

Appendix A – Data Review

A review of the data provided as part of Drain London Tier 1 package of works and that used within this SWMP has been undertaken. An assessment of the quality of the data has been completed, using the criteria set out in the Defra SWMP Guidance, which is summarised in Table A-1.

Table A-1 Data Review Scoring System (from Table 3-1 in Defra SWMP Guidance 2010)

Data Quality Score	Description	Explanations	Example
1	Best possible	No better available; not possible to improve in the near future	<ul style="list-style-type: none"> High resolution LiDAR River/sewer flow data Rain gauge data
2	Data with known deficiencies	Best replaced as soon as new data are available	<ul style="list-style-type: none"> Typical sewer or river model that is a few years old
3	Gross assumptions	Not invented but based on experience and judgement	<ul style="list-style-type: none"> Location, extent and depth of much surface water flooding Operation of un-modelled highway drainage 'future risk' inputs e.g. rainfall, population
4	Heroic assumptions	An educated guess	<ul style="list-style-type: none"> Ground roughness for 2D models

Colour Label used in Data Review Columns	
GY	No data
R	Information provided is not useful / relevant to study
O	Information provided is potentially useful but requires further processing e.g. digitising of flooding records
GN	Information provided is relevant / can be used within study with little additional processing required

Appendix A - Data Review
Data Supplied by Lambeth Borough Council

Organisation	Source	Identification		ibution Inform	Quality&Validity	Identification	Quality&Validity	Data Review Information			
				File Type	Limitations, uncertainty or perceived weakness	Notes	Score	Colour Label	Comments	Limitations	
Lambeth Borough Council	Brockwell Park flood area 27-4-04.pdf	Historical records of surface water, groundwater, highway, sewer and ordinary watercourse flooding (properties affected, photos, video, aerial imagery, CCTV etc.)	Additional information potentially available in Lambeth archives	pdf - .pdf	Source unknown, accuracy unknown. Likely to be anecdotal based on observations	Map showing area in Herne Hill flooded in 2004	3	O	Relates to flood map mentioned in email about SuDS schemes informaiton	None	
Lambeth Borough Council	Parks.zip	GIS layer of parks and open spaces	GIS layer of Parks	zip - .zip	Not known, although accuracy cannot be confirmed	Will require updating as new data sets become available	2	GN	Complete GIS dataset	None	
Lambeth Borough Council	BR_Stations.zip	GIS layer of hospitals, fire stations, schools and transport links	GIS layer of Stations	zip - .zip	Not known, although accuracy cannot be confirmed	Will require updating as new data sets become available	2	GN	Complete GIS dataset	None	
Lambeth Borough Council	Fire_Stations.zip	GIS layer of hospitals, fire stations, schools and transport links	GIS layer of fire stations	zip - .zip	Not known, although accuracy cannot be confirmed	Will require updating as new data sets become available	2	GN	Complete GIS dataset	None	
Lambeth Borough Council	Hospitals.zip	GIS layer of hospitals, fire stations, schools and transport links	GIS layer of hospitals	zip - .zip	Not known, although accuracy cannot be confirmed	Will require updating as new data sets become available	2	GN	Complete GIS dataset	None	
Lambeth Borough Council	Schools.zip	GIS layer of hospitals, fire stations, schools and transport links	GIS layer of schools	zip - .zip	Not known, although accuracy cannot be confirmed	Will require updating as new data sets become available	2	GN	Complete GIS dataset	None	
Lambeth Borough Council	Underground_Stations.zip	GIS layer of hospitals, fire stations, schools and transport links	GIS layer of underground stations	zip - .zip	Not known, although accuracy cannot be confirmed	Will require updating as new data sets become available	2	GN	Complete GIS dataset	None	
Lambeth Borough Council	Gully locations Lambeth.xls	Drainage network information – sewers (surface, foul, combined), culverts, drains (surface water, highway), gullies, ditches, other open drainage channels	Currently Undertaking Asset Management of the Highway network, not known for other departments within Lambeth i.e. Housing, Education (Owen Davies)	excel/csv - .xls/.csv	List of Gully locations by street name - no georeferenced data included	List of gully locations (not georeferenced)	3	O	Not easy to georeference	None	
Lambeth Borough Council	3a Aerial Photos.zip	Aerial photography	Aerial photography	zip - .zip	Unsure of date of acquisition	Aerial photography in crv image format (requires converting)	2	O	Crv image format, needs converting	None	
Lambeth Borough Council	3b LiDAR Data.zip	DTM/LiDAR data	LiDAR data	zip - .zip	Unsure of date of acquisition	DTM and DSM in arcview grid format	2	R	Will be superseded	None	
Lambeth Borough Council	4c - SUDS schemes.pdf	SUDS schemes information (Council adopted SUDS)	Some data available - Owen Davies	pdf - .pdf	List of SUDs schemes which have been implemented, very basic little detail and most relate to small volumes	List of SUDS drainage schemes	3	O	Flood map mentioned relates to 2004 flooding and not 2005.	None	4c - SUDS schemes.xls
Lambeth Borough Council	4d SFRA.zip	Strategic Flood Risk Assessments (SFRA)	Planning - Alan Vinal (Level 1 and Level 2 reports available. L2 includes some direct rainfall modelling in Vauxhall and Waterloo)	pdf - .pdf	SFRA reports Level 1 and Level 2	SFRA includes some direct rainfall modelling for Waterloo	2	GN	Report completed by Scott Wilson in 2008	None	
Lambeth Borough Council	mgConvert2PDF.pdf	Flood committee / scrutiny panel reports	Sustainability Forum - Owen Davies http://www.lambeth.gov.uk/moderngov/ieListDocuments.aspx?CId=557&MId=7030	web - .html	N/A	N/A	N/A	R	Data not available at time of review	None	
Lambeth Borough Council	5i Maintenance email 2010-06-29.pdf	Maintenance regimes and records of all assets	Street Care - Keith Nash email	pdf - .pdf	No guarantee that this regime has been followed	List of general maintenance regimes for gullie cleaning and no. of blocked gullies	3	O	Email details that further information was to be sent - havent received. See other info tab	None	
Lambeth Borough Council	LDFCoreStrategy.pdf	Current stage of LDF process	Planning - Alan Vinal See - http://www.lambeth.gov.uk/Services/HousingPlanning/Planning/PlanningPolicy/LocalDevelopmentFramework.htm . And - http://www.lambeth.gov.uk/Services/HousingPlanning/Planning/PlanningPolicy/LDFCoreStrategy.htm	web - .html	Process is ongoing, check current status	Will require updating as new data sets become available	2	R	Data not available at time of review	None	
Lambeth Borough Council	LocalDevelopmentFramework.pdf	Current stage of LDF process	Planning - Alan Vinal See - http://www.lambeth.gov.uk/Services/HousingPlanning/Planning/PlanningPolicy/LocalDevelopmentFramework.htm . And - http://www.lambeth.gov.uk/Services/HousingPlanning/Planning/PlanningPolicy/LDFCoreStrategy.htm	web - .html	Process is ongoing, check current status	Will require updating as new data sets become available	2	R	Data not available at time of review	None	
Lambeth Borough Council	LDFCoreStrategySubmissionVersionMarch2010.pdf	Core Strategy Development Plans – location, extent and programme for new housing and business development.	Planning - Alan Vinal See - http://www.lambeth.gov.uk/Services/HousingPlanning/Planning/PlanningPolicy/LDFCoreStrategySubmissionVersion.htm	web - .html	Process is ongoing, check current status	Will require updating as new data sets become available	2	O	Some useful information on the planning policy	None	

Appendix A - Data Review
Data Supplied by BGS

Organisation	Source	Identification		Distribution Information	Source	Quality&Validity	Identification	Quality & Validity	Data Review Information			
				File Type					Saved Location on server	Limitations, uncertainty or perceived weakness	Notes	Score
British Geological Survey	DiGMapGB-50 V5.18.zip	DiGMapGB-50 V5.18	DiGMapGB-50 V5.18 GIS Layers (1:50k)	zip - .zip	Strategic Data Providers\BGS\DATA	Best data available	Best data available	2	GN	Data plots as one file	No geological data outside borough boundary	
British Geological Survey	Parent Materials.zip	Soil Parent Material Model	Soil Parent Material Model GIS Layer	zip - .zip	Strategic Data Providers\BGS\DATA	Best data available	Best data available	2	R	Able to plot data but can't get BGS colour code classifications. Suspect Avl file not working correctly	No geological data outside borough boundary	
British Geological Survey	Permeability V5.zip	Permeability V5	Permeability V5 GIS Layer	zip - .zip	Strategic Data Providers\BGS\DATA	Best data available	Best data available	2	R	Able to plot data but can't get BGS colour code classifications. Suspect Avl file not working correctly	No geological data outside borough boundary	
British Geological Survey	Susceptibility to Groundwater Flooding.zip	Susceptibility to Groundwater Flooding	Susceptibility to Groundwater Flooding GIS Layer	zip - .zip	Strategic Data Providers\BGS\DATA	Best data available	Best data available	2	GN	Data plots as one file. Can obtain BGS colour code classifications from data	No geological data outside borough boundary	
British Geological Survey	Geological Indicators of Flooding V5.1.zip	Geological indicators of flooding	Geological indicators of flooding GIS layer	zip - .zip	Strategic Data Providers\BGS\DATA	Best data available	Best data available	2	GN	Data plots as one file. Can obtain BGS colour code classifications from data	No geological data outside borough boundary	

Appendix A - Data Review
Data Supplied by Environment Agency

Organisation	Source	Identification	Distribution Information	Source	Quality&Validity	Identification	Quality & Validity	Data Review Information				
			File Type	Saved Location on server	Limitations, uncertainty or perceived weakness	Notes	Score	Colour Label	Comments	Limitations	New file name (if geo-referenced)	
Environment Agency	Defence_OCG4&5.zip	Asset Data	Location of Thames Tidal defences with condition grade 4 or 5 (shapefile)	zip - .zip	Strategic Data Providers\EA\Asset Data	Extract from NFCDD	Best available information	2	O			Defence_polyline_v2,
Environment Agency	FailingAssets.zip	Asset Data	Thames Tidal defences with condition grade 4 or 5 (report from NFCDD)	zip - .zip	Strategic Data Providers\EA\Asset Data	Extract from NFCDD	Best available information	2	O	Would need to be georeferenced		
Environment Agency	System Asset Management Plan Summary Reports.zip	Asset Data	System Asset Management Plan Summary Reports for South London, containing strategic drivers, major assets, failing assets and planned interventions.	zip - .zip	Strategic Data Providers\EA\Asset Data	Extract from NFCDD	Best available information	2	O	Would need to be georeferenced - think covered under routine maintenance spreadsheet		
Environment Agency	FRM_Systems_NE.zip	Asset Data	System Asset Management Plan Summary Reports for North London, containing strategic drivers, major assets, failing assets and planned interventions.	zip - .zip	Strategic Data Providers\EA\Asset Data	Extract from NFCDD	Best available information	2	R	Doesn't cover Groups 7 and 8		
Environment Agency	FRM_Systems_SE.zip	Asset Data	System Asset Management Plan Shapefile showing location of systems in London.	zip - .zip	Strategic Data Providers\EA\Asset Data	No known limitations	Best available information	2	O			FRM_Systems_SE
Environment Agency	Maintenance programmes for 2009-10.zip	Asset Data	Environment Agency maintenance programmes for 2009-2010 for London.	zip - .zip	Strategic Data Providers\EA\Asset Data	No known limitations	Best available information	2	O	Would need to be georeferenced - think covered under routine		
Environment Agency	Routine_maintenance_2010_2011_Web_version_June.xls	Asset Data	Environment Agency routine maintenance activities 2010-2010 for London.	excel/csv - .xls/.csv	Strategic Data Providers\EA\Asset Data	No known limitations	Best available information	2	GN			
Environment Agency	Other_Maintenance_activities_2010-11.xls	Asset Data	Environment Agency other (non-routine) maintenance activities 2010-2011 for London.	excel/csv - .xls/.csv	Strategic Data Providers\EA\Asset Data	No known limitations	Best available information	2	O			
Environment Agency	catchment_50k.zip	General & non-Flood Data	Catchment area shapefile for Thames Region, attributed with catchment names and codes.	zip - .zip	Strategic Data Providers\EA\General and non-Flood Data				GN	Tab file created for catchments within the study area		catchment_50k.zip
Environment Agency	TE2100_ProductCatalogue_V1_090924.xls	General & non-Flood Data	Excel spreadsheet of reports and data produced by Thames Estuary 2100 project. Not all reports and data are available for supply. Please get in touch with Tom Sampson at EA to enquire about reports or data which are relevant to Surface Water Management Plans in London.		Strategic Data Providers\EA\General and non-Flood Data	Catalogue of reports provided. Not all reports and data are available for supply. Please get in touch with Tom Sampson at EA to enquire about reports or			O	Spreadsheet of data relating to Thame Estuary project. Contact Tom Sampson at the EA if any data is required		
Environment Agency	London_Discharges 04-10.xls	General & non-Flood Data	All discharge consents in London with grid reference.	excel/csv - .xls/.csv	Strategic Data Providers\EA\General and non-Flood Data	No known limitations.	Best available information		O	Spreadsheet of discharge	Not in GUS format but contains	
Environment Agency	LONDON_GQA 04-10.xls	General & non-Flood Data	2008 general quality assessments in London (not georeferenced)	excel/csv - .xls/.csv	Strategic Data Providers\EA\General and non-Flood Data	File not georeferenced.	Best available information	2	O	Water quality data for points in London	Not georeferenced	
Environment Agency	London_WFD Status&Targets 04-10.xls	General & non-Flood Data	Water Framework Directive water quality status and targets (not spatially referenced)	excel/csv - .xls/.csv	Strategic Data Providers\EA\General and non-Flood Data	File incomplete. Should refer to Environment Agency website for up	Best available information	3	O	Spreadsheet of WFD water quality status and targets	Not georeferenced	
Environment Agency	North_London_Fisheries Reports.zip	General & non-Flood Data	North London fisheries reports or studies	zip - .zip	Strategic Data Providers\EA\General and non-Flood Data	Nonly covers North London. No information	Best available information	2	R	Not covering our area		
Environment Agency	Thames_CFMP_July_2008.zip	General & non-Flood Data	Thames Catchment Flood Management Plan (July 2008)	zip - .zip	Strategic Data Providers\EA\General and non-Flood Data	No known limitations.	Best available information	2	GN			
Environment Agency	Thames_CFMP_Summary_Report_December_2009.pdf	General & non-Flood Data	Thames Catchment Flood Management Plan Summary Report (December 2009)	zip - .zip	Strategic Data Providers\EA\General and non-Flood Data	No known limitations.	Best available information	2	GN			
Environment Agency	Thames_Region_CAMS.zip	General & non-Flood Data	Thames Region Catchment Abstraction Management Strategies	zip - .zip	Strategic Data Providers\EA\General and non-Flood Data	No known limitations.	Best available information	2	GN			
Environment Agency	Thames_River_Basin_Management_Plan_2009.zip	General & non-Flood Data	Thames River Basin Management Plan (December 2009)	zip - .zip	Strategic Data Providers\EA\General and non-Flood Data	No known limitations.	Best available information	2	GN			
Environment Agency	flood_event_outline_10k_London.zip	Historic Flood Data	Flood Event Outlines in London extracted from NFCDD. Only attribute fields approved for access have been supplied. Attributes: shapefile name - official NFCDD name (explanation) FLOODEVENT - Flood Event Code (unique code for flood event) FLOODEVE0 - Outline Code (unique code for each outline) FLOODEVE1 - Flood Event Name STARTDATE - Start Date ENDDATE - End Date SOURCEOFBO - Source of boundary (source of data) SOURCEOFFL - Source of flooding (e.g. main river) CAUSEOFFLO - Cause of flooding (e.g. overtopping of defences) FLIVIALFLA - Fluvial Ind (true/false if fluvial) TIDALFLAG - Tidal Ind (true/false if tidal) COASTALFLA - Coastal Ind (true/false if coastal) FLOODMAPIN - HFM Ind (flag indicating if outline is included on historic flood map)	zip - .zip	Strategic Data Providers\EA\Historic Flood Data	No known limitations.	Best available information	2	GN	Cropped data and created TAB file, now located in original zipped folder (flood_event_outline_10k_London.zip)		flood_event_outline_10k_London.TAB

Appendix A - Data Review
Data Supplied by Environment Agency

Organisation	Source	Identification	Distribution Information	Source	Quality&Validity	Identification	Quality & Validity	Data Review Information				
			File Type					Saved Location on server	Limitations, uncertainty or perceived weakness	Notes	Score	Colour Label
Environment Agency	Historic Flood Map OI193911.zip	Historic Flood Data	Supplied through Geostore. Historic Flood Map Events is the maximum extent of all recorded individual Historic Flood Events Outlines from river, the sea and groundwater springs and shows areas of land that have previously been subject to flooding in England & Wales. The data is updated every three months, but may not change quarter to quarter if there have been no significant flood events in the preceding period. The dataset consists of spatial data only. Please note that this map shows flooding to the land and does not necessarily indicate that properties within the Historic Flood Map were flooded internally. It is also possible that the pattern of flooding in this area has changed and that this area would now flood under different circumstances. In addition, absence of coverage by the Historic Flood Map for an area does not mean that the area has never flooded, only that we do not currently have records of flooding in this area.	zip - .zip	Strategic Data Providers\EA\Historic Flood Data	No known limitations.	Best available information	2	GN	Cropped data and created TAB file, now located in original zipped folder (Historic Flood Map OI93911.zip)		SV0000_nat_hfm_v1_20.TAB
Environment Agency	Flood Map OI193910.zip	Flood Modelling & Mapping	Supplied through Geostore. The Flood Map shows the areas across England and Wales that could be affected by flooding from rivers or the sea. It also shows flood defences and the areas that benefit from them. Flood Map is designed to raise awareness among the public, local authorities and other organisations of the likelihood of flooding, and to encourage people living and working in areas prone to flooding to find out more and take appropriate action. The Flood Map includes the following layers of information: Flood Zone 3 is the Agency's best estimate of the areas of land with a 100 to 1 (or greater) chance of flooding each year from rivers, or with a 200 to 1 chance (or greater) of flooding each year from the sea. Flood Zone 2 is the Agency's best estimate of the areas of land between Zone 3 and the extent of the flood from rivers or the sea with a 1000 to 1 chance of flooding in any year. It includes those areas defined in flood zone 3. Flood Defences shows those defences constructed during the last five years with a standard of protection equal to or better than 1 percent for rivers and 0.5 percent from the sea.	zip - .zip	Strategic Data Providers\EA\Flood Modelling and Mapping\Mapping Only	No known limitations.	Best available information	2	GN	Cropped data and created TAB file		SV0000_nat_areas benefit_v1_21_v2, SV0000_nat_defences_v2_14_v2, SV0000_nat_floodzone2_v4_0_v2, SV0000_nat_floodzone3_v4_0_v2, SV0000_nat_fsa_v1_21_v2
Environment Agency	Main River 10k OI183819.zip	Flood Modelling & Mapping	Supplied through geostore. Main river centrelines showing which river sections are classified as main as approved by the Secretary of State.	zip - .zip	Strategic Data Providers\EA\Flood Modelling and Mapping\Mapping Only	No known limitations.	Best available information	2	GN	Cropped data and created TAB file		SV0000_main_rivers_10k_v2
Environment Agency	Areas Susceptible to Surface Water Flooding OI170589.zip	Flood Modelling & Mapping	Supplied through geostore. Flood data for areas naturally vulnerable to surface water flooding from a 1 in 200 year return period, 6.25 hour duration rainfall event over a 5 x 5km area.	zip - .zip	Strategic Data Providers\EA\Flood Modelling and Mapping\Mapping Only	No known limitations.	Best available information	2	GN	Cropped data and created TAB file, now located in original folder (ASTSWF OI170589)		SV0000_ASTSWF_intermediate_April_09_v2, SV0000_ASTSWF_less_April_09_v2, SV0000_ASTSWF_more_April_09_v2
Environment Agency	Detailed River Network OI183820.zip	Flood Modelling & Mapping	Supplied through geostore. The Detailed River Network (DRN) is the only large-scale, accurate and fully attributed digital river centreline covering England and Wales. The DRN is captured from the water features theme of the OS MasterMap topographic layer and built into a network using automated rules. Other input datasets and extensive local Environment Agency staff knowledge has been used to augment the core geometry to incorporate critical spatial detail and attribution, such as flow direction and path, not available from the OS mapping and to verify the accuracy of the centreline itself. The dataset has full-feature network geometry cross-referenced with OS MasterMap following Digital National Framework principles.	zip - .zip	Strategic Data Providers\EA\Flood Modelling and Mapping\Mapping Only	No known limitations.	Best available information	2	GN	Cropped data and created TAB file		SV0000_drn_v2, SV0000_drnodes_v2, SV0000_drnoffline_v2
Environment Agency	NaFRA2008.zip	Flood Modelling & Mapping	Supplied through geostore. NaFRA 2006 Spatial Flood Likelihood Category (FLC) Grid (version 8.2) is the latest output using the Risk Assessment for flood and coastal defence for Strategic Planning (RASP) High Level Method Plus (HLM+). It is a broad-brush assessment of the likelihood of flooding at a national scale, based on assessments undertaken for 85 river catchments and coastal cells, where a cell is an area of land measuring 50m by 50m. NaFRA 2008 Spatial (FLC) Grid enables a comparison of the relative risks and their distribution within each of these catchments, rather than a detailed, local assessment of the risk at a specific location. The calculations provide an indication of the likelihood of flooding at the centre of each cell. These results are then placed into three risk categories as used by the insurance industry. The three risk categories are: - low - the chance of flooding each year is 0.5 per cent (1 in 200) or less - moderate - the chance of flooding in any year is 1.3 per cent (1 in 75) or less but greater than 0.5 per cent (1 in 200) or less - high - the chance of flooding in any year is greater than 1.3 per cent (1 in 75) or less but greater than 0.5 per cent (1 in 200) or less	zip - .zip	Strategic Data Providers\EA\Flood Modelling and Mapping\Mapping Only	No known limitations.	Best available information	2	GN	Cropped data and created TAB file		NaFRA2008_v2

Appendix A - Data Review
Data Supplied by Environment Agency

Organisation	Source	Identification	Distribution Information	Source	Quality&Validity	Identification	Quality & Validity	Data Review Information				
			File Type					Saved Location on server	Limitations, uncertainty or perceived weakness	Notes	Score	Colour Label
Environment Agency	Readme.txt	Flood Modelling & Mapping	Information related to downloaded Geostore data and licence issues. Environment Agency data supplied to Scott Wilson for use on behalf of the Greater London Authority, 7th May 2010 and 13th July 2010.	zip - .zip	Strategic Data Providers\EA\Flood Modelling and Mapping\Mapping Only	No known limitations. Only pertains to licensing/downloaded data.	Best available information	1	R	Do not cover study area		
Environment Agency	Beverley Brook Product 5 Model Report.zip	Flood Modelling & Mapping	Fluvial flood model. Beverley Brook Product 5 - model reports. Final Report_Beverley Brook_09 06 09	zip - .zip	Strategic Data Providers\EA\Flood Modelling and Mapping\Modeling	No known limitations but must be aware input data and modelling assumptions used in	Best available information	2	O			
Environment Agency	Beverley Brook Product 6 Model Output Data.zip	Flood Modelling & Mapping	Fluvial flood model. Beverley Brook Product 6 - model output data. Contains: ISIS & Tuflow results files, flood extents and report with model outputs.	zip - .zip	Strategic Data Providers\EA\Flood Modelling and Mapping\Modeling	No known limitations but must be aware input data and modelling assumptions used in	Best available information	2	O			
Environment Agency	Beverley Brook Product 7 CaVMID.zip	Flood Modelling & Mapping	Fluvial flood model. Beverley Brook Product 7 - CaVMID (Calibrated & Verified Model Input Data). Contains ISIS-Tuflow model input files including hydrological inflows.	zip - .zip	Strategic Data Providers\EA\Flood Modelling and Mapping\Modeling	No known limitations but must be aware input data and modelling assumptions used in generating models.	Best available information	2	O			
Environment Agency	Hogsmill IUD Product 5 Model Report.zip	Flood Modelling & Mapping	Surface water modelling and planning. Hogsmill IUD Product 5 - model reports. Includes: Hogsmill Pilot IUD - Final Report_Vol 1_170608, Hogsmill IUD Pilot Vol 2_170608, Hogsmill IUD Final_Vo1 3, Hogsmill IUD Exe Summary_18.06.08	zip - .zip	Strategic Data Providers\EA\Flood Modelling and Mapping\Modeling	No known limitations but must be aware input data and modelling assumptions used in generating models.	Best available information	2	O			
Environment Agency	Hogsmill IUD Product 7 CaVMID.zip	Flood Modelling & Mapping	Surface water Infoworks model files. Hogsmill IUD Product 7 CaVMID (Calibrated & Verified Model Input Data). Contains: Hogsmill Final 2D Models Infoworks	zip - .zip	Strategic Data Providers\EA\Flood Modelling and Mapping\Modeling	No known limitations but must be aware input data and modelling assumptions used in generating models.	Best available information	2	O			
Environment Agency	Hogsmill Phase 1 2003 Product 5 Reports.zip	Flood Modelling & Mapping	Fluvial flood model. Hogsmill Phase 1 Product 5 - model reports. Final Hydrology Report, Final Hydraulic report	zip - .zip	Strategic Data Providers\EA\Flood Modelling and Mapping\Modeling	No known limitations but must be aware input data and modelling assumptions used in	Best available information	2	O			
Environment Agency	Hogsmill Phase 1 2003 Product 6 Model Outputs.zip	Flood Modelling & Mapping	Fluvial flood model. Hogsmill Phase 1 Product 6 - model output data. Contains: flood outlines, ISIS results, Flow & level spreadsheet, ArcGIS shapefiles	zip - .zip	Strategic Data Providers\EA\Flood Modelling and Mapping\Modeling	No known limitations but must be aware input data and modelling assumptions used in generating models.	Best available information	2	O			
Environment Agency	Hogsmill Phase 1 2003 Product 7 CaVMID.zip	Flood Modelling & Mapping	Fluvial flood model. Hogsmill Phase 1 Product 7 - CaVMID (Calibrated & Verified Model Input Data). Contains ISIS model input files including hydrological inflows.	zip - .zip	Strategic Data Providers\EA\Flood Modelling and Mapping\Modeling	No known limitations but must be aware input data and modelling assumptions used in generating models.	Best available information	2	O			
Environment Agency	Hogsmill Phase 2 Product 5 Reports.zip	Flood Modelling & Mapping	Fluvial flood model. Hogsmill Phase 2 Product 5 - model reports. TH662_Hogsmill_Hydraulic_Report	zip - .zip	Strategic Data Providers\EA\Flood Modelling and Mapping\Modeling	No known limitations but must be aware input data and modelling assumptions used in	Best available information	2	O			
Environment Agency	Hogsmill Phase 2 Product 6 Model outputs.zip	Flood Modelling & Mapping	Fluvial flood model. Hogsmill Phase 2 Product 6 - model output data. Contains: flood outlines, ISIS & tuflow results, Flow & level spreadsheet, ArcGIS shapefiles	zip - .zip	Strategic Data Providers\EA\Flood Modelling and Mapping\Modeling	No known limitations but must be aware input data and modelling assumptions used in generating models.	Best available information	2	O			
Environment Agency	Hogsmill Phase 2 Product 7 CaVMID.zip	Flood Modelling & Mapping	Fluvial flood model. Hogsmill Phase 2 Product 7 - CaVMID (Calibrated & Verified Model Input Data). Contains ISIS-Tuflow model input files including hydrological inflows.	zip - .zip	Strategic Data Providers\EA\Flood Modelling and Mapping\Modeling	No known limitations but must be aware input data and modelling assumptions used in generating models.	Best available information	2	O			
Environment Agency	Ravensbourne Product 5 Reports.zip	Flood Modelling & Mapping	Fluvial flood model. Ravensbourne 2009 Product 5 - model reports. Contains: Ravensbourne Model Review, Response to Ravensbourne Model Review, Ravensbourne Culvert Survey Report, Ravensbourne 2D Modelling 2009, Ravensbourne Hazard Mapping Report.	zip - .zip	Strategic Data Providers\EA\Flood Modelling and Mapping\Modeling	No known limitations but must be aware input data and modelling assumptions used in generating models.	Best available information	2	R	Do not cover study area		
Environment Agency	Ravensbourne Product 6 Model Outputs.zip	Flood Modelling & Mapping	Fluvial flood model. Ravensbourne 2009 Product 6 - model output data. Contains: flood outlines, ISIS & tuflow results, Flow & level spreadsheet, ArcGIS shapefiles, Hazard maps,	zip - .zip	Strategic Data Providers\EA\Flood Modelling and Mapping\Modeling	No known limitations but must be aware input data and modelling assumptions used in generating models.	Best available information	2	R	Do not cover study area		
Environment Agency	Ravensbourne Product 7 CaVMID.zip	Flood Modelling & Mapping	Fluvial flood model. Ravensbourne 2009 Product 7 - CaVMID (Calibrated & Verified Model Input Data). Contains ISIS-Tuflow model input files including hydrological inflows.	zip - .zip	Strategic Data Providers\EA\Flood Modelling and Mapping\Modeling	No known limitations but must be aware input data and modelling assumptions used in generating models.	Best available information	2	R	Do not cover study area		
Environment Agency	Ravensbourne Delivery Plan Product 5 reports.zip	Flood Modelling & Mapping	Surface water flood model. Ravensbourne Delivery Plan (2009). Product 5 - reports. Contains: Ravensbourne Delivery Plan April 2009 V13, Ravensbourne Delivery Plan Maps April 2009.	zip - .zip	Strategic Data Providers\EA\Flood Modelling and Mapping\Modeling	No known limitations but must be aware input data and modelling assumptions used in generating models.	Best available information	2	R	Do not cover study area		
Environment Agency	Ravensbourne Delivery Plan Product 6 Model Outputs.zip	Flood Modelling & Mapping	Surface water flood model. Ravensbourne Delivery Plan (2009). Product 6 - model outputs . Contains: tuflow output files	zip - .zip	Strategic Data Providers\EA\Flood Modelling and Mapping\Modeling	No known limitations but must be aware input data and modelling assumptions used in generating models.	Best available information	2	R	Do not cover study area		
Environment Agency	Beam, Ingrebourne and Marshes East Model 2006.zip	Flood Modelling & Mapping	Beam, Ingrebourne & Marshes East Model (Jacobs, 2006) GIS - Modelled outlines, nodes, reservoir units Model - .dat files, .ixy Reports + appendices	zip - .zip	Strategic Data Providers\EA\Flood Modelling and Mapping\Modeling	No known limitations but must be aware input data and modelling assumptions used in generating models.	Best available information	2	R	Do not cover study area		

Appendix A - Data Review
Data Supplied by Environment Agency

Organisation	Source	Identification	Distribution Information	Source	Quality & Validity	Identification	Quality & Validity	Data Review Information				
			File Type					Saved Location on server	Limitations, uncertainty or perceived weakness	Notes	Score	Colour Label
Environment Agency	Beam, Ingrebourne and Marshes West Model 2006.zip	Flood Modelling & Mapping	Beam, Ingrebourne & Marshes West Model (Halcrow, 2006) GIS - Modelled outlines, nodes, reservoir units Model - .ief files, .gxy Reports + appendices	zip - .zip	Strategic Data Providers\EA\Flood Modelling and Mapping\Modelling	No known limitations but must be aware input data and modelling assumptions used in generating models.	Best available information	2	R	Do not cover study area		
Environment Agency	River Brent Modelling and Mapping Study 2009.zip	Flood Modelling & Mapping	River Brent Modelling & Mapping Study (Jacobs, 2009) GIS - modelled outlines, nodes Model - .ied files, .gxy Reports + appendices	zip - .zip	Strategic Data Providers\EA\Flood Modelling and Mapping\Modelling	No known limitations but must be aware input data and modelling assumptions used in generating models.	Best available information	2	R	Do not cover study area		
Environment Agency	River Crane Modelling and Mapping Study 2008.zip	Flood Modelling & Mapping	Provided in: North London Flood Model Products 5, 6 & 7 River Crane Modelling & Mapping Study (Halcrow, 2008) GIS - modelled outlines, nodes Reports + appendices	zip - .zip	Strategic Data Providers\EA\Flood Modelling and Mapping\Modelling	No known limitations but must be aware input data and modelling assumptions used in generating models.	Best available information	2	O			
Environment Agency	Lower Colne Improvement Scheme Modelling 2004.zip	Flood Modelling & Mapping	Lower Colne Improvement Scheme Modelling (PBA, 2004) GIS - modelled outlines, nodes, reservoir units Model - .ied, .dat and .ixy Reports + appendices	zip - .zip	Strategic Data Providers\EA\Flood Modelling and Mapping\Modelling	No known limitations but must be aware input data and modelling assumptions used in generating models.	Best available information	2	R	Do not cover study area		
Environment Agency	River Pinn Flood Mapping Study 2008.zip	Flood Modelling & Mapping	River Pinn Mapping Study (Mott MacDonald, 2008) GIS - modelled outlines, nodes, ABDs Model - .dat, .feb, .gxy, .ief, .zsd, .zsl Reports + appendices	zip - .zip	Strategic Data Providers\EA\Flood Modelling and Mapping\Modelling	No known limitations but must be aware input data and modelling assumptions used in generating models.	Best available information	2	R	Do not cover study area		
Environment Agency	Beam, Ingrebourne and Marshes (West) Mayes Brook Model 2006.zip	Flood Modelling & Mapping	Beam, Ingrebourne & Marshes (West) - Mayes Brook (Halcrow, 2006) GIS - Modelled outlines, nodes, reservoir units Model - .dat, .ied, .feb, .gxy	zip - .zip	Strategic Data Providers\EA\Flood Modelling and Mapping\Modelling	No known limitations but must be aware input data and modelling assumptions used in generating models.	Best available information	2	R	Do not cover study area		
Environment Agency	Lower Roding Strategy Modelling 2005.zip	Flood Modelling & Mapping	Lower Roding Strategy Model (B&V, 2005) GIS - Modelled outlines, nodes, reservoir units Model - .dat, .ied, .feb, .gxy Reports + appendices	zip - .zip	Strategic Data Providers\EA\Flood Modelling and Mapping\Modelling	No known limitations but must be aware input data and modelling assumptions used in generating models.	Best available information	2	R	Do not cover study area		
Environment Agency	Middle Roding Section 105 Modelling 2003.zip	Flood Modelling & Mapping	Middle Roding Section 105 model (Jacobs, 2003) GIS - Modelled outlines, nodes, reservoir units Model - .dat, .ied, .feb, .gxy Reports + appendices	zip - .zip	Strategic Data Providers\EA\Flood Modelling and Mapping\Modelling	No known limitations but must be aware input data and modelling assumptions used in generating models.	Best available information	2	R	Do not cover study area		
Environment Agency	Silk Stream FAS Modelling 2007.zip	Flood Modelling & Mapping	Silk Stream FAS modelling (Halcrow, 2007) GIS - Modelled outlines, nodes Model - .dat	zip - .zip	Strategic Data Providers\EA\Flood Modelling and Mapping\Modelling	No known limitations but must be aware input data and modelling assumptions used in generating models.	Best available information	2	R	Do not cover study area		
Environment Agency	Upper Colne Strategy Modelling 2004.zip	Flood Modelling & Mapping	Upper Colne Strategy Modelling (Halcrow, 2004) GIS - Modelled outlines, nodes, reservoir units Model - .dat, .gxy Reports + appendices	zip - .zip	Strategic Data Providers\EA\Flood Modelling and Mapping\Modelling	No known limitations but must be aware input data and modelling assumptions used in generating models.	Best available information	2	R	Do not cover study area		
Environment Agency	Erith Product 5 Reports.zip	Flood Modelling & Mapping	Integrated flood risk model. Erith Marshes Ditches & Dykes study. Product 5 - model reports. Contains: Erith Marshes Ditches and Dykes Study Surface Water Management Final Report, Erith Marshes Ditches and Dykes Hydrology Phase 2	zip - .zip	Strategic Data Providers\EA\Flood Modelling and Mapping\Modelling	No known limitations but must be aware input data and modelling assumptions used in generating models.	Best available information	2	R	Do not cover study area		
Environment Agency	Erith Product 6&7 Model files.zip	Flood Modelling & Mapping	Integrated flood risk model. Erith Marshes Ditches & Dykes study. Product 6&7 - infoworks model files of baseline and scenario tests.	zip - .zip	Strategic Data Providers\EA\Flood Modelling and Mapping\Modelling	No known limitations but must be aware input data and modelling assumptions used in generating models.	Best available information	2	R	Do not cover study area		
Environment Agency	Thamesmead Product 5 Reports.zip	Flood Modelling & Mapping	Integrated flood risk model. Thamesmead canals masterplan evidence base. Product 5 - model reports. Contains: Thamesmead Canal Corridor Enhancement Masterplan, 26621 C025 Thamesmead Canal Corridor DRAFT Model Report v1.0, 26621-C021 - WQ Report Chapter v4 - FINAL DRAFT 9Apr10, 26621-C022 Thamesmead ECOLOGY_12Apr10, 26621-C024 - CL Report Chapter	zip - .zip	Strategic Data Providers\EA\Flood Modelling and Mapping\Modelling	No known limitations but must be aware input data and modelling assumptions used in generating models.	Best available information	2	O			
Environment Agency	Thamesmead Product 6&7 model files.zip	Flood Modelling & Mapping	Integrated flood risk model. Thamesmead canals masterplan evidence base. Product 6&7 - infoworks model files of baseline and scenario tests.	zip - .zip	Strategic Data Providers\EA\Flood Modelling and Mapping\Modelling	No known limitations but must be aware input data and modelling assumptions used in generating models.	Best available information	2	O			
Environment Agency	Lee Detailed Model.zip		River Lee detailed model. Contains GIS modelled outlines and nodes	zip - .zip	Strategic Data Providers\EA\Flood Modelling and Mapping\Modelling	No known limitations but must be aware input data and modelling	Best available information	2	R	Do not cover study area		
Environment Agency	Wandle Product 5.zip		Fluvial model Wandle Product 5 - model reports	zip - .zip	Strategic Data Providers\EA\Flood Modelling and Mapping\Modelling	No known limitations but must be aware input data and modelling	Best available information	2	O			
Environment Agency	Wandle Product 6		Fluvial model Wandle Product 6 - model output data	zip - .zip	Strategic Data Providers\EA\Flood Modelling and Mapping\Modelling	No known limitations but must be aware input data and modelling assumptions used in	Best available information	2	O			

Appendix A - Data Review
Data Supplied by Environment Agency

Organisation	Source	Identification	Distribution Information	Source	Quality&Validity	Identification	Quality & Validity	Data Review Information				
			File Type					Saved Location on server	Limitations, uncertainty or perceived weakness	Notes	Score	Colour Label
Environment Agency	NE_Flowdata_Apr10.xls	Hydrometric Data	River flow data from 2004 to 2010 in North London	excel/csv - .xls/.csv	Strategic Data Providers\EA\Hydrometric Data	No known limitations.	Best available information	2	R	Does not cover study area		
Environment Agency	NE_Groundwaterdata_Apr10.xls	Hydrometric Data	Groundwater level data from 2004 to 2010 in North London	excel/csv - .xls/.csv	Strategic Data Providers\EA\Hydrometric Data	No known limitations.	Best available information	2	R	Does not cover study area		
Environment Agency	NE_Rainfalldata_Apr10.xls	Hydrometric Data	Rainfall data from 2000 to 2010 in North London	excel/csv - .xls/.csv	Strategic Data Providers\EA\Hydrometric Data	No known limitations.	Best available information	2	R	Does not cover study area		
Environment Agency	EA_Hydrometric_data_network_London.zip	Hydrometric Data	Shapefile of hydrometric data network in London including river, rain and groundwater monitoring locations.	zip - .zip	Strategic Data Providers\EA\Hydrometric Data	No known limitations.	Best available information	2	O	Shows a data point for all EA monitoring locations. Useful as it highlights we are missing lots of data in	Lots of data points, most outside area of study	
Environment Agency	SE_Flowdata_May10.xls	Hydrometric Data	River flow data from 2004 to 2010 in South London	excel/csv - .xls/.csv	Strategic Data Providers\EA\Hydrometric Data	No known limitations.	Best available information	2	GN	24 data points, data ranges between 2004-2010	No data before 2004	SE_Flowdata_May10.xls & SE_Flowdata_May10.dbf
Environment Agency	SE_Wandle_GW.xls	Hydrometric Data	Groundwater level data from 2004 to 2010 in the Wandle catchment South London	excel/csv - .xls/.csv	Strategic Data Providers\EA\Hydrometric Data	No known limitations.	Best available information	2	O	34 data points, ranging between 2004-2010. Limited data ie no datum or mAOD values, aquifer details.	No data before 2004. Will need to go back to EA to obtain more details. Also see EA Hydrometric data network	SE_Wandle_GW_dbf & SE_Wandle_GW.xls
Environment Agency	SE_Ravensbourne_GW.xls	Hydrometric Data	Groundwater level data from 2004 to 2010 in the Ravensbourne catchment South London	excel/csv - .xls/.csv	Strategic Data Providers\EA\Hydrometric Data	No known limitations.	Best available information	2	O	34 data points, ranging between 2004-2010. Limited data ie no datum or mAOD values, aquifer details.	No data before 2004. Will need to go back to EA to obtain more details. Also see EA Hydrometric data network	SE_Ravensbourne_GW_dbf & SE_Ravensbourne_GW.xls
Environment Agency	SE_Hogsmill_GW.xls	Hydrometric Data	Groundwater level data from 2004 to 2010 in the Hogsmill catchment South London	excel/csv - .xls/.csv	Strategic Data Providers\EA\Hydrometric Data	No known limitations.	Best available information	2	O	34 data points, ranging between 2004-2010. Limited data ie no datum or mAOD values, aquifer details.	No data before 2004. Will need to go back to EA to obtain more details. Also see EA Hydrometric data network	SE_Hogsmill_GW_dbf & SE_Hogsmill_GW.xls
Environment Agency	SE_Thamesmead_GW.xls	Hydrometric Data	Groundwater level data from 2004 to 2010 in the Thamesmead catchment South London	excel/csv - .xls/.csv	Strategic Data Providers\EA\Hydrometric Data	No known limitations.	Best available information	2	O	34 data points, ranging between 2004-2010. Limited data ie no datum or mAOD values, aquifer details.	No data before 2004. Will need to go back to EA to obtain more details. Also see EA Hydrometric data network	SE_Thamesmead_GW_dbf & SE_Thamesmead_GW.xls
Environment Agency	SE_Beverley_Brook_GW.xls	Hydrometric Data	Groundwater level data from 2004 to 2010 in the Beverley Brook catchment South London	excel/csv - .xls/.csv	Strategic Data Providers\EA\Hydrometric Data	No known limitations.	Best available information	2	O	34 data points, ranging between 2004-2010. Limited data ie no datum or mAOD values, aquifer details.	No data before 2004. Will need to go back to EA to obtain more details. Also see EA Hydrometric data network	SE_Beverley_Brook_GW_dbf & SE_Beverley_Brook_GW.xls
Environment Agency	SE_Rainfall_May10.xls	Hydrometric Data	Rainfall data from 2000 to 2010 in South London	excel/csv - .xls/.csv	Strategic Data Providers\EA\Hydrometric Data	No known limitations.	Best available information	2	GN	14 Rainfall stations plotted, 1 in Kingston, 1 in Merton, 1 in Wandsworth, 2 in Sutton.	Data only goes back as far as 2000. No data for Richmond, Lambeth or Southwark	SE_Rainfall_May10.dbf & SE_Rainfall_May10.xls
Environment Agency	NE_Thames_Drift_Geology_GWVulnerability_map.pdf	Hydrometric Data	North London drift geology groundwater vulnerability map	pdf - .pdf	Strategic Data Providers\EA\Hydrometric Data	No known limitations.	Best available information	2	R	Does not cover study area		
Environment Agency	NE_Thames_GW_Nitrate_Vulnerability_Map.pdf	Hydrometric Data	North London groundwater nitrate vulnerability map	pdf - .pdf	Strategic Data Providers\EA\Hydrometric Data	No known limitations.	Best available information	2	R	Does not cover study area		
Environment Agency	NE_Thames_Solid_Geology_GWVulnerability_map.pdf	Hydrometric Data	North London solid geology groundwater vulnerability map	pdf - .pdf	Strategic Data Providers\EA\Hydrometric Data	No known limitations.	Best available information	2	R	Does not cover study area		
Environment Agency	LondonRainfall.zip	Hydrometric Data	Rainfall data from all relevant raingauges in London	pdf - .pdf	Strategic Data Providers\EA\Hydrometric Data	No known limitations.	Best available information	1	GN	Data plotted. 1 in Wandsworth (1989-1990), 1 in Kingston (1989-1990), 2 in Sutton (1972-2010) and 4 in Wandsworth (1989-1990).	No data for Southwark, Lambeth or Richmond. Most sets of data where applicable are only 1-2 years long.	LondonRainfall.dbf & LondonRainfall.xls
Environment Agency	FWAs_NE_March_2010.zip	Flood Incident Management Data	Flood Warning Areas in North London	zip - .zip	Strategic Data Providers\EA\Flood Incident Management Data	No known limitations.	Best available information	2	R	Do not cover study area		
Environment Agency	FWAs_SE_March_2010.zip	Flood Incident Management Data	Flood Warning Areas in South London	zip - .zip	Strategic Data Providers\EA\Flood Incident Management Data	No known limitations.	Best available information	2	GN	Tab file created containing data in our area		FWAs_SE_March_2010.TAB
Environment Agency	EAGEOSTORE_OI204652.zip	National Receptor Dataset	The National Receptor Dataset (NRD) is a collection of risk receptors primarily intended for use in flood and coastal erosion risk management. It is available for use by Local Planning Authorities, Environment Agency and their contractors. NRD is a spatial dataset which contains a number of GIS layers categorised into themes of information including buildings, environment, heritage, transport, utilities. These are defined in more detail in this document. Coverage is provided for England and Wales (where available) only. The data stored within the NRD meets the information requirements of a range of Flood and Coastal Risk Management (FCRM) practitioners within the Local Planning Authorities and Environment Agency. This first version of the dataset has been designed to meet the needs of Preliminary Flood Risk Assessments and the Environment Agency's National Flood Risk Assessment.	zip - .zip	Strategic Data Providers\EA\Flood Modelling and Mapping\Mapping Only	No known limitations.	Best available information	2	O	Cropped data and created TAB file - Part 2 zipped folder not cropped or TAB file created as GBD file (sarah looking into how to open this).		
Environment Agency	Raised Defences		PROTECT COMMERCIAL. Tidal and Fluvial formal raised defences for the area covered by the GLA. Includes attributes of (extract from NFCDD 01/11/2010)	zip - .zip	Strategic Data Providers\EA\Raised Defences Data	No known limitations.	Best available information	2	GN	Tab file created containing data in our area		raised defences_fluvial_v2

Appendix A - Data Review
Data Supplied by GLA

Organisation	Source	Identification		Distribution Information	Source	Quality&Validity	Identification	Quality&Validity	Data Review Information				
				File Type	Saved Location on server	Limitations, uncertainty or perceived weakness	Notes	Score	Colour Label	Comments	Limitations	New file name (if geo-referenced)	
Greater London Authority	London_Assembly_constituency.zip	London Assembly Constituency	GIS Shapefile of London Assembly Constituency	zip - .zip	Strategic Data Providers\GLA\GIS Data\Boundary Lines	No known limitations	Best data available	1	GN				
Greater London Authority	London_Borough.zip	London Borough	GIS Shapefile London Boroughs	zip - .zip	Strategic Data Providers\GLA\GIS Data\Boundary Lines	No known limitations	Best data available	1	GN				
Greater London Authority	London_Borough_Excluding_MHW.zip	London Borough Excluding MHW	GIS Shapefile of London Boroughs with River Thames boundary mapped.	zip - .zip	Strategic Data Providers\GLA\GIS Data\Boundary Lines	No known limitations	Best data available	1	GN				
Greater London Authority	London_GLA_Boundary.zip	London GLA Boundary	GIS Shapefile of London GLA Boundary	zip - .zip	Strategic Data Providers\GLA\GIS Data\Boundary Lines	No known limitations	Best data available	1	GN				
Greater London Authority	London_GLA_Boundary_within_England.zip	London GLA Boundary within England	GIS Shapefile of London GLA Boundary within England	zip - .zip	Strategic Data Providers\GLA\GIS Data\Boundary Lines	No known limitations	Best data available	1	GN				
Greater London Authority	London_Inner_Boundary.zip	London Inner Boundary	GIS Shapefile of London Inner Boundary	zip - .zip	Strategic Data Providers\GLA\GIS Data\Boundary Lines	No known limitations	Best data available	1	GN				
Greater London Authority	london_subregions_2006.zip	London Subregions 2006	GIS Shapefile of London Subregions 2006	zip - .zip	Strategic Data Providers\GLA\GIS Data\Boundary Lines	No known limitations	Best data available	1	GN				
Greater London Authority	London_Ward.zip	London Ward	GIS Shapefile of London Ward	zip - .zip	Strategic Data Providers\GLA\GIS Data\Boundary Lines	No known limitations	Best data available	1	GN				
Greater London Authority	London_Ward_CityMerged.zip	London Ward CityMerged	GIS Shapefile of London Ward City Merged	zip - .zip	Strategic Data Providers\GLA\GIS Data\Boundary Lines	No known limitations	Best data available	1	GN				
Greater London Authority	London_Westminster_Constituency.zip	London Westminster Constituency	GIS Shapefile of London Westminster Constituency	zip - .zip	Strategic Data Providers\GLA\GIS Data\Boundary Lines	No known limitations	Best data available	1	GN				
Greater London Authority	Areas for Regeneration LP 2009.zip	Areas for Regeneration	GIS MapInfo file of London Plan 2009 Areas for Regeneration	zip - .zip	Strategic Data Providers\GLA\GIS Data\London Plan	Based on London Plan 2009.	Best data available	2	GN				
Greater London Authority	Areas_for_Intensification_PointData_LP2009.zip	Areas for Intensification	GIS MapInfo file of London Plan 2009 Areas for Intensification	zip - .zip	Strategic Data Providers\GLA\GIS Data\London Plan	Based on London Plan 2009.	Best data available	2	GN				
Greater London Authority	blueribbon network.zip	Blue Ribbon Network	GIS Shapefile of London Plan 2009 Blueribbon Network	zip - .zip	Strategic Data Providers\GLA\GIS Data\London Plan	Based on London Plan 2009.	Best data available	2	GN				
Greater London Authority	CAZ_Boundary_LP2009.zip	Central Activities Zone Boundary	GIS MapInfo file of London Plan 2009 Central Activities Zone	zip - .zip	Strategic Data Providers\GLA\GIS Data\London Plan	Based on London Plan 2009.	Best data available	2	GN				
Greater London Authority	Inner_Outer_London_Boundaries_LP2009.zip	Inner Outer London Boundaries	GIS MapInfo file of London Plan 2009 Inner Outer London Boundaries	zip - .zip	Strategic Data Providers\GLA\GIS Data\London Plan	Based on London Plan 2009.	Best data available	2	GN				
Greater London Authority	Opportunity_Area_PointData_LP2009.zip	Opportunity Area PointData	GIS MapInfo file of London Plan 2009 Opportunity Area	zip - .zip	Strategic Data Providers\GLA\GIS Data\London Plan	Based on London Plan 2009.	Best data available	2	GN				
Greater London Authority	SILs_pointdata_Sep09.zip	Strategic Industrial Locations	GIS MapInfo file of London Plan 2009 Strategic Industrial Locations (September 2009)	zip - .zip	Strategic Data Providers\GLA\GIS Data\London Plan	Based on London Plan 2009.	Best data available	2	GN				
Greater London Authority	Subregions_LP2009.zip	Subregions	GIS MapInfo file of London Plan 2009 Subregions	zip - .zip	Strategic Data Providers\GLA\GIS Data\London Plan	Based on London Plan 2009.	Best data available	2	GN				

Appendix A - Data Review
Data Supplied by GLA

Organisation	Source	Identification		Distribution Information	Source	Quality&Validity	Identification	Quality&Validity	Data Review Information				
				File Type	Saved Location on server	Limitations, uncertainty or perceived weakness	Notes	Score	Colour Label	Comments	Limitations	New file name (if geo-referenced)	
Greater London Authority	mastermap.zip	OS Mastermap	OS Mastermap Layers in ESRI Shapefile and MapInfo format	zip - .zip	Strategic Data Providers\GLA\GIS Data\OS Mapping	No known limitations	Best data available	1	GN				
Greater London Authority	OS10k.zip	OS 1:10k Mapping	OS 1:10k Layers in ESRI Shapefile and MapInfo format	zip - .zip	Strategic Data Providers\GLA\GIS Data\OS Mapping	No known limitations	Best data available	1	GN				
Greater London Authority	OS50k.zip	OS 1:50k Mapping	OS 1:50k Layers in ESRI Shapefile and MapInfo format	zip - .zip	Strategic Data Providers\GLA\GIS Data\OS Mapping	No known limitations	Best data available	1	GN				
Greater London Authority	VirtualLondonLidar.zip	Virtua lLondon Lidar	Virtua London Lidar Imagery in ESRI Shapefile and MapInfo format	zip - .zip	Strategic Data Providers\GLA\GIS Data\Imagery	Imagery only.	Best data available	2	GN				
Greater London Authority	GISDataCatalogue.xls	GLA GIS Data Catalogue	Catalogue of GIS holdings for GLA	zip - .zip	Strategic Data Providers\GLA\GIS Data	No known limitations but will be updated regually so may need to check for updated version	Best data available at time of data collection	2	GN				

Appendix A - Data Review
Data Supplied by Highways Agency

Organisation	Source	Identification		Distribution Information	Source	Quality&Validity	Identification	Quality & Validity	Data Review Information			
				File Type	Saved Location on server	Limitations, uncertainty or perceived weakness	Notes	Score	Colour Label	Comments	Limitations	New file name (if geo-referenced)
Highways Agency	Draft IAN HADDMS data population March 2008.pdf	HA Drainage assets (location, type)	Asset inventory data guidance document (draft, March 2008).	zip - .zip	Strategic Data Providers\Highways Agency\Data	Best data available	Best data available	2	O	Asset guidance document. Only provides limited information and nothing specific about individual problem areas.	Can only be used as a general guidance document	
Highways Agency	Asset_Inventory_GIS_Data.zip	HA Drainage assets (location, type)	Asset inventory data as ESRI Shapefiles.	zip - .zip	Strategic Data Providers\Highways Agency\Data	Best data available	Best data available	2	R	All shape file contained within this zip file plot outside group 7 and 8. Files do give areas of flooding and locations along the roads.	Outside study area	
Highways Agency	Flooding_Hotspot_Area5.zip	Roads (segments/reaches) susceptible to closure due to flooding	A flood risk assessment has recently been carried out and a map extract has been provided as ESRI Shapefile.	zip - .zip	Strategic Data Providers\Highways Agency\Data	Best data available	Best data available	2	R	Shows flooding areas along the southern section of the M25, M23 and M1. All outside our study area. Georeferenced and plots with no problems	Outside study area	
Highways Agency	HA Drainage and Flood Data Description rev 03 2010_07_16.pdf	Drainage and Flood Data Description	Description of the flood and drainage data provided by the Highways Agency for the Drain London project.	pdf - .pdf	Strategic Data Providers\Highways Agency\Data	For information.	For information.	1	O	Provides guidance on the data provide for the study. Does not identify any individual areas.	Used only as an overall guidance document. There is no information to georeference.	

Appendix A - Data Review
Data Supplied by London Fire Brigade

Organisation	Source	Identification		Distribution Information	Source	Quality&Validity	Identification	Quality & Validity	Data Review Information			
				File Type	Saved Location on server	Limitations, uncertainty or perceived weakness	Notes		Score	Colour Label	Comments	Limitations
London Fire Brigade	flooddata.csv	Records of flooding incidents	Spreadsheet containing all records of flooding shouts since 2000	excel/csv - .xls/.csv	Strategic Data Providers\London Fire Brigade\Data	Best available data	Have to be careful with data set as they do not record what caused the flood. It could be due to rain or burst water main. At london fire brigade they cross reference with rainfall events	2	O	Contains lots of records covering area for call out incidents 2000-2009.	No reference made to type of flooding, could be due to rain or burst water main. Incident date and location may need to be cross referenced with rainfall events to identify likely surface water flooding incidents.	flooddata_v2.TAB
London Fire Brigade	Flooding photos.zip	Photos of flooding	Zip folder containing photos of flood incidents	zip - .zip	Strategic Data Providers\London Fire Brigade\Data	Best available data	Only a few photos of events.	3	R	Only photos for 3 incidents provided and none fall with Groups 7 or 8. Incident 3005061 (Photoset 36991) falls within Group 1.	Does not cover Groups 7 or 8.	N/A
London Fire Brigade	Flood Incident Photos.doc	Photos of flooding	Word document describing photos	word - .doc	Strategic Data Providers\London Fire Brigade\Data	Best available data	Word document listing location of photos. Only 3 events	3	R	Relates to photos in Flooding Photos.zip. As none of the photos are of use for Groups 7 & 8 this document is of limited use.	Does not cover Groups 7 or 8.	N/A

Appendix A - Data Review
Data Supplied by London Underground

Organisation	Source	Identification		Distribution Information	Source	Quality&Validity	Identification	Quality & Validity	Data Review Information			
				File Type					Saved Location on server	Limitations, uncertainty or perceived weakness	Notes	Score
London Underground	Manager's review report.doc	Historic records of flooding (including depths and photographs)	Provided two files containing records of flooding incidents of both the tracks and stations in July 2007	excel/csv - .xls/.csv	Strategic Data Providers\London Underground\Data	Anecdotal data	N/A	2	O	report covering all stations 20th July 2007 and how affected by flooding - needs to be georeferenced		
London Underground	Flood risk.xls	Historic records of flooding (including depths and photographs)	Provided two files containing records of flooding incidents of both the tracks and stations in July 2007	excel/csv - .xls/.csv	Strategic Data Providers\London Underground\Data	Anecdotal data	N/A	2	O	most flooding incidents outside study areas		Flood risk_v2.xls
London Underground	Paddington Train Stranded.jpg	Historic records of flooding (including depths and photographs)	Photograph showing train stranded at Paddington Train.	picture - .jpg, .tif, .bmp, .gif, .png	Strategic Data Providers\London Underground\Data	Anecdotal data	N/A	2	R			
London Underground	Copy of Pump Site Data for GLA.xls	Details of pumping from London Underground infrastructure (location and volume)	excel spreadsheet detailing pumping regime provided	excel/csv - .xls/.csv	Strategic Data Providers\London Underground\Data	No known limitations	Best available information	2	O	Data needs to be georeferenced, some data for stations, other bits for depots etc...		

Appendix A - Data Review
Data Supplied by Natural England

Organisation	Source	Identification		Distribution Information	Source	Quality & Validity	Identification	Quality & Validity	Data Review Information			
				File Type					Saved Location on server	Limitations, uncertainty or perceived weakness	Notes	Score
Natural England	tqawitab.zip	Ancient Woodland	For TQ Tile	tab - .tab	Strategic Data Providers\Natural England\Data	Best available at the time downloaded. May be updated periodically so read docs in folder	N/A	1	GN	cropped data		
Natural England	tqeshtab.zip	Environmental Stewardship Data	For TQ Tile	tab - .tab	Strategic Data Providers\Natural England\Data	time downloaded. May be updated periodically so read docs in folder	N/A	1	GN	cropped data		
Natural England	tqnrntab.zip	National Nature Reserves	For TQ Tile	tab - .tab	Strategic Data Providers\Natural England\Data	Best available at the time downloaded. May be updated periodically so read docs in folder	N/A	1	GN	cropped data		
Natural England	tqramtab.zip	RAMSAR Sites	For TQ Tile	tab - .tab	Strategic Data Providers\Natural England\Data	Best available at the time downloaded. May be updated periodically so read docs in folder	N/A	1	GN	cropped data		
Natural England	tqssstab.zip	Sites of Special Scientific Interest	For TQ Tile	tab - .tab	Strategic Data Providers\Natural England\Data	Best available at the time downloaded. May be updated periodically so read docs in folder	N/A	1	GN	cropped data		
Natural England	tqsactab.zip	Special Areas of Conservation	For TQ Tile	tab - .tab	Strategic Data Providers\Natural England\Data	Best available at the time downloaded. May be updated periodically so read docs in folder	N/A	1	GN	cropped data		
Natural England	tqspatab.zip	Special Protection Areas	For TQ Tile	tab - .tab	Strategic Data Providers\Natural England\Data	Best available at the time downloaded. May be updated periodically so read docs in folder	N/A	1	GN	cropped data		
Natural England	tqsittab.zip	SSSI Unit	For TQ Tile	tab - .tab	Strategic Data Providers\Natural England\Data	Best available at the time downloaded. May be updated periodically so read docs in folder	N/A	1	GN	cropped data		
Natural England	ellnrtab.zip	Local Nature Reserves	England Wide	tab - .tab	Strategic Data Providers\Natural England\Data	time downloaded. May be updated periodically so read docs in folder	N/A	1	GN	cropped data		
Natural England	emcpktab.zip	Country Parks	England Wide	tab - .tab	Strategic Data Providers\Natural England\Data	time downloaded. May be updated periodically so read docs in folder	N/A	1	GN	cropped data		
Natural England	mgaontab.zip	Areas of Outstanding Natural Beauty	England Wide	tab - .tab	Strategic Data Providers\Natural England\Data	time downloaded. May be updated periodically so read docs in folder	N/A	1	GN	cropped data		
Natural England	ebmgrtab.zip	Millennium Green	England Wide	tab - .tab	Strategic Data Providers\Natural England\Data	time downloaded. May be updated periodically so read docs in folder	N/A	1	GN	cropped data		
Natural England	bpcgmtab.zip	Coastal floodplain grazing marsh	England Wide	tab - .tab	Strategic Data Providers\Natural England\Data	time downloaded. May be updated periodically so read docs in folder	N/A	1	GN	cropped data		
Natural England	bpldatab.zip	Lowland dry acidic grassland	England Wide	tab - .tab	Strategic Data Providers\Natural England\Data	time downloaded. May be updated periodically so read docs in folder	N/A	1	GN	cropped data		
Natural England	bplhtab.zip	Lowland heath	England Wide	tab - .tab	Strategic Data Providers\Natural England\Data	time downloaded. May be updated periodically so read docs in folder	N/A	1	GN	cropped data		
Natural England	bpdwhtab.zip	Deciduous Woodland	England Wide	tab - .tab	Strategic Data Providers\Natural England\Data	time downloaded. May be updated periodically so read docs in folder	N/A	1	GN	cropped data		
Natural England	bpmudtab.zip	Mudflat	England Wide	tab - .tab	Strategic Data Providers\Natural England\Data	time downloaded. May be updated periodically so read docs in folder	N/A	1	GN	cropped data		
Natural England	egndwtab.zip	Deciduous woodland networks	England Wide	tab - .tab	Strategic Data Providers\Natural England\Data	Best available at the time downloaded. May be updated periodically so read docs in folder	N/A	1	GN	cropped data		
Natural England	egngstab.zip	Grassland Networks	England Wide	tab - .tab	Strategic Data Providers\Natural England\Data	time downloaded. May be updated periodically so read docs in folder	N/A	1	GN	cropped data		
Natural England	egnhhtab.zip	Heathland Networks	England Wide	tab - .tab	Strategic Data Providers\Natural England\Data	time downloaded. May be updated periodically so read docs in folder	N/A	1	GN	cropped data		

Appendix A - Data Review
Data Supplied by Network Rail

Organisation	Source	Identification	Distribution Information File Type	Source Saved Location on server	Quality & Validity Limitations, uncertainty or perceived weakness	Identification Notes	Quality & Validity Score	Data Review Information			
								Colour Label	Comments	Limitations	New file name (if geo-referenced)
Network Rail	540889_IMDM_CoreEK_18082009.pdf	Rail network, track codes and maintenance regions	Maps taken from the main Network Rail database. No external consultant has access and so no shape files are available	pdf - .pdf	Strategic Data Providers\Network Rail\Data collected\Rail network maps	Best data available	2	O	Provides the line codes and structure of the network. Does not relate to NGRS	Could be georeferenced but does not look very accurate. Therefore best to use in conjunction with OS map of London	
Network Rail	540888_Routes_CoreEK_17102008.pdf	Rail network, track codes and maintenance regions	Maps taken from the main Network Rail database. No external consultant has access and so no shape files are available	pdf - .pdf	Strategic Data Providers\Network Rail\Data collected\Rail network maps	Best data available	2	O	Provides the line codes and structure of the network. Does not relate to NGRS	Could be georeferenced but does not look very accurate. Therefore best to use in conjunction with OS map of London	
Network Rail	nationalrailnetworkmap.pdf	Rail network, track codes and maintenance regions	Map taken from Network rail website, showing whole rail network	pdf - .pdf	Strategic Data Providers\Network Rail\Data collected\Rail network maps	Best data available	2	O	More basic network rail map to show simplistic view of the network. Good for general glance but does not really help for the detail required.	Cannot be converted into NGRS as to simplistic map.	
Network Rail	Flood incident summary_SPC_ECM1_HDB Routes.doc	North East / Midland Territory flooding incident information	Document outlines overall drainage/Flooding issues on sections of the line.	word - .doc	Strategic Data Providers\Network Rail\Data collected\NE_Midlands territory	Best data available	2	R	Outside group 7 and 8	Outside group 7 and 8	
Network Rail	New Southgate site visit 7thJan09.doc	North East / Midland Territory flooding incident information	Site report on Southgate flooding incident	word - .doc	Strategic Data Providers\Network Rail\Data collected\NE_Midlands territory	Best data available	2	R	Outside group 7 and 8	Outside group 7 and 8	
Network Rail	Potters Bar site visit .doc	North East / Midland Territory flooding incident information	Site report on potters bar flooding incident	word - .doc	Strategic Data Providers\Network Rail\Data collected\NE_Midlands territory	Best data available	2	R	Outside group 7 and 8	Outside group 7 and 8	
Network Rail	New Southgate site visit of 4th May 10.doc	North East / Midland Territory flooding incident information	Site report on second Southgate flood incident	word - .doc	Strategic Data Providers\Network Rail\Data collected\NE_Midlands territory	Best data available	2	R	Outside group 7 and 8	Outside group 7 and 8	
Network Rail	ECM1 5.0000 Alexander Palace.zip	North East / Midland Territory flooding incident information	Photos of flooding at Alexander Palace station		Strategic Data Providers\Network Rail\Data collected\NE_Midlands territory	Best data available	2	R	Outside group 7 and 8	Outside group 7 and 8	
Network Rail	SPC1 12.0076 12.0559 Drain Up Elstree Tunnel 20080606 V4.doc	North East / Midland Territory flooding incident information	Site report of flooding at Elstree tunnel	word - .doc	Strategic Data Providers\Network Rail\Data collected\NE_Midlands territory	Best data available	2	R	Outside group 7 and 8	Outside group 7 and 8	
Network Rail	MCJ1 - Drainage Survey.zip	Midland Territory flooding incident information	Drainage survey for the MCJ1 line		Strategic Data Providers\Network Rail\Data collected\NW_Midlands territory	Best data available	2	R	Outside group 7 and 8	Outside group 7 and 8	
Network Rail	10Chain_Diagram_Key.pdf	Midland Territory flooding incident information	PDF showing the diagram key for the drainage surveys	pdf - .pdf	Strategic Data Providers\Network Rail\Data collected\NW_Midlands territory	Best data available	2	R	Outside group 7 and 8	Outside group 7 and 8	
Network Rail	Flood incident summary_MCJ1 Route.doc	Midland Territory flooding incident information	Word document describing flooding problems in the last 5 years on the MCJ1 line	word - .doc	Strategic Data Providers\Network Rail\Data collected\NW_Midlands territory	Best data available	2	R	Outside group 7 and 8	Outside group 7 and 8	
Network Rail	Flood Sites_LNW Route.xls	Midland Territory flooding incident information	Excel spreadsheet give details of flooding on the LNW route	excel/csv - .xls/.csv	Strategic Data Providers\Network Rail\Data collected\NW_Midlands territory	Best data available	2	R	Outside group 7 and 8	Outside group 7 and 8	
Network Rail	Areas Prone To Flooding Within M25 - SE Routes.xls	South / South East Territory flooding incident information	Excel spreadsheet listing details of lines prone to flooding with territory	excel/csv - .xls/.csv	Strategic Data Providers\Network Rail\Data collected\S_SE territory	Best data available	2	GN	Shows areas prone to flooding within M25. Have converted to NGRS and cross referenced to the supplied map from Network rail. Shows a total of 12 issues across the area of the network. 3 prone areas are located within our study area. Attributes table gives detail of the problems	Converted into NGRS using stations and site incident descriptions in attributes table. They have provided details in network distances.	Areas Prone To Flooding - SE Routes_NGRS.xls
Network Rail	Network Rail SE Routes.pdf	South / South East Territory flooding incident information	PDF map showing SE route	pdf - .pdf	Strategic Data Providers\Network Rail\Data collected\S_SE territory	Best data available	2	GN	Has been georeferenced. Plots accurately. Shows areas prone to flooding referenced in the excel spreadsheet. SAVED WITH A NEW FILE NAME	Requires all ESRI files to be copied if the file is moved.	SE Territory map.Jpg
Network Rail	Park Hill Park, Croydon.zip	South / South East Territory flooding incident information	Zip folder containing photos of landslide caused by surface water at Park Hill		Strategic Data Providers\Network Rail\Data collected\S_SE territory	Best data available	2	O	Very useful photos showing the issue of drainage at Park Hill Park, one of the twelve issues highlighted in the flood issues table. Location 5 on NGR converted spreadsheet. Network rail reference VTB2 10m55c . Relevant to Borough of Croydon. Group 8	Need to look at photos individually. Do know location and have relative NGR for the area on the flood incident spreadsheet.	
Network Rail	2007-07-20 - Fulwell to Hampton after summer storm.zip	South / South East Territory flooding incident information	Zip folder containing photos of flooding on the Fulwell to Hampton line during 2007 flooding.		Strategic Data Providers\Network Rail\Data collected\S_SE territory	Best data available	2	O	Very useful photos showing the issue of drainage between Fulwell to Hampton, one of the twelve issues highlighted in the flood issues table. Location 2 on NGR converted spreadsheet. Network rail reference NMS2 12m70c - 13m00c Relevant to Borough of Kingston. Group 8	Need to look at photos individually. Do know location and have relative NGR for the area on the flood incident spreadsheet.	
Network Rail	Flood incident summary_S_SE territory.doc	South / South East Territory flooding incident information	Document listing all data sets provided and brief description of some of them.	word - .doc	Strategic Data Providers\Network Rail\Data collected\S_SE territory	Best data available	2	O	Summary document just listing the above data sets. No extra comments. Comments are included within the excel spreadsheet		

Appendix A - Data Review
Data Supplied by TfL

Organisation	Source	Identification	Distribution Information File Type	Source Saved Location on server	Quality&Validity Limitations, uncertainty or perceived weakness	Identification Notes	Quality & Validity Score	Data Review Information				
								Colour Label	Comments	Limitations	New file name (if geo-referenced)	
Transport for London	Pump stations.zip	Drainage assets - Location and type	Location of seven (7) pump stations in central London including: Eastway Tunnel Pump House, Blackfriars Underpass, Glencoe Street Pump House, Bow Road Pump House, Old Fort Road Pump House, Redpath Pump House, York Road/Trinity Road Pump Station. Layout of nine (9) pump stations in south London, including: New Malden, Purley Cross, Crittalls Corner, South Lane, Bushey Road, Cambridge Ave, Keswick Ave, Warren Drive, Deer Park. Layout of nineteen (19) pump stations in north London	zip - .zip	Strategic Data Providers\TFL\Drainage and Management	It is assumed that TFL have send the most up to date and accurate data that is currently available.	N/A	1	O	Pump station location maps in pdf format		
Transport for London	TFL Gullies Pan London with Northings and Eastings.xls	Drainage assets - Location and type	Spreadsheet with the location, asset type, assed id, borough name, x and y of gulleys	excel/csv - .xls/.csv	Strategic Data Providers\TFL\Drainage and Management	It is assumed that TFL have send the most up to date and accurate data that is currently available.	N/A	1	GN	Locations of gullies. Have created a tab file from excel data and removed poitns outside the group 7,8,1 boundary		TFL Gullies Pan London with Northings and Eastings.TAB
Transport for London	TLRN.zip	Critical assets susceptible to surface water flood risk (pumping stations; London Underground)	Transport for London Road Network provided	zip - .zip	Strategic Data Providers\TFL\Drainage and Management	It is assumed that TFL have send the most up to date and accurate data that is currently available.	N/A	1	O	Roads managed by Network Rail in London - maps in pdf format		

Appendix A - Data Review
Data Supplied by Thames Water Services Ltd

Organisation	Source	Identification		Distribution Information	Source	Quality & Validity	Identification	Quality & Validity	Data Review Information			
				File Type					Saved Location on server	Limitations, uncertainty or perceived weakness	Notes	Score
Thames Water	Pipes_33_LA.zip	Foul and surface water sewer network	GIS layer provided on CD. Contains details of the sewer network, both foul and surface water for all 33 London boroughs (location and pipe heights).	tab - .tab	Strategic Data Providers\Thames Water\GIS sewer network model	Unsure how the network is updated/maintained but this is the best information currently available.	N/A	1	GN	cropped data		
Thames Water	Pumping_Station_1_33_LA.zip	Pumping station locations	GIS layer provided on CD. Contains details of the pumping station name, location, area, owner etc	tab - .tab	Strategic Data Providers\Thames Water\GIS sewer network model	Unsure how the network is updated/maintained but this is the best information currently available.	N/A	1	GN	cropped data		
Thames Water	Pumping_Station_2_33_LA.zip	Pumping station locations	GIS layer provided on CD. Contains details of the pumping station name, location, area, owner etc	tab - .tab	Strategic Data Providers\Thames Water\GIS sewer network model	Unsure how the network is updated/maintained but this is the best information currently available.	N/A	1	GN	cropped data		
Thames Water	Manhole_33_LA.zip	Manhole locations	GIS layer of manhole locations (xref) purpose, some cover and invert levels where available	tab - .tab	Strategic Data Providers\Thames Water\GIS sewer network model	Unsure how the network is updated/maintained but this is the best information currently available.	N/A	1	GN	cropped data		
Thames Water	CSO_locations_33_LA.zip	CSOs / Overflows (location and supporting information)	GIS layer of CSOs, location, receiving watercourse name, discharge type etc	tab - .tab	Strategic Data Providers\Thames Water\GIS sewer network model	Unsure how the network is updated/maintained but this is the best	N/A	1	GN	cropped data		
Thames Water	STW_locations_33_LA.zip	Sewerage storage facilities (location and capacity)	GIS layer of Sewage Treatment Work locations.	zip - .zip	Strategic Data Providers\Thames Water\GIS sewer network model	Best information available.	N/A	1	GN	cropped data		
Thames Water	hogsmill IUD.zip	Integrated Urban Drainage studies	IUD for Brent and Hogsmill have been downloaded from the internet	zip - .zip	Strategic Data Providers\Thames Water\IUD Reports	These reports were written in 2008.	N/A	2	O			