AD	02/11/2004
Number of sites considered	3	Total No of Dwellings	548
<b>Total Trip Rates</b>			
Interview Type	Trips	Average Trip Rate	Predicted Trips
Residents	3,463	6.32	0.00
Visitor	278	0.51	0.00

Managed by MVA Consultancy on behalf of the London Councils  
 Printed On: 28/11/2008 Predictor Type: No of Dwellings TRAVL Version: 6.080 Page 1 of 1

This report records:

- The total number of trips generated over the survey day at the site broken down by interview type (person type);
- A daily trip rate for each interview type based on the predictor for the site(s). The trip rate for site area displayed is per 100 sqm; and
- A 'Predicted Trips' column for each interview type based on the selected site (s) and the predictor and predictor values input by the user.

Important information about this report is described below:

- A similar report is also available as 'Daily Trip Rate by Journey Purpose' for residential and B1 sites;
- The number of trips and trip rates are expressed as one-way person trips;
- The number of trips excludes deliveries; and
- The daily trip rates have been calculated by aggregating the final mode trips

by interview type for all surveys selected and dividing these figures by the aggregated values for the sites in the selected predictor category, and, where area is involved, multiplying the product by 100.

### 3.4.6 Daily Trip Rate by Journey Purpose

This report is generated for C3 residential and B1 land uses only, as these sites record trips by a person's journey purpose. Journey purpose is captured at residential sites to establish where a resident is going to when they leave the site i.e. whether it is a journey to work, journey to school or shopping trip. Journey purpose is captured at B1 sites to distinguish staff journey to and from work trips from personal business (lunch) trips and employer's business (meetings, site visits) trips, normally undertaken during the day. It is similar to the TRAVL report described above 'Daily Trip Rate by Interview Type', which is generated for all land uses.

This report generates:

- The total number of trips generated over the survey day at the site broken down by journey purpose;
- A daily trip rate for each journey purpose based on the predictor for the site (s). The trip rate for site area displayed is per 100 sqm; and
- A 'Predicted Trips' column for each journey purpose based on the selected site(s) and the predictor and predictor values input by the user.

Important information about this report is described below:

- The number of trips and trip rates are expressed as one-way person trips (to the site);
- The number of trips excludes deliveries; and
- The daily trip rates have been calculated by aggregating the final mode trips by interview type for all surveys selected and dividing these figures by the aggregated values for the sites in the selected predictor category, and, where area is involved, multiplying the product by 100.
- This report cannot be generated in the same way for older surveys, typically those pre-2007, as historically, journey purpose was not analysed with each individual trip. For these sites, this report therefore shows trips, trip rates and predicted trips by interview type for both arrival and departure trips for the site. For these sites, a summary of journey purpose information for the whole site can be found under 'Extra Site Details'.

### 3.4.7 Average Trip Rate by Mode and Time

TRAVL - Average Trip Rate by Mode and Time								
<b>List of Surveys:</b>								
Name	Address	Postcode	Survey Date					
Bed Zed - Private Residential	Helios Road	SM6 7BZ	09/03/2005					
Burroets Road Estate	Goresbrook Road	RM9	10/09/1997					
Clarence Close (Private)	Clarence Close	EN4 8AD	02/11/2004					
Number of sites considered 3								
<b>Counts By Mode:</b>								
Mode:	All Modes	No of Sites	Trip Rate In	Trip Rate Out	Total Trip Rate	Predicted Trip In	Predicted Trips Out	Predicted Total Trips
07:00-07:30	3	0.016	0.108	0.124	0.0	0.0	0.0	0.0
07:30-08:00	3	0.055	0.254	0.308	0.0	0.0	0.0	0.0
08:00-08:30	3	0.031	0.234	0.265	0.0	0.0	0.0	0.0
08:30-09:00	3	0.057	0.208	0.265	0.0	0.0	0.0	0.0
09:00-09:30	3	0.086	0.120	0.206	0.0	0.0	0.0	0.0
09:30-10:00	3	0.084	0.117	0.201	0.0	0.0	0.0	0.0
10:00-10:30	3	0.075	0.097	0.172	0.0	0.0	0.0	0.0
10:30-11:00	3	0.088	0.088	0.175	0.0	0.0	0.0	0.0
11:00-11:30	3	0.077	0.104	0.181	0.0	0.0	0.0	0.0
11:30-12:00	3	0.104	0.075	0.179	0.0	0.0	0.0	0.0
12:00-12:30	3	0.091	0.068	0.159	0.0	0.0	0.0	0.0
12:30-13:00	3	0.060	0.104	0.164	0.0	0.0	0.0	0.0
13:00-13:30	3	0.109	0.068	0.177	0.0	0.0	0.0	0.0
13:30-14:00	3	0.096	0.093	0.179	0.0	0.0	0.0	0.0
14:00-14:30	3	0.090	0.099	0.179	0.0	0.0	0.0	0.0
14:30-15:00	3	0.075	0.109	0.184	0.0	0.0	0.0	0.0
15:00-15:30	3	0.108	0.091	0.199	0.0	0.0	0.0	0.0
15:30-16:00	3	0.099	0.099	0.198	0.0	0.0	0.0	0.0
16:00-16:30	3	0.117	0.071	0.188	0.0	0.0	0.0	0.0
16:30-17:00	3	0.120	0.082	0.203	0.0	0.0	0.0	0.0
17:00-17:30	3	0.139	0.058	0.197	0.0	0.0	0.0	0.0
17:30-18:00	3	0.190	0.099	0.288	0.0	0.0	0.0	0.0
18:00-18:30	3	0.199	0.102	0.301	0.0	0.0	0.0	0.0
18:30-19:00	3	0.215	0.095	0.310	0.0	0.0	0.0	0.0
19:00-19:30	3	0.250	0.197	0.447	0.0	0.0	0.0	0.0
19:30-20:00	3	0.146	0.133	0.279	0.0	0.0	0.0	0.0
20:00-20:30	3	0.117	0.080	0.197	0.0	0.0	0.0	0.0
20:30-21:00	3	0.095	0.082	0.177	0.0	0.0	0.0	0.0
21:00-21:30	3	0.111	0.044	0.155	0.0	0.0	0.0	0.0
21:30-22:00	3	0.097	0.064	0.161	0.0	0.0	0.0	0.0
22:00-22:30	1	0.095	0.055	0.140	0.0	0.0	0.0	0.0
22:30-23:00	1	0.108	0.073	0.181	0.0	0.0	0.0	0.0
23:00-23:30	1	0.137	0.032	0.169	0.0	0.0	0.0	0.0
23:30-24:00	1	0.076	0.032	0.108	0.0	0.0	0.0	0.0

Managed by MVA Consultancy on behalf of the London Councils  
Printed On: 28/11/2008 Predictor Type: No of Dwellings TRAVL Version: 8.08a Page 1 of 11

This report generates:

- A trip rate table for each mode, as well as one for all modes together;
- Trip rates based on selected site(s) for trips in and out of the site, plus a total trip rate. The trip rates displayed are per 100 sqm where area is involved or per unit in other instances; and
- Total predicted in and out trips based on the selected survey site(s), and the predictor and predictor values input by the user.

Important information about this report is described below:

- Walk and public transport trips have recently been generated separately, with public transport trips generated individually. For more recent sites it is possible to generate a trip rate by walk only, bus, rail etc..., whereas for older surveys (typically pre-2007) it is only possible to generate trip rates for walk and public transport combined;
- The average trip rates will be more meaningful if the selected surveys cover similar time periods and are of a similar size;

- The average trip rates have been calculated by aggregating the total trips for each time period for all surveys selected, dividing these figures by the aggregate value of the specified predictor type and, where floor space or site area is involved, multiplying the product by 100. In all other cases it is per unit; and
- As this report gives average trip rates across a number of sites, there is a possibility that some peak periods will be masked by the overall pattern. It is therefore advised that this report be used alongside details of the individual sites selected.

Upon activating this report, you will be asked if you would like to view selected modes only. Clicking on the 'Yes' button will take you to a list of the available modes. To select a mode, simply click on the box to the left of the required mode. When you are happy with your selection, press the 'print' button to preview the report on your screen. Modes unavailable on the list do not have any trips associated with them for the sites selected.

<input checked="" type="checkbox"/> All Modes
<input checked="" type="checkbox"/> Bus
<input checked="" type="checkbox"/> Car Driver + Passengers
<input checked="" type="checkbox"/> Car Driver
<input checked="" type="checkbox"/> Car Passenger
<input checked="" type="checkbox"/> Coach
<input checked="" type="checkbox"/> DLR
<input checked="" type="checkbox"/> HGV
<input checked="" type="checkbox"/> Motor Cycle
<input checked="" type="checkbox"/> Other
<input checked="" type="checkbox"/> Park and Ride Bus
<input checked="" type="checkbox"/> Pedal Cycle
<input checked="" type="checkbox"/> Rail
<input checked="" type="checkbox"/> River Boat
<input checked="" type="checkbox"/> Taxi
<input checked="" type="checkbox"/> Tram
<input checked="" type="checkbox"/> Underground
<input checked="" type="checkbox"/> Walk & PT
<input checked="" type="checkbox"/> Walk only
<input checked="" type="checkbox"/> Unknown

### 3.4.8 Mode by Interview Type

TRAVL - Mode by Interview Type				
Address	Bed Zed - Private Residential	Business	Residential Development	
	Hellios Road	Class	C3 - Residential	
	Wallington	Location	Outer	
	SM6 7BZ	No of Dwellings	101	
SurveyCode	418	PTAL	3	
Survey Date	09/03/2005	Total parking spaces	84	
<b>Residents - Final Mode</b>				
Mode	Trips	Rate	Percent	Predicted Trips
Walk	234	2.32	52 %	46.34
All Car Drivers	78	0.77	17 %	15.45
Rail	75	0.74	17 %	14.86
Pedal Cycle	33	0.33	7 %	6.53
Bus	26	0.26	6 %	5.15
Car Passenger	3	0.03	1 %	0.59
<b>Total</b>	<b>449</b>	<b>4.45</b>	<b>100 %</b>	<b>88.91</b>
<b>Residents - Main Mode</b>				
Mode	Trips	Rate	Percent	Predicted Trips
Walk	225	2.23	50 %	44.55
Rail	75	0.74	17 %	14.86
All Car Drivers	75	0.74	17 %	14.86
Pedal Cycle	36	0.36	8 %	7.13
Bus	32	0.32	7 %	6.34
Underground	3	0.03	1 %	0.59
Car Passenger	3	0.03	1 %	0.59
<b>Total</b>	<b>449</b>	<b>4.45</b>	<b>100 %</b>	<b>88.91</b>
<b>Visitor - Final Mode</b>				
Mode	Trips	Rate	Percent	Predicted Trips
All Car Drivers	6	0.06	50 %	1.19
Car Passenger	4	0.04	33 %	0.79
Walk	2	0.02	17 %	0.40
<b>Total</b>	<b>12</b>	<b>0.12</b>	<b>100 %</b>	<b>2.38</b>
<b>Visitor - Main Mode</b>				
Mode	Trips	Rate	Percent	Predicted Trips
All Car Drivers	6	0.06	50 %	1.19
Car Passenger	4	0.04	33 %	0.79
Rail	2	0.02	17 %	0.40
<b>Total</b>	<b>12</b>	<b>0.12</b>	<b>100 %</b>	<b>2.38</b>

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This report generates:

- A table for each selected site showing the number of trips, trip rates and predicted trips by interview type and mode of transport, further separated into main and final mode;
- A daily trip rate per mode for each interview type based on the predictor for the site(s). The trip rate displayed is per 100 sqm if site area is the predictor or per unit; and
- A 'Predicted Trips' column for each interview type and mode based on the selected site(s) and the predictor and predictor values input by the user.

Important information about this report is described below:

- The number of trips and trip rates are expressed as one-way person trips;
- A similar report is also available as 'Mode by Journey Purpose' for residential and B1 sites;
- The totals for main and final mode should be similar, except for B1 sites (see below);
- The number of trips and/or trip rates for staff main and final mode will not usually be the same for survey sites that have employees, as 'other' trips are included in the staff final mode trip rates, but not collected for main mode; and
- 'Other' trips are trips made by employees during the course of the survey period, which do not relate to their journey to work, i.e. they include business trips and lunch/personal trips collected as final mode trips only.

### 3.4.9 Trip Count by Mode

TRAVL - Trip Count by Mode and Time																		
Address: Bed Zed - Private Residential Helios Road Wallington SM6 7BZ				Business Residential Development Class C3 - Residential Location Outer No of Dwellings 101 PTAL 3 No. parked vehicles at start 41														
SurveyCode 418				Survey Date: 09/03/2005														
	Drivers		Passengers		Motorbikes		Bikes		Taxi Users		Coach Pas		Walk/PT		Other		Total	
	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out
07:00-07:30		3		1				2						6			1	11
07:30-08:00		6						1						17				24
08:00-08:30		2						4						11				17
08:30-09:00		3						1					2	8			2	12
09:00-09:30		1					1	1					2	4			3	6
09:30-10:00													2	9			2	9
10:00-10:30		3												6				9
10:30-11:00														7				7
11:00-11:30							1	1					8	5			9	6
11:30-12:00													8	7			8	7
12:00-12:30	2							1					8	4			11	4
12:30-13:00	1												2				3	3
13:00-13:30													7	1			7	1
13:30-14:00		2											4	2			4	4
14:00-14:30								1					6	8			6	9
14:30-15:00													3	4			3	4
15:00-15:30		2	2				1	2					11	9			14	13
15:30-16:00		4					4	2					20	9			28	9
16:00-16:30		3					2						17	8			22	8
16:30-17:00		2					5						10	4			17	4
17:00-17:30		2											3	2			5	2
17:30-18:00		1						1					7	1			9	1
18:00-18:30		3	3					2					17	8			20	13
18:30-19:00	10	2					1	1					17	7			28	10
19:00-19:30	4	1						3					7	5			14	6
19:30-20:00													6	4			6	4
20:00-20:30		2											7	7			9	7
20:30-21:00		1											2	4			3	4
21:00-21:30			1										2				2	1
21:30-22:00		1											1				2	
<b>Total</b>	<b>38</b>	<b>29</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>179</b>	<b>167</b>	<b>0</b>	<b>0</b>	<b>238</b>	<b>212</b>

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Printed On 28/11/2008 Predictor Type : No of Dwellings TRAVL Version : 8.08b

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This report produces:

- A table for each of the selected sites in turn showing the number of trips to and from the site by both mode and by half hour time periods.

Important information about this report is described below:

- From this report it is possible to calculate the car accumulation on site using the number of vehicles parked at the start of the survey and from the number of drivers shown in the 'in' and 'out' columns;
- This table does not take deliveries into account;
- 'Drivers' refers to car/small van drivers only, it does not take delivery vehicles or taxi drivers into account;
- 'Passengers' refers to car passengers only. Passengers can be people in the cars that arrive/leave the site or are passengers that have been dropped off within 5 minutes walk of the site i.e. there will not be a car driver;
- 'Motorbikes' refers to the number of vehicles;
- 'Bikes' refers to the number of bicycles;
- 'Taxi users' refers to the number of passengers in taxis arriving and leaving the site rather than the number of taxi vehicles arriving and leaving;
- 'Coach passengers' refers to the number of passengers on a coach rather than the number of coaches; and
- 'Walk/PT' combines all public transport and walk trips together. For new

surveys (2007 onwards) trip rates are analysed separately for walk and individual public transport modes. However, the information here summarises the total for walk and public transport together.

### 3.4.10 Daily Trips by Mode

TRAVL - Daily Trips by Mode					
Address: Beo Zoo - Private Residential		Business	Residential Development		
Hilene Road		Class	C3 - Residential		
Warrington		Location	Outer		
SM5 7BZ		No of Dwellings	101		
SurveyCode	416	PTAL	3		
Survey Date:	09/03/2005	Parking Total:	84		
Survey Hours	07:00-22:00				
	Numbers		Passengers		
	In	Out	In	Out	
All Car Drivers	38	29	0	0	
Car Passenger	0	0	1	0	
Coach	0	0	0	0	
Motor Cycle	0	0	0	0	
Other	0	0	0	0	
Pedal Cycle	20	16	0	0	
Taxi	0	0	0	0	
Walk/Pt	179	157	9	0	
Site Totals	237	212	1	0	
Address: Burrells Road Estate		Business	Residential		
Goresbrook Road		Class	C3 - Residential		
Dagenham		Location	Outer		
RM9		No of Dwellings	343		
SurveyCode	216	PTAL	1		
Survey Date:	10/09/1997	Parking Total:	430		
Survey Hours	07:00-24:00				
	Numbers		Passengers		
	In	Out	In	Out	
All Car Drivers	659	665	0	0	
Car Passenger	0	0	243	258	
Coach	0	0	0	0	
Motor Cycle	11	9	0	0	
Other	0	0	0	0	
Pedal Cycle	22	25	0	0	
Taxi	0	0	1	1	
Walk/Pt	405	423	0	0	
Site Totals	1097	1122	244	259	
<small>Managed by NVA Consultancy on behalf of the London Councils  Printed On: 23/11/2005 Predictor Type: No of Dwellings TRAVL Version: 8.08b Page 1 of 3</small>					

This report produces:

- A table showing the number of trips and number of passenger's in and out of the site by mode of transport.

This report records:

- The number of daily trips (by mode) and occupants, where appropriate generated at the site or combined sites for each mode;
- The second page of this report provides a 'Predicted Headcount', showing the number of trips generated by the type of site the user is looking at capturing data for, based on the predictor value they entered under the 'Reports' tab. For example, if the daily trip rate for 'All Car Drivers' is 40 per 100sqm and the gross floor area is 2500sqm, then the number of daily car drivers (vehicles) to the site is 1000. The results in the predicted headcount columns are based on the predictor type and predictor values the user enters at the start.

Important information about this report:

- The number of trips and trip rates are expressed both to and from the site;
- Deliveries are not generated here; and
- The numbers are based on final mode trips.

### 3.4.11 Car Parking by Interview Type

TRAVL - Car Parking by Interview Type									
Address	Hounslow Jamia Masjid and Islamic Cent	Business	Mosque						
	367 Wellington Rd South	Class	C2 - Other Use						
	Hounslow West	Location	Outer						
	TW4 5HLJ	Gross Floor Area (sq m)	20						
SurveyCode	528	PTAL	2						
Survey Date	13/05/2008	Parking Total	131						
Interview Type	On Site	%	On Street	%	Off Street	%	Other	%	All
Visitor	467	98	5	1	0	0	0	1	472
<b>Total</b>	<b>467</b>		<b>5</b>		<b>0</b>		<b>0</b>		<b>472</b>

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 Printed On 28/11/2008 Predictor Type : Gross Floor Area (100 sq m) TRAVL Version : 8.08b Page 1 of 1

This report produces:

- A table showing the number of vehicles parked by interviewer type/person type and parking location across the day.

This report records:

- The number of vehicles parked over the day by location for on-site (anywhere on-site), off-site on street, off-site off street and other. If the parking location is unknown this is also shown as 'other'.

### 3.4.12 Deliveries by Time

TRAVL - Deliveries By Time				
<b>Address:</b>	Cody Road Industrial Estate Prologis Park - SW11H 0BD	<b>Business Class</b>	Industrial Estate B1 - Light Industrial	
<b>SurveyCode</b>	559	<b>Location</b>	Inner	
<b>SurveyDate</b>	22/05/2008	<b>GFA</b>	686101	
		<b>PTAL</b>	2	
<b>Artic 3-4 axles</b>				
<b>Time</b>	<b>In</b>	<b>Out</b>	<b>% In</b>	<b>% Out</b>
07:00-07:15	1	0	0%	0%
07:15-07:30	1	0	0%	0%
08:00-08:15	1	0	0%	0%
08:15-08:30	2	0	0%	0%
08:30-08:45	0	2	0%	0%
08:45-09:00	0	1	0%	0%
09:00-09:15	0	1	0%	0%
09:45-10:00	0	1	0%	0%
10:00-10:15	3	0	0%	0%
10:15-10:30	1	0	0%	0%
10:45-11:00	1	0	0%	0%
12:00-12:15	0	1	0%	0%
12:15-12:30	0	1	0%	0%
12:45-13:00	3	2	0%	0%
13:00-13:15	2	1	0%	0%
13:15-13:30	1	0	0%	0%
14:00-14:15	0	1	0%	0%
14:15-14:30	2	2	0%	0%
14:45-15:00	1	1	0%	0%
15:00-15:15	1	0	0%	0%
16:45-17:00	1	0	0%	0%
17:00-17:15	1	0	0%	0%
18:30-18:45	2	1	0%	0%
<b>Total</b>	<b>24</b>	<b>15</b>	<b>3%</b>	<b>2%</b>
<b>Artic 5+ axles</b>				
<b>Time</b>	<b>In</b>	<b>Out</b>	<b>% In</b>	<b>% Out</b>
07:30-07:45	2	0	0%	0%
07:45-08:00	1	0	0%	0%
08:15-08:30	1	0	0%	0%
08:30-08:45	0	1	0%	0%
08:45-09:00	4	4	0%	0%
09:30-09:45	0	2	0%	0%
09:45-10:00	1	0	0%	0%
<small>Managed by MVA Consultancy on behalf of the London Councils  Printed On 23/11/2008 Predictor Type : Gross Floor Area (100 sq m) TRAVL Version : 8.08a Page 1 of 9</small>				

This report produces:

- A table for each mode of delivery transport, showing deliveries in and out of the site by time period; and
- ‘%IN’ and ‘%OUT’ columns are included to show the number of trips generated as a percentage of the total number of deliveries on the survey day.

Only the modes of transport used for deliveries on the survey day are shown here. Different freight vehicles are recorded based on their size and number of axles. The vehicle types are listed below:

- Pedal Cycle;
- Motor Cycle;
- Car;
- Small Van;
- Transit (Single rear tyre);
- Transit (2 axle < 7.5 tonnes);
- Rigid 2 axles;

- Rigid 3 axles;
- Rigid 4 axles;
- Artic 3-4 axles;
- Artic 5+ axles; and
- Unknown.

### 3.4.13 Origin / Destination Data

TRAVL - Origin / Destination Data										
Address	Cody Road Industrial Estate ProLogis Park, -			Business Class	Industrial Estate B1 - Light Industrial					
SurveyCode	SW1H OBD			Location	Inner					
Survey Date	22/05/2008			Gross Floor Area (sq m)	686101					
				PTAL	2					
Origin and Destination Data				Main visitor trips reported						374
Home	Home	Home	Work	Work	Work	Else	Else	Else	Else	
Home	Work	Else	Home	Work	Else	Home	Work	Else	Else	
0	148	13	73	1	63	8	24	44		
0 %	40 %	3 %	20 %	0 %	17 %	2 %	6 %	12 %		
Origin Post Code      % Travel To      % Travel From										
AL10		0.47				0.00				
B21		0.47				0.00				
B7		0.47				1.25				
BN3		0.47				0.63				
CM16		0.93				0.63				
CM2		0.47				0.63				
CM23		0.47				0.63				
CR0		0.47				0.63				
DA16		0.47				0.00				
DY1		0.47				0.63				
E1		2.90				1.25				
E10		1.40				0.63				
E11		0.47				0.00				
E12		0.93				0.00				
E13		1.87				1.88				
E14		4.67				4.38				
E15		4.67				1.25				
E16		8.88				0.63				
E17		2.90				1.25				
E18		0.47				0.63				
E2		0.93				1.25				
E3		5.61				4.38				
E5		3.74				1.88				
E6		1.40				1.88				
E7		3.74				1.88				
E8		0.47				0.63				
E9		3.27				3.75				
EC2M		0.93				0.63				
ELSEWHERE		8.88				36.98				
EN9		0.47				0.63				
GU3		0.47				0.63				
HA3		0.47				0.63				
HP17		0.47				0.63				
HP2		0.47				0.63				
IG1		0.47				0.63				

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 Printed On: 22/11/2008    Predictor Type: Gross Floor Area (100 sq m)    TRAVL Version: 8.08b    Page 1 of 2

This report produces:

- A table displaying a postcode record of the respondents that participated in the survey; and
- '% Travel To' and '% Travel From' columns showing the percentage of the total trips travelling to or originating from each postcode.

Full postcodes are not recorded, as the % splits would be too small. Instead, the area codes are shown and for all new surveys (post 2007), the area codes plus another digit i.e. SW11 1 are recorded.

### 3.4.14 Public Transport Information

TRAVL - Public Transport Accessibility Details			
<b>Address</b>	Cool Road Industrial Estate ProLogis Park, - SW11H 0BD	<b>Business Class</b>	Industrial Estate B1 - Light Industrial
<b>SurveyCode</b>	559	<b>Location</b>	Inner
<b>Survey Date</b>	22/05/2008	<b>Gross Floor Area (sq m)</b>	1
		<b>PTAL</b>	2
Mode	Route / Station	Distance (m)	Frequency (hr) (Mon-Fri peak AM)
TUBE	DS001	830	4
TUBE	DS002	830	2
TUBE	DS003	830	6
TUBE	DS004	830	2
TUBE	DS005	830	5
TUBE	DS006	830	2
TUBE	DS010	830	1
TUBE	DS011	830	0
TUBE	HM001	830	6
TUBE	HM002	830	1

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Printed on 22/11/2008 - Predictor Type - Gross Floor Area (100 sq m) TRAVL Version : 3.02b

Page 1 of 1

This report produces:

- A table showing each mode of public transport, the route name (bus service number or information about the station and route), distance of the stop or station from the survey site in metres and frequency of service (number per hour).

The information shown in this table informs the PTAL calculation shown on the right-hand side of this report. A PTAL of 1 represents a poor level of public transport accessibility, whilst a PTAL level of 6 represents an excellent level of public transport accessibility.

## 3.4.15 Travel Plan Details

**TRAVL - Travel Plan Details**

**Organisation Name:** Cody Road Industrial Estate

Site address: ProLogis Park, Bromley By Bow, Twelve Trees Crescent, London E3 2JH, - , NE  
 Planning application no: Plan no: 1

**A: Site Details**

Gross floor area (sq m): 656101  
 Full time employees: 0 Part time: 0 More Than 10 visitors per day?

**Parking Spaces:**

Car employee	0	Car visitor	0	Car disabled	0
Motorcycle	0	Bicycle	0	Delivery cycle	0

Deliveries per week: 0

**B: Survey**

Survey Date: 22/05/2008  
 Employees present: Visitors present: Deliveries:  
 Questionnaires issued:

On site facilities:

**C: Travel Plan Elements**

Travel plan coordinator	n	Travel Plan Document	n
Managed car parking	y		
If Yes: Restricted Parking Details	n	Parking Permits Charges	n
Details	Gated entrances to units		Enforcement y
Personal journey planning	n	Special travel plan events	n
Car share scheme	n	Number of members	n
Car club	n	Number of members	n
Taxi service	n		
Flexible working hours	n	Working from home	n
Shower facilities	y	Locker facilities	y
Public transport card subsidy	n	Alternative fuel vehicles	known
Operate freight vehicles	known	Freight travel plan	y

Freight plan includes:

Alternative fuel vehicles	unknown	Driver efficiency training	unknown	Risk management	unknown
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Other travel plan measures:

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**TRAVL - Travel Plan Details**

**Organisation Name:** Cody Road Industrial Estate

Main Mode Split % for each traveller type by distance band (km), and for all travellers (Total).

**staff**

Mode	0-2	2-5	5-10	10-20	20+	-	Total
Car Driver (alone)	0.0	0.0	23.7	31.6	15.8	13.2	84.3
Motor Cycle	0.0	0.0	0.0	5.5	0.0	0.0	5.5
Underground	0.0	0.5	1.2	2.7	0.9	0.4	5.8
Rail	0.0	0.0	0.5	0.4	0.7	0.1	1.7
Walk	0.0	0.0	0.0	0.0	0.0	2.7	2.7
<b>Total</b>	0.0	0.5	25.4	40.2	17.5	16.4	100.0

Main Mode Split % for each traveller type by distance band (km), and for all travellers (Total).

**Visitor**

Mode	0-2	2-5	5-10	10-20	20+	-	Total
Car Driver (alone)	0.0	9.6	0.0	38.6	19.3	19.3	86.9
Bus	0.0	0.0	0.6	0.6	0.2	0.2	1.7
Underground	0.0	1.5	2.9	1.5	0.6	2.1	8.5
Walk	0.0	0.0	0.0	0.0	0.0	2.9	2.9
<b>Total</b>	0.0	11.2	3.5	40.7	20.1	24.5	100.0

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This report contains:

- Details about the site in relation to measures, which may affect / encourage the use of more sustainable modes of transport and reduce use of the private car;
- Details about the survey;
- Details of the elements associated with a travel plan, irrespective of the site having a travel plan; and
- The second page contains the main mode percentage split for each respondent by distance from the site. The information is split into tables by interviewer / person type.

A travel plan report should be available irrespective of whether a site has a travel plan, as a site may have bicycle racks and a car sharing scheme without having a travel plan in place;

If the site does have a travel plan, details of the travel plan are recorded here, in terms of date developed and travel plan measures adopted; and

Sites that have travel plans can be filtered in the site selection stage.

### 3.4.16 Travel Plan Site Monitoring

<u>TRAVL - Travel Plan Site Monitoring</u>				
<b>Site Information</b>				
Name	Cody Road Industrial Estate			
Site address				
Planning app. no.				
Plan no.	1			
<b>A Site Details</b>				
No	Question	Cody Road Industrial Estate 22/06/2008	Cody Road Industrial Estate 22/06/2008	Cody Road Industrial Estate 22/06/2008
1	Gross floor area	686101	686101	686101
2	Employees - full time	0	0	0
3	Employees - part time	0	0	0
3	More than 10 visitors per day	0	0	0
4	Parking:	0	0	0
4	- for employees	0	0	0
4	- for visitors	0	0	0
4	- for disabled	0	0	0
4	- for motorcycles	0	0	0
4	- for bicycles	0	0	0
4	- delivery days	0	0	0
5	Deliveries per week	0	0	0
<b>B: Survey</b>				
No	Question	Cody Road Industrial Estate 22/06/2008	Cody Road Industrial Estate 22/06/2008	Cody Road Industrial Estate 22/06/2008
22	Employees present	0	0	0
23	Visitors present	0	0	0
24	Deliveries	0	0	0
25	Exceptional circumstances	0	0	0
26	Questionnaires issued	0	0	0
<small>Managed by NVA Consulting on behalf of the London Councils  Printed On: 28/11/2008    Printer: Type - Gross Floor Area (100 sq m)    TRAVL Version: 3.02b    Page 1 of 2</small>				

This report contains:

- Information about a site travel plan, to be used for travel plan monitoring purposes.

### 3.4.17 Travel Plan Site Comparison

The first page of the report shows the site characteristics and travel plan information for two different sites to enable comparisons to be made. The travel plan measures can be compared between two sites and compared to the number of trips made by different modes at each site to see whether any particular travel plan measures are effective.

<u>TRAVL - Travel Plan Site Comparison</u>				
<b>Site Information</b>				
Name	Braitrim (UK) Ltd	Cody Road Industrial Estate		
Site address				
Planning app. no.				
Plan no.	1	1		
<b>A Site Details</b>				
No	Question	Braitrim (UK) Ltd 02/07/2007	Cody Road Industrial Estate 22/06/2008	
1	Gross floor area	0	666101	
2	Employees - full time	0	0	
3	Employees - part time	0	0	
3	More than 10 visitors per day	0	0	
4	Parking:			
4	- for employees	38	0	
4	- for visitors	4	0	
4	- for disabled	0	0	
4	- for motorcycles	0	0	
4	- for bicycles	0	0	
4	- delivery days	0	0	
5	Deliveries per week	0	0	
<b>B: Survey</b>				
No	Question	Braitrim (UK) Ltd 02/07/2007	Cody Road Industrial Estate 22/06/2008	
22	Employees present	0	0	
23	Visitors present	0	0	
24	Deliveries	0	0	
25	Exceptional circumstances	0	0	
26	Questionnaires issued	0	0	
<b>C: Travel Plan Elements</b>				
No	Question	Braitrim (UK) Ltd 02/07/2007	Cody Road Industrial Estate 22/06/2008	
6	Travel plan coordinator	Y	n	
7	Travel Plan Document	N	n	
7	Managed car park	N	Y	
8	Personal journey planning	N	n	
9	Car share scheme	N	n	
10	Car club	N	n	
12	Flexible working hours	N	n	
13	Working from home	Y	n	
14	Shower facilities	Y	Y	
15	Locker facilities	Y	Y	
16	Public transport travel card suits	N	n	
17	Alternative fuel vehicles	N	unknown	
18a	- has alternative fuelled vehicles	N	unknown	
<small>Managed by MVA Consulting on behalf of the London Councils  Printed On: 28/11/2009    Printer Type: Gross Floor Area (100 sq m)    TRAVL Version: 8.09a    Page 1 of 2</small>				

The last page of the report in allows comparisons to be made between the user types at different sites with regards to the mode of transport they use by distance travelled. It is possible to see the distances people are prepared to walk and cycle and whether many car journeys are undertaken over short distances.

### TRAVL - Travel Plan Site Comparison

#### Percentage Modal Split

Main Mode Split % for each traveller type by distance band (km), and for all travellers (Total). '-' column shows results where distance is unknown.

Staff	Braitrim (UK) Ltd, 02/07/2007						Cody Road Industrial Estate, 22/05/2008						Difference									
Mode	0-2	2-5	5-10	10-20	20+	- Total	0-2	2-5	5-10	10-20	20+	- Total	0-2	2-5	5-10	10-20	20+	- Total				
Car Driver (with pass)	0.0	4.2	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	4.2			
Car Driver (alone)	0.0	8.3	29.2	4.2	4.2	0.0	45.8	0.0	0.0	23.7	31.6	15.8	13.2	84.3	0.0	8.3	5.5	-27.4	-11.6	-13.2	-38.5	
Car Passenger	0.0	0.0	0.0	4.2	0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0	4.2
Motor Cycle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	0.0	0.0	5.5	0.0	0.0	0.0	0.0	-5.5	0.0	0.0	-5.5
Pedal Cycle	0.0	0.0	4.2	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0	4.2
Bus	0.0	0.0	0.0	4.2	0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0	4.2
Underground	0.0	0.0	4.2	8.3	8.3	0.0	20.8	0.0	0.5	1.2	2.7	0.9	0.4	5.8	0.0	-0.5	3.0	5.6	7.4	-0.4	15.0	
Rail	0.0	0.0	0.0	8.3	4.2	0.0	12.5	0.0	0.0	0.5	0.4	0.7	0.1	1.7	0.0	0.0	-0.5	8.0	3.4	-0.1	10.8	
Walk	0.0	0.0	0.0	0.0	0.0	4.2	4.2	0.0	0.0	0.0	0.0	0.0	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5
<b>Total</b>	<b>0.0</b>	<b>12.5</b>	<b>37.5</b>	<b>29.2</b>	<b>16.7</b>	<b>4.2</b>	<b>100.0</b>	<b>0.0</b>	<b>0.5</b>	<b>25.4</b>	<b>40.2</b>	<b>17.5</b>	<b>16.4</b>	<b>100.0</b>	<b>0.0</b>	<b>12</b>	<b>12.1</b>	<b>-11.0</b>	<b>-0.8</b>	<b>-12.3</b>	<b>0.0</b>	

Visitor	Braitrim (UK) Ltd, 02/07/2007						Cody Road Industrial Estate, 22/05/2008						Difference									
Mode	0-2	2-5	5-10	10-20	20+	- Total	0-2	2-5	5-10	10-20	20+	- Total	0-2	2-5	5-10	10-20	20+	- Total				
Car Driver (alone)							0.0	9.8	0.0	38.6	19.3	19.3	86.9									
Bus							0.0	0.0	0.6	0.6	0.2	0.2	1.7									
Underground							0.0	1.5	2.9	1.5	0.6	2.1	8.5									
Walk							0.0	0.0	0.0	0.0	0.0	2.9	2.9									
<b>Total</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>11.2</b>	<b>3.5</b>	<b>40.7</b>	<b>20.1</b>	<b>24.5</b>	<b>100.0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>						

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Printed On 28/11/2008 Predictor Type : Gross Floor Area (100 sq m) TRAVL Version : 8.08b

Page 2 of 2

### 3.4.18 Travel Plan Site Group Comparison

This report describes the travel plan characteristics and percentage modal split by mode of transport, person type and mode by distance travelled for more than two comparable sites from the same land use.



**Part**

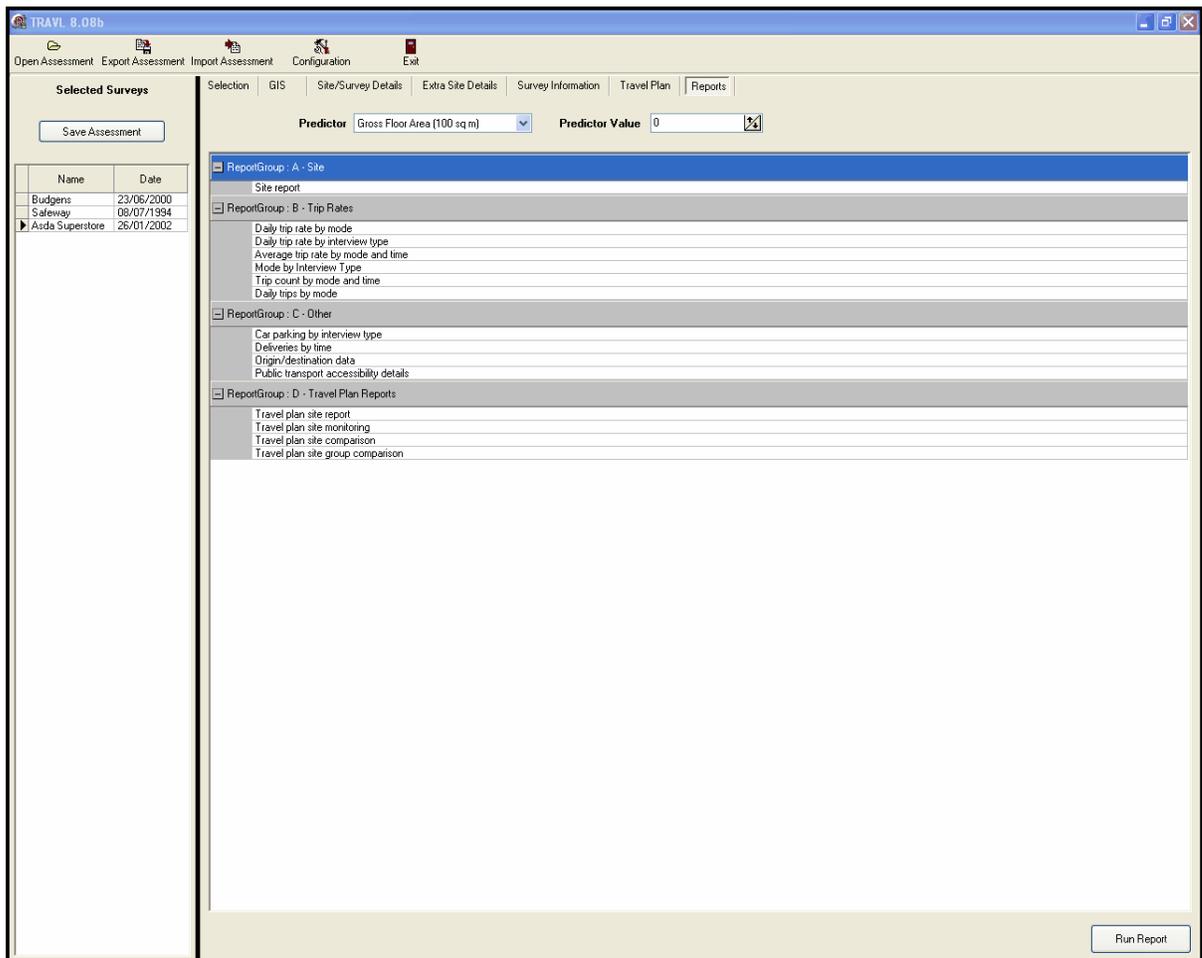


## 4 Exporting and Printing Reports

All the reports produced by TRAVL can be printed and/or exported to different formats, including Adobe PDF and Microsoft Excel. The processes described below are applied in the same way for every report TRAVL produces.

### 4.1 Printing Reports

To print from TRAVL select the report you wish to print from the 'Reports' tab and double click it to open the report.



When the TRAVL report is open click the 'Print' icon in the top left hand corner.

**TRAVL - Site Report**

**Name** Asda Superstore **Survey Date** 26/01/2002  
**Business** Supermarket **Survey Hours 1** 07:00-22:30  
**Address** 1 Temple Mills **Survey Hours 2**  
**Survey Code** 347

**District** Leyton  
**Borough** WALTHAM FOREST  
**Postcode** E10 5NH **Site Area (sq.m)** 0  
**Location** Outer **PTAL** 3 **Gross Floor Area (sq.m)** 8100  
**Class** A1 - Supermarket **Retail Floor Area (sq.m)** 4645

	Total	Disabled	Visitor	Employee	Coaches	Load Bays
<b>Parking</b>	950	18	932	932		2
	<b>Managed Parking</b>	N	<b>Waiting Restriction</b>	N		

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
<b>Open Hours</b>	07:30-24:00	00:00-24:00	00:00-24:00	00:00-24:00	00:00-24:00	00:00-22:00	11:00-17:00
	<b>Home</b>	<b>Work</b>	<b>Else</b>				
<b>Home</b>	6240	32	375				
<b>Work</b>	192	16	24				
<b>Else</b>	567	8	136				

**Staff**

**Part Timers** 300  
**Full Timers** 60

**Disabled Access** No  
**Tills** 40

**Open To Public**

**Travel Plan** No

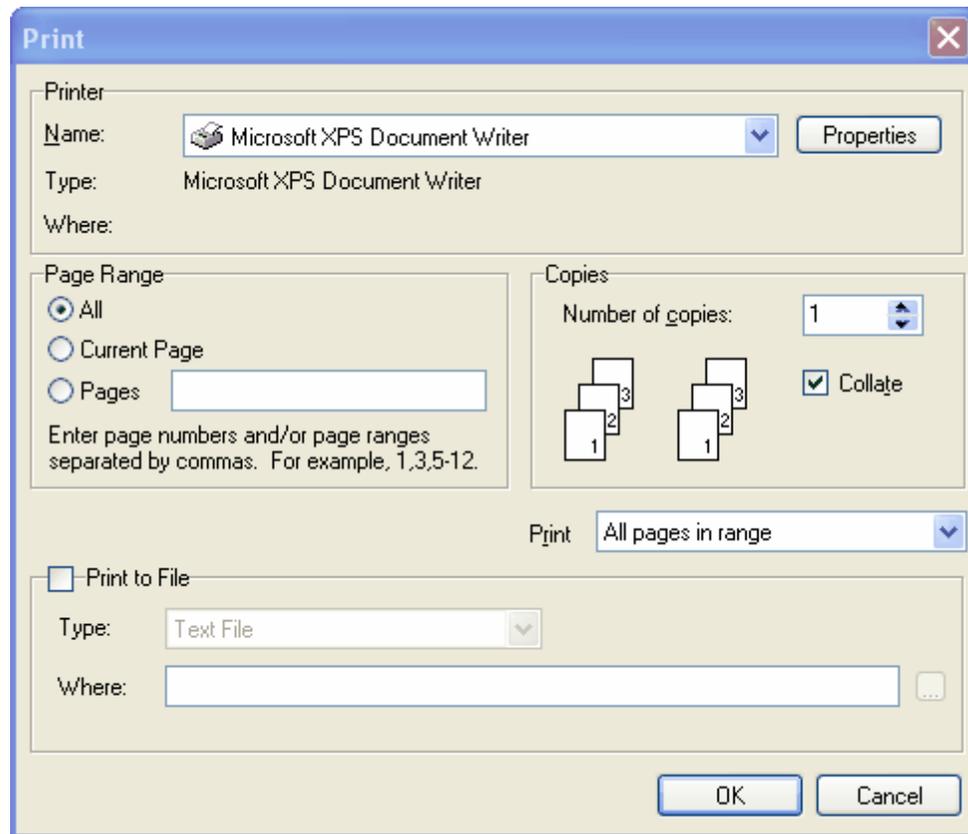
**Site Notes**  
 The store is part of an ongoing development, to include additional A1/A3 units. It is intended Asda will have 458 allocated parking spaces, though at present the car park is for the sole use of Asda customers.  
 At the time of the survey, the nearest buses were on High Road, Leyton. A direct bus route to terminate on the site was already being planned.

**Survey Note**  
 The survey comprised a count of all vehicles and pedestrians entering and leaving the site, interview questionnaires for visitors and self-completion questionnaires for management and staff.  
 The weather on the day of the survey was extremely wet and windy. This may have had an impact on the modal choice of visitors.  
 The survey was carried out in conjunction with a survey at the petrol station.  
 25% of customers arriving by car reported they had used, or intended to use, the petrol station on site.

**Facilities**

Managed by MVA Consultancy on behalf of the London Councils  
 Printed On: 26/11/2008 Predictor Type : Gross Floor Area (100 sq m) TRAVL Version : 8.08b Page 1 of 3

The 'Print' dialogue box now appears. From here, the print properties can be selected and changed in the same way as a basic text document. If a PDF writer is installed on your computer you will be able to make PDF copies of the TRAVL reports. To do this you will need to change the printer name to that of your PDF writer software.



Once all the print properties are set, click 'OK' to print the report.

## 4.2 Exporting Reports

To export a TRAVL report, with the required survey selected, go to the 'Reports' tab and double click the TRAVL report you wish to export.

The screenshot displays the TRAVL 6.08b software interface. The window title is "TRAVL 6.08b". The menu bar includes "Open Assessment", "Export Assessment", "Import Assessment", "Configuration", and "Exit". The "Reports" tab is selected, showing a "Predictor" dropdown set to "Gross Floor Area (100 sq m)" and a "Predictor Value" input field set to "0".

On the left, the "Selected Surveys" section contains a table:

Name	Date
Budgens	23/06/2000
Safeway	08/07/1994
Asda Superstore	26/01/2002

The main area shows a list of report groups:

- ReportGroup : A - Site
  - Site report
- ReportGroup : B - Trip Rates
  - Daily trip rate by mode
  - Daily trip rate by interview type
  - Average trip rate by mode and time
  - Mode by Interview Type
  - Trip count by mode and time
  - Daily trips by mode
- ReportGroup : C - Other
  - Car parking by interview type
  - Deliveries by time
  - Origin/destination data
  - Public transport accessibility details
- ReportGroup : D - Travel Plan Reports
  - Travel plan site report
  - Travel plan site monitoring
  - Travel plan site comparison
  - Travel plan site group comparison

A "Run Report" button is located at the bottom right of the interface.

When the TRAVL report is open click the 'Print' icon in the top left hand corner.

**TRAVL - Site Report**

**Name** Asda Superstore **Survey Date** 26/01/2002  
**Business** Supermarket **Survey Hours 1** 07:00-22:30  
**Address** 1 Temple Mills **Survey Hours 2**  
**Survey Code** 347

**District** Leyton  
**Borough** WALTHAM FOREST  
**Postcode** E10 5NH **Site Area (sq.m)** 0  
**Location** Outer **PTAL** 3 **Gross Floor Area (sq.m)** 8100  
**Class** A1 - Supermarket **Retail Floor Area (sq.m)** 4645

	Total	Disabled	Visitor	Employee	Coaches	Load Bays
<b>Parking</b>	950	18	932	932		2
	<b>Managed Parking</b>	N	<b>Waiting Restriction</b>	N		

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
<b>Open Hours</b>	07:30-24:00	00:00-24:00	00:00-24:00	00:00-24:00	00:00-24:00	00:00-22:00	11:00-17:00

	Home	Work	Else
<b>Home</b>	6240	32	375
<b>Work</b>	192	16	24
<b>Else</b>	567	8	136

**Staff**

**Part Timers** 300  
**Full Timers** 60

**Disabled Access** No  
**Tills** 40

**Open To Public**

**Travel Plan** No

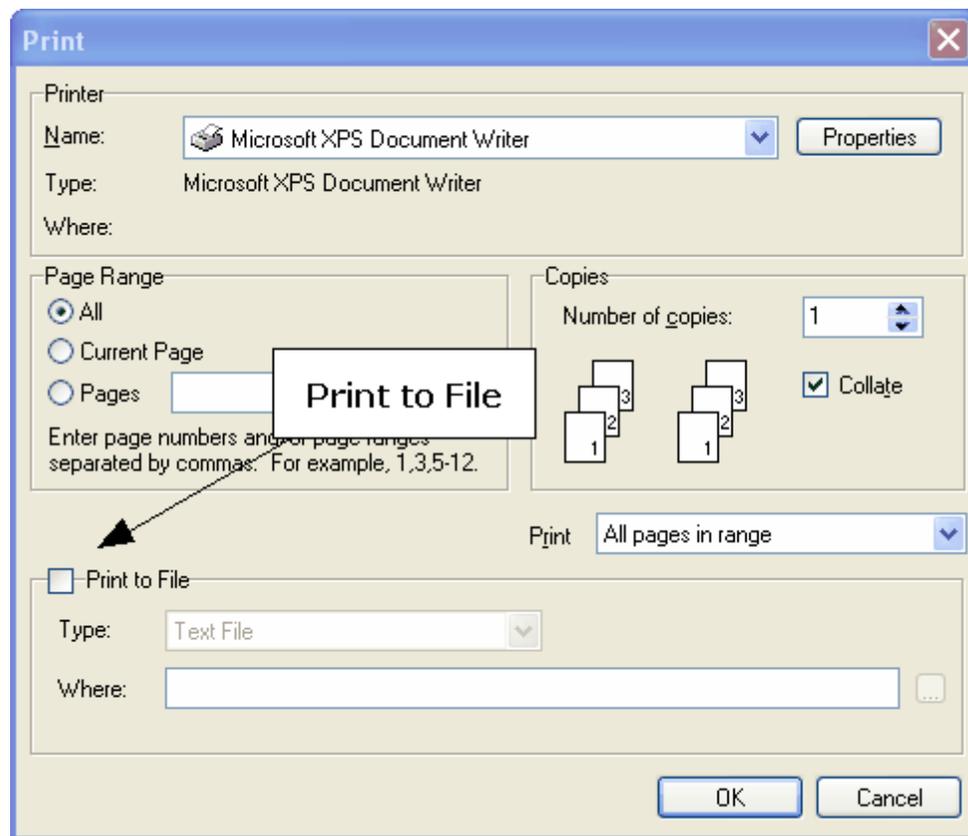
**Site Notes**  
 The store is part of an ongoing development, to include additional A1/A3 units. It is intended Asda will have 458 allocated parking spaces, though at present the car park is for the sole use of Asda customers.  
 At the time of the survey, the nearest buses were on High Road, Leyton. A direct bus route to terminate on the site was already being planned.

**Survey Note**  
 The survey comprised a count of all vehicles and pedestrians entering and leaving the site, interview questionnaires for visitors and self-completion questionnaires for management and staff.  
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**Facilities**

Managed by MVA Consultancy on behalf of the London Councils  
 Printed On: 26/11/2008 Predictor Type : Gross Floor Area (100 sq m) TRAVL Version : 8.08b Page 1 of 3

The 'Print' dialogue box now appears. From here, tick the 'Print to File' box and select an export format from the drop down box. Select a location to save the file using the 'Where' text box and click 'OK' to export.



TRAVL reports can be exported to the following formats:

- Text File;
- Report Emulation Text File;
- Lotus File;
- Quattro File;
- Excel File;
- Graphic File;
- HTML File; and
- XHTML File.

**Part**



## 5 Good Practice

### 5.1 The Need for Good Practice

TRAVL is an easy to use and powerful tool enabling robust trip generation, distribution and mode estimates to be made. However, because it is so easy to use, it is possible to produce results in minutes without necessarily giving sufficient thought to the filter options at the start and the appropriateness of the comparison that has been made. The system has been designed as a *tool*, not a *model*. Each user is responsible for their own application of the information.

### 5.2 Good Practice Items

It is important for the accuracy of the predictions in the reports that they are produced using data from similar sites. The main reason for inaccurate estimates is likely to be a failure to ensure that a 'like with like' comparison has been made. To help ensure that appropriate sites are selected it is suggested that the following procedure is adopted:

- The filter options are used. This will reduce the number of survey sites available for selection; and
- When deciding which sites to select look carefully at the site and survey details for each of your selected sites via the *Data Views* menu to further ensure compatibility. These document more information about the site i.e. the facilities on-site, weather conditions, if there were any coach parties or if anything unusual occurred that day. Refine the selection, if necessary.

When considering which surveys to select, users must be aware of the factors likely to affect trip behaviour, outlined below.

#### Type of development

Although TRAVL subdivides some of the land use classes into more specific Use Groups, there can still be considerable variation within these groups, for example some of the residential sites in C3 Residential have some mixed use – a nursery or small office on site, and some have either private or affordable housing or a mixture of both. Residential sites with a very small amount of mixed use are not necessarily contained within C3 Mixed Use Residential. The type of properties on site (houses or flats), tenure and number of bedrooms are detailed in the site details report and in the 'Extra Site Details' tab on the site selection page. Retail and leisure sites also vary a lot as well. The user should always check the precise nature of the activity on each of the selected survey sites to ensure that they are comparable.

**Appendix A** gives details of the Use Classes and the subdivisions to these classes used by TRAVL, while **Appendix B** provides a list of the data fields used in each.

#### Location

Some trip characteristics, particularly modal split will vary considerably in different parts of London. TRAVL therefore identifies the district and borough where the survey was carried out and indicates whether it is in Central, Inner or Outer London.

#### Size of development

The relationship between the number of trips and the size of the development may not always be linear and the user, where possible, should select sites that are broadly similar in size to the development proposals. This is particularly important for supermarket sites, for example,

where the trip rates by mode and trip distribution vary considerably for a large superstore type supermarket compared to a metro/local supermarket.

### Parking conditions

The availability of car parking is likely to affect modal choice. TRAVL therefore provides information on the amount of on-site parking and the parking conditions in the surrounding areas. The user can select sites that are either within a controlled parking zone, in an area with comprehensive waiting conditions, or in an area without on-street parking controls.

### Public transport accessibility

The level of public transport accessibility (PTAL) may be a significant factor affecting travel behaviour and would almost certainly affect trip rates generated by car and public transport modes. TRAVL incorporates a numeric public transport accessibility index that allows the user to select sites within a specified range of accessibility.

The Select Sites screen only shows the PTAL, which acts as a broad guide to the level of accessibility. However, for a more in-depth understanding of the local transport situation, you may wish to view the source data, which is used to calculate the Public Transport Accessibility Index (PTAI). This can be viewed directly from the *Data Views* menu or in the Public Transport Accessibility Details report.

The [Glossary of terms](#)<sup>[93]</sup> table shows the comparison between the PTAL and PTAI figures. **Appendix C** sets out the formula by which the PTAI scores are calculated.

### Day of survey

When more than one survey is to be used to produce trip generation estimates, the user should normally avoid mixing data from weekdays with data from Saturdays or Sundays. Where possible, surveys from the same day of the week should be used.

### Date of survey

The TRAVL surveys have been collected since 1991. As a result, the user may want to omit some of the earlier surveys. For this reason, the date on which the survey was carried out is displayed on the site selection screen. The filters can also be used to identify the older surveys.

**Part**



## 6 Quality Assurance

MVA Consultancy seeks to ensure that all survey data undergoes a rigorous process of checking for quality and accuracy throughout the various stages from the initial site inspection to final input to the database.

Quality assurance is always carried out at the survey design stage, during the survey, data input stage, analysis stage, and after input into the TRAVL database.

MVA Consultancy employs trained and experienced surveyors to undertake survey duties supervised by an MVA employee. In some circumstances survey work may, in part, be contracted to an outside agency approved by MVA. All staff are briefed before the survey, both in person and through carefully prepared guidance notes.

All surveys are undertaken and analysed using the TRAVL methodology. The 'TRAVL Methodology' document is available via the TRAVL website. It is endorsed by TfL and referenced in various TfL guidance documents:

- TfL 'Guidance for Workplace Travel Planning for Development' (March 2008);
- Best Practice on Transport Assessments (March 2007);
- iTRACE Borough Monitoring Software for Travel Plans; and
- TfL Best Practice for Residential Developments (March 2008).

Surveys will not be included on the database if it is felt that either the primary data or the analysis does not meet the required standard.

**Part**



## 7 Intergration with iTRACE

MVA has recently developed, with assistance from iBASE, the data transfer software between TRAVL and iTRACE, which allows the transfer of data between the two packages. We record in TRAVL the results of simplified staff surveys undertaken at sites using the iTRACEExtra software.

The iTRACEExtra surveys add to the number of sites in TRAVL and provide more information for travel planning purposes. These site surveys do not contain any count data or trip data about other users and therefore it is not possible to generate the trip rate reports. These sites can be removed from your survey selection by ticking the box 'Trip Rates' in the filter area.

If you accidentally generate average trip rates against a number of sites, of which some are iTRACE survey sites, this will not affect the trip rate average, as the iTRACE surveys do not count towards the total.

Travel Plan only surveys, which include iTRACE survey sites can be filtered by ticking the box 'Travel Plan Information' in the filter area.

This transfer was developed as the TfL Guidance for Workplace Travel Planning for Developments, which was published in March 2008, requires that independent monitoring of travel plans should be undertaken as part of planning conditions for a development. The monitoring is to be undertaken using the TRAVL standard survey methodology and the information stored in the TRAVL database with results fed into iTRACE.

Conversely, MVA also inputs TRAVL surveys that have been undertaken for travel plan monitoring purposes into iTRACE.

**Part**



## 8 Disclosure of Information

The surveys contained within TRAVL have taken a considerable amount of time, effort and money to undertake and analyse. All of the surveys on the database and the software itself are subject to copyright and may not be passed to third parties.

However, if individual surveys are used to help prepare a case for appeal, it may be necessary for boroughs to pass information to the appellants or their agents. In these circumstances it must be made clear that the data is protected by copyright and may only be used in relation to the appeal scheme. It may not be reproduced for other purposes or form part of any other database.

It is suggested that a letter containing the following paragraph accompanies any data which is passed to third parties:

***"The attached survey data has been extracted from the TRAVL database. The survey is protected by copyright and may not be reproduced or form any part of any other database or used for any other purpose without the written permission of London Councils."***

**Part**



## 9 License and Subscription Details

### 9.1 Subscription Costs

The TRAVL subscription period runs for 12 months from April 1<sup>st</sup> each year.

To renew a subscription, TRAVL users need to complete and return an order form at least two weeks before the beginning of the subscription year. A reminder email will be sent six weeks before the new subscription year to all existing subscribers. New subscribers can join TRAVL at any point in the year, but will be required to pay the joining fee. Notification of cancellation of the subscription is required at least one month before the end of the subscription year (which is 31 March).

The latest subscription rates are available from the [TRAVL website](#).

### 9.2 Joining Fee

The joining fee is payable by all new TRAVL subscribers. The joining fee also applies to previous subscribers who have broken their membership by not continuing to subscribe to the database and wish to rejoin.

### 9.3 Types of License

#### Annual Primary License

A TRAVL Annual Primary License is required at the main site of the organisation. This entitles the subscribing organisation to install **one** copy of the TRAVL software on **one** user's machine at that site.

The TRAVL license is for a single seat/single installation because of the GIS associated licensing arrangement. If TRAVL is to be installed and operating on more than one machine at a site/office, then an additional license is required. This is described below.

#### Annual Secondary License

A TRAVL Annual Secondary License is required if the organisation wishes to install the TRAVL software at another site other than the main site. This entitles the subscribing organisation to install **one** copy of the TRAVL software on **one** user's machine at that site.

To purchase a secondary license the organisation needs to have purchased a primary license first.

A TRAVL Annual Secondary License should be purchased for each site, other than the main site, that the TRAVL software is to be installed.

#### Additional License

TRAVL Annual Licenses cover **one** user's machine at the site it is installed. This does not entitle an organisation to install the software on multiple users' machines at the site. This is not covered by the TRAVL Annual Licenses and to do this would be in breach of the licensing agreement.

A TRAVL Additional License is required if an organisation wishes to install the TRAVL software

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on one additional user's machine at a site where a primary or secondary license is present.

The Additional License fee is a one off payment. It is valid long as an Annual Primary or Secondary license is present at the site the Additional License is to be used at.

Each additional user's machine the software is installed on will require an additional license.

**Part**



## 10 Help

If you experience any problems, or need assistance using TRAVL, it is best to search this user manual to find a solution. This user guide is available online and PDF format, and is also included in the TRAVL software from v8.09.

If you cannot find the technical information you require or need assistance with anything else, please contact the TRAVL team via Helpdesk. Using the Helpdesk will enable the request/query to be better managed as it can be allocated to the relevant person and tracked from start to finish.

### 10.1 Helpdesk

For help accessing Helpdesk please see the [Accessing Helpdesk](#) section or view the [Flash User Demonstration](#) online.

The screenshot shows the MVA Helpdesk interface. At the top, there is a search bar with options for 'Title', 'Keyword', and 'Number'. Below the search bar, there are three main navigation buttons: 'Search Knowledge Base', 'Submit Request', and 'View My Requests'. A table titled 's Requests for TrAVL' is displayed, listing various issues with columns for 'Issue #', 'Last Edited On', 'Status', and 'Title'. The table contains 20 rows of data, with the most recent issue being #106, dated 20/11/2008, with a status of 'Request' and the title 'Daily Trip Rate Totals'. The interface also includes a sidebar with navigation options like 'Home', 'TrAVL Downloads', 'Requests', 'Global Issues', 'Knowledge Base', 'FAQ', 'Reports', 'Instant Talk', 'My Preferences', 'Help', and 'Logout'.

Issue #	Last Edited On	Status	Title
106	20/11/2008	Request	Daily Trip Rate Totals
105	23/10/2008	Request	Mr Torto
104	16/09/2008	Request	Run time error
103	16/09/2008	Request	Setup password
102	01/09/2008	Request	TRAVL Expired
101	01/09/2008	Open	TRAVL Expired
100	25/06/2008	Request	TRAVL Not Connecting
99	25/06/2008	Request	TRAVL Not Connecting
98	25/06/2008	Request	TRAVL Not Connecting
97	20/06/2008	Open	Problems installing v8.07a
96	19/05/2008	Request	Gross Floor Area for Leisure Uses
95	28/04/2008	Open	No Trip Rates provided
94	22/04/2008	Open	Software Upgrade Download Issue
93	28/04/2008	Closed	Travl expired
92	28/04/2008	Closed	Acces violation when accessing Travl
91	28/04/2008	Closed	Software expired
90	28/04/2008	Closed	Expiration message and corrupt zip fle
88	02/10/2007	Closed	Expiration message
87	02/10/2007	Closed	Same problem AGAIN, This copy of Travl has expired
86	01/10/2007	Closed	This copy of TRAVL has expired!

To report a new problem, or to ask for assistance, click on 'Submit Request' icon. This will take you to the screen. The help request form should be completed with as much detail as possible. Once complete submit the form to Helpdesk by clicking on the 'Go' button at the bottom of the form. After you have submitted your request you should be contacted by the TRAVL team within the next 24 hrs of a working day.

The screenshot displays the 'SUBMIT A NEW REQUEST' form in the FOOTPRINTS TRAVL application. The interface includes a search bar at the top right with options for 'Title', 'Keyword', and 'Number'. A sidebar on the left contains navigation links such as Home, Travl Downloads, Requests, Global Issues, Knowledge Base, Reports, and My Preferences. The main content area is divided into several sections:

- SUBMIT A NEW REQUEST:** A section with instructions and a form for submitting a new request. The 'Title\*' and 'Priority\*' fields are highlighted in red, indicating they are mandatory. The 'Priority' dropdown is set to 'Medium - High Sever'.
- YOUR CONTACT INFORMATION:** A section with a link to 'Update your Contact information?'. It contains fields for 'Last Name\*', 'First Name\*', 'Department', 'Email Address\*', 'User ID\*', 'Site', 'Organization', 'Phone', and 'Designation'.
- ISSUE INFORMATION:** A section with dropdown menus for 'Data Error', 'Software Error', and 'Platform'. The 'Platform' dropdown is set to 'No Choice'. Below these is a large text area for the 'Error Message'.
- DESCRIPTION\*:** A section with a large text area for providing a detailed description of the issue.

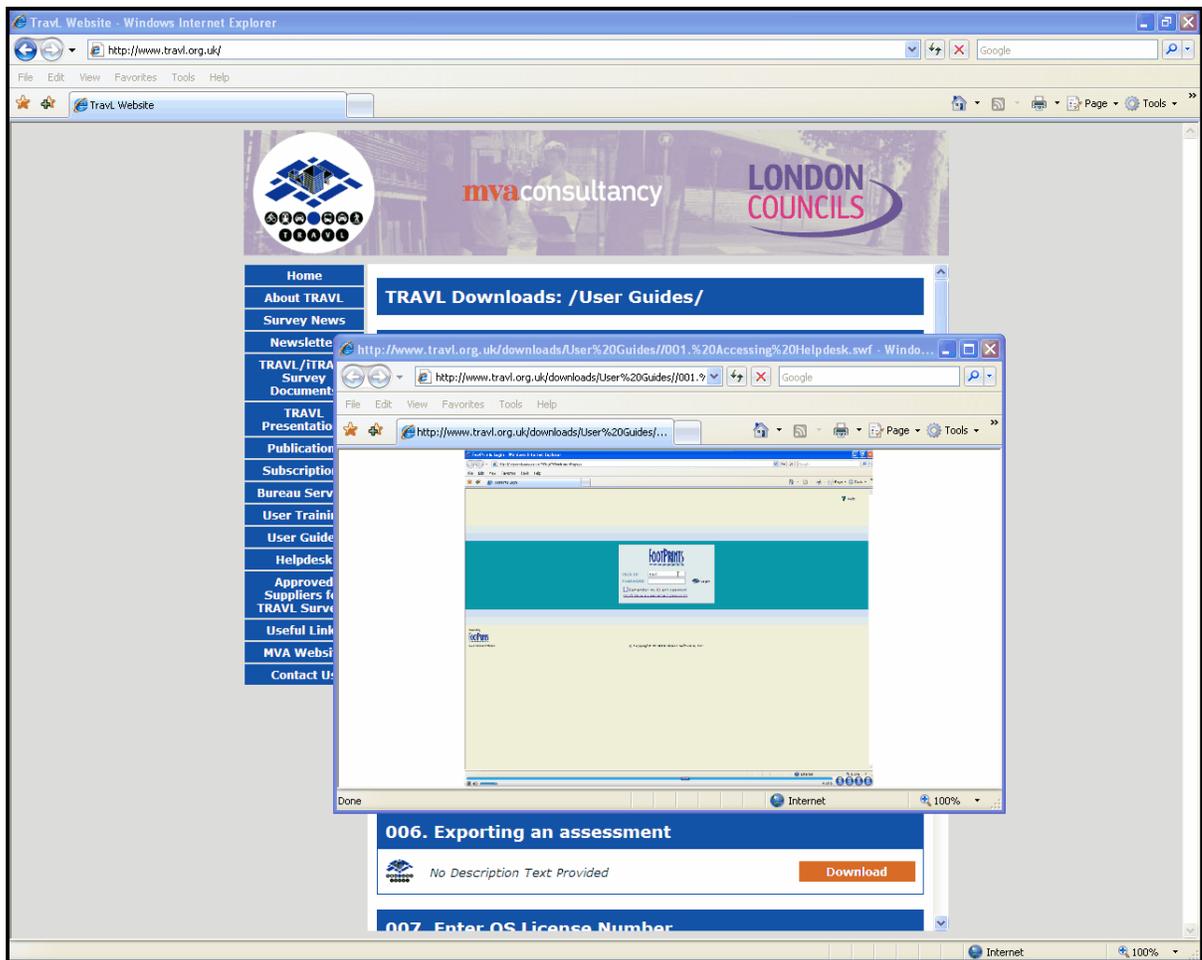
After submitting your request you can track its progress. To do this click on the 'Review my Request' icon. To view a request simply click on it and all the details of the request will be displayed.

The screenshot shows the 'My Requests for Travl.' page in the TRAVL system. At the top right, it identifies the user as 'Project Travl User TRAVL TRAVL'. A search bar is available with options for 'Title', 'Keyword', and 'Number'. The left sidebar contains navigation links for Home, Travl Downloads, Requests (with sub-links for Submit, View Mine, Search), Global Issues, Knowledge Base (with sub-links for FAQ, View All, Search), Reports, Instant Talk, My Preferences, Help, and Logout. The main content area displays a table of requests with columns for Issue #, Last Edited On, Status, and Title. The table lists 18 requests, with the most recent being issue #106 on 20/11/2008. The status of requests varies, including Request, Open, and Closed.

Issue #	Last Edited On	Status	Title
106	20/11/2008	Request	Daily Trip Rate Totals
105	23/10/2008	Request	Mr Torto
104	16/09/2008	Request	Run time error
103	16/09/2008	Request	Setup password
102	01/09/2008	Request	TRAVL Expired
101	01/09/2008	Open	TRAVL Expired
100	25/06/2008	Request	TRAVL Not Connecting
99	25/06/2008	Request	TRAVL Not Connecting
98	25/06/2008	Request	TRAVL Not Connecting
97	20/06/2008	Open	Problems installing v8.07a
96	19/05/2008	Request	Gross Floor Area for Leisure Uses
95	28/04/2008	Open	No Trip Rates provided
94	22/04/2008	Open	Software Upgrade Download Issue
93	28/04/2008	Closed	Travl expired
92	28/04/2008	Closed	Access violation when accessing Travl
91	28/04/2008	Closed	Software expired
90	28/04/2008	Closed	Expiration message and corrupt zip file
88	02/10/2007	Closed	Expiration message
87	02/10/2007	Closed	Same problem AGAIN, This copy of Travl has expired
86	01/10/2007	Closed	This copy of TRAVL has expired!

## 10.2 Flash User Demonstrations

Further help using TRAVL is available in the form of TRAVL Flash User Guides. These guides are available via the [TRAVL website](#). Each guide walks the viewer through a basic function of TRAVL click by click. If you would like to suggest a guide please contact the [TRAVL team](#).



### 10.3 Contacting the TRAVL Team

The contact details of the TRAVL team are kept up-to-date on the [TRAVL website](#).

The screenshot shows the MVA Consultancy website. At the top, there are logos for 'mvaconsultancy' and 'LONDON COUNCILS'. A navigation menu on the left includes links such as Home, About TRAVL, Survey News, Newsletter, TRAVL/ITRACE Survey Documents, TRAVL Presentations, Publications, Subscriptions, Bureau Service, User Training, User Guides, Helpdesk, Approved Suppliers for TRAVL Surveys, Useful Links, MVA Website, and Contact Us.

The main content area features a blue header for 'Survey Staff' with the text: 'We wish to recruit additional survey staff to supplement our team!'. Below this, it says: 'If you or someone you know is interested, please contact Louise Smith for an initial discussion'.

Below the Survey Staff section is a blue header for 'Project Staff' followed by a list of staff members:

Staff Member	Role	Contact Number
 Mike Slinn	Project Director	
 <a href="#">Louise Smith</a> (Formerly Louise Travers)	Project Manager	01483 742956
 <a href="#">Sophie Robertson</a>	Survey Manager	01483 742 920
 <a href="#">Emma Bowles</a>	Survey Assistant	01483 742 883
 <a href="#">Antony Onipko</a>	Survey Assistant	01483 742 957

**Part**



**XI**

## 11 Glossary of Terms

<b>Age of respondents</b>	Percentage of respondents in age categories: under 18, 18-29, 30-49, 50-64, over 65
<b>Car ownership</b>	Percentage of households owning at least one car based on questionnaire responses
<b>Consulting rooms</b>	Number of dedicated rooms available to treat or examine patients
<b>Cost status</b>	Inexpensive: A cafe/snack bar type restaurant/bar, or a restaurant that is part of a chain Expensive: All other types of restaurant/bar
<b>Distance to next site</b>	The crow-fly distance to the next comparable site measured in kilometres
<b>Distance to school</b>	The crow-fly distance from the site entrance to the nearest school, measured in metres
<b>Distance to shops</b>	The crow-fly distance from the site entrance to the nearest shops, measured in metres
<b>Easting and northing</b>	Uses the standard Ordnance Survey grid reference to pinpoint the centre of the site
<b>Employer's business trips</b>	One-way inbound trips by employees carrying out work-related duties, for example, attending meetings, site visits, etc. Only final mode is recorded
<b>Ethnicity</b>	Ethnic group of respondents according to the categories used in the 1991 census, expressed as a percentage
<b>Facilities</b>	Details of the facilities provided and services available to the public not recorded in other fields
<b>Final mode</b>	The last mode of transport used to complete the journey to the site, excluding walks of five minutes or less
<b>Gross floor area</b>	The sum of the total area of each floor in the building, including non-productive space such as plant, storage and basement car parking
<b>Main mode</b>	The mode of transport used for the greatest amount of time
<b>Managed parking</b>	On site parking is considered to be managed if entry or exit is controlled by manned or automatic barriers, if a fee is levied for using the parking facilities or if any other method is used to control entry or duration of stay
<b>Number of beds</b>	Total number of beds available for patients or customers
<b>Number of coaches</b>	Number of dedicated coach parking spaces

<b>Number of day students</b>	Total number of registered day students based on site
<b>Number of doctors</b>	Number of doctors/dentists at surgery on the day of the survey
<b>Number of employees</b>	The sum of full-time and part-time employees
<b>Number of full-time staff</b>	The number of employees based on site who normally work 30 hours or more per week
<b>Number of loading bays</b>	Number of designated loading areas for delivery vehicles
<b>Number of part-time staff</b>	Staff on payroll who normally work less than 30 hours per week
<b>Number of residential units</b>	The sum total of residential units on the site
<b>Number of rooms</b>	Total number of bedrooms, or the number of residential units multiplied by the number of bedrooms in each on residential sites
<b>Number of seats</b>	Total number of seats available for customers
<b>Number of screens</b>	Total number of cinema screens
<b>Number of tills</b>	Total number of cash tills, including tobacco counters etc.
<b>Occupancy rate</b>	Percentage of occupants compared to full capacity on the day of the survey
<b>Opening times</b>	The hours during which the development is open to the public
<b>Other Mode</b>	The label used by the reports to identify any non-standard modes recorded in a survey.
<b>Owner</b>	Whether the site is in public or private ownership
<b>Parking spaces</b>	The <i>Total Parking Spaces</i> field shows the sum total of the designated on-site parking spaces for people with disabilities, visitors and employees listed in the fields below. If visitors and employees share a car park, the total number of spaces will be included in the <i>Visitor Parking Spaces</i> field
<b>Personal business trips</b>	One-way inbound trips by employees carrying out activities unrelated to their work, e.g. going to lunch, going shopping, etc. Only final mode is recorded
<b>Provision for disabled people</b>	Whether special provision is made for disabled visitors to access the site

<b>Public opening times</b>	The hours during which members of the public are permitted to visit the site														
<b>Public transport index distance</b>	A quantitative measure of accessibility to public accessibility transport calculated using the number of services, the walk to stops and the waiting time														
<b>Public transport particular site,</b>	A figure used to indicate the level of accessibility to a representing a range of PTAI														
	<table border="0"> <thead> <tr> <th style="text-align: left;"><b>Accessibility Level</b></th> <th style="text-align: left;"><b>PTAI Score</b></th> </tr> </thead> <tbody> <tr> <td>1 (Low)</td> <td>1 - 5</td> </tr> <tr> <td>2</td> <td>6 - 10</td> </tr> <tr> <td>3</td> <td>11 - 15</td> </tr> <tr> <td>4</td> <td>16 - 20</td> </tr> <tr> <td>5</td> <td>21 - 25</td> </tr> <tr> <td>6 (High)</td> <td>&gt;25</td> </tr> </tbody> </table>	<b>Accessibility Level</b>	<b>PTAI Score</b>	1 (Low)	1 - 5	2	6 - 10	3	11 - 15	4	16 - 20	5	21 - 25	6 (High)	>25
<b>Accessibility Level</b>	<b>PTAI Score</b>														
1 (Low)	1 - 5														
2	6 - 10														
3	11 - 15														
4	16 - 20														
5	21 - 25														
6 (High)	>25														
<b>Retail floor area</b>	Retail Floor Area is the productive space in a shop i.e. the sales area, expressed in square metres														
<b>Return mode</b>	The first mode of transport used to leave the site excluding walk journeys of five minutes or less														
<b>Sector</b>	<p>Central: City of London and the parts of the boroughs of Camden, Hackney, Islington, Lambeth, Kensington &amp; Chelsea, Tower Hamlets, Southwark and Westminster which fall within the Central Statistical Areas (CSA)</p> <p>Inner: Camden (non CSA), Hackney (non CSA), Hammersmith &amp; Fulham, Haringey, Islington (non CSA), Kensington &amp; Chelsea (non CSA), Lambeth (non CSA), Lewisham, Newham, Southwark (non CSA), Tower Hamlets (non CSA), Wandsworth, Westminster (non CSA)</p> <p>Outer: Barking &amp; Dagenham, Barnet, Bexley, Brent, Bromley, Croydon, Ealing, Enfield, Greenwich, Harrow, Havering, Hillingdon, Hounslow, Kingston, Merton, Redbridge, Richmond, Sutton, Waltham Forest</p>														
<b>Site area</b>	Total area of the site, including all undeveloped land, in square metres														
<b>Site information</b>	A text field containing additional information about the site location or layout not contained elsewhere in the available fields														
<b>Survey hours 1 &amp; 2</b>	Shows the time period covered by the survey. The additional field allows for split shift surveys when the development in question closes during the day														
<b>Survey notes</b>	Contains important details of the methodology used and details of any factors unrelated to the site layout that might have affected the results of the survey (e.g., weather conditions, local events affecting visitor numbers, etc)														
<b>Trip rate</b>	The predicted number of inbound and outbound trips,														

normally expressed as the number of trips per 100 sq.m or per unit if the predictor does not relate to area.

**Type of hotel**

Luxury - Rated 3 star or over  
Standard - Rated less than 3 star

**Type of street parking**

Controlled: The site is within a controlled parking zone (i.e., parking is confined to designated bays and there is no opportunity to park on-street free of charge for an unlimited time). This category includes Red Routes.

Waiting Restrictions: The site is not within a CPZ, but is within an area of comprehensive waiting restrictions on most roads (i.e., where there is little opportunity to park on-street)

Uncontrolled: The site is within an area with no waiting restrictions, or with waiting restrictions only on main roads

**Use Groups**

TRAVL uses the land use categories specified in the Town and Country Planning (Use Classes) Order 1987 and subsequent amendments as the basis for sorting the surveys. These, along with the sub-classes used by TRAVL, are shown in Appendix A.

**Part**



## 12 Appendix

### 12.1 Appendix A - Use Classes

Use Classes and sub-groups used by TRAVL

<b>A1</b>	<b>Retail</b> <i>Garden Centre</i> <i>Other Use</i> <i>Retail Park</i> <i>Retail Warehouse</i> <i>Supermarket</i>
<b>A2</b>	<b>Financial and Professional Services</b>
<b>A3</b>	<b>Food and Drink</b> <i>Public House</i> <i>Restaurant</i> <i>Take-away/Fast Food</i>
<b>B1</b>	<b>Business</b> <i>Light Industrial</i> <i>Office</i>
<b>B2</b>	<b>General Industrial</b>
<b>B8</b>	<b>Storage and Distribution</b>
<b>C1</b>	<b>Hotels</b>
<b>C2</b>	<b>Residential Institutions</b> <i>Hospital</i> <i>Residential Care</i>
<b>C3</b>	<b>Residential</b>
<b>D1</b>	<b>Non-residential Institutions</b> <i>Day nurseries</i> <i>Health Service</i> <i>Non-residential School</i> <i>Other use</i>
<b>D2</b>	<b>Assembly and Leisure</b> <i>Bingo</i> <i>Bowling</i> <i>Cinema</i> <i>Health clubs and sports centres</i> <i>Leisure complex</i> <i>Nightclubs</i> <i>Other use</i>
<b>SG</b>	<b>No defined Use Class</b> <i>Hostel</i> <i>Mini-cab office</i> <i>Other use</i> <i>Petrol station</i> <i>Theatre</i>

## 12.2 Appendix B - Data Fields

### Predictors by land-use

Land-use/predictors	Gross floor area	Site area	Retail floor area	Seats	Screens	Beds	Bedrooms	Dwellings	Employees	Day students	Doctors	Consulting rooms
A1 Garden centres	•		•									
Retail Park	•		•									
Retail Warehouse	•		•									
Supermarket	•		•									
Other	•		•									
A3 Public House	•			•								
Restaurant	•			•								
Take-Away/Fast Food	•			•								
B1 Light Industrial	•								•			
Office	•								•			
B2 Light Industry	•								•			
C1 Hotel	•					•	•					
C2 Residential care	•					•						
Hospital	•					•						
C3 Residential		•					•		•			
D1 Day nursery	•									•		
Non-resi. School	•									•		
Health service	•										•	•
D2 Bingo	•			•								
Cinema	•			•	•							
SG Hostel	•					•						
Petrol Station	•	•										
Theatre	•			•								

NB: all land uses use GFA as a predictor except Residential. Only those classes with additional predictors are listed here.

## 12.3 Appendix C - PTAL Formula

### Calculation of Public Transport Accessibility Index

The steps to calculate the accessibility index are as follows:

For each public transport service within walking distance, the minimum access time is calculated.

#### Access Time = Walk Time + Average Waiting Time

The walk time is based on the shortest distance on the road network. The Average Waiting Time is based on the scheduled wait time (i.e. ½ the headway) plus a reliability factor (k) to take account of congestion, delays, etc. Therefore, AWT = k + SWT, where K is 2 minutes for buses and 0.75 minutes for rail/Underground.

To compare services at different distances, the access times are converted to the Equivalent Doorstep Frequency (EDF) - as if walking distance is nil.

#### EDF = 30 / Access Time (minutes)

The Accessibility Index (AI) is a simple addition of the EDFs, with a weighting in favour of the most accessible service for each mode. Whilst the full value of the EDFs are used for the most accessible bus, Underground and rail services, the EDFs for the other services are halved.

$$AI_{Bus} = (EDF_{most\ accessible} + 0.5 \sum EDF_{rest})_{Bus\ services}$$

$$AI_{Underground} = (EDF_{most\ accessible} + 0.5 \sum EDF_{rest})_{Underground\ services}$$

$$AI_{Rail} = (EDF_{most\ accessible} + 0.5 \sum EDF_{rest})_{Rail\ services}$$

$$AI_{Total} = AI_{Bus} + AI_{Underground} + AI_{Rail}$$

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