

Anejo nº1

DATOS DE PARTIDA

DISEÑO HIDRÁULICO, ESTRUCTURAL Y CONSTRUCTIVO DEL COLECTOR DE CARDENAL BENLLOCH-EDUARDO BOSCA (VALENCIA)

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1. OBJETO

El objetivo de este anejo es recoger y sintetizar toda la información necesaria para poder llevar a cabo el anejo nº3 *Diagnóstico de la situación actual*. Para ello se dispone de diversas fuentes de información que se exponen en los apartados 2 y 3.

Por otra parte, será necesaria la información de usos del suelo de todo el ámbito de estudio, que se utilizará en el modelo de producción de escorrentía que se propone en el anejo nº2 *Bases de Cálculo*.

2. S.I.R.A.

2.1. RESUMEN

La gran cantidad de información presente en el Sistema de Drenaje Urbano de cualquier ciudad en la actualidad, hace imposible su gestión mediante procedimientos tradicionales. Para ello, se consideró necesaria la implantación de un Sistema Avanzado de Gestión para la ciudad de Valencia que pudiera recoger y manejar la información existente, y a su vez ayudara en la priorización de las inversiones futuras en la red. El objetivo de este punto es presentar SIRA, una aplicación de un Sistema de Información Geográfica (SIG) en la Gestión Avanzada de un Sistema de Drenaje Urbano, y que se encuentra en este momento totalmente operativo en la ciudad de Valencia. Esta aplicación se desarrolló por iniciativa del Ayuntamiento de Valencia y se ha empleado en el presente estudio para obtener los datos necesarios sobre las características de la red contemplada.

2.2. EL SISTEMA DE INFORMACIÓN SIRA

La gestión de la información referente a un sistema de Drenaje Urbano necesita la utilización de una base de datos que permita almacenar, actualizar y explotar toda la información gráfica, alfanumérica y relacional asociada a la red. En la actualidad existe un software que cumple las condiciones expuestas: los Sistemas de información Geográfica.

Los SIG son bases de datos que permiten analizar, manipular, almacenar y editar grandes cantidades de datos, manteniendo la información referenciada espacialmente en todo momento, lo que los convierte en herramientas potentes para realizar un análisis espacial, como es este caso.

El SIRA o Sistema de Información de la Red de Alcantarillado es una herramienta imprescindible en la labor de gestión diaria del Sistema de Drenaje Urbano de la ciudad de Valencia. Por medio de este software se realiza una gestión globalizada de la red de alcantarillado, uniendo y combinando en todo momento la información cartográfica con los atributos alfanuméricos recogidos en la base de datos. De

esta forma se dispone de un sistema que logra la organización e integración tanto horizontal (mapa continuo) como vertical (superposición de capas) de la información. Los componentes de SIRA son los siguientes:

- **Datos**

Existe una única Base de Datos que contiene información gráfica, tabular y relacional. Los datos son compartidos por todos los usuarios del sistema.

- **Administrador del Sistema**

El sistema SIRA está implantado sobre un SIG denominando *ArcInfo*. Para su utilización se requiere un equipo informático de gran potencia y sistema operativo Unix. Como administrador del sistema se puede realizar cualquier tipo de modificación de la Base de Datos, por lo que únicamente es accesible para el personal especializado que se encarga del mantenimiento y actualización de la información.

- **Usuarios**

Son aquellos que realizan la explotación de las funcionalidades de SIRA propiamente dichas. Existen varios niveles de acceso a la información, siempre con ordenadores de características adecuadas. El SIG que utilizan los usuarios para acceder a la Base de Datos es *AutoCadMap*. Sólo pueden modificarse determinadas tablas de atributos, mientras que las modificaciones de la información gráfica deberán realizarse directamente desde *ArcInfo*. El Departamento de Ingeniería Hidráulica y Medio Ambiente de la Universidad Politécnica de Valencia dispone de dos puestos de trabajo donde el SIRA está implementado.

2.3. LA BASE DE DATOS DE SIRA

El componente fundamental de SIRA es la base de datos, en la cual reside toda la información del Sistema de Drenaje Urbano de la ciudad de Valencia de una forma estructurada y coherente. De esta forma, se puede realizar cualquier consulta de manera sencilla y rápida. Dicha información está estructurada en tablas y se relaciona de manera eficiente, bien con la información gráfica referenciada geográficamente, o bien con otras tablas que a su vez están relacionadas con los elementos gráficos.

Dentro de la base de datos existe una cobertura o capa que recoge cada uno de los elementos que componen la red de drenaje. Estas coberturas recogen tanto la información gráfica como la información alfanumérica asociada contenida en las tablas de atributos correspondientes.

La estructura relacional que proporcionan los SIG permite la interconexión entre todas las tablas, quedando las coberturas íntimamente unidas entre sí. Esta estructura permite trabajar conjuntamente



con elementos de la red de tipología distinta (por ejemplo, al seleccionar un colector se seleccionan automáticamente sus pozos de registro) gracias a una codificación única de cada colector que se repite en todos los demás elementos de la red que se relacionan con el mismo (pozos, compuertas, imbornales, etc.).

SIRA clasifica todos los posibles elementos de la red de alcantarillado en tres categorías: lineales, puntuales y espaciales.

2.3.1. Elementos lineales

SIRA considera como elementos lineales aquellos que pueden ser representados de forma abstracta por una línea dentro de la cartografía digitalizada:

El principal elemento lineal es, lógicamente, el colector. En realidad se diferencia entre tramo de colector y colector propiamente dicho. Se considera como tramo de colector el limitado por dos pozos de registro, mientras que un colector queda definido por la unión de tramos consecutivos con un mismo código de colector. Los colectores han sido definidos previamente por el Ayuntamiento.

La información que se recoge en la base de datos para cada tramo de colector es la siguiente:

- Código de colector
- Tipo de tramo (uniforme o transición)
- Longitud
- Cotas de inicio y final del tramo
- Pendiente
- Tipo de conducción (de aguas negras, de pluviales o unitaria)
- Sección (circular, rectangular o irregular). Para secciones irregulares se acompaña en algunos casos su descripción
- Altura y anchura máximas de la sección
- Material y número de Manning asociado a dicho material
- Caudal en régimen uniforme y a sección llena
- Acequias

Otros elementos lineales que igualmente se incluyen en el *SIRA* son los sifones y emisarios submarinos.

2.3.2. Elementos puntuales

Se entiende por elemento puntual aquel que puede ser representado gráficamente en los planos por un punto.

Los elementos puntuales más importantes son los imbornales y los pozos de registro.

En los casos en que no se dispone de la información necesaria, como sucede con las cotas de terreno en la trapa de algunos pozos, ésta se interpola con la ayuda de la información de los pozos más cercanos.

Los pozos de registro son elementos que se colocan en los cambios de dirección, pendiente o sección de los conductos, facilitando el acceso a las tuberías para su limpieza, inspección o mantenimiento. La información existente en la tabla de atributos asociada es la siguiente:

- Código de colector
- Localización
- Tipo de pozo
- Diámetro de la trapa y dimensiones interiores
- Cota de la trapa y profundidad del pozo
- Altura de sedimentos
- Material
- Número de acometidas que recibe
- Imagen asociada para cada tipo de pozo

Los imbornales y sumideros son los elementos de recogida de las aguas pluviales. Se sitúan en aquellos puntos de la calzada o vial que permitan interceptar de forma más rápida y eficiente las aguas pluviales de escorrentía. Determinan el caudal de lluvia que puede entrar en la red y además son el elemento de definición de la cuenca de drenaje a cada tramo de colector en ciudades esencialmente llanas como Valencia. En cuanto a imbornales, se recoge la siguiente información:

- Código de colector
- Localización (nombre de la calle)
- Número del tramo o del pozo al que se vierte
- Tipo de imbornal

Otros elementos puntuales que se recogen en la base de datos del *SIRA* son las compuertas, estaciones de bombeo, aliviaderos, etc. Además, con representación mediante un polígono dado su tamaño tenemos los depósitos, estructuras de regulación y las depuradoras.



2.3.3. Características espaciales

Son aquellas propiedades del territorio que tienen una distribución en el espacio. Estas propiedades varían de forma discontinua y se representan en *SIRA* mediante polígonos.

2.3.4. Otras capas de información

A las coberturas propias de la red de drenaje, hay que añadir otras que contienen la cartografía de la ciudad a diferentes escalas y que quedan como fondo de referencia al visualizar y obtener planos de la red. Para la visualización general se utiliza un esquema de la ciudad a escala 1:10.000, mientras que para visualizaciones de mayor detalle se activan las coberturas de manzanas.

Además, se dispone de otras capas de información que pueden ser activadas, como son la de curvas de nivel, usos del suelo, riesgos de inundación, infraestructuras lineales, etc.

2.4. RECOPIACIÓN DE LA INFORMACIÓN

Tanto la información gráfica referenciada espacialmente como los datos asociados a dichos elementos gráficos en forma de atributos se comprobaron, analizaron, trataron y finalmente se incorporaron correctamente al *SIRA* de forma que se pudieran utilizar por el usuario.

Pendientes

Dada la importancia de la pendiente de los colectores en una ciudad llana como Valencia, el error que se admitía en la obtención de las cotas de las trapas de los pozos de registro era de 1 cm cada 100 m, de tal forma que se garantizaba la precisión de la diezmilésima en la determinación posterior de la pendiente superficial.

En cuanto a las profundidades el error máximo que se admitía era de 5 cm, lógicamente mayor puesto que se obtenía mediante la introducción de una mira dentro del pozo.

Disposición en planta

En cuanto a la planta, el error admitido es mayor (10 cm), ya que es suficiente con obtener un buen encaje de la red entre las manzanas de la ciudad, que sirven de base de referencia y que fueron suministradas por el Servicio de Urbanismo del Ayuntamiento.

Conectividad

No pueden existir elementos sueltos (imbornales, pozos, tramos de colector, etc.) ni bucles en la red salvo justificación.

2.5. LA INTERFAZ DE USUARIO

La interfaz de *SIRA* se desarrolla en *AutocadMap*. Dada que la función fundamental de *SIRA* es gestionar la información, su interfaz requiere un aspecto cuidado y comprensible permitiendo la simplificación y automatización de las tareas habituales. Estas tareas pueden agruparse en los siguientes apartados:

- Búsquedas e impresión de datos para informes, estadísticas o para alimentar modelos de simulación.
- Generación de mapas automáticos, generales de la ciudad o de una parte de ella.
- Control y depuración de errores en la base de datos, como puede ser la comprobación completa de la base de datos, la conectividad de la red, o la existencia de datos poco razonables. Normalmente estas tareas de control son propias del administrador del sistema y no del usuario (acceso limitado).

3. OTRAS FUENTES DE INFORMACIÓN

3.1. CICLO INTEGRAL DEL AGUA

El Ciclo Integral del Agua del Ayuntamiento de Valencia ha facilitado el acceso a una serie de datos, provenientes de diferentes proyectos de la zona, necesarios para la redacción del presente Trabajo de Fin de Grado.

En particular se ha comprobado la información contenida en el informe parcial “*Estudio de los colectores de las avenidas de Suecia, Cardenal Benlloch. y Manuel Candela y sus cuencas vertientes*”.

3.2. DIRECCIÓN GENERAL DE TRANSPORTES

La Consellería de Obras Públicas, Urbanismo y Transportes de la Generalitat Valenciana ha proporcionado los planos elaborados por la empresa consultora *Iberinsa* para el “*Proyecto de construcción de la infraestructura, arquitectura y equipamiento de estaciones de la Línea 5 (Puerto – Aeropuerto) del metro de Valencia. Tramo: Alameda – Parque de Ayora*”. En estos planos se pueden observar las secciones longitudinal y transversal del túnel de línea de metro que se debe sobrepasar en este estudio.



4. P.G.O.U DE VALENCIA

Con objeto de caracterizar desde el punto de vista hidrológico cada cuenca, se recurre al Plan General de Ordenación Urbana de Valencia (PGOU), en el que constan los usos actuales y futuros del suelo. Se ha realizado una conversión de los usos de la planificación a tipos de suelo según su capacidad de infiltración, que ha sido facilitada por el Ciclo Integral del Agua. Las categorías a las que quedan reducidas el plan general, con sus correspondientes coeficientes de escorrentía, son las cuatro que se indican en la siguiente tabla:

Tipo de superficie	C
Viales y grandes áreas pavimentadas	0.95
Edificación	0.80
Áreas mixtas	0.50
Áreas verdes	0.20

Tabla 1. Valores del coeficiente de escorrentía en función del tipo de suelo

Algunos ejemplos de estos tipos de superficie son:

- Se entiende como viales y grandes áreas pavimentadas las zonas de aparcamiento de gran extensión y grandes plazas sin jardines, además de las superficies constituidas por calles y pequeñas plazas.
- Por edificación se entiende la edificación en altura.
- Las áreas mixtas incluyen la edificación unifamiliar con jardines.
- En áreas verdes se incluirán los parques y jardines.



ANEXOS



ANEXO Nº1:
LISTADO DE CARACTERÍSTICAS DE LOS
POZOS EN LA SITUACIÓN ACTUAL



Anejo nº1 Datos de partida

ID Nodo	Tipo de Nodo	Coordenada X (m)	Coordenada Y (m)	Nivel del Terreno (m AD)	Cota Solera de Cámara (m AD)
600078	Manhole	727036.9	4372184.2	11.24	8.61
600079	Manhole	727012.9	4372220.8	10.61	8.43
600080	Manhole	726986.9	4372262	10.5	8.65
600081	Manhole	726967.7	4372292.4	10.48	8.61
600082	Manhole	726948.3	4372322.4	10.44	8.69
600093	Manhole	727119.2	4372224.7	11.5	10.06
600094	Manhole	727099.7	4372204.4	11.43	9.96
600095	Manhole	727045.2	4372171.3	11.39	8.81
600096	Manhole	727090.5	4372136.6	11.32	9.72
600097	Manhole	727074.4	4372150.1	11.25	9.78
600098	Manhole	727042	4372137.9	11.4	10.02
600099	Manhole	727005.7	4372139.3	11.9	10.15
600100	Manhole	727007	4372116.8	11.74	9.65
600101	Manhole	727008.7	4372110.7	11.45	7.35
600102	Manhole	727011.8	4372083.7	11.09	6.99
600103	Manhole	727035.1	4372075.8	10.96	6.87
600112	Manhole	727108.6	4372064.1	10.86	8.51
600113	Manhole	727064.3	4372064.2	11.05	6.95
600114	Manhole	727060.7	4372066.7	11.05	6.61
600115	Manhole	727074.1	4372082	11.11	7.27
600117	Manhole	727087.9	4372096.3	11.09	7.49
600118	Manhole	727061	4372163.4	11.33	9.81
600119	Manhole	727050.8	4372158.9	11.22	8.62
600120	Manhole	727123.6	4372173.5	11.93	10.23
600121	Manhole	727121.2	4372169.9	11.86	10.51
600122	Manhole	727099.3	4372146	11.64	10.09
600123	Manhole	727222.1	4372229.5	11.78	7.7
600124	Manhole	727213.1	4372216	11.63	7.69
600125	Manhole	727199.7	4372202.3	11.67	7.77
600126	Manhole	727186	4372191.1	11.64	7.79
600127	Manhole	727130.4	4372139.4	11.73	7.78
600128	Manhole	727116.3	4372125.2	11.58	7.68
600130	Manhole	727183.5	4372307.4	11.83	10.48
600131	Manhole	727145.9	4372266.8	11.73	10.24
600132	Manhole	727132.3	4372245.7	11.69	10.14
600133	Manhole	727100.2	4372175.5	11.75	10.35
600134	Manhole	727070.1	4372139.1	11.26	8.66
600144	Manhole	727247.3	4372288.1	11.88	7.84
600145	Manhole	727239.4	4372265.4	11.89	7.72

600146	Manhole	727260	4372324.4	11.79	8.06
600147	Manhole	727215.3	4372346.5	11.8	10.59
600148	Manhole	727232	4372369.5	11.79	10.64
600149	Manhole	727243	4372385.1	11.8	10.67
600154	Manhole	727105.9	4371950.7	11.19	9.11
600155	Manhole	727088.6	4371990.4	11.09	8.84
600156	Manhole	727067.3	4372038.9	10.84	7.29
600158	Manhole	727096	4371997	10.91	7.56
600159	Manhole	727108.8	4371979.8	11.16	10.66
600160	Manhole	727106.7	4371978.1	10.93	10.08
600161	Manhole	727105.2	4371975.6	10.98	7.56
600162	Manhole	727112.3	4371962.6	11	10.15
600163	Outfall	727414.4	4371929.4	10.44	7.58
600164	Manhole	727374.7	4371971.7	10.52	8.42
600165	Manhole	727370.8	4371964.8	10.44	8.47
600166	Manhole	727372.9	4371972.1	10.5	8.8
600167	Manhole	727370.5	4371972.6	10.47	8.51
600168	Manhole	727345.8	4371981.4	10.49	7.76
600169	Manhole	727321.2	4371990	10.53	7.84
600170	Manhole	727274.8	4372006.2	10.53	8.16
600173	Manhole	727251.3	4372014.5	10.6	8.23
600174	Manhole	727223	4372024.2	10.62	8.29
600175	Manhole	727198.7	4372033.1	10.65	8.33
600176	Manhole	727173.8	4372041.9	10.63	8.33
600177	Manhole	727140	4372053.5	10.86	8.46
600178	Manhole	727124.4	4372058.9	10.86	8.31
600179	Manhole	727109	4372049.9	11.11	6.78
600180	Manhole	727133.6	4372041.3	11.08	6.85
600181	Manhole	727160.6	4372031.9	11.01	6.94
600182	Manhole	727184.7	4372023.4	10.97	6.93
600183	Manhole	727209.3	4372014.8	10.95	6.8
600184	Manhole	727233.6	4372006.3	10.94	6.74
600185	Manhole	727257.9	4371997.7	10.9	6.69
600186	Manhole	727282.4	4371989.2	10.89	6.64
600187	Manhole	727306.9	4371980.6	10.83	6.93
600188	Manhole	727331.3	4371972.1	10.77	6.86
600189	Manhole	727355.5	4371963.7	10.71	6.81
600190	Manhole	727368.7	4371959.1	10.67	8.52
600191	Manhole	727379	4371955.6	10.55	6.7
600192	Manhole	727285.9	4371975.3	10.52	8.47
600193	Manhole	727309.5	4371967	10.5	8.15



Anejo nº1 Datos de partida

ID Nodo	Tipo de Nodo	Coordenada X (m)	Coordenada Y (m)	Nivel del Terreno (m AD)	Cota Solera de Cámara (m AD)
600194	Manhole	727336.9	4371957.3	10.46	7.76
600195	Manhole	727363.2	4371948.2	10.45	7.85
600196	Manhole	727364.8	4371947.6	10.45	8.63
600197	Manhole	727366.1	4371947	10.45	7.75
600198	Manhole	727366.6	4371944.8	10.49	8.59
600199	Manhole	727387.2	4371939.9	10.39	7.91
600200	Manhole	727262	4371983.4	10.55	8
600201	Manhole	727223.3	4371997.5	10.6	9.03
600202	Manhole	727198.9	4372005.5	10.64	8.48
600203	Manhole	727174.9	4372014	10.69	8.69
600204	Manhole	727154.1	4372021.2	10.69	8.54
600205	Manhole	727127.2	4372030.5	10.71	8.66
600206	Manhole	727108.6	4372037	10.75	8.54
600207	Manhole	727387	4372166.2	10.89	9.94
600208	Manhole	727408.2	4372163	10.78	9.77
600209	Manhole	727418.8	4372161.5	10.77	9.28
600210	Manhole	727433.3	4372159.1	10.67	9.2
600211	Manhole	727444.5	4372157.6	10.62	9.14
600212	Manhole	727463.5	4372153.7	10.52	9.04
600213	Manhole	727349.3	4372174.3	11.07	9.86
600215	Manhole	727328.4	4372181.4	11.16	9.7
600216	Manhole	727303	4372190.4	11.26	9.51
600217	Manhole	727286.6	4372195.5	11.31	9.4
600218	Manhole	727270.3	4372201.2	11.32	9.3
600219	Manhole	727252.5	4372207.4	11.43	9.16
600220	Manhole	727234.9	4372214	11.49	8.96
600225	Manhole	727398.3	4372298.3	10.76	9.46
600226	Manhole	727393.5	4372285	10.79	9.39
600227	Manhole	727388.7	4372271.1	10.87	9.37
600228	Manhole	727382.9	4372254.4	10.9	9.3
600229	Manhole	727377.3	4372238.2	10.99	9.23
600230	Manhole	727373.1	4372226	10.9	9.44
600231	Manhole	727369	4372214.1	10.88	9.58
600232	Manhole	727365.1	4372202.3	10.89	9.71
600233	Manhole	727362.3	4372193.8	10.98	9.81
600236	Manhole	727389.4	4372233.9	10.91	9.31
600237	Manhole	727358.1	4372244.7	10.94	9.46
600239	Manhole	727403.1	4372229.3	10.85	9.32
600240	Manhole	727418	4372224.2	10.79	9.07

600241	Manhole	727436.7	4372217.6	10.73	8.95
600242	Manhole	727455.6	4372211.2	10.67	8.82
600243	Manhole	727475.3	4372204.3	10.61	8.66
600244	Manhole	727339.1	4372250.8	11	9.65
600248	Manhole	727334.2	4372255.2	10.98	9.92
600249	Manhole	727334	4372252.9	11.02	9.72
600256	Manhole	727457.3	4372364.5	10.46	9.36
600257	Manhole	727459.2	4372371	10.28	7.83
600258	Manhole	727465	4372373.9	10.26	7.89
600259	Manhole	727484.6	4372383	10.25	7.74
600260	Manhole	727507.1	4372393.9	10.22	7.57
600261	Manhole	727522.7	4372401.2	10.21	7.56
600262	Manhole	727536.9	4372408.2	10.19	7.34
600263	Manhole	727545.8	4372435.6	10.45	7.621
600265	Manhole	727505.3	4372415.6	10.24	7.91
600266	Manhole	727485.4	4372406	10.26	8.06
600267	Manhole	727464.9	4372396.4	10.32	8.16
600276	Manhole	727319.3	4372416.5	11.52	9.78
600277	Manhole	727318.7	4372409.7	11.49	9.35
600278	Manhole	727312.1	4372410.3	11.54	9.35
600279	Manhole	727299.9	4372416	11.62	9.36
600280	Manhole	727302.7	4372422.4	11.68	9.71
600289	Manhole	727456.3	4372465.7	10.55	9
600295	Manhole	727495.2	4372323.6	10.44	9.65
600296	Manhole	727492.2	4372312.2	10.66	9.98
600298	Manhole	727476.5	4372329.9	10.59	9.76
600299	Manhole	727470.4	4372506.6	10.43	8.58
600300	Manhole	727484.6	4372524.8	10.4	9.85
600301	Manhole	727477.3	4372527.1	10.35	8.42
600302	Manhole	727484.7	4372548	10.29	8.35
600306	Manhole	727492.1	4372569.3	10.24	8.27
600307	Manhole	727497.3	4372583.7	10.25	8.27
600308	Manhole	727503.7	4372602.6	10.28	8.26
600309	Manhole	727510.4	4372620.1	10.24	8.24
600318	Manhole	727474.5	4372540	10.4	9.4
600322	Manhole	727465.8	4372514.5	10.44	9.74
600324	Manhole	727459.5	4372492.7	10.39	9.49
600325	Manhole	727448.9	4372496.3	10.62	9.69
600326	Manhole	727438.2	4372500.1	10.77	9.5
600327	Manhole	727424.3	4372505.2	10.75	9.24
600328	Manhole	727412.8	4372507.8	10.95	9.34



Anejo nº1 Datos de partida

ID Nodo	Tipo de Nodo	Coordenada X (m)	Coordenada Y (m)	Nivel del Terreno (m AD)	Cota Solera de Cámara (m AD)
600329	Manhole	727402.8	4372512.3	11.08	9.42
600330	Manhole	727394	4372515.2	11.71	9.93
600331	Manhole	727376.5	4372521.3	11.16	9.46
600332	Manhole	727360.8	4372526.2	11.4	9.52
600333	Manhole	727349.2	4372509.8	11.52	9.17
600334	Manhole	727369	4372503	11.17	9.17
600335	Manhole	727380.9	4372499.1	11.1	9.09
600336	Manhole	727387.4	4372496.8	11.19	9.17
600337	Manhole	727403.7	4372491.1	11.07	9.25
600338	Manhole	727418	4372486	11	9.32
600339	Manhole	727429.6	4372482	10.84	9.04
600340	Manhole	727453.5	4372473.6	10.51	8.92
600341	Manhole	727465.4	4372467.3	10.42	9.3
600342	Manhole	727485.8	4372460.4	10.35	9.35
600343	Manhole	727501	4372455.4	10.26	9.26
600344	Manhole	727526.3	4372446.8	10.28	9.2
600345	Manhole	727542.4	4372455.2	10.25	8.33
600346	Manhole	727548.7	4372464	10.21	9.61
600349	Manhole	727536.8	4372470.3	10.27	9.23
600350	Manhole	727521.5	4372462.2	10.47	8.39
600352	Manhole	727526.2	4372474	10.34	9.44
600353	Manhole	727522.2	4372475	10.36	9.56
600355	Manhole	727496.6	4372470.7	10.52	8.39
600356	Manhole	727483.2	4372475.4	10.52	8.43
600357	Manhole	727469.5	4372480.2	10.48	8.48
600358	Manhole	727428.6	4372519.6	11.03	9.54
600359	Manhole	727433.5	4372534	10.96	9.6
600360	Manhole	727438.4	4372548.3	10.9	9.66
600361	Manhole	727443.5	4372562.7	10.83	9.7
600362	Manhole	727448.4	4372577	10.74	9.71
600363	Manhole	727453.4	4372591.2	10.71	9.77
600364	Manhole	727458.2	4372605.4	10.63	9.82
600365	Manhole	727462.1	4372616.5	10.59	9.84
600366	Manhole	727467.9	4372634.1	10.44	8.99
600367	Manhole	727472.4	4372645.4	10.43	9.29
600368	Manhole	727477.5	4372659.7	10.59	9.31
600369	Manhole	727482.6	4372675.1	10.62	9.35
600370	Manhole	727487.5	4372688.8	10.61	9.36
600371	Manhole	727492	4372702	10.65	9.4

600372	Manhole	727497.3	4372717.1	10.63	9.88
600373	Manhole	727502.2	4372731.4	10.71	9.9
600374	Manhole	727507.3	4372746.2	10.71	9.84
600375	Manhole	727514.5	4372767.8	10.74	9.74
600376	Manhole	727519.9	4372783.1	10.66	9.72
600377	Manhole	727525.1	4372797.4	10.76	9.68
600378	Manhole	727529.8	4372811.8	10.69	9.65
600380	Manhole	727534.8	4372826	10.64	9.6
600382	Manhole	727539.8	4372840.2	10.63	9.55
600383	Manhole	727544.9	4372854.4	10.63	9.48
600385	Manhole	727549.5	4372868.8	10.6	9.4
600387	Manhole	727427.3	4372475.7	10.87	9.77
600388	Manhole	727421.6	4372457.9	10.97	9.82
600389	Manhole	727415.6	4372440.8	10.79	9.87
600390	Manhole	727409.5	4372423.6	10.73	9.92
600391	Manhole	727404.2	4372407.4	10.68	9.98
600392	Manhole	727379.2	4372485.4	11.4	9.7
600394	Manhole	727409	4372529.7	11.13	9.63
600396	Manhole	727414.7	4372546.1	11.07	9.63
600397	Manhole	727420.3	4372562.6	11.02	9.71
600398	Manhole	727425.3	4372576.9	10.97	9.72
600399	Manhole	727430.3	4372591.6	10.93	9.73
600400	Manhole	727436.1	4372608.2	10.88	9.73
600401	Manhole	727441.8	4372624.5	10.84	9.62
600402	Manhole	727452.2	4372654.5	10.79	9.51
600403	Manhole	727458.3	4372672.1	10.82	9.53
600404	Manhole	727464.4	4372689.5	10.85	9.52
600405	Manhole	727470.5	4372707.1	10.85	9.51
600406	Manhole	727476.4	4372724.6	10.87	9.5
600407	Manhole	727482.7	4372741.9	10.87	9.57
600409	Manhole	727488	4372758.2	10.88	9.91
600410	Manhole	727493.3	4372773.6	10.94	9.87
600411	Manhole	727498.8	4372789.8	10.87	9.77
600412	Manhole	727503.6	4372803	10.88	9.72
600415	Manhole	727509.5	4372820.4	10.78	9.65
600416	Manhole	727515.6	4372838	10.73	9.59
600418	Manhole	727521.6	4372855.4	10.66	9.52
600420	Manhole	727527.6	4372872.9	10.62	9.48
600422	Manhole	727533.1	4372888.3	10.59	8.86
600423	Manhole	727517.3	4372877.4	10.61	9.41
600424	Manhole	727511	4372858.9	10.68	9.44



Anejo nº1 Datos de partida

ID Nodo	Tipo de Nodo	Coordenada X (m)	Coordenada Y (m)	Nivel del Terreno (m AD)	Cota Solera de Cámara (m AD)
600425	Manhole	727504.9	4372841.5	10.71	9.47
600426	Manhole	727499.5	4372825.1	10.79	9.55
600427	Manhole	727493	4372808.1	10.88	9.63
600428	Manhole	727487.2	4372790.8	10.95	9.7
600429	Manhole	727482.8	4372777.7	10.89	9.75
600430	Manhole	727478.9	4372761.4	10.87	9.62
600431	Manhole	727473.1	4372744.9	10.81	9.52
600432	Manhole	727468.4	4372730.4	10.85	9.65
600433	Manhole	727462.8	4372716.1	10.65	9.62
600434	Manhole	727457.5	4372698.5	10.81	9.61
600435	Manhole	727450.4	4372679.2	10.77	9.56
600436	Manhole	727444.7	4372661.7	10.64	9.5
600437	Manhole	727438.8	4372644.1	10.64	9.16
600438	Manhole	727432.9	4372628	10.84	9.7
600439	Manhole	727430.3	4372624.3	10.88	9.13
600440	Manhole	727427.9	4372612.8	10.87	9.75
600441	Manhole	727423.4	4372603.6	10.91	9.16
600442	Manhole	727423.2	4372599.6	10.73	9.77
600443	Manhole	727417.9	4372584.7	10.94	9.71
600444	Manhole	727411.7	4372567.3	10.97	9.57
600445	Manhole	727405.9	4372549.8	11.07	9.49
600446	Manhole	727399.7	4372532.5	11.13	9.38
600447	Manhole	727163	4372286.4	11.83	10.36
600448	Manhole	727372.9	4372467.2	11.34	9.69
600449	Manhole	727366.8	4372449.5	11.28	9.68
600450	Manhole	727361.1	4372432.5	11.22	9.77
600451	Manhole	727355.2	4372415.4	11.16	9.86
600453	Manhole	727497.4	4372631.2	10.2	8.35
600454	Manhole	727480.3	4372629.8	10.21	8.94
600455	Manhole	727516.2	4372622	10.1	8.15
600456	Manhole	727517.2	4372624.2	10.1	8.33
600457	Manhole	727519.8	4372614.2	10.09	8.67
600458	Manhole	727528.8	4372617.5	9.98	8.07
600459	Manhole	727542.9	4372612.8	9.96	8
600460	Manhole	727557.8	4372610.4	9.95	7.95
600461	Manhole	727558.3	4372600.9	10.05	8.65
600462	Manhole	727572.7	4372605.3	9.92	7.75
600463	Manhole	727585.8	4372600.7	9.93	7.57
600464	Manhole	727601.8	4372595.3	9.92	7.37

600465	Manhole	727617	4372590.1	9.94	7.37
600466	Manhole	727620.5	4372588.8	9.96	7.41
600469	Manhole	727531.4	4372678.3	10.32	9.38
600470	Manhole	727539.6	4372693.9	10.21	9.11
600471	Manhole	727547.8	4372716.7	10.11	8.76
600472	Manhole	727550.5	4372723.6	10.11	8.73
600475	Manhole	727556	4372739.4	10.12	8.69
600476	Manhole	727561	4372752.2	10.09	8.64
600477	Manhole	727539.3	4372719.3	10.17	9.09
600479	Manhole	727537.7	4372776.4	10.32	8.69
600480	Manhole	727563.6	4372764.1	10.23	8.61
600481	Manhole	727565.5	4372761.9	10.13	8.48
600482	Manhole	727578.3	4372757.4	10.07	8.41
600483	Manhole	727592.3	4372752.7	10.08	8.32
600484	Manhole	727606.3	4372747.9	10.07	8.23
600485	Manhole	727619.4	4372743.5	10.07	8.16
600486	Manhole	727632.8	4372738.9	10.06	8.08
600487	Manhole	727646.9	4372734	10.06	7.95
600488	Manhole	727660.6	4372730	10.02	7.77
600489	Manhole	727566.1	4372779.2	10.29	8.66
600490	Manhole	727574.3	4372803.1	10.34	8.74
600491	Manhole	727581	4372822.8	10.29	8.83
600492	Manhole	727587.5	4372841.4	10.27	8.84
600493	Manhole	727595.2	4372863.6	10.3	8.95
600495	Manhole	727501.4	4372716.4	10.57	9.62
600496	Manhole	727250.4	4371635.8	10.86	6.51
600497	Manhole	727246.2	4371622.8	11.02	6.32
600498	Manhole	727235	4371672.8	10.95	6.73
600499	Manhole	727219.5	4371709.5	11	7.18
600500	Manhole	727210.3	4371707.9	11.25	8
600501	Manhole	727207.2	4371737	11.09	7.39
600502	Manhole	727196.1	4371763.6	11.14	7.34
600503	Manhole	727195.1	4371742.8	11.29	8.14
600504	Manhole	727198.2	4371764.4	11.1	10.26
600505	Manhole	727186.5	4371786.3	11.2	7.48
600506	Manhole	727176.8	4371808.7	11.2	7.6
600507	Manhole	727179.3	4371779.9	11.39	8.39
600508	Manhole	727167	4371831.7	11.28	7.65
600509	Manhole	727163.9	4371816.1	11.46	8.59
600510	Manhole	727156.9	4371854.4	11.3	7.7
600511	Manhole	727144.6	4371883.7	11.3	7.93



Anejo nº1 Datos de partida

ID Nodo	Tipo de Nodo	Coordenada X (m)	Coordenada Y (m)	Nivel del Terreno (m AD)	Cota Solera de Cámara (m AD)
600512	Manhole	727133.8	4371907.9	11.19	8.09
600513	Manhole	727121	4371913.5	11.28	9.28
600514	Manhole	727125.8	4371927.6	11.12	7.89
600515	Manhole	727115.4	4371951.9	11.07	7.87
600518	Manhole	727125.4	4371799.9	11.59	7.69
600519	Manhole	727140.6	4371763.4	11.46	7.4
600520	Manhole	727129.8	4371801.2	11.18	9.06
600521	Manhole	727160.9	4371729	11.02	8.85
600522	Manhole	727156	4371726.7	11.35	7.1
600523	Manhole	727171.9	4371691.2	11.27	6.9
600524	Manhole	727190.8	4371658.8	11.15	8.87
600525	Manhole	727209.3	4371605.6	11.14	5.94
600528	Manhole	727231.7	4371744.9	11.1	7.75
600529	Manhole	727239.9	4371773.5	11	7.8
600530	Manhole	727248.4	4371800	11	7.85
600531	Manhole	727253.7	4371818.6	10.91	8.01
600532	Manhole	727264.7	4371735.2	10.85	8.85
600533	Manhole	727296.2	4371753.4	11.05	10.03
600534	Manhole	727291.2	4371733.5	10.92	9.22
600535	Manhole	727286.6	4371727.7	10.72	8.74
600536	Manhole	727300.8	4371722.6	10.68	8.66
600537	Manhole	727267.8	4371826.6	11.05	8.65
600538	Manhole	727295.4	4371817.5	10.67	8.82
600539	Manhole	727301.1	4371837.1	11.12	9.07
600540	Manhole	727289.3	4371841.3	11.13	9
600541	Manhole	727242	4371846.1	10.91	8.16
600542	Manhole	727251.3	4371872.9	10.81	8.35
600543	Manhole	727259.4	4371897.8	10.69	8.6
600544	Manhole	727227.4	4371828.4	10.94	9.63
600545	Manhole	727225.1	4371817.6	11.09	9.95
600546	Manhole	727221.5	4371810.6	11.18	10.18
600547	Manhole	727211.5	4371789.7	11.2	10.6
600548	Manhole	727205.1	4371771.6	11.24	10.58
600549	Manhole	727203	4371765.3	11.27	10.63
600550	Manhole	727267	4371920.4	10.57	8.6
600551	Manhole	727286.5	4371913.5	10.56	8.93
600552	Manhole	727305.5	4371906.9	10.64	9.24
600553	Manhole	727336.4	4371894.1	10.63	9.05
600554	Manhole	727345.7	4371899.8	10.47	8.62

600555	Manhole	727238.2	4371929.9	10.68	8.75
600556	Manhole	727214.2	4371938.6	10.74	8.89
600557	Manhole	727188.3	4371947.8	10.87	9.14
600558	Manhole	727158	4371962.7	11.1	10.68
600559	Manhole	727140.8	4371968.7	11.14	10.68
600560	Manhole	727123.9	4371974.5	11.16	10.69
600561	Manhole	727131	4371957	11.27	10.72
600562	Manhole	727117.9	4371964.5	11.25	10.75
600563	Manhole	727278	4371845.4	11.19	8.87
600564	Manhole	727199.3	4371979.2	10.72	9.42
600566	Manhole	727123.2	4372109.1	11.23	9.94
600567	Manhole	727140.4	4372092.4	10.97	9.62
600568	Manhole	727152.5	4372139.3	11.75	7.81
600569	Manhole	727177.2	4372130.1	11.4	7.95
600570	Manhole	727199.6	4372122.1	11.27	8.37
600571	Manhole	727221.5	4372115.1	11.3	8.73
600575	Manhole	727169.5	4372106.5	11.26	9.44
600576	Manhole	727162.5	4372087.8	11.05	9.9
600577	Manhole	727158	4372075.6	10.99	9.29
600578	Manhole	727149.4	4372050.2	10.71	8.31
600579	Manhole	727193.9	4372106.4	11.3	9.14
600580	Manhole	727187	4372087.3	11.19	9.48
600581	Manhole	727180.7	4372070.1	11.12	9.77
600582	Manhole	727203.5	4372057.1	10.99	9.99
600583	Manhole	727211.1	4372079.3	11.16	10.27
600584	Manhole	727217.5	4372096.7	11.35	10.48
600601	Manhole	727327.7	4372516.7	11.7	8.85
600602	Manhole	727322.3	4372502.7	11.74	8.75
600603	Manhole	727316.8	4372486.4	11.74	8.64
600604	Manhole	727309	4372464.9	11.74	8.53
600605	Manhole	727303.8	4372450.1	11.76	8.48
600606	Manhole	727297.5	4372429.5	11.79	8.39
600611	Manhole	727271.9	4372357.9	11.7	8.14
600612	Manhole	727277.8	4372376	11.81	8.19
600613	Manhole	727283.5	4372392.3	11.7	8.22
600614	Manhole	727285.7	4372398.3	11.71	8.23
600618	Manhole	727315.7	4372663.9	11.51	9.73
600619	Manhole	727317.8	4372670.2	11.48	9.74
600620	Manhole	727319.8	4372676.1	11.47	9.76
600621	Manhole	727326.1	4372695.1	11.38	9.76
600622	Manhole	727338.8	4372733	11.26	9.84



Anejo nº1 Datos de partida

ID Nodo	Tipo de Nodo	Coordenada X (m)	Coordenada Y (m)	Nivel del Terreno (m AD)	Cota Solera de Cámara (m AD)
600623	Manhole	727345	4372752	11.17	9.85
600624	Manhole	727351.5	4372770.9	11.12	9.88
600625	Manhole	727357.7	4372789.8	11.06	9.95
600626	Manhole	727364	4372808.9	11.02	10.06
600627	Manhole	727374.7	4372840.9	11.01	9.76
600628	Manhole	727378	4372850.6	11.08	9.75
600629	Manhole	727383.4	4372867.4	11.08	9.74
600632	Manhole	727390.9	4372889.4	11.15	9.74
600633	Manhole	727400.8	4372918.7	11.22	9.38
600634	Manhole	727396.3	4372877	11.3	9.35
600637	Manhole	727363.7	4372632.5	11.55	10.13
600638	Manhole	727357.1	4372613.8	11.6	10.18
600639	Manhole	727350.6	4372594.9	11.65	10.18
600640	Manhole	727344.1	4372576.4	11.7	10.19
600641	Manhole	727337.3	4372557.1	11.69	10.19
600642	Manhole	727370.8	4372607.6	11.65	9.31
600644	Manhole	727396.1	4372684.2	11.4	9.83
600646	Manhole	727375.6	4372670.5	11.42	9.69
600647	Manhole	727382.3	4372689.8	11.36	9.66
600648	Manhole	727388.4	4372708.8	11.27	9.71
600649	Manhole	727394.9	4372727.4	11.18	9.76
600650	Manhole	727401.9	4372746.4	11.14	9.44
600651	Manhole	727408.3	4372765.2	11.07	9.88
600652	Manhole	727414.9	4372783.9	10.99	9.93
600653	Manhole	727419.7	4372746.2	11.22	9.9
600655	Manhole	727421.4	4372802.3	10.98	9.8
600656	Manhole	727426.3	4372817	10.93	9.7
600657	Manhole	727427.9	4372821.8	10.93	9.98
600658	Manhole	727434.6	4372840.6	10.9	9.89
600659	Manhole	727440.9	4372859.8	10.87	9.83
600660	Manhole	727447.2	4372878.5	10.8	9.74
600661	Manhole	727453.8	4372897.3	10.74	9.69
600662	Manhole	727381.5	4372596.1	11.43	9.28
600663	Manhole	727401.9	4372599.1	11.24	9.23
600664	Manhole	727406.1	4372600	10.98	9.31
600665	Manhole	727401.7	4372587.4	11.02	9.88
600666	Manhole	727396.6	4372572.7	11.14	9.9
600667	Manhole	727393	4372662.5	12.46	10.16
600668	Manhole	727389.9	4372669.1	12.19	10.19

600669	Manhole	727421.8	4372668.7	11.77	10
600670	Manhole	727420.2	4372659.2	12.49	10.07
600671	Manhole	727416.4	4372648.6	12.51	10.06
600672	Manhole	727411.9	4372641.1	11.76	10.01
600673	Manhole	727417.2	4372734.3	12.34	9.96
600674	Manhole	727437.6	4372713.6	11.59	9.99
600675	Manhole	727444.3	4372732.2	11.6	10
600677	Manhole	727459.4	4372913.1	10.75	9.62
600678	Manhole	727418.9	4372927	11.16	9.43
600679	Manhole	727439.3	4372937.2	11.06	9.24
600680	Manhole	727406.4	4372935.5	11.07	9.21
600681	Manhole	727393.4	4372953.2	11.05	9.24
600682	Manhole	727407.6	4372948.1	11.06	9.36
600683	Manhole	727408.6	4372961.4	11	9.67
600684	Manhole	727422	4372943.2	11.07	9.26
600685	Manhole	727415.2	4372981.2	10.98	10.04
600686	Manhole	727422.6	4373001.7	11.03	10.4
600687	Manhole	727430	4373013	11.1	9.6
600688	Manhole	727415.5	4373018.1	11.11	9.71
600691	Manhole	727401.9	4373022.9	11.18	9.88
600702	Manhole	727411.6	4373006.6	11.15	10.21
600848	Manhole	727378.7	4372954.1	10.99	9.28
600849	Manhole	727356.4	4372965.9	11.26	9.44
600850	Manhole	727342.2	4372970.9	11.3	9.46
600851	Manhole	727328.1	4372975.7	11.37	9.49
600852	Manhole	727314.1	4372980.4	11.39	9.52
601432	Manhole	727273.8	4372861.7	11.26	9.59
601433	Manhole	727288.6	4372856.7	11.2	9.53
601435	Manhole	727303.3	4372851.7	11.12	9.72
601436	Manhole	727318.4	4372846.5	11.04	9.49
601437	Manhole	727336.6	4372840.3	10.98	9.5
601438	Manhole	727353.3	4372834.7	10.91	9.38
601439	Manhole	727328.4	4372853.3	11.17	10.37
601440	Manhole	727339.9	4372891.9	11.23	10.69
601441	Manhole	727343.7	4372899.7	11.25	10.73
601442	Manhole	727352.2	4372923.3	11.28	10.56
601446	Manhole	727237.1	4372666.5	11.86	10.39
601568	Manhole	727282.2	4372665	11.8	9.87
601569	Manhole	727290.6	4372663.6	11.77	9.86
601576	Manhole	727238.7	4372109.5	11.33	9.08
601577	Manhole	727186.7	4371657.4	11.19	6.69



Anejo nº1 Datos de partida

ID Nodo	Tipo de Nodo	Coordenada X (m)	Coordenada Y (m)	Nivel del Terreno (m AD)	Cota Solera de Cámara (m AD)
601592	Manhole	727447.5	4372641.1	10.77	9.15
601593	Manhole	727535.3	4372706.1	10.21	9.21
601602	Manhole	727337.5	4372410.1	11.38	9.9
601606	Manhole	727130.6	4372013.8	10.86	8.99
601607	Manhole	727131.3	4372001.4	10.95	9.15
601608	Manhole	727145	4371998.1	10.75	9.3
601609	Manhole	727157.8	4371994.5	10.69	9.42
601610	Manhole	727172.1	4371989.6	10.69	9.57
602014	Manhole	727412.7	4372735.6	11.88	10.03
606012	Manhole	727438.7	4373021.1	11.76	10.68
608009	Manhole	727246.8	4372286.8	12.09	7.83
608015	Manhole	727245.3	4371622.4	11.02	6.31
608016	Manhole	727111.5	4371961.1	11.05	7.75
608017	Manhole	727319	4371723.7	10.67	8.441
608045	Manhole	727433.5	4373011.3	11.272	9.881
608055	Manhole	727584.3	4372455.7	10.415	7.544
608056	Manhole	727629.5	4372586.1	10.345	7.529
608057	Manhole	727480.5	4372536.3	10.324	8.39
608059	Manhole	727424.8	4372942.2	11.07	9.26
608060	Manhole	727533.1	4372883.1	10.57	9.1
608061	Manhole	727536.8	4372889.9	10.53	8.86
608062	Manhole	727548.7	4372895.3	10.47	8.86
608067	Manhole	727469	4372633.8	10.42	8.99
608069	Manhole	727325.2	4372844.2	11.02	9.5
608071	Manhole	727404.7	4372949.1	11.05	9.33
608072	Manhole	727381.5	4372957.3	11.12	9.3
608081	Manhole	727111.5	4372120.2	11.04	7.65
608082	Manhole	727089.9	4372137.1	11.16	9.73
608083	Manhole	727085	4372188.8	11.38	9.91
608084	Manhole	727136.2	4372144.8	11.98	7.78
608085	Manhole	727064.4	4372065.4	11.04	6.63
608088	Manhole	727101.9	4372110.5	10.9	7.58
608090	Manhole	727296	4372425.4	11.72	8.37
608096	Manhole	727677.7	4372724.9	10.34	7.865
608097	Manhole	727561	4372460.6	10.38	8.93
608152	Manhole	727182.5	4371925	11.38	10.88
608153	Manhole	727187.9	4371941.7	11.03	10.51
608154	Manhole	727454.6	4372348.1	10.61	9.56
608155	Manhole	727456.2	4372359.8	10.57	9.37

608156	Manhole	727487.9	4372326.1	10.43	9.73
608157	Manhole	727512.9	4372317.6	10.46	9.36
608158	Manhole	727516.1	4372287.4	10.44	8.85
608159	Manhole	727478.4	4372272.1	10.69	10.09
608160	Manhole	727483	4372285.6	10.61	10.03
608161	Manhole	727488.6	4372300.8	10.67	9.99
608162	Manhole	727354.4	4372167	11.06	10.16
608163	Manhole	727349.9	4372154.4	11.17	9.97
608164	Manhole	727343.5	4372136.2	11.25	9.94
608165	Manhole	727338.8	4372122.8	11.32	9.83
608166	Manhole	727324.2	4372123.5	11.31	9.75
608167	Manhole	727304.1	4372125.2	11.2	9.62
608168	Manhole	727288.9	4372111.1	11.08	9.55
608169	Manhole	727284	4372097.1	11.08	9.44
608170	Manhole	727283.9	4372082.3	11.01	9.41
608171	Manhole	727297.4	4372067.4	10.92	9.31
608172	Manhole	727314.4	4372058.3	10.7	9.1
608173	Manhole	727308.2	4372037.7	10.51	8.95
608174	Manhole	727301.8	4372016.9	10.44	8.9
608175	Manhole	727296.8	4372003.9	10.44	8.81
608176	Manhole	727294.7	4371999.2	10.45	7.99
608177	Manhole	727247.7	4372111.5	11.37	10.38
608178	Manhole	727260.2	4372107.9	11.25	10.1
608179	Manhole	727268.1	4372104	11.12	9.56
608180	Manhole	727338.1	4372114.2	11.25	10.07
608181	Manhole	727345.6	4372105.1	10.76	8.99
608182	Manhole	727342.1	4372086.7	10.98	9.32
608183	Manhole	727334.4	4372068.8	10.86	9.28
608184	Manhole	727376.6	4372334.3	11.29	10.28
608185	Manhole	727381	4372324.8	11.07	10.08
608186	Manhole	727391.5	4372321.2	11.01	10
608187	Manhole	727404.1	4372317.1	10.94	9.84
608188	Manhole	727445.1	4372320.5	10.75	10.03
608189	Manhole	727436.1	4372309	10.74	9.93
608190	Manhole	727414.3	4372314.1	10.84	9.97
608191	Manhole	727447.5	4372365.4	10.81	8.54
608192	Manhole	727452.2	4372367.4	10.56	9.46
608193	Manhole	727391.6	4372280.3	10.84	9.41
608227	Manhole	727380.7	4372668.2	11.53	9.03
608228	Manhole	727388	4372689.2	11.45	8.92
608229	Manhole	727394.1	4372706.7	11.4	8.86



Anejo nº1 Datos de partida

ID Nodo	Tipo de Nodo	Coordenada X (m)	Coordenada Y (m)	Nivel del Terreno (m AD)	Cota Solera de Cámara (m AD)
608230	Manhole	727400.8	4372725.9	11.33	8.77
608231	Manhole	727407.4	4372744.4	11.27	8.77
608232	Manhole	727408.5	4372748.9	11.24	8.79
608233	Manhole	727414	4372763.3	11.18	8.68
608234	Manhole	727420.5	4372782.2	11.14	8.63
608235	Manhole	727425.1	4372796.4	11.1	8.52
608236	Manhole	727422.1	4372799.5	10.98	8.55
608237	Manhole	727429.9	4372821.3	10.92	8.47
608238	Manhole	727436.4	4372840.2	10.91	8.45
608239	Manhole	727443	4372859.1	10.87	8.39
608240	Manhole	727447	4372869.4	10.82	8.14
608241	Manhole	727421.7	4372878.2	11.14	8.06
608242	Manhole	727406.6	4372884.1	11.15	8.01
608243	Manhole	727460.3	4372908	10.72	9.25
608244	Manhole	727456.2	4372896.7	10.74	9.21
608245	Manhole	727449.6	4372877.9	10.8	9.13
608246	Manhole	727419.6	4372750.9	11.37	9.88
608247	Manhole	727397.5	4372687.7	11.51	9.85
608248	Manhole	727371.7	4372643	11.61	9.86
608249	Manhole	727367.8	4372631.1	11.67	9.72
608250	Manhole	727361.2	4372612.3	11.69	9.59
608251	Manhole	727341.4	4372555.6	11.81	9.85
608252	Manhole	727348	4372574.2	11.82	9.74
608253	Manhole	727354.7	4372593.4	11.79	9.65
608254	Manhole	727356.3	4372598.6	11.76	9.47
608255	Manhole	727331.2	4372607.7	11.98	9.41
608256	Manhole	727291.3	4372573.2	11.97	9.53
608257	Manhole	727298.9	4372609.5	11.86	9.32
608258	Manhole	727300.2	4372616.8	11.83	9.18
608259	Manhole	727302.8	4372627.3	11.82	9.13
608260	Manhole	727300.7	4372628.9	11.9	9.15
608261	Outfall	727305.3	4372646.4	11.72	9.15
608262	Manhole	727311.9	4372666	11.61	9.25
608263	Manhole	727314.3	4372672.7	11.57	9.2
608264	Manhole	727315.7	4372677	11.54	9.18
608265	Manhole	727320	4372689.7	11.5	9.1
608266	Manhole	727322	4372696.3	11.47	9.11
608267	Manhole	727328.4	4372715.5	11.41	9.08
608268	Manhole	727334.8	4372734.5	11.34	8.98

608269	Manhole	727338.9	4372746.4	11.29	8.93
608270	Manhole	727341.2	4372753.4	11.27	8.91
608271	Manhole	727347.5	4372772.2	11.22	8.86
608272	Manhole	727353.8	4372791.4	11.15	8.8
608273	Manhole	727358.1	4372803.6	11.12	8.74
608274	Manhole	727360.4	4372810.8	11.09	8.25
608275	Manhole	727389.4	4372890.3	11.16	7.8
608276	Manhole	727371.1	4372836.1	11	7.97
608277	Manhole	727376.2	4372851.2	11.08	7.96
608278	Manhole	727382.1	4372868.3	11.09	7.85
608279	Manhole	727397.7	4372915.6	11.21	7.79
608280	Manhole	727399.4	4372920.7	11.24	7.73
608281	Outfall	727402.7	4372934.3	11.14	7.68
608282	Manhole	727371.9	4372798.7	11.23	9.42
608283	Manhole	727355.3	4372740.8	11.42	9.52
608284	Manhole	727334.6	4372684.3	11.64	10.63
608285	Manhole	727303	4372661.9	11.77	9.83
608286	Manhole	727329.1	4372657.7	11.86	9.62
608287	Manhole	727369.4	4372651.7	11.53	9.38
608288	Manhole	727380.1	4372637.5	12.01	9.18
608291	Manhole	727662.2	4372729.6	10	7.46
608292	Manhole	727669.8	4372727.2	10.02	7.36
608303	Manhole	727323.8	4372255.9	11.08	9.79
608304	Manhole	727349.1	4372247.7	10.97	9.57
608305	Manhole	727360.4	4372232.8	10.89	9.85
608306	Manhole	727356.7	4372239.8	10.83	9.69
608307	Manhole	727527.1	4373082.5	10.68	10.02
608308	Manhole	727515.8	4373050.8	10.83	9.86
608309	Manhole	727517.9	4373048.6	10.88	9.3
608310	Manhole	727517.5	4373046.7	10.9	9.17
608311	Manhole	727511.3	4373028.7	10.94	9.06
608312	Manhole	727505.1	4373010.6	10.93	9.07
608313	Manhole	727502.8	4373004.1	10.93	9.21
608328	Manhole	727475.1	4372356.5	10.13	9.029
608439	Manhole	727464.5	4372928.5	10.93	9.04
608469	Manhole	727383.9	4372381.1	11.05	9.83
608470	Manhole	727375.2	4372356.8	11.17	9.72
608471	Manhole	727362.8	4372350.4	11.39	9.44
608472	Manhole	727353.5	4372346.1	11.46	9.41
608473	Manhole	727353.4	4372343.6	11.41	9.38
608474	Manhole	727343.9	4372338.6	11.36	9.35



Anejo nº1 Datos de partida

ID Nodo	Tipo de Nodo	Coordenada X (m)	Coordenada Y (m)	Nivel del Terreno (m AD)	Cota Solera de Cámara (m AD)
608475	Manhole	727334.7	4372334.4	11.39	9.31
608476	Manhole	727322.5	4372329	11.61	9.28
608477	Manhole	727311.4	4372325.5	11.9	9.18
608478	Manhole	727305.1	4372323.5	11.94	9.14
608479	Manhole	727296.6	4372319.2	11.97	9.09
608480	Manhole	727284.5	4372313.9	11.96	9.02
608481	Manhole	727280.1	4372323	12.01	8.99
608482	Manhole	727272.1	4372337.1	11.96	8.89
608483	Manhole	727265.2	4372341.5	11.72	8.09
608484	Manhole	727345.3	4372319.2	11.39	10.27
608485	Manhole	727340.5	4372316.9	11.42	10.03
608486	Manhole	727332.6	4372313.2	11.46	10.02
608487	Manhole	727325.9	4372309.6	11.48	9.92
608488	Manhole	727305.1	4372299.4	11.6	9.77
608489	Manhole	727295.5	4372293.4	11.64	9.67
608490	Manhole	727303.3	4372277.1	11.44	9.51
608491	Manhole	727298.6	4372266.6	11.22	9.49
608492	Manhole	727289.1	4372262.4	11.2	9.35
608493	Manhole	727265	4372252.4	11.53	9.22
608494	Manhole	727244.5	4372244.7	11.63	9.18
608495	Manhole	727231	4372246.7	11.71	8.08
608496	Manhole	727307.2	4372255.2	11.15	10.38
608497	Manhole	727302.9	4372256.7	11.2	9.46
608498	Manhole	727274.7	4372270.9	11.48	10.68
608499	Manhole	727363.5	4372396.2	11.13	9.74
608500	Manhole	727336.4	4372405.6	11.32	9.59
608501	Manhole	727312.4	4372414.2	11.51	9.43
608502	Manhole	727292.7	4372421.1	11.64	8.25
608503	Manhole	727335.9	4372402.5	11.31	10.06
608504	Manhole	727400.8	4372402.2	10.88	10.09
608505	Manhole	727410.9	4372398.7	10.81	10.03
608506	Manhole	727430.3	4372390.3	10.56	9.76
608507	Manhole	727430.8	4372405.2	10.49	9.2
608508	Manhole	727436.9	4372419.4	10.52	9.09
608509	Manhole	727440.1	4372428.7	10.52	8.93
608510	Manhole	727442.7	4372436.6	10.53	8.8
608511	Manhole	727447.6	4372443.4	10.57	8.58
608512	Manhole	727451.6	4372432.2	10.59	8.46
608513	Manhole	727443.8	4372409	10.61	8.39

608514	Manhole	727449.3	4372401.7	10.46	8.3
608515	Manhole	727456.4	4372393.1	10.3	8.28
608516	Manhole	727516.2	4372421.8	10.12	7.9
608517	Manhole	727517.8	4372424.7	10.28	7.86
608518	Manhole	727535.2	4372432.8	10.28	7.8
608519	Manhole	727546.5	4372432.1	10.29	7.74
608520	Manhole	727554.8	4372416.1	10.18	7.29
608522	Manhole	727253.2	4372284.8	12.15	7.86
608523	Manhole	727246.8	4372266	11.95	8.35
608615	Manhole	727535.9	4372346	10.41	9.31
608616	Manhole	727539.9	4372357.1	10.39	9.36
608617	Manhole	727542.6	4372365.7	10.39	9.35
608618	Manhole	727550.2	4372387.3	10.36	9.32
608619	Manhole	727359.3	4371836.2	10.32	7.807
608620	Manhole	727372.8	4371876	10.5	8.87
608621	Manhole	727374.3	4371881.8	10.31	8.82
608622	Manhole	727355.6	4371833.8	10.31	7.723
1200001	Manhole	727396.3	4371933.1	10.37	8.35
1200003	Manhole	727388	4371908.7	10.29	8.45
1200004	Manhole	727374.5	4371883.1	10.3	9
1200007	Manhole	727356.9	4371829.2	10.29	7.62
1200009	Manhole	727361.5	4371809.3	10.58	6.4
1200010	Manhole	727348.2	4371807.7	10.6	8.54
1200011	Manhole	727342.2	4371789.8	10.64	8.46
1200012	Manhole	727347.9	4371770	10.71	6.35
1200013	Manhole	727335.6	4371771	10.66	8.71
1200014	Manhole	727333	4371726.9	10.82	6.23
1200015	Manhole	727325	4371740.9	10.73	8.37
1200017	Manhole	727316.5	4371716.5	10.64	8.47
1200018	Manhole	727309.4	4371694.6	10.82	8.26
1200019	Manhole	727303.4	4371678	10.86	8.48
1200021	Manhole	727405.6	4371960.8	10.36	8.06
1200023	Manhole	727409.4	4371976.6	10.28	8.14
1200024	Manhole	727417.2	4371971.2	10.41	6.51
1200025	Manhole	727429.4	4372006.3	10.53	6.67
1200026	Manhole	727413.6	4371992	10.21	7.96
1200027	Manhole	727419.4	4372007.7	10.25	7.92
1200028	Manhole	727443.1	4372046.2	10.57	6.77
1200029	Manhole	727453.3	4372075.3	10.62	6.72
1200030	Manhole	727424.8	4372022.9	10.25	8.22
1200031	Manhole	727467.4	4372115.8	10.68	6.78



Anejo nº1 Datos de partida

ID Nodo	Tipo de Nodo	Coordenada X (m)	Coordenada Y (m)	Nivel del Terreno (m AD)	Cota Solera de Cámara (m AD)
1200032	Manhole	727429.8	4372038.4	10.27	7.97
1200033	Manhole	727435.3	4372053.9	10.29	8.04
1200034	Manhole	727441	4372069.6	10.32	8.24
1200035	Manhole	727446.3	4372085.7	10.35	8.55
1200037	Manhole	727451.9	4372101.5	10.37	8.54
1200038	Manhole	727457.3	4372117.3	10.39	8.62
1200039	Manhole	727462.7	4372132.9	10.4	8.32
1200040	Manhole	727466.6	4372149.4	10.46	8.93
1200041	Manhole	727468	4372147.9	10.45	8.77
1200042	Manhole	727472.5	4372161	10.48	8.83
1200043	Manhole	727473.7	4372168.9	10.62	8.82
1200044	Manhole	727483.6	4372163.1	10.73	6.74
1200045	Manhole	727475.8	4372175.9	10.58	8.88
1200047	Outfall	727427.8	4371938.4	10.6	6.1
1200076	Manhole	727318.1	4371683.5	10.91	6.18
1200077	Manhole	727297.9	4371661.4	10.87	8.22
1200078	Manhole	727291.6	4371643.9	10.75	8.05
1200079	Manhole	727301.5	4371637.2	11.12	6.14
1200082	Manhole	727275.8	4371625.1	10.72	7.7
1200083	Manhole	727274.8	4371613.5	10.8	7.89
1200084	Manhole	727252.4	4371592.3	10.82	5.77
1200086	Manhole	727220.1	4371524.4	11.3	9.09
1200087	Manhole	727249.4	4371536.5	11.41	8.86
1200088	Manhole	727271.6	4371547.1	11.54	8.74
1200089	Manhole	727281.7	4371565.9	11.39	8.57
1200090	Manhole	727287.6	4371591.2	11.16	8.31
1200091	Manhole	727314.6	4371642.6	10.99	8.08
1200092	Manhole	727324.6	4371672.2	10.71	8.18
1200093	Manhole	727338.6	4371712.9	10.58	8.72
1200094	Manhole	727343.9	4371727.8	10.57	8.57
1200095	Manhole	727348.7	4371742	10.54	8.66
1200096	Manhole	727354.4	4371757.8	10.45	8.65
1200097	Manhole	727359.5	4371772.9	10.41	8.78
1200103	Manhole	727329.8	4371609.9	10.87	8.94
1200602	Manhole	727693.9	4372343.6	9.73	8.65
1200603	Manhole	727678.8	4372348.9	9.74	8.6
1200604	Manhole	727665.1	4372353.6	9.8	8.6
1200605	Manhole	727638.1	4372363.2	9.86	8.58
1200606	Manhole	727624.7	4372367.8	9.93	8.59

1200607	Manhole	727610.9	4372372.5	9.96	8.59
1200608	Manhole	727597.3	4372377.2	10.04	8.58
1200609	Manhole	727583.7	4372381.9	10.07	8.52
1200627	Manhole	727516.6	4372180.7	10.44	7.04
1200629	Manhole	727504.3	4372186.4	10.5	8.13
1200631	Manhole	727518.1	4372231.7	10.48	8.46
1200632	Manhole	727524.2	4372249.4	10.45	8.44
1200633	Manhole	727517.3	4372259.8	10.71	6.96
1200634	Manhole	727530.6	4372267.7	10.42	8.41
1200635	Manhole	727536.7	4372285.3	10.4	8.4
1200636	Manhole	727530.7	4372299.4	10.65	7.07
1200637	Manhole	727543.3	4372304.3	10.35	8.75
1200640	Manhole	727543.8	4372336.9	10.5	7
1200641	Manhole	727563.4	4372352.7	10.49	9.09
1200642	Manhole	727568.6	4372367.8	10.43	9.13
1200643	Manhole	727562.5	4372390.6	10.54	7.19
1200644	Manhole	727566.6	4372403	10.51	7.25
1200646	Manhole	727532.2	4372334.6	10.42	9.47
1200648	Manhole	727520.9	4372300.6	10.38	8.93
1200649	Manhole	727515.3	4372284.4	10.41	8.91
1200650	Manhole	727509.6	4372268.6	10.46	8.9
1200651	Manhole	727503.7	4372255.8	10.53	9.56
1200652	Manhole	727503.9	4372252.1	10.44	8.81
1200653	Manhole	727498.5	4372236.2	10.48	8.67
1200654	Manhole	727493.6	4372222	10.51	8.7
1200657	Manhole	727484.8	4372201.1	10.62	8.72
1200658	Manhole	727522.2	4372187.5	10.3	8.2
1200660	Manhole	727540.1	4372182	10.16	8.16
1200662	Manhole	727552.6	4372177.6	10.06	8.33
1200664	Manhole	727565.5	4372173.2	9.99	8.49
1200666	Manhole	727580.3	4372167.9	9.88	8.53
1200676	Manhole	727577.3	4372140.2	9.93	8.6
1200677	Manhole	727582.3	4372155.2	9.93	8.63
1200703	Manhole	727639.5	4372321.8	9.78	8.72
1200704	Manhole	727642.7	4372331.5	9.78	8.89
1200705	Manhole	727647.4	4372345.6	9.81	8.66
1200706	Manhole	727656.2	4372370.3	9.83	8.6
1200707	Manhole	727660.6	4372383.1	9.83	8.61
1200708	Manhole	727664.9	4372395.5	9.86	8.64
1200738	Manhole	727571.6	4372328.9	10.18	7.53
1203000	Manhole	727497.4	4372202.7	10.72	6.9



Anejo nº1 Datos de partida

ID Nodo	Tipo de Nodo	Coordenada X (m)	Coordenada Y (m)	Nivel del Terreno (m AD)	Cota Solera de Cámara (m AD)
1203026	Manhole	727408.7	4371971.3	10.33	8.11
1203040	Manhole	727389.9	4371540.6	11.12	9.71
1203111	Manhole	727398	4371913.7	10.23	6.3
1203115	Manhole	727376.3	4371850.8	10.45	6.4
1203118	Manhole	727384.6	4371874.6	10.32	6.35
1203119	Manhole	727291.9	4371618.2	10.97	6.05
1208001	Manhole	727397.2	4371936	10.41	7.79
1208002	Manhole	727271.9	4371610.7	10.8	7.614
1208003	Manhole	727300.2	4371634.7	11.1	6.128
1208005	Manhole	727280.3	4371610.6	10.926	5.968
1208035	Outfall	727422.2	4371954.9	10.31	0
1208036	Manhole	727484.6	4372165.9	10.729	6.751
1208037	Manhole	727574.5	4372385.6	10.63	8.053
1208039	Manhole	727495.3	4372197.4	10.721	6.878
1208042	Manhole	727651.5	4372358.4	9.83	8.59
1208095	Manhole	727290.1	4371617	10.963	6.038
1208877	Manhole	727368	4371507.4	11.23	9.81
1208878	Manhole	727388	4371510.8	11.27	9.77
1208879	Manhole	727390.4	4371513.6	11.29	9.76
1208880	Manhole	727370.4	4371537.2	10.98	9.64
1208881	Manhole	727362.2	4371547.4	10.96	9.589
1208882	Manhole	727350.9	4371561	10.89	9.52
1208883	Manhole	727348.4	4371563.6	10.89	9.27
1208918	Manhole	727570.7	4372415.7	10.524	7.375
1208990	Manhole	727572.3	4372125.4	9.94	8.54
1208991	Manhole	727565.1	4372105.8	9.95	8.459
1208992	Manhole	727571.4	4372122.8	9.94	8.529
1208993	Manhole	727570.2	4372119.6	9.94	8.516
1300671	Manhole	727478.6	4372923.6	10.91	9.1
1300672	Manhole	727492.7	4372918.8	10.87	9.15
1300673	Manhole	727509.9	4372928.7	10.68	9.88
1300674	Manhole	727530.1	4372899.6	10.56	8.78
1300676	Manhole	727600.4	4372889.2	10.19	8.5
1300677	Manhole	727588.3	4372873.9	10.35	9.72
1300678	Manhole	727589.1	4372891.8	10.4	8.6
1300679	Manhole	727568	4372880.9	10.54	9.54
1300680	Manhole	727581	4372876.7	10.42	9.67
1300681	Manhole	727565.6	4372891.3	10.39	8.93
1300682	Manhole	727639.5	4372919.3	9.98	8.74

1300683	Manhole	727650	4372945	10	8.72
1300684	Manhole	727619.1	4372926.4	10.09	8.74
1300685	Manhole	727601.6	4372932.4	10.33	8.89
1300686	Manhole	727584	4372938.6	10.4	8.94
1300687	Manhole	727578.6	4372969.8	10.31	9
1300688	Manhole	727596.4	4372963.6	10.28	8.93
1300689	Manhole	727614	4372957.6	10.14	8.88
1300690	Manhole	727559.5	4372976.5	10.46	8.92
1300691	Manhole	727539.8	4372983.1	10.6	8.85
1300692	Manhole	727520	4372990.2	10.69	9.05
1300693	Manhole	727501.1	4372997.4	10.82	9.31
1300694	Manhole	727556.1	4372884.9	10.68	9.4
1300695	Manhole	727554.4	4372883.7	10.68	9.36
1300696	Manhole	727652.6	4372852.8	10.29	9.04
1300697	Manhole	727668.6	4372847.4	10.27	9.01
1300698	Manhole	727678.3	4372843.4	10.23	8.81
1300699	Manhole	727684.3	4372842.4	10.18	8.81
1300700	Manhole	727691.3	4372839.8	10.2	8.78
1300701	Manhole	727701.3	4372834.4	10.23	8.59
1300703	Manhole	727668.7	4372851.9	10.19	8.97
1300704	Manhole	727656	4372856.5	10.16	9.04
1300705	Manhole	727649.7	4372883.2	10.03	8.71
1300706	Manhole	727662.5	4372877.2	10.01	9.36
1300707	Manhole	727673.8	4372872.8	10.01	9.16
1300708	Manhole	727677.4	4372870.9	9.94	8.94
1300709	Manhole	727692	4372863.4	9.89	9.04
1300710	Manhole	727707.8	4372855.3	9.78	9.11
1300711	Manhole	727719.8	4372915.8	9.52	8.43
1300712	Manhole	727709.3	4372912.4	9.77	8.65
1300713	Manhole	727695.6	4372911.2	9.79	8.64
1300714	Manhole	727682.1	4372911.3	9.88	8.7
1300715	Manhole	727667.6	4372912.8	9.94	8.74
1300716	Manhole	727668.9	4372938.1	10.02	8.6
1300717	Manhole	727701.7	4372932.4	9.97	8.5
1300718	Manhole	727711.6	4372929.5	9.81	8.57
1300719	Manhole	727730.9	4372923.8	9.56	8.41
1300720	Manhole	727748	4372928.2	9.47	7.99
1300721	Manhole	727767.3	4372898	9.36	7.46
1300723	Manhole	727738.6	4372858.3	9.7	8.53
1300726	Manhole	727714.7	4372831.3	10.3	7.9
1300727	Manhole	727713.7	4372828.9	10.32	7.87



Anejo nº1 Datos de partida

ID Nodo	Tipo de Nodo	Coordenada X (m)	Coordenada Y (m)	Nivel del Terreno (m AD)	Cota Solera de Cámara (m AD)
1300729	Manhole	727724	4372859.2	9.98	9.38
1300730	Manhole	727728.6	4372871.7	9.94	7.65
1300731	Manhole	727718.2	4372805.2	10.2	8.62
1300732	Manhole	727711.3	4372785.2	10.18	8.71
1300733	Manhole	727705	4372765.4	10.19	8.83
1300734	Manhole	727697.7	4372745.2	10.17	8.91
1300736	Outfall	727689.1	4372726.2	10.16	8.91
1300737	Manhole	727682.3	4372737.9	10.34	7.9
1300738	Manhole	727695.3	4372775.8	10.33	7.99
1300739	Manhole	727666.5	4372733.8	10.16	8.86
1300740	Manhole	727670.7	4372745.4	10.22	8.97
1300741	Manhole	727674.2	4372755.7	10.24	8.96
1300742	Manhole	727677.5	4372765.3	10.22	8.81
1300743	Manhole	727681.2	4372775.4	10.24	8.81
1300744	Manhole	727687.4	4372794.3	10.21	8.64
1300745	Manhole	727694.3	4372813.2	10.23	8.68
1300748	Manhole	727742.9	4372989.8	9.33	8.21
1300749	Manhole	727752.5	4372994.4	9.22	6.51
1300750	Manhole	727758.1	4373008.9	9.06	6.56
1300751	Manhole	727759.9	4373008.1	9.07	8.45
1300752	Manhole	727762.4	4373017.6	9.08	8.44
1300754	Manhole	727766.6	4373032.5	9.12	8.45
1300755	Manhole	727765.6	4373035.7	9.1	6.67
1300756	Manhole	727771.8	4373051.5	9.16	8.45
1300757	Manhole	727770.3	4373052.3	9.15	6.76
1300758	Manhole	727776.2	4373066.3	9.16	8.42
1300760	Manhole	727776.4	4373074.7	9.16	6.83
1300761	Manhole	727777.7	4373073.5	9.15	8.41
1300762	Manhole	727780.1	4373080.7	9.18	8.43
1300763	Manhole	727779	4373083.6	9.18	6.86
1300764	Manhole	727769.7	4373088.5	10.42	9.29
1300765	Manhole	727783.2	4373092.1	9.23	8.47
1300766	Manhole	727785.1	4373108.1	9.24	6.91
1300767	Manhole	727787.3	4373106.4	9.28	8.58
1300769	Manhole	727778.9	4373132.2	9.45	8.39
1300770	Manhole	727790.7	4373125.8	9.3	6.97
1300771	Manhole	727792.5	4373125.3	9.32	8.51
1300772	Manhole	727807.8	4373134.5	9.45	8.49
1300773	Manhole	727802.6	4373115.4	9.39	8.58

1300774	Manhole	727799.3	4373103.5	9.36	8.63
1300775	Manhole	727792.6	4373079.2	9.28	8.5
1300776	Manhole	727786.1	4373055.6	9.21	8.38
1300777	Manhole	727779.5	4373031.3	9.18	8.3
1300778	Manhole	727759.3	4372993	9.23	8.39
1300779	Manhole	727758.8	4372983.6	9.31	8.22
1300780	Manhole	727770.9	4372963.5	9.15	8.09
1300782	Manhole	727767.4	4372953.2	9.14	8.07
1300783	Manhole	727758.9	4372929.8	9.36	7.96
1300784	Manhole	727741.8	4372998	9.11	7.27
1300785	Manhole	727735.7	4373000.3	9.18	7.25
1300786	Manhole	727722.4	4373006.8	9.38	8.59
1300787	Manhole	727723.1	4373004.7	9.41	7.27
1300788	Manhole	727711.9	4373010.8	9.52	8.67
1300789	Manhole	727687	4373017.1	9.83	7.33
1300790	Manhole	727680.8	4373029.2	9.87	8.92
1300791	Manhole	727666.5	4373034.7	9.92	9.02
1300792	Manhole	727663	4373025.2	9.89	8.23
1300793	Manhole	727661.4	4373020.6	9.89	8.74
1300794	Manhole	727678.1	4373015.9	9.82	8.64
1300795	Manhole	727693.7	4373009.7	9.76	8.55
1300796	Manhole	727710.3	4373003.1	9.64	8.4
1300797	Manhole	727726.4	4372996.5	9.39	8.17
1300798	Manhole	727779.2	4372985	9.14	6.39
1300800	Manhole	727789.8	4372986.7	9.01	8.1
1300801	Manhole	727801.3	4372982.8	8.88	6.32
1300802	Manhole	727807.8	4372980.2	8.93	7.44
1300803	Manhole	727820.6	4372982.2	8.81	6.27
1300804	Manhole	727822.2	4372979.7	8.87	7.33
1300805	Manhole	727837.1	4372979.1	8.83	7.23
1300806	Manhole	727841.7	4372981.2	8.78	6.18
1300807	Manhole	727851.3	4372978.5	8.8	7.15
1300808	Manhole	727864.9	4372980	8.8	6.14
1300809	Manhole	727864.9	4372978.5	8.81	7.11
1300810	Manhole	727788.7	4372975.6	9.11	8.06
1300811	Manhole	727902.2	4373024.4	8.7	7.34
1300812	Manhole	727887.6	4373018.7	8.71	7.3
1300813	Manhole	727874.9	4373008.9	8.72	7.27
1300814	Manhole	727867.5	4372994.9	8.73	7.37
1300815	Manhole	727864.5	4372959.3	8.74	7.26
1300816	Manhole	727864.1	4372944.8	8.75	7.21



Anejo nº1 Datos de partida

ID Nodo	Tipo de Nodo	Coordenada X (m)	Coordenada Y (m)	Nivel del Terreno (m AD)	Cota Solera de Cámara (m AD)
1300817	Manhole	727867	4372930.6	8.76	7.14
1300818	Manhole	727879.3	4372929.2	8.81	7.12
1300819	Manhole	727892.2	4372929.1	8.78	7.15
1300820	Manhole	727904.2	4372929	8.69	7.11
1300821	Manhole	727917.9	4372928.7	8.7	7.14
1300822	Manhole	727930.8	4372930.4	8.74	7.2
1300823	Manhole	727933.3	4372961.1	8.62	7.27
1300824	Manhole	727934.4	4372972.1	8.71	6.1
1300825	Manhole	727932.9	4372975.7	8.73	7.29
1300826	Manhole	727934.2	4372988.1	8.62	7.27
1300827	Manhole	727931.8	4373000.1	8.61	7.26
1300828	Manhole	727924.2	4373010.9	8.61	7.26
1300829	Manhole	727902.9	4373041.1	8.71	7.36
1300830	Manhole	727903.7	4373057.3	8.72	7.37
1300831	Manhole	727904.3	4373073.6	8.68	7.34
1300832	Manhole	727904.8	4373089.3	8.67	7.34
1300833	Manhole	727905.5	4373105.8	8.63	7.33
1300834	Manhole	727906.3	4373121.9	8.62	7.34
1300835	Manhole	727906.5	4373138.2	8.6	7.35
1300836	Manhole	727907.1	4373154.2	8.64	7.42
1300837	Manhole	727942.2	4372975	8.68	7.36
1300838	Manhole	727952.9	4372975.3	8.62	7.42
1300839	Manhole	727968.1	4372974	8.59	7.43
1300840	Manhole	727982.9	4372973.2	8.57	7.45
1300841	Manhole	727998	4372972.6	8.53	7.45
1300842	Manhole	728013	4372972.1	8.52	7.47
1300843	Manhole	728028	4372971.5	8.53	7.28
1300844	Manhole	728045.9	4372970.8	8.54	7.06
1300845	Manhole	728046.5	4372968.1	8.47	5.92
1300846	Manhole	728029	4372969	8.46	5.93
1300847	Manhole	728009	4372969.9	8.49	5.98
1300848	Manhole	727989.7	4372970.6	8.52	6.02
1300849	Manhole	727968.2	4372971.4	8.54	6.05
1300850	Outfall	727906.3	4372911.7	9.01	7.3
1300851	Manhole	727902.2	4372882	8.87	7.01
1300852	Manhole	727902	4372864.1	9	7.05
1300853	Manhole	727889.9	4372868	8.95	7.01
1300854	Manhole	727890.5	4372882.4	8.88	6.86
1300855	Manhole	727891.3	4372897.3	8.84	6.71

1300856	Manhole	727892.5	4372913.4	8.84	6.54
1300857	Manhole	727891.8	4372912.9	8.84	7.43
1300858	Manhole	728056.3	4372966.4	8.57	5.85
1300859	Manhole	728056.5	4372970.5	8.58	6.95
1300860	Manhole	728056.9	4372985.6	8.51	7.14
1300861	Manhole	728057.4	4373000.6	8.51	7.18
1300862	Manhole	728058.2	4373015.6	8.51	7.22
1300863	Manhole	728058.8	4373030.4	8.53	7.28
1300864	Manhole	728065.3	4373034.4	8.57	7.51
1300865	Manhole	728059.4	4373045.1	8.54	7.29
1300866	Manhole	728060.3	4373059.4	8.54	7.32
1300867	Manhole	728061.1	4373077.9	8.54	7.33
1300868	Manhole	728061.5	4373087.7	8.53	7.34
1300869	Manhole	728062.2	4373100.4	8.56	7.36
1300870	Manhole	728063.1	4373128.4	8.57	7.36
1300871	Manhole	728063.4	4373139.1	8.56	7.35
1300872	Manhole	728064.4	4373159.7	8.66	7.45
1300873	Manhole	728065.2	4373179.2	8.74	7.52
1300874	Manhole	728065.6	4373189.7	8.77	7.55
1300875	Manhole	728058.8	4373184.1	9	7.71
1300876	Manhole	728054.4	4372954.8	8.54	7.02
1300877	Manhole	728049.4	4372940.3	8.57	7.08
1300878	Manhole	728043.8	4372924.7	8.61	7.15
1300879	Manhole	728037	4372907.1	8.65	7.22
1300880	Manhole	728028.6	4372888.2	8.72	7.45
1300881	Manhole	728022.2	4372870.5	8.7	7.24
1300882	Manhole	728015.1	4372848.6	8.67	6.97
1300883	Manhole	728008.6	4372829.9	8.64	6.8
1300886	Manhole	728066.2	4372964.4	8.52	5.8
1300887	Manhole	728088.9	4372957	8.5	5.78
1300888	Manhole	728085.7	4372960.8	8.56	6.84
1300889	Manhole	728071.5	4372965.6	8.54	6.84
1300890	Manhole	728099.8	4372956.1	8.52	6.73
1300891	Manhole	728114	4372950.9	8.55	6.66
1300892	Manhole	728117.5	4372947.4	8.52	5.8
1300893	Manhole	728128	4372945.7	8.55	6.63
1300894	Manhole	728142.1	4372940.6	8.54	6.51
1300895	Manhole	728140	4372939.3	8.5	5.76
1300896	Outfall	728171	4372928.5	8.52	5.75
1300897	Manhole	728163.1	4372933.7	8.53	6.39
1300898	Manhole	728244	4373064.9	7.87	7.08



Anejo nº1 Datos de partida

ID Nodo	Tipo de Nodo	Coordenada X (m)	Coordenada Y (m)	Nivel del Terreno (m AD)	Cota Solera de Cámara (m AD)
1300899	Manhole	728222.6	4373045	8.39	6.93
1300900	Manhole	728214.3	4372997.7	8.38	6.93
1300905	Manhole	728180.6	4372949	8.6	7.4
1300907	Manhole	728184.5	4372961.7	8.42	7.3
1300908	Manhole	728188.3	4372974.6	8.37	7.33
1300910	Manhole	728191.2	4372987	8.34	7.3
1300912	Manhole	728197.8	4373011.7	8.44	7.43
1300913	Manhole	728198.2	4373024.6	8.39	6.94
1300914	Manhole	728200.8	4373024.2	8.27	7.27
1300915	Manhole	728213.5	4373047.4	8.33	5.78
1300916	Manhole	728222.3	4373081.8	8.28	5.88
1300917	Manhole	728230.6	4373111.2	8.31	5.86
1300918	Manhole	728228.4	4373102.2	8.31	5.75
1300935	Manhole	728157.7	4372865.2	8.68	7.65
1300938	Outfall	728162	4372879.5	8.68	6.44
1300940	Manhole	728167.5	4372902.9	8.67	6.3
1300946	Manhole	728183.5	4372926	8.63	5.93
1300954	Manhole	728133.7	4372781.9	8.66	6.29
1300968	Manhole	728047.8	4372881.6	8.88	7.91
1300972	Outfall	728173.5	4372756.6	8.38	6.41
1300981	Outfall	728128.4	4372712.4	8.28	6.11
1300982	Manhole	728143.2	4372710.4	8.37	7.33
1300983	Manhole	728157.2	4372716.7	8.38	7.34
1300984	Manhole	728162.4	4372730.6	8.44	7.34
1300985	Manhole	728079.5	4372672.2	8.35	6.12
1300988	Manhole	728061.2	4372664.3	8.49	6.2
1300989	Manhole	728042.1	4372656.1	8.63	6.28
1300991	Manhole	728023.4	4372648.2	8.72	6.31
1300992	Manhole	728003.9	4372639.4	8.81	6.36
1300994	Manhole	727984.3	4372630.4	8.86	6.36
1300995	Manhole	727997.7	4372618.6	8.81	6.46
1300997	Manhole	728013.6	4372619.9	8.84	6.7
1300998	Manhole	728020.3	4372628.6	8.55	6.32
1300999	Manhole	728040.2	4372637.5	8.35	6.26
1301000	Manhole	728056.7	4372644.9	8.22	6.19
1301001	Manhole	728072.8	4372652.3	8.13	6.15
1301002	Outfall	728094.5	4372661.7	8.11	6.03
1301004	Manhole	728110.1	4372732.2	8.44	7.44
1301005	Manhole	728113	4372745.1	8.47	7.4

1301006	Manhole	728125.3	4372753.3	8.51	7.43
1301007	Manhole	728121	4372775.8	8.74	6.59
1301008	Manhole	728105.9	4372780.8	8.62	6.5
1301022	Manhole	727982.7	4372738.2	8.86	7.39
1301026	Manhole	728049.4	4372800.3	8.71	6.69
1301027	Manhole	728063.4	4372795.3	8.58	6.55
1301028	Manhole	728078	4372790.5	8.68	6.6
1301029	Manhole	728091.8	4372785.8	8.65	6.55
1301030	Manhole	728035.3	4372805.4	8.62	6.64
1301031	Manhole	728020.6	4372810.5	8.62	6.67
1301032	Manhole	728007.1	4372814.9	8.66	6.74
1301039	Manhole	727860.8	4372780.2	9.44	7.98
1301041	Manhole	727877.4	4372775.4	9.17	7.67
1301044	Manhole	727900.5	4372766.4	9.26	7.69
1301046	Manhole	727923.2	4372758.4	9.14	7.73
1301050	Manhole	727946.9	4372750	8.92	7.67
1301053	Manhole	727971	4372741.6	8.91	7.46
1301064	Manhole	727901.3	4372852	8.98	6.93
1301065	Manhole	727914.8	4372846.8	8.84	6.83
1301066	Manhole	727931.2	4372841.2	8.93	6.97
1301067	Manhole	727946.5	4372836	8.76	6.85
1301068	Manhole	727961.4	4372830.7	8.86	6.86
1301069	Manhole	727976.6	4372825.5	8.69	6.8
1301070	Manhole	727991.6	4372820.4	8.66	6.78
1301072	Manhole	727838.4	4372873.2	8.98	6.91
1301073	Manhole	727852.1	4372867.7	9.11	7.03
1301074	Manhole	727865.9	4372864.2	8.91	7.02
1301075	Manhole	727880.3	4372858.9	8.9	7.01
1301076	Manhole	727889.1	4372856.2	9.02	7
1301081	Manhole	727781.5	4372893	9.2	7.27
1301082	Manhole	727795.7	4372888.2	9.22	7.25
1301083	Manhole	727810.8	4372882.6	9.06	7.05
1301084	Manhole	727824.2	4372878.3	9.16	7.11
1301085	Manhole	728007.6	4372852.1	8.86	7.17
1301086	Manhole	727994.9	4372857.8	8.84	7.17
1301087	Manhole	727986.5	4372860.7	8.88	7.22
1301088	Manhole	727993.6	4372882.2	8.9	7.49
1301089	Manhole	727998.6	4372896.9	8.94	7.71
1301090	Manhole	727968.5	4372866.8	8.91	7.49
1301091	Manhole	727952.7	4372872.3	8.95	7.6
1301092	Manhole	727935.9	4372878.1	8.99	7.8



Anejo nº1 Datos de partida

ID Nodo	Tipo de Nodo	Coordenada X (m)	Coordenada Y (m)	Nivel del Terreno (m AD)	Cota Solera de Cámara (m AD)
1301093	Manhole	727928.6	4372880.5	9.02	7.89
1301094	Manhole	727929	4372886.1	9.03	7.95
1301095	Manhole	727930.1	4372908.8	9.03	8.13
1301099	Manhole	728099.6	4373033.4	8.56	7.67
1301100	Manhole	728168.2	4373030.8	8.42	7.66
1301101	Manhole	728185.2	4373027.2	8.3	7.59
1301102	Manhole	728113.2	4373033	8.56	7.74
1301103	Manhole	728092.4	4373040.5	8.66	7.89
1301104	Manhole	728085.6	4373041.2	8.7	7.89
1301105	Manhole	728076.3	4373041.4	8.69	7.88
1301106	Manhole	728140.3	4373060.7	8.47	7.63
1301107	Manhole	728140.7	4373071	8.44	7.49
1301108	Manhole	728141.6	4373090.8	8.41	7.41
1301109	Manhole	728143.6	4373136.9	8.47	7.47
1301110	Manhole	728145.1	4373167.6	8.52	7.54
1301111	Manhole	728146.2	4373178.8	8.62	7.52
1301112	Manhole	728087	4373101.4	8.55	7.36
1301113	Manhole	728110.9	4373102.2	8.47	7.25
1301114	Manhole	728133	4373103.1	8.44	7.2
1301115	Manhole	728142.8	4373103.5	8.41	7.12
1301116	Manhole	728153.7	4373104	8.38	7.05
1301117	Manhole	728167	4373104.4	8.38	7.02
1301118	Manhole	728186.6	4373105.2	8.31	6.89
1301119	Manhole	728206.2	4373105.9	8.28	6.75
1301120	Manhole	728219.8	4373106.3	8.24	6.73
1301122	Manhole	728046.7	4373088.2	8.68	7.79
1301123	Manhole	728027.8	4373089	8.71	7.83
1301124	Manhole	728016.6	4373089.5	8.74	7.86
1301125	Manhole	727995.7	4373090.3	8.75	7.88
1301126	Manhole	727984.8	4373091	8.82	7.95
1301127	Manhole	727979.2	4373091.3	8.84	7.97
1301128	Manhole	727979.2	4373094.9	8.83	7.96
1301129	Manhole	727980.1	4373117.2	8.9	8.02
1301130	Manhole	727980.6	4373128.3	8.97	7.93
1301131	Manhole	727981.3	4373145.4	9.07	7.77
1301132	Manhole	728083.8	4373208.1	8.96	6.91
1301133	Manhole	728104.6	4373208.9	8.91	6.84
1301134	Manhole	728124.4	4373209.8	8.81	6.73
1301135	Manhole	728144.5	4373210.7	8.7	6.61

1301136	Manhole	728164.5	4373214.7	8.62	7.58
1301137	Manhole	728165	4373211.6	8.63	6.52
1301138	Manhole	728195	4373212.9	8.4	6.37
1301139	Manhole	728224.6	4373214.3	8.3	6.34
1301140	Manhole	728241.8	4373215.3	8.29	6.26
1301142	Manhole	728063.9	4373207.2	8.94	6.9
1301143	Manhole	728044.9	4373206.3	8.95	6.94
1301144	Manhole	728024.8	4373205.5	8.95	6.97
1301145	Manhole	728004.8	4373204.7	8.98	7.03
1301146	Manhole	727990.8	4373204.4	9.02	7.1
1301147	Manhole	727978.4	4373203.7	9.07	7.2
1301148	Manhole	727971.1	4373202.9	9.07	7.73
1301149	Manhole	727959.3	4373208.7	9.1	7.31
1301150	Manhole	727959.1	4373205.1	9.06	7.71
1301151	Manhole	727942.6	4373204.1	9.13	7.78
1301152	Manhole	727939.6	4373207.8	9.16	7.39
1301153	Manhole	727926.1	4373201.8	9.19	7.84
1301154	Manhole	727914.4	4373206	9.21	7.47
1301155	Manhole	727910.4	4373200.5	9.26	8.14
1301156	Manhole	727910.9	4373199.3	9.26	7.9
1301157	Manhole	727898.8	4373199.7	9.29	8.19
1301158	Manhole	727882.2	4373199	9.35	8.28
1301159	Manhole	727865.1	4373198.1	9.42	8.39
1301160	Manhole	727848.4	4373197.4	9.49	8.49
1301161	Manhole	727847.8	4373192.3	9.43	8.02
1301162	Manhole	727865.6	4373192.6	9.32	7.92
1301163	Manhole	727880.6	4373192.6	9.29	7.91
1301164	Manhole	727893.8	4373195	9.21	7.84
1301165	Manhole	727995.2	4373198.6	8.97	7.65
1301166	Manhole	728008.3	4373198.7	8.91	7.6
1301167	Manhole	728023.7	4373198.7	8.88	7.52
1301168	Manhole	728040.4	4373199.1	8.88	7.46
1301169	Manhole	728055.7	4373199.3	9.05	7.58
1301170	Manhole	728164.3	4373222.8	8.79	7.47
1301175	Manhole	728230.5	4373130.2	8.3	7.25
1301176	Manhole	728234.9	4373147.2	8.3	6.89
1301177	Manhole	728238.4	4373159.8	8.3	6.82
1301178	Manhole	728241.5	4373176.1	8.28	6.78
1301179	Manhole	728241.6	4373184.3	8.31	6.63
1301199	Manhole	727910.4	4373214.5	9.62	7.89
1301200	Manhole	727910.5	4373222.6	10.16	9.08



Anejo nº1 Datos de partida

ID Nodo	Tipo de Nodo	Coordenada X (m)	Coordenada Y (m)	Nivel del Terreno (m AD)	Cota Solera de Cámara (m AD)
1301201	Manhole	727874.8	4373231.7	10.16	9.18
1301202	Manhole	727863.3	4373223.9	9.65	8.79
1301203	Manhole	727849.1	4373214	9.82	8.28
1301204	Manhole	727850.6	4373266.3	9.75	8.65
1301205	Manhole	727854.3	4373307.2	9.78	8.88
1301206	Manhole	727973.8	4373226.7	9.5	9.01
1301208	Manhole	727891.2	4373243	11.14	9.79
1301209	Manhole	727911.4	4373243.1	11.13	10.34
1301210	Manhole	727900.5	4373265.8	11.62	10.53
1301211	Manhole	727923.8	4373250.1	11.62	10.55
1301212	Manhole	727797	4373187.7	9.59	8.84
1301213	Manhole	727801	4373201.8	9.7	8.64
1301214	Manhole	727809.7	4373188	9.54	8.38
1301215	Manhole	727803.1	4373164.5	9.46	8.32
1301216	Manhole	727802.3	4373161.7	9.44	8.38
1301217	Manhole	727787.1	4373151.7	9.64	7.92
1301218	Manhole	727790.8	4373168.6	9.56	8.73
1301219	Manhole	727798.1	4373145	9.39	8.36
1301220	Manhole	727813.1	4373153.5	9.52	8.42
1301221	Manhole	727818	4373172.6	9.59	8.34
1301222	Manhole	727825.4	4373179.9	9.55	8.48
1301223	Manhole	727827.8	4373204.1	9.73	8.4
1301224	Manhole	727831.7	4373228.5	9.8	8.45
1301225	Manhole	727833.2	4373253.1	9.86	8.5
1301226	Manhole	727831.5	4373277.8	9.86	8.56
1301227	Manhole	727826.8	4373302.6	9.85	8.63
1301228	Manhole	727814.2	4373286.8	9.73	8.64
1301229	Manhole	727818.2	4373237.1	9.66	8.44
1301230	Manhole	727815.4	4373212.6	9.61	8.42
1301231	Manhole	727819.6	4373326.3	9.77	8.63
1301232	Manhole	727817.6	4373262.2	9.7	8.59
1301233	Manhole	727808	4373309.8	9.69	8.66
1301250	Manhole	727810.4	4373347.4	9.9	8.84
1301260	Manhole	727624.7	4373328	10.76	9.92
1301263	Manhole	727641.3	4373322	10.77	9.92
1301264	Manhole	727664	4373313.9	10.77	9.89
1301265	Manhole	727678.1	4373308.7	10.75	9.86
1301267	Manhole	727699.1	4373300.9	10.69	9.77
1301268	Manhole	727708.6	4373295.3	10.79	9.18

1301269	Manhole	727567.4	4373201.9	10.52	8.32
1301270	Manhole	727561.3	4373185.3	10.57	9.63
1301290	Manhole	727550.6	4373177	10.59	9.64
1301291	Manhole	727536.9	4373158.6	10.61	9.65
1301293	Manhole	727528.7	4373142.8	10.73	9.66
1301297	Manhole	727531.7	4373096.7	10.69	10.12
1301301	Manhole	727691.4	4373278.8	10.73	9.75
1301302	Manhole	727691.3	4373264.8	10.72	9.75
1301303	Manhole	727685.1	4373260.2	10.64	9.6
1301305	Manhole	727686.2	4373249.5	10.69	9.59
1301306	Manhole	727677.5	4373238.4	10.61	9.54
1301307	Manhole	727703.7	4373281.4	10.67	9.52
1301309	Manhole	727712.4	4373322.3	10.71	8.21
1301310	Manhole	727695.5	4373325.4	10.77	8.27
1301311	Manhole	727732.2	4373325.7	10.28	8.32
1301312	Outfall	727738.1	4373326.4	9.89	8.34
1301317	Manhole	727737.3	4373308.7	9.95	9.27
1301318	Manhole	727745.8	4373292.4	10.1	9.14
1301319	Manhole	727743.2	4373290.9	10.09	9.29
1301320	Manhole	727765	4373285.6	10.04	8.99
1301321	Manhole	727784.2	4373278.8	9.94	8.8
1301322	Manhole	727737.8	4373275.2	10.14	9.31
1301323	Manhole	727730.8	4373254.4	10.15	9.29
1301324	Manhole	727715.5	4373246.9	10.61	9.86
1301325	Manhole	727722.8	4373267.4	10.53	9.65
1301326	Manhole	727729.9	4373287.8	10.52	9.5
1301327	Manhole	727721.8	4373230.1	10.21	9.3
1301328	Manhole	727724.9	4373228.8	10.24	9.24
1301329	Manhole	727739.1	4373223.5	10.13	9.09
1301330	Manhole	727734.2	4373210.5	10.12	9.12
1301331	Manhole	727714.6	4373215.3	10.25	9.27
1301332	Manhole	727715.5	4373212.6	10.24	9.09
1301333	Manhole	727702.7	4373220.7	10.48	9.45
1301334	Manhole	727695.2	4373220.8	10.51	9.46
1301335	Manhole	727679.1	4373229	10.6	9.31
1301336	Manhole	727674.4	4373229.6	10.55	9.27
1301337	Manhole	727673.7	4373228.3	10.56	9.47
1301338	Manhole	727662.8	4373230.5	10.54	9.17
1301339	Manhole	727658.8	4373230.5	10.53	9.41
1301340	Manhole	727644.5	4373237	10.57	9.05
1301341	Manhole	727644.2	4373235.7	10.58	9.04



Anejo nº1 Datos de partida

ID Nodo	Tipo de Nodo	Coordenada X (m)	Coordenada Y (m)	Nivel del Terreno (m AD)	Cota Solera de Cámara (m AD)
1301342	Manhole	727642.2	4373236.4	10.58	9.44
1301343	Manhole	727729.2	4373196.1	10.12	8.92
1301344	Manhole	727723.6	4373179.3	10.08	8.7
1301345	Manhole	727719.9	4373168.7	10.09	8.6
1301346	Manhole	727702.1	4373168.7	10.04	8.45
1301347	Manhole	727701	4373172.5	10.03	7.99
1301348	Manhole	727701.6	4373175.7	10.02	9.09
1301349	Manhole	727718.3	4373164.6	9.93	7.93
1301350	Manhole	727718.6	4373162.9	9.93	8
1301351	Manhole	727714.8	4373152.6	10.13	8.33
1301352	Manhole	727702.1	4373156.9	10.2	8.54
1301353	Manhole	727705.8	4373127.7	10.06	8.47
1301354	Manhole	727698.2	4373105.3	10.01	8.66
1301355	Manhole	727658.6	4373037.8	9.83	9.08
1301356	Manhole	727663.5	4373054.3	9.82	9.21
1301357	Manhole	727664.7	4373063.3	9.92	8.72
1301358	Manhole	727667.1	4373072.1	9.99	8.8
1301359	Manhole	727670.3	4373073	9.92	9.17
1301360	Manhole	727673.1	4373091.3	10.04	8.86
1301361	Manhole	727675.7	4373090.8	10.02	9.17
1301362	Manhole	727671.5	4373103.4	10.15	8.86
1301363	Manhole	727677.9	4373121.6	10.15	8.77
1301364	Manhole	727684.8	4373141.9	10.14	8.66
1301365	Manhole	727692.4	4373163.9	10.11	8.56
1301366	Manhole	727722.4	4373075.2	9.85	9.18
1301367	Manhole	727715.3	4373077.6	9.94	9.14
1301368	Manhole	727711.2	4373081.1	10	8.72
1301369	Manhole	727703.6	4373081.4	10.02	9.07
1301370	Manhole	727695.4	4373084.2	10.07	9.11
1301371	Manhole	727718.8	4373104	10.04	8.75
1301372	Manhole	727717.8	4373107.4	10.08	8.56
1301373	Manhole	727749.2	4373109.8	9.41	8.58
1301374	Manhole	727755.6	4373128.7	9.4	8.57
1301375	Manhole	727761.5	4373137.1	9.55	8.52
1301377	Manhole	727750.1	4373138.8	9.75	8.32
1301378	Manhole	727731.8	4373147.4	10.05	8.28
1301379	Manhole	727725.7	4373130.2	10.05	8.39
1301380	Manhole	727723.4	4373121.1	10.03	8.42
1301381	Manhole	727734	4373157.7	9.88	7.84

1301382	Manhole	727737.7	4373158.3	10.01	7.98
1301383	Manhole	727757.7	4373217	9.98	8.93
1301384	Manhole	727776.7	4373192.9	9.7	8.79
1301385	Manhole	727772.6	4373178.7	9.71	8.72
1301386	Manhole	727767	4373163.5	9.72	8.64
1301387	Manhole	727755.9	4373149.9	9.51	7.43
1301388	Manhole	727761.4	4373150	9.61	7.96
1301389	Manhole	727741.6	4373058.6	9.32	8.46
1301390	Manhole	727737	4373044.9	9.38	8.43
1301391	Manhole	727735.4	4373044.5	9.44	8.84
1301392	Manhole	727731.3	4373028.4	9.35	8.32
1301393	Manhole	727728	4373023.5	9.39	8.69
1301394	Manhole	727726.5	4373034.3	9.42	8.64
1301395	Manhole	727731.4	4373048.3	9.43	8.68
1301396	Manhole	727659.2	4373013.5	9.87	8.81
1301397	Manhole	727654.5	4372998.3	9.95	9.06
1301398	Manhole	727646.9	4372973.1	9.97	9.32
1301399	Manhole	727612.8	4373037.7	10.19	9.51
1301400	Manhole	727602.4	4373040.7	10.28	9.66
1301401	Manhole	727604.7	4373050.4	10.29	9.73
1301402	Manhole	727617	4373055	10.23	9.58
1301403	Manhole	727634.5	4373050.9	10.09	8.62
1301404	Manhole	727640.8	4373045.4	9.91	8.37
1301405	Manhole	727650.7	4373041.3	9.94	8.72
1301406	Manhole	727619.4	4373065.2	10.33	8.93
1301407	Manhole	727622.6	4373077	10.6	10.01
1301408	Manhole	727592.5	4373089.6	10.42	9.33
1301409	Manhole	727572.2	4373108.3	10.39	9.44
1301410	Manhole	727563.9	4373114	10.38	9.43
1301411	Manhole	727551.1	4373122.4	10.49	9.49
1301414	Manhole	727645.8	4373026.6	10.01	9.01
1301415	Manhole	727651.5	4373035.3	9.94	8.33
1301416	Manhole	727635.5	4373210.5	10.72	8.88
1301417	Manhole	727634.1	4373213.6	10.64	9.54
1301418	Manhole	727638.1	4373225	10.61	9.49
1301419	Manhole	727642.1	4373229.3	10.57	8.95
1301420	Manhole	727627.9	4373196.2	10.78	9.69
1301421	Manhole	727628.6	4373190.7	10.78	8.24
1301422	Manhole	727613.5	4373193.1	10.7	8.32
1301423	Manhole	727581.8	4373212.3	10.75	9.83
1301424	Manhole	727587.5	4373210.4	10.75	9.81



Anejo nº1 Datos de partida

ID Nodo	Tipo de Nodo	Coordenada X (m)	Coordenada Y (m)	Nivel del Terreno (m AD)	Cota Solera de Cámara (m AD)
1301425	Manhole	727601.6	4373205.3	10.74	9.76
1301426	Manhole	727613.9	4373201	10.76	9.73
1301427	Manhole	727726.3	4373162.3	9.89	7.86
1301428	Manhole	727776.8	4373143.2	9.33	7.21
1301429	Manhole	727775.2	4373144.2	9.36	7.69
1301430	Manhole	727571.4	4373176.2	10.49	9.66
1301431	Manhole	727969.1	4372624.4	9	6.46
1301432	Manhole	727946	4372613.2	9.11	6.6
1301433	Manhole	727926.7	4372604.6	9.16	6.86
1301434	Manhole	727910.2	4372597.8	9.19	7.06
1301435	Manhole	727894.3	4372590.9	9.19	7.23
1301436	Manhole	727877.4	4372583.2	9.22	7.48
1301437	Manhole	727860.9	4372575.7	9.26	7.73
1301438	Manhole	727845.8	4372569.2	9.29	7.91
1301439	Outfall	727837.1	4372572.2	9.45	7.6
1301440	Manhole	727825.4	4372560.2	9.32	7.44
1301441	Manhole	727808.5	4372552.9	9.36	7.07
1301442	Manhole	727811.8	4372536.1	9.35	6.44
1301443	Manhole	727830	4372544.4	9.32	7.03
1301444	Manhole	727847.7	4372552.1	9.29	7.36
1301445	Manhole	727866.3	4372560.7	9.26	7.64
1301446	Manhole	727882	4372567.6	9.22	7.62
1301447	Manhole	727898.5	4372575	9.2	7.54
1301448	Manhole	727914.8	4372582.1	9.2	7.26
1301449	Manhole	727931.6	4372589.5	9.2	6.99
1301450	Manhole	727947.6	4372596.6	9.13	6.64
1301451	Manhole	727962	4372602.9	9.11	7.28
1301452	Manhole	727980.4	4372610.9	8.99	6.89
1301453	Manhole	728001.8	4372609.9	9.07	6.57
1301454	Manhole	727938.7	4372577.2	9.2	7.03
1301455	Manhole	727928.2	4372556.3	9.35	7.09
1301456	Manhole	727950	4372629.6	9.1	6.59
1301459	Manhole	727829	4372672.3	9.36	7.24
1301460	Manhole	727810.4	4372678.7	9.39	7.35
1301461	Manhole	727795.3	4372684	9.44	7.46
1301462	Manhole	727775.5	4372690.8	9.51	7.61
1301463	Manhole	727756.9	4372697.3	9.56	7.63
1301465	Manhole	727693.1	4372719.1	9.92	8.12
1301467	Manhole	727875.6	4372650.6	9.22	6.81

1301468	Manhole	727893.8	4372645.4	9.25	6.85
1301469	Manhole	727912.6	4372640.3	9.27	6.87
1301470	Manhole	727931.5	4372635	9.26	6.71
1301471	Manhole	727794.4	4372528.2	9.43	6.94
1301472	Manhole	727776.1	4372520.2	9.48	6.94
1301473	Manhole	727758.6	4372512.5	9.48	7.05
1301474	Manhole	727740.4	4372504.3	9.55	7.23
1301475	Manhole	727721.9	4372496.2	9.6	7.39
1301476	Manhole	727703.8	4372487.5	9.62	7.5
1301477	Manhole	727685.4	4372479.7	9.69	7.66
1301478	Manhole	727667.1	4372471.6	9.8	7.86
1301479	Manhole	727648.9	4372463.5	9.92	7.97
1301480	Manhole	727630.6	4372455.3	10.06	8.1
1301482	Manhole	727619.1	4372472.8	10.18	7.44
1301483	Manhole	727623.7	4372470.4	10.06	8.02
1301484	Manhole	727642	4372478.2	9.92	7.9
1301485	Manhole	727639.5	4372482.8	10.07	8.18
1301486	Manhole	727660.6	4372486.1	9.81	7.81
1301487	Manhole	727678.8	4372494.7	9.69	7.62
1301488	Manhole	727697	4372502.9	9.64	7.5
1301489	Manhole	727715.2	4372511.2	9.58	7.37
1301490	Manhole	727733.5	4372519.3	9.54	7.21
1301491	Manhole	727751.8	4372527.1	9.52	7.12
1301492	Manhole	727769.9	4372535.4	9.45	6.96
1301493	Manhole	727775.7	4372540.9	9.4	8.14
1301494	Manhole	727795.1	4372548.8	9.36	8.06
1301495	Manhole	727750.9	4372542.7	9.53	7.25
1301496	Manhole	727741.5	4372551.3	9.34	8.1
1301497	Manhole	727732.4	4372549	9.38	7.1
1301498	Manhole	727722.1	4372558.1	9.57	8.26
1301499	Manhole	727703	4372564.8	9.66	8.33
1301500	Manhole	727713.5	4372555.5	9.63	7.33
1301501	Manhole	727694.4	4372562.2	9.75	7.42
1301502	Manhole	727684.7	4372573.9	9.89	8.53
1301503	Manhole	727676	4372568.6	9.85	7.5
1301504	Manhole	727670	4372578.4	9.94	8.52
1301505	Manhole	727656.4	4372575.3	9.96	7.51
1301506	Manhole	727645	4372579.2	10.02	7.65
1301507	Manhole	727646	4372586.8	10.15	8.62
1301509	Manhole	727806.7	4372586.9	9.43	7.52
1301510	Manhole	727815.2	4372583.7	9.25	7.35



Anejo nº1 Datos de partida

ID Nodo	Tipo de Nodo	Coordenada X (m)	Coordenada Y (m)	Nivel del Terreno (m AD)	Cota Solera de Cámara (m AD)
1301511	Manhole	727821.9	4372603.1	9.28	7.28
1301512	Manhole	727829	4372623.5	9.25	7.14
1301513	Manhole	727816.3	4372573.3	9.26	7.89
1301514	Manhole	727790.3	4372509.2	9.45	7.42
1301515	Manhole	727783.8	4372490.6	9.51	7.54
1301516	Manhole	727777.1	4372471.3	9.57	7.67
1301517	Manhole	727771	4372453.2	9.62	7.78
1301518	Manhole	727764.6	4372434.5	9.69	8.07
1301519	Manhole	727757.6	4372414.6	9.76	8.38
1301522	Manhole	727885.7	4372510.8	9.39	6.55
1301523	Manhole	727891.8	4372526.3	9.43	7.37
1301524	Manhole	727897.7	4372541.2	9.38	7.74
1301525	Manhole	727900.8	4372551.3	9.37	7.7
1301526	Manhole	727867.2	4372517.2	9.45	6.61
1301527	Manhole	727848.5	4372523.7	9.46	6.62
1301528	Manhole	727829.9	4372529.9	9.52	6.67
1301529	Manhole	727846.1	4372502.4	9.6	8.55
1301530	Manhole	727852.9	4372500.1	9.6	8.54
1301531	Manhole	727856.7	4372498.7	9.6	8.53
1301532	Manhole	727866.1	4372495.6	9.58	8.5
1301533	Manhole	727882.6	4372489.9	9.45	8.22
1301534	Manhole	727895.1	4372485.6	9.5	8.15
1301535	Manhole	727911.2	4372483.1	9.54	7.91
1301536	Manhole	727910.7	4372473.9	9.42	7.99
1301537	Manhole	727927.2	4372471.1	9.34	7.09
1301538	Manhole	727946.3	4372464.2	9.28	6.65
1301539	Manhole	727965	4372457.7	9.25	6.25
1301540	Outfall	727971.2	4372482.6	9.21	6.3
1301541	Manhole	727951.2	4372488.5	9.28	6.33
1301542	Manhole	727931.2	4372494.3	9.29	6.25
1301543	Manhole	727911.9	4372498	9.37	7.89
1301544	Manhole	727903	4372496.5	9.4	6.39
1301545	Manhole	727889.5	4372501	9.44	6.45
1301546	Manhole	727865.8	4372620.2	9.37	8.5
1301547	Manhole	727859.2	4372601.3	9.4	8.21
1301548	Manhole	727852.9	4372582.9	9.45	8.07
1301549	Manhole	727744.5	4372412.2	10	8.22
1301550	Manhole	727736.9	4372414.5	10.06	8.36
1301552	Manhole	727726	4372444.7	10.14	8.75

1301553	Manhole	727729	4372453.3	10.15	8.9
1301556	Manhole	727614.5	4372471.8	10.17	7.94
1301557	Manhole	727628.5	4372438.7	10.15	7.8
1301559	Manhole	727560.1	4372465.3	10.37	9.02
1301560	Manhole	727575.5	4372473.5	10.38	9.03
1301561	Manhole	727578.6	4372481.8	10.35	9.03
1301562	Manhole	727563.7	4372445.6	10.4	8.35
1301563	Manhole	727558.8	4372424.7	10.37	8.32
1301564	Manhole	727565.2	4372433.9	10.28	8.44
1301565	Manhole	727566.5	4372437.5	10.28	8.41
1301566	Manhole	727567.8	4372440.1	10.26	7.76
1301568	Manhole	727575.4	4372430.3	10.54	7.49
1301569	Manhole	727585.4	4372458.8	10.4	7.55
1301570	Manhole	727582.3	4372492.6	10.33	9.05
1301571	Manhole	727590.8	4372516.8	10.3	9.02
1301572	Manhole	727597.7	4372536.2	10.29	8.89
1301573	Manhole	727604	4372554.4	10.25	8.81
1301574	Manhole	727612.6	4372578.4	10.2	8.78
1301575	Manhole	727613.1	4372577.9	10.2	8.15
1301576	Manhole	727624.7	4372572.6	10.35	7.54
1301577	Manhole	727604	4372512.2	10.42	7.4
1301578	Manhole	727609.7	4372492.6	10.29	9.16
1301579	Manhole	727617.3	4372513.3	10.29	9.14
1301580	Manhole	727624.2	4372534.4	10.24	9.06
1301581	Manhole	727631.3	4372555.4	10.2	9
1301582	Manhole	727635.6	4372567.5	10.16	8.94
1301584	Manhole	727635	4372567.8	10.12	8.44
1301585	Manhole	727656.3	4372703.5	10.21	9.33
1301586	Manhole	727649.3	4372683.7	10.19	9.22
1301587	Manhole	727642.9	4372664.9	10.19	9.09
1301588	Manhole	727636.4	4372645.1	10.2	9.05
1301589	Manhole	727629.1	4372625.8	10.21	8.92
1301590	Manhole	727622.4	4372606.1	10.18	8.7
1301591	Manhole	727620.8	4372600.2	10.2	8.48
1301592	Manhole	727617.5	4372593.8	9.99	8.57
1301595	Manhole	727649.4	4372607.7	10.18	9.09
1301596	Manhole	727656.3	4372628.6	10.18	9.06
1301597	Manhole	727664	4372649.5	10.21	9.05
1301598	Manhole	727671	4372670.3	10.19	9
1301599	Manhole	727678.4	4372691.3	10.19	9
1301600	Manhole	727684.8	4372709.3	10.16	8.99



Anejo nº1 Datos de partida

ID Nodo	Tipo de Nodo	Coordenada X (m)	Coordenada Y (m)	Nivel del Terreno (m AD)	Cota Solera de Cámara (m AD)
1301601	Manhole	727683.9	4372709.8	10.12	8.48
1301602	Manhole	727671.8	4372708.1	10.34	7.82
1301603	Manhole	727658.9	4372671	10.34	7.72
1301604	Manhole	727646.1	4372634	10.34	7.62
1301605	Manhole	727633.4	4372597.1	10.34	7.52
1301606	Manhole	727835.5	4372642.2	9.23	6.96
1301607	Manhole	727849.2	4372658.1	9.36	6.91
1301608	Manhole	727846.8	4372669.8	9.21	7.01
1301609	Manhole	727852.2	4372690.6	9.17	7.07
1301610	Manhole	727860.8	4372695.8	9.17	7.2
1301611	Manhole	727863.2	4372706.9	9.18	7.25
1301612	Manhole	727867.1	4372717.9	9.21	7.33
1301613	Manhole	727872	4372730.7	9.22	7.38
1301614	Manhole	727875.8	4372741	9.24	7.43
1301615	Manhole	727884.1	4372747.7	9.44	7.45
1301616	Manhole	727865.5	4372754.2	9.46	7.6
1301617	Manhole	727864.7	4372744.6	9.24	7.35
1301618	Manhole	727861.3	4372734.6	9.22	7.3
1301619	Manhole	727856.7	4372722.3	9.22	7.25
1301620	Manhole	727852.8	4372710.5	9.18	7.17
1301621	Manhole	727850.1	4372700	9.15	7.22
1301622	Manhole	727837.5	4372673.1	9.36	7.14
1301623	Manhole	727829.2	4372653.3	9.47	8.01
1301624	Manhole	727808.3	4372630.8	9.44	7.33
1301625	Manhole	727798.8	4372634	9.47	7.36
1301626	Manhole	727791.1	4372636.6	9.5	7.39
1301627	Manhole	727780.7	4372640.1	9.52	7.42
1301628	Manhole	727771.7	4372643.2	9.52	7.43
1301629	Manhole	727763.2	4372646	9.54	7.46
1301630	Manhole	727753.4	4372649.4	9.57	7.53
1301631	Manhole	727744.9	4372652.4	9.6	7.59
1301632	Manhole	727727.8	4372658.3	9.64	7.68
1301633	Manhole	727720.6	4372660.3	9.63	8.44
1301634	Manhole	727726.6	4372678.1	9.66	8.51
1301635	Manhole	727732.3	4372694.1	9.64	8.52
1301636	Manhole	727735.2	4372704.9	9.73	7.76
1301637	Manhole	727741.5	4372722.7	9.82	8.43
1301638	Manhole	727747.4	4372740.3	9.87	8.52
1301639	Manhole	727753.7	4372758.6	9.85	8.54

1301640	Manhole	727759.9	4372776.3	9.81	8.67
1301641	Manhole	727764.8	4372790.5	9.8	8.79
1301642	Manhole	727769.9	4372805.4	9.8	8.93
1301644	Manhole	727713.9	4372640.6	9.66	8.35
1301645	Manhole	727707.2	4372621.1	9.66	8.19
1301646	Manhole	727700.8	4372602.1	9.69	8.41
1301647	Manhole	727694.9	4372584.4	9.71	8.58
1301648	Manhole	727720.9	4372616.3	9.61	8.11
1301649	Manhole	727733.7	4372612.2	9.59	8.1
1301650	Manhole	727748.9	4372607	9.53	8.05
1301651	Manhole	727764.1	4372601.8	9.49	8.01
1301652	Manhole	727773.7	4372598.4	9.47	7.95
1301653	Manhole	727788.7	4372593.2	9.45	7.87
1301654	Manhole	727776.7	4372739.7	9.76	7.63
1301655	Manhole	727770.1	4372719.9	9.84	7.59
1301656	Manhole	727782.1	4372715.2	9.58	7.41
1301657	Manhole	727785.4	4372725.4	9.56	7.54
1301658	Manhole	727790.8	4372741.3	9.58	7.7
1301659	Manhole	727797.3	4372760	9.56	7.83
1301660	Manhole	727801.1	4372771.2	9.57	7.93
1301661	Manhole	727805	4372782.2	9.59	8.03
1301662	Manhole	727792.5	4372786.3	9.78	7.97
1301663	Manhole	727788.9	4372774.9	9.76	7.88
1301664	Manhole	727783.5	4372759.1	9.76	7.77
1301665	Manhole	727795.8	4372710.2	9.6	7.42
1301666	Manhole	727814.3	4372703.9	9.53	7.34
1301667	Manhole	727833.7	4372697.2	9.44	7.23
1301668	Manhole	727869.9	4372684.7	9.4	7.24
1301669	Manhole	727887.9	4372678.3	9.46	7.55
1301670	Manhole	727895.9	4372675.6	9.47	7.67
1301671	Manhole	727830.9	4372766.1	9.57	8.98
1301672	Manhole	727846.4	4372760.8	9.53	7.81
1301673	Manhole	727903	4372741.3	9.47	7.3
1301674	Manhole	727921.8	4372734.4	9.49	7.13
1301676	Outfall	727945.6	4372746	9.03	6.52
1301677	Manhole	727939	4372726.7	9.14	6.68
1301679	Manhole	727932.9	4372709.4	9.24	6.91
1301682	Manhole	727926.5	4372692.1	9.3	7.1
1301684	Manhole	727919.9	4372672.8	9.33	7.33
1301686	Manhole	727979.3	4372728.5	9.01	7.32
1301690	Manhole	727960.4	4372673.2	9.11	7.09



Anejo nº1 Datos de partida

ID Nodo	Tipo de Nodo	Coordenada X (m)	Coordenada Y (m)	Nivel del Terreno (m AD)	Cota Solera de Cámara (m AD)
1301691	Manhole	727956.5	4372662.5	9.12	7.04
1301693	Manhole	727968.6	4372697.9	8.95	7.08
1301694	Manhole	727974	4372713.1	8.88	7.1
1301710	Manhole	727626.5	4372412.4	10.08	8
1301711	Manhole	727617.5	4372415.3	10.15	7.95
1301712	Manhole	727611.3	4372417.6	10.18	7.82
1301713	Manhole	727606.3	4372418.8	10.2	7.84
1301820	Manhole	727951.9	4372389.9	9.18	6.51
1301821	Manhole	727933.5	4372396.4	9.24	6.63
1301822	Manhole	727914.7	4372403	9.22	6.67
1301823	Manhole	727896.3	4372409.4	9.24	6.75
1301824	Manhole	727874.6	4372417	9.28	6.87
1301825	Manhole	727858.4	4372422.7	9.34	6.98
1301826	Manhole	727839.2	4372429.8	9.38	7.09
1301827	Manhole	727819.8	4372436.1	9.44	7.19
1301828	Manhole	727801.5	4372443.1	9.52	7.32
1301829	Manhole	727783.4	4372448.9	9.59	7.43
1301830	Manhole	727948.3	4372408.1	9.29	6.47
1301831	Manhole	727954.9	4372427.1	9.26	6.37
1301832	Manhole	727961.2	4372445.4	9.26	6.3
1301836	Manhole	727885.7	4372442.8	9.48	8.44
1301837	Manhole	727907.6	4372462.7	9.97	7.98
1301838	Manhole	727903.4	4372451.3	9.21	8.11
1301839	Manhole	727899.7	4372439.4	9.2	8.19
1301840	Manhole	727911.9	4372501.5	9.36	6.33
1301841	Manhole	727915	4372516.2	9.36	7.86
1301842	Manhole	727917.4	4372524.3	9.35	7.81
1301843	Manhole	727920.4	4372535	9.35	7.75
1301844	Outfall	727923.2	4372542.6	9.34	7.69
1301846	Manhole	728019.5	4372542.6	8.13	7.29
1301847	Manhole	728017.9	4372525.3	8.21	7.36
1301848	Manhole	728025.1	4372562.1	7.99	7.16
1301849	Manhole	728030.6	4372581.5	7.7	6.88
1301850	Manhole	728019.6	4372585.4	7.66	6.85
1301851	Manhole	728024.7	4372600.2	7.63	6.51
1301852	Manhole	728028.7	4372612.6	8.11	6.52
1301853	Manhole	728044.9	4372616.8	8.55	6.91
1301854	Manhole	728022.7	4372567.6	9.14	8.09
1301855	Manhole	728000.2	4372547.9	9.37	7.92

1301856	Manhole	727992.2	4372581.1	9.21	6.76
1301857	Manhole	727971.6	4372587.9	9.29	7.14
1301858	Manhole	727962.4	4372561.3	9.36	7.43
1301859	Manhole	727980	4372554.8	9.37	7.72
1301860	Manhole	728067.3	4372632.2	8.19	6.38
1301861	Manhole	728061.8	4372613.1	7.98	6.55
1301862	Manhole	728056.5	4372613.5	8	6.75
1301863	Manhole	728056.3	4372593.3	7.92	6.66
1301864	Manhole	728050.8	4372574.2	7.94	6.89
1301865	Manhole	728045.4	4372555.1	7.95	7
1301866	Manhole	728039.6	4372535	7.96	7.12
1302564	Manhole	727911.3	4373240.7	11.08	9.8
1302566	Manhole	727783.2	4373208	9.77	8.8
1302567	Manhole	727786.3	4373139.4	9.52	7.34
1302568	Manhole	727772.8	4373007.5	9.15	8.236
1302572	Manhole	727761	4373019.9	9.08	6.61
1302574	Manhole	727630.1	4373032	10.11	9.25
1302575	Manhole	727650.9	4372984.9	9.95	9.19
1302607	Manhole	727982.3	4373203.9	9.07	7.14
1302611	Manhole	728158.4	4373031.2	8.45	7.69
1302612	Manhole	728134.3	4373032.2	8.52	7.76
1302613	Manhole	728146.7	4373031.7	8.48	7.72
1302615	Manhole	728149.9	4373103.8	8.4	7.08
1302641	Manhole	727752.4	4372399.2	9.78	8.55
1302644	Manhole	728156.2	4372743.7	8.42	7.47
1302645	Manhole	728145.6	4372766.8	8.55	6.52
1302674	Manhole	728173.4	4372922.7	8.55	6.27
1302700	Manhole	727631.4	4372951.6	10.07	8.82
1302702	Manhole	727728.6	4372921.4	9.42	8.42
1302703	Manhole	727724	4372822	10.14	8.43
1302704	Manhole	727713.7	4372712.1	9.83	7.95
1302705	Manhole	727902.8	4372897.5	8.87	7.06
1302706	Manhole	727933.8	4372944.1	8.66	7.21
1302708	Manhole	727981.7	4372734.9	8.98	7.3
1302713	Manhole	727822.6	4372634.4	9.5	8.08
1302714	Manhole	727808.8	4372572.6	9.29	7.54
1302715	Manhole	727809.8	4372571.9	9.3	7.98
1302717	Manhole	728211.9	4373068.8	8.52	7.37
1302718	Manhole	728202.7	4373023.3	8.27	6.6
1302720	Manhole	728254.7	4373093.8	8.09	7.01
1302723	Manhole	728232.1	4373113.1	8.29	5.94



Anejo nº1 Datos de partida

ID Nodo	Tipo de Nodo	Coordenada X (m)	Coordenada Y (m)	Nivel del Terreno (m AD)	Cota Solera de Cámara (m AD)
1302724	Manhole	728224.9	4373066.6	8.48	7.23
1302725	Manhole	728243.8	4373128.3	8.4	5.81
1302726	Manhole	728248.8	4373145.5	8.38	5.93
1302727	Manhole	728254.6	4373166.1	8.38	5.98
1302728	Manhole	728260.3	4373186.1	8.35	5.99
1302729	Manhole	728250.3	4373193.8	8.25	5.97
1302730	Manhole	728222.5	4373203.3	8.45	6.95
1302731	Manhole	728209.6	4373202.9	8.48	7.15
1302732	Manhole	728270.4	4373218.9	8.3	6.12
1302733	Manhole	728276.7	4373237.4	8.25	6.1
1302734	Manhole	728284.3	4373259.8	8.24	6.09
1302735	Manhole	728291.5	4373280.8	8.2	6.2
1302736	Manhole	728299.3	4373304.3	8.13	6.21
1302737	Manhole	728306.3	4373324.8	8.08	6.2
1305002	Manhole	727633.8	4372436.7	10.15	7.95
1305009	Manhole	728146.8	4373122.6	8.29	7.32
1305013	Manhole	728172	4373202.4	8.59	7.41
1305014	Manhole	728192	4373202.9	8.5	7.32
1305015	Manhole	728241.2	4373193.8	8.43	6.75
1305022	Manhole	727809.5	4373269.9	9.87	8.65
1305024	Manhole	727983.1	4373196.9	9.12	7.43
1305025	Manhole	727505.7	4372914.3	10.87	9.12
1305026	Manhole	727511.9	4372913.4	10.87	9.05
1305027	Manhole	727635.8	4372880.2	9.95	8.65
1305068	Manhole	728126.7	4373201.7	8.79	7.45
1305069	Manhole	728142.7	4373202	8.69	7.39
1306010	Manhole	727550.3	4372465.7	10.24	9.08
1306014	Manhole	727451.5	4372932.9	11.02	9.05
1308002	Manhole	727715.7	4372834.3	10.265	8.87
1308005	Manhole	728204.7	4373017	8.37	5.69
1308007	Manhole	727744.7	4372918.7	9.549	7.933
1308008	Manhole	727612.6	4372471.2	10.19	7.912
1308021	Manhole	727835.8	4372672.9	9.36	7.16
1308024	Manhole	727737.5	4373326.3	9.95	8.34
1308025	Manhole	727697.3	4373166.3	10.09	8.48
1308026	Manhole	727909.8	4372641.1	9.27	6.9
1308028	Manhole	728237.6	4373110.9	8.26	6.13
1308030	Manhole	727716.3	4373214.6	10.24	9.11
1308032	Manhole	727983.7	4373204	9.07	7.27

1308033	Manhole	727973	4373205.1	9.16	7.57
1308034	Manhole	728269.8	4373217	8.3	6.13
1308035	Manhole	727848.7	4373197.4	9.62	8.34
1308036	Manhole	727825.3	4373177.4	9.54	8.44
1308040	Manhole	727788.7	4372981.5	9.08	7.74
1308041	Manhole	727732.8	4373032.7	9.36	8.35
1308042	Manhole	728253.7	4373163.1	8.38	5.97
1308044	Manhole	728295.5	4373292.7	8.18	6.25
1308048	Manhole	727633.1	4372596.3	10.34	7.521
1308049	Manhole	727624.9	4372573.4	10.35	7.539
1308050	Manhole	727720.3	4372848	10.108	9.145
1308051	Manhole	727745.1	4372919.9	9.539	7.94
1308053	Outfall	728180.5	4372933.3	8.48	0
1308054	Manhole	727574.5	4372427.5	10.537	7.465
1308065	Manhole	727559.6	4373183.9	10.55	9.65
1308071	Manhole	727802.4	4373162.9	9.49	8.32
1308072	Manhole	727791.3	4373154.7	9.74	8
1308073	Manhole	727759.2	4372992	9.2	6.48
1308074	Manhole	728065.4	4373183.4	8.75	7.53
1308075	Manhole	728059.3	4373041.9	8.67	7.29
1308080	Manhole	727712.5	4372825.4	10.321	7.73
1308094	Manhole	727939.6	4372728.4	9.26	6.82
1308096	Manhole	727802.5	4372775.1	9.58	7.97
1308098	Manhole	728026.3	4372566.5	7.96	7.13
1308104	Manhole	727803.1	4373163.4	9.47	8.34
1308106	Manhole	727801.9	4373200.4	9.68	8.61
1308107	Manhole	727718.7	4373164.5	9.93	7.92
1308108	Manhole	727599.4	4373195.8	10.73	8.37
1308109	Manhole	727818.1	4373173.9	9.57	8.57
1308110	Manhole	727759	4373150.8	9.66	7.96
1308111	Manhole	727737.6	4373046.5	9.37	8.43
1308116	Manhole	727586.8	4372462.7	10.401	7.539
1308119	Manhole	728233.5	4373115	8.3	5.92
1308211	Manhole	728204.8	4373107.2	8.26	7.37
1308212	Manhole	727711.4	4372633	9.65	8.33
1308381	Manhole	727752.1	4373070.4	9.47	8.79
1308382	Manhole	727746.5	4373054.3	9.33	8.77
1308383	Manhole	727749	4373061.8	9.35	8.8
1308457	Manhole	727814.9	4372916.7	9.18	7.9
1308458	Manhole	727987.6	4372630.8	10.15	6.92
1308459	Manhole	728025.5	4372618.7	8.28	6.44



Anejo nº1 Datos de partida

ID Nodo	Tipo de Nodo	Coordenada X (m)	Coordenada Y (m)	Nivel del Terreno (m AD)	Cota Solera de Cámara (m AD)
1308460	Manhole	728028.4	4372618.5	9.31	7.03
1308464	Manhole	727861.8	4372608.6	9.39	8.35
1308559	Manhole	727895.4	4373523.7	8.96	7.58
1308560	Manhole	727918	4373516	8.93	7.51
1308561	Manhole	727940.6	4373508.4	8.78	7.45
1308562	Manhole	727963.1	4373500.8	8.63	7.3
1308563	Manhole	727985.7	4373493.1	8.51	7.24
1308564	Manhole	728008.3	4373485.5	8.38	7.18
1308565	Manhole	728030.9	4373477.8	8.25	7.12
1308566	Manhole	728053.5	4373470.1	8.18	7.06
1308567	Manhole	728076	4373462.5	8.14	7
1308568	Manhole	728098.6	4373454.8	8.1	6.94
1308569	Manhole	728121.2	4373447.2	8.08	6.88
1308570	Manhole	728144	4373439.5	8	6.82
1308571	Manhole	728159.4	4373440.1	8	6.8
1308572	Manhole	728184.3	4373431.6	7.97	6.75
1308573	Manhole	728209.2	4373423.2	7.95	6.7
1308574	Manhole	728234.2	4373414.7	7.92	6.65
1308575	Manhole	728259.1	4373406.3	7.82	6.6
1308576	Manhole	728284	4373397.8	7.78	6.55
1308577	Manhole	728315	4373381.3	7.85	6.3
1308578	Manhole	728314.2	4373378.9	7.85	6.29
1308579	Manhole	728130.6	4373400.5	8.41	7.13
1308580	Manhole	728136.9	4373419.8	8.29	6.99
1308581	Manhole	728142.8	4373428.6	8.19	6.85
1308582	Manhole	728181.7	4373424	7.97	6.75
1308583	Manhole	728206.7	4373415.6	7.95	6.7
1308584	Manhole	728231.6	4373407.1	7.92	6.65
1308585	Manhole	728256.5	4373398.7	7.82	6.6
1308586	Manhole	728279.9	4373390.2	7.78	6.55
1308587	Manhole	728285.8	4373388.7	7.77	6.5
1308588	Manhole	728300	4373385.9	7.82	6.44
1308589	Manhole	728143.1	4373240	8.65	6.74
1308590	Manhole	727861.9	4373521.5	9.05	8.15
1308591	Manhole	727846.1	4373500.1	9.14	8.09
1308592	Manhole	727837	4373474.7	9.22	8.04
1308593	Manhole	727831	4373448.7	9.3	7.97
1308594	Manhole	727827.9	4373421.9	9.39	7.92
1308595	Manhole	727827.9	4373394.5	9.47	7.85

1308596	Manhole	727836.3	4373380.2	9.73	7.8
1308597	Manhole	727839	4373357.9	9.77	7.75
1308598	Manhole	727840.2	4373345	9.68	7.72
1308599	Manhole	727864.8	4373336.4	9.65	7.66
1308600	Manhole	727888.9	4373328	9.43	7.59
1308601	Manhole	727913.1	4373319.7	9.47	7.54
1308602	Manhole	727936.5	4373311.6	9.4	7.48
1308603	Manhole	727959.5	4373303.3	9.31	7.41
1308604	Manhole	727984.4	4373295	9.23	7.35
1308605	Manhole	728008.4	4373286.7	9.15	7.3
1308606	Manhole	728032.4	4373278.4	9.06	7.24
1308607	Manhole	728056.3	4373270.1	8.99	7.18
1308608	Manhole	728080.3	4373261.8	8.9	7.12
1308609	Manhole	728104.2	4373253.5	8.82	6.99
1308610	Manhole	728128.2	4373245.2	8.74	6.86
1308611	Manhole	728144.3	4373216.6	8.8	6.64
1308612	Manhole	728196.1	4373227.7	8.59	6.88
1308613	Manhole	728191.2	4373223.3	8.52	6.87
1308614	Manhole	728171.7	4373230.1	8.59	6.8
1308615	Manhole	728094.6	4373294.4	8.93	8.17
1308616	Manhole	728101.8	4373315.6	8.82	8.01
1308617	Manhole	728109.2	4373336.9	8.7	7.85
1308618	Manhole	728116.3	4373358.2	8.59	7.69
1308619	Manhole	728123.4	4373379.3	8.47	7.53
1308620	Manhole	728145.5	4373372.1	8.44	7.37
1308621	Manhole	728172	4373363.1	8.38	7.18
1308622	Manhole	728198.2	4373354.3	8.33	6.98
1308623	Manhole	728225.1	4373345.2	8.27	6.79
1308624	Manhole	728251.2	4373336.3	8.22	6.59
1308625	Manhole	728277.6	4373327.4	8.2	6.4
1308627	Manhole	728147.4	4373435.4	8	6.8
1308769	Manhole	728294.9	4373321.5	7.95	5.9
1308770	Manhole	728298.4	4373313.5	7.96	5.9
1308771	Manhole	728295.5	4373304.8	7.99	5.89
1308772	Manhole	728287.7	4373281.6	8.02	5.87
1308773	Manhole	728280.6	4373260.5	8.03	5.85
1308774	Manhole	728273.1	4373238.2	8.07	5.83
1308775	Manhole	728266.8	4373219.8	8.15	5.82
1308776	Manhole	728256.5	4373187	8.18	5.78
1308777	Manhole	728250.8	4373166.9	8.2	5.77
1308778	Manhole	728245	4373146.3	8.22	5.75



ID Nodo	Tipo de Nodo	Coordenada X (m)	Coordenada Y (m)	Nivel del Terreno (m AD)	Cota Solera de Cámara (m AD)
1308779	Outfall	728237.1	4373139.3	8.25	5.74
1308781	Manhole	728310.5	4373365.8	7.85	6.24
1308782	Manhole	728300.7	4373338.5	7.91	6.03
1308797	Manhole	728281.4	4373297.2	8.16	6.28
1308842	Manhole	728317.8	4373360.3	7.91	6.31
1308843	Manhole	728318.3	4373362.4	7.91	6.3
1308844	Manhole	728321.8	4373371.6	8	6.44
1308848	Manhole	728266.5	4373100	7.99	6.93
1308849	Manhole	728204.3	4373236.6	8.61	7.43
1308850	Manhole	728233.5	4373226.5	8.58	7.32
1308851	Manhole	728250.4	4373221.8	8.42	7.26
1308852	Manhole	728253.4	4373223.8	8.35	7.32
1308853	Manhole	728263.7	4373254	8.33	7.23
1308854	Manhole	728276.3	4373292	8.28	7.12
1308855	Manhole	728280.8	4373303.6	8.24	7.05
1308856	Outfall	728284	4373303	8.16	6.92
1308858	Manhole	727671.8	4372940.7	9.93	8.64
2000028	Outfall	727193.9	4371575.1	6.8	4.3
2002072	Manhole	727218.4	4371581.2	11.05	4.8



ANEXO Nº2:
LISTADO DE CARACTERÍSTICAS DE LOS
TRAMOS EN LA SITUACIÓN ACTUAL



Anejo nº1 Datos de partida

Nodo Aguas Arriba	Sufijo	Nodo Aguas Abajo	Longitud Tramo (m)	Sección Tipo	Ancho (mm)	Alto (mm)	Manning	Cota Aguas Arriba (m)	Cota Aguas Abajo (m)
600078	1	600095	15.4	RECT	700	1500	0.015	8.61	8.81
600079	1	600078	43.8	RECT	700	1500	0.015	8.43	8.61
600080	1	600079	48.7	RECT	800	1300	0.015	8.65	8.43
600081	1	600080	35.9	RECT	700	1200	0.015	8.61	8.65
600082	1	600081	35.7	RECT	800	1300	0.015	8.71	8.61
600093	1	600094	28.1	CIRC	500	500	0.015	10.06	9.96
600094	1	608083	21.5	CIRC	500	500	0.015	9.96	9.91
600095	1	600119	13.6	RECT	700	1600	0.015	8.81	8.62
600096	1	608081	26.6	CIRC	600	600	0.015	9.72	7.65
600097	1	608082	20.2	CIRC	600	600	0.015	9.78	9.73
600098	1	600101	43.1	CIRC	300	300	0.01	10.02	7.35
600099	1	600100	22.6	CIRC	400	400	0.015	10.15	9.65
600100	1	600101	6.3	CIRC	400	400	0.015	9.65	9.4
600101	1	600102	27.1	CIRC	1000	1000	0.015	7.35	6.99
600102	1	600103	24.6	CIRC	1000	1000	0.015	6.99	6.87
600103	1	600114	27.1	CIRC	1000	1000	0.015	6.87	6.61
600112	1	600178	16.6	RECT	900	1600	0.015	8.51	8.31
600113	1	608085	1.2	CIRC	800	800	0.015	6.95	6.93
600114	1	608085	4	CIRC	1000	1000	0.015	6.61	6.63
600115	1	600114	20.4	CIRC	1000	1000	0.015	7.27	6.61
600117	1	600115	19.9	CIRC	1000	1000	0.015	7.49	7.27
600118	1	600097	18.8	CIRC	600	600	0.015	9.81	9.78
600119	1	600134	27.6	RECT	700	1350	0.015	8.62	8.66
600120	1	600122	36.8	CIRC	300	300	0.015	10.23	10.09
600121	1	600133	21.7	CIRC	300	300	0.015	10.51	10.35
600122	1	608082	12.9	CIRC	300	300	0.015	10.09	9.73
600123	1	600124	16.3	CIRC	1000	1000	0.015	7.7	7.69
600124	1	600125	19.1	CIRC	1000	1000	0.01	7.69	7.77
600125	1	600126	17.7	CIRC	1000	1000	0.015	7.77	7.79
600126	1	608084	68	CIRC	1000	1000	0.015	7.79	7.78
600127	1	600128	20	CIRC	1000	1000	0.015	7.78	7.68
600128	1	608081	6.9	CIRC	1000	1000	0.015	7.68	7.65
600130	1	600447	29.4	CIRC	400	400	0.015	10.48	10.36
600131	1	600132	25	CIRC	400	400	0.015	10.24	10.14
600132	1	600093	24.8	CIRC	400	400	0.015	10.14	10.06
600133	1	608083	20.2	CIRC	300	300	0.015	10.35	9.91
600134	1	608088	42.8	RECT	700	1350	0.015	8.66	7.58
600144	1	608009	1.4	CIRC	1000	1000	0.015	7.84	7.83

600145	1	608495	20.5	CIRC	1000	1000	0.015	7.72	8.08
600146	1	600144	38.4	CIRC	1000	1000	0.01	8.06	7.84
600147	1	600130	50.3	CIRC	400	400	0.015	10.59	10.48
600148	1	600147	28.5	CIRC	400	400	0.015	10.64	10.59
600149	1	600148	19.1	CIRC	400	400	0.015	10.67	10.64
600154	1	600155	43.2	CIRC	400	400	0.015	9.11	8.84
600155	1	600156	53	CIRC	400	400	0.015	8.84	7.29
600156	1	600113	25.4	CIRC	800	800	0.015	7.29	6.95
600158	1	600156	50.8	CIRC	500	500	0.015	7.56	7.29
600159	1	600160	2.7	CIRC	250	250	0.015	10.66	10.48
600160	1	600161	2.8	CIRC	250	250	0.015	10.08	9.97
600161	1	600158	23.3	CIRC	500	500	0.015	7.56	7.56
600162	1	608016	1.7	CIRC	250	250	0.01	10.15	9.98
600164	1	1200021	32.8	RECT	800	900	0.01	8.42	8.06
600165	1	600190	6.1	RECT	1000	800	0.01	8.47	8.52
600166	1	600165	7.6	RECT	1000	700	0.015	8.83	8.47
600167	1	600164	4.3	RECT	800	900	0.015	8.51	8.42
600168	1	600167	26.2	RECT	1000	1600	0.01	7.76	8.51
600169	1	600168	26	RECT	1000	1600	0.01	7.84	7.76
600170	1	608176	21.1	RECT	1000	1600	0.015	8.16	7.99
600173	1	600170	24.9	RECT	1000	1600	0.01	8.23	8.16
600174	1	600173	29.9	RECT	1000	1600	0.01	8.29	8.23
600175	1	600174	25.9	RECT	1000	1600	0.015	8.33	8.29
600176	1	600175	26.4	EGG2	1000	1700	0.015	8.33	8.33
600177	1	600578	9.9	RECT	1000	1600	0.015	8.46	8.31
600178	1	600177	16.5	RECT	1000	1700	0.015	8.31	8.46
600179	1	600180	26	CIRC	1000	1000	0.015	6.78	6.85
600180	1	600181	28.6	CIRC	1000	1000	0.015	6.85	6.94
600181	1	600182	25.6	EGG2	900	1000	0.015	6.94	6.93
600182	1	600183	26	EGG2	900	1000	0.015	6.93	6.95
600183	1	600184	25.7	EGG2	900	1000	0.015	6.95	6.74
600184	1	600185	25.8	CIRC	1000	1000	0.015	6.74	6.7
600185	1	600186	25.9	CIRC	1000	1000	0.015	6.7	6.64
600186	1	600187	26	CIRC	1000	1000	0.015	6.64	6.93
600187	1	600188	25.9	CIRC	1000	1000	0.015	6.93	6.86
600188	1	600189	25.6	CIRC	1000	1000	0.015	6.86	6.81
600189	1	600191	24.8	CIRC	1000	1000	0.015	6.81	6.7
600190	1	600196	12.1	RECT	1000	1000	0.015	8.52	8.63
600191	1	1200047	51.8	CIRC	1000	1000	0.015	6.7	6.4
600192	1	600193	25	RECT	800	1250	0.015	8.47	8.15
600193	1	600194	29	RECT	800	1500	0.015	8.15	7.76



Anejo nº1 Datos de partida

Nodo Aguas Arriba	Sufijo	Nodo Aguas Abajo	Longitud Tramo (m)	Sección Tipo	Ancho (mm)	Alto (mm)	Manning	Cota Aguas Arriba (m)	Cota Aguas Abajo (m)
600194	1	600195	27.8	RECT	800	1800	0.015	7.76	7.85
600195	1	600197	3.2	RECT	1000	1600	0.01	7.85	7.75
600196	1	600198	3.4	RECT	1150	1080	0.01	8.63	8.59
600197	1	600199	22.2	RECT	800	1800	0.015	7.75	7.91
600198	1	600554	49.6	CIRC	1000	1000	0.015	8.59	8.62
600199	1	1208001	10.8	RECT	1000	1400	0.01	7.91	7.79
600200	1	600192	25.3	RECT	800	1750	0.01	8	8.47
600201	1	600200	41.2	RECT	500	1000	0.015	9.03	8
600202	1	600201	25.7	RECT	800	1500	0.01	8.48	9.03
600203	1	600202	25.5	RECT	600	1000	0.015	8.69	8.48
600204	1	600203	22	RECT	800	1500	0.015	8.54	8.69
600205	1	600204	28.5	RECT	600	1400	0.015	8.66	8.54
600206	1	600205	19.7	RECT	600	1600	0.015	8.54	8.66
600207	1	600208	21.5	CIRC	400	400	0.015	9.94	9.77
600208	1	600209	10.7	CIRC	400	400	0.015	9.77	9.7
600209	1	600210	14.7	CIRC	400	400	0.015	9.28	9.2
600210	1	600211	11.3	CIRC	400	400	0.015	9.2	9.14
600211	1	600212	19.4	CIRC	400	400	0.015	9.14	9.04
600212	1	1200040	5.3	CIRC	400	400	0.015	9.04	8.93
600213	1	600215	22	CIRC	400	400	0.015	9.86	9.7
600215	1	600216	27	CIRC	400	400	0.015	9.7	9.51
600216	1	600217	17.2	CIRC	400	400	0.015	9.51	9.4
600217	1	600218	17.2	CIRC	400	400	0.015	9.4	9.3
600218	1	600219	18.9	CIRC	400	400	0.015	9.3	9.16
600219	1	600220	18.8	CIRC	500	500	0.015	9.16	8.96
600220	1	600123	20	CIRC	500	500	0.015	8.96	7.7
600225	1	600226	14.2	CIRC	500	500	0.015	9.46	9.39
600226	1	608193	5	CIRC	500	500	0.015	9.39	9.41
600227	1	600228	17.7	RECT	600	700	0.015	9.37	9.3
600228	1	600229	17.1	RECT	600	700	0.015	9.3	9.23
600229	1	600236	12.9	RECT	700	800	0.015	9.23	9.31
600230	1	600229	12.8	RECT	600	700	0.015	9.44	9.23
600231	1	600230	12.7	RECT	600	700	0.01	9.58	9.44
600232	1	600231	12.4	RECT	600	700	0.015	9.71	9.58
600233	1	600232	8.9	RECT	600	700	0.015	9.81	9.71
600236	1	600239	14.4	RECT	800	900	0.015	9.31	9.32
600237	1	600229	20.3	RECT	650	820	0.015	9.46	9.23
600239	1	600240	15.7	RECT	800	800	0.015	9.32	9.07

600240	1	600241	19.8	RECT	700	850	0.015	9.07	8.95
600241	1	600242	20	RECT	800	1000	0.015	8.95	8.82
600242	1	600243	20.9	RECT	800	1000	0.015	8.82	8.66
600243	1	1200657	10	RECT	600	700	0.015	8.66	8.72
600244	1	608304	10.4	RECT	800	750	0.015	9.65	9.57
600248	1	600249	2.3	CIRC	300	300	0.015	9.92	9.75
600249	1	600244	5.6	CIRC	600	600	0.01	9.72	9.65
600256	1	608192	5.9	RECT	1420	1000	0.01	9.36	9.46
600257	1	600258	6.5	CIRC	600	600	0.01	7.83	7.89
600258	1	600259	21.6	CIRC	600	600	0.015	7.89	7.74
600259	1	600260	25	CIRC	600	600	0.015	7.74	7.57
600260	1	600261	17.2	CIRC	600	600	0.015	7.57	7.56
600261	1	600262	15.8	CIRC	600	600	0.01	7.56	7.34
600262	1	1200644	30.2	CIRC	600	600	0.015	7.34	7.25
600263	1	608055	43.4	CIRC	600	600	0.015	7.621	7.544
600265	1	608516	12.5	CIRC	600	600	0.015	7.91	7.9
600266	1	600265	22	CIRC	600	600	0.015	8.06	7.91
600267	1	600266	22.7	CIRC	600	600	0.015	8.16	8.06
600276	1	600280	17.6	CIRC	300	300	0.015	9.78	9.71
600277	1	608503	18.6	CIRC	1000	1000	0.015	9.35	10.06
600278	1	600277	6.7	CIRC	1000	1000	0.015	9.35	9.35
600279	1	600278	13.5	CIRC	1000	1000	0.015	9.36	9.35
600280	1	608090	7.4	CIRC	400	400	0.015	9.71	9.68
600289	1	608511	23.9	CIRC	500	500	0.015	9	8.8
600295	1	608157	18.6	CIRC	500	500	0.01	9.65	9.36
600296	1	600295	11.8	CIRC	400	400	0.015	9.98	9.65
600298	1	608156	12	CIRC	400	400	0.015	9.76	9.73
600299	1	600301	21.6	CIRC	400	400	0.015	8.58	8.42
600300	1	600301	7.6	CIRC	300	300	0.015	9.85	9.45
600301	1	608057	9.8	CIRC	400	400	0.015	8.42	8.39
600302	1	600306	22.5	CIRC	400	400	0.015	8.35	8.27
600306	1	600307	15.3	CIRC	400	400	0.015	8.27	8.27
600307	1	600308	20	CIRC	400	400	0.015	8.27	8.26
600308	1	600309	18.8	CIRC	400	400	0.015	8.26	8.24
600309	1	600455	6.1	CIRC	400	400	0.015	8.24	8.15
600318	1	608057	7	CIRC	400	400	0.015	9.4	8.39
600322	1	600299	9.1	CIRC	300	300	0.015	9.74	9.58
600324	1	600325	11.2	CIRC	400	400	0.015	9.49	9.69
600325	1	600326	11.3	CIRC	400	400	0.015	9.69	9.5
600326	1	600327	14.8	CIRC	500	500	0.015	9.5	9.24
600327	1	600328	11.8	CIRC	500	500	0.015	9.24	9.34



Anejo nº1 Datos de partida

Nodo Aguas Arriba	Sufijo	Nodo Aguas Abajo	Longitud Tramo (m)	Sección Tipo	Ancho (mm)	Alto (mm)	Manning	Cota Aguas Arriba (m)	Cota Aguas Abajo (m)
600328	1	600329	11	CIRC	600	600	0.015	9.34	9.42
600329	1	600330	9.3	CIRC	600	600	0.015	9.42	9.93
600330	1	600336	19.5	CIRC	800	800	0.015	9.93	9.17
600331	1	600330	18.5	CIRC	400	400	0.015	9.46	9.93
600332	1	600331	16.4	CIRC	400	400	0.01	9.52	9.46
600333	1	600601	22.6	CIRC	800	800	0.015	9.17	9.17
600334	1	600333	21	CIRC	800	800	0.015	9.17	9.17
600335	1	600334	12.5	CIRC	800	800	0.015	9.09	9.17
600336	1	600335	6.8	CIRC	800	800	0.015	9.17	9.09
600337	1	600336	17.3	CIRC	600	600	0.015	9.25	9.17
600338	1	600337	15.1	CIRC	600	600	0.015	9.32	9.25
600339	1	600340	25.4	CIRC	1000	1000	0.015	9.04	8.92
600340	1	600357	17.3	CIRC	1000	1000	0.015	8.92	8.48
600341	1	600289	9.2	CIRC	400	400	0.015	9.3	9.4
600342	1	600341	21.5	CIRC	400	400	0.015	9.35	9.3
600343	1	600344	26.7	CIRC	400	400	0.015	9.26	9.2
600344	1	600345	18.2	CIRC	400	400	0.015	9.2	8.33
600345	1	1301562	23.3	CIRC	600	600	0.01	8.33	8.35
600346	1	608097	12.8	CIRC	900	900	0.015	9.61	8.93
600349	1	1306010	14.2	CIRC	300	300	0.015	9.23	9.08
600350	1	600345	22.1	CIRC	600	600	0.015	8.39	8.33
600352	1	600349	11.3	CIRC	300	300	0.015	9.44	9.23
600353	1	600352	4.1	CIRC	1500	1500	0.015	9.56	9.44
600355	1	600350	26.3	CIRC	600	600	0.015	8.39	8.39
600356	1	600355	14.2	CIRC	600	600	0.015	8.43	8.39
600357	1	600356	14.5	CIRC	600	600	0.01	8.48	8.43
600358	1	600327	15	CIRC	400	400	0.015	9.54	9.24
600359	1	600358	15.2	CIRC	400	400	0.015	9.6	9.54
600360	1	600359	15.2	CIRC	400	400	0.015	9.66	9.6
600361	1	600360	15.2	CIRC	400	400	0.015	9.7	9.66
600362	1	600361	15.2	CIRC	400	400	0.015	9.71	9.7
600363	1	600362	15.1	CIRC	400	400	0.015	9.77	9.71
600364	1	600363	15	CIRC	400	400	0.015	9.82	9.77
600365	1	600364	11.7	CIRC	400	400	0.015	9.84	9.82
600366	1	608067	1.2	CIRC	1000	1000	0.015	8.99	8.99
600367	1	608067	12	CIRC	400	400	0.015	9.29	9.27
600368	1	600367	15.2	CIRC	400	400	0.015	9.31	9.29
600369	1	600368	16.3	CIRC	400	400	0.015	9.35	9.31

600370	1	600369	14.6	CIRC	200	200	0.015	9.36	9.35
600371	1	600370	13.9	CIRC	200	200	0.015	9.4	9.36
600372	1	600373	15.1	CIRC	200	200	0.015	9.88	9.9
600373	1	600374	15.7	CIRC	250	250	0.015	9.9	9.84
600374	1	600375	22.8	CIRC	400	400	0.015	9.84	9.74
600375	1	600376	16.2	CIRC	400	400	0.015	9.74	9.72
600376	1	600377	15.2	CIRC	400	400	0.015	9.72	9.68
600377	1	600378	15.1	CIRC	400	400	0.01	9.68	9.65
600378	1	600380	15.1	CIRC	400	400	0.015	9.65	9.6
600380	1	600382	15	CIRC	400	400	0.015	9.6	9.55
600382	1	600383	15.1	CIRC	400	400	0.015	9.55	9.48
600383	1	600385	15.1	CIRC	400	400	0.015	9.48	9.4
600385	2	1300695	15.7	CIRC	400	400	0.01	9.4	9.36
600387	1	600339	6.8	CIRC	400	400	0.015	9.77	9.76
600388	1	600387	18.6	CIRC	400	400	0.015	9.82	9.77
600389	1	600388	18.1	CIRC	400	400	0.015	9.87	9.82
600390	1	600389	18.3	CIRC	400	400	0.015	9.92	9.87
600391	1	600390	17	CIRC	400	400	0.01	9.98	9.92
600392	1	600335	13.7	CIRC	400	400	0.015	9.7	9.33
600394	1	600329	18.5	CIRC	600	600	0.015	9.63	9.42
600396	1	600394	17.4	CIRC	600	600	0.015	9.63	9.63
600397	1	600396	17.4	CIRC	600	600	0.015	9.71	9.63
600398	1	600399	15.5	CIRC	600	600	0.015	9.72	9.73
600399	1	600400	17.5	CIRC	600	600	0.015	9.73	9.73
600400	1	600401	17.3	CIRC	600	600	0.015	9.73	9.62
600401	1	601592	17.5	CIRC	600	600	0.015	9.62	9.51
600402	1	601592	14.3	CIRC	600	600	0.015	9.51	9.51
600403	1	600402	18.5	CIRC	600	600	0.015	9.53	9.51
600404	1	600403	18.5	CIRC	600	600	0.015	9.52	9.53
600405	1	600404	18.6	CIRC	600	600	0.015	9.51	9.52
600406	1	600405	18.5	CIRC	600	600	0.015	9.5	9.51
600407	1	600406	18.4	CIRC	600	600	0.015	9.57	9.5
600409	1	600410	16.3	CIRC	600	600	0.015	9.91	9.87
600410	1	600411	17.1	CIRC	600	600	0.015	9.87	9.77
600411	1	600412	14	CIRC	600	600	0.015	9.77	9.72
600412	1	600415	18.4	CIRC	600	600	0.015	9.72	9.65
600415	1	600416	18.6	CIRC	600	600	0.01	9.65	9.59
600416	1	600418	18.4	CIRC	600	600	0.015	9.59	9.52
600418	1	600420	18.5	CIRC	600	600	0.015	9.52	9.48
600420	1	608060	11.6	CIRC	600	600	0.015	9.48	9.1
600422	1	608061	4	RECT	1600	1300	0.015	8.86	8.86



Anejo nº1 Datos de partida

Nodo Aguas Arriba	Sufijo	Nodo Aguas Abajo	Longitud Tramo (m)	Sección Tipo	Ancho (mm)	Alto (mm)	Manning	Cota Aguas Arriba (m)	Cota Aguas Abajo (m)
600423	1	608060	16.8	CIRC	400	400	0.015	9.41	9.1
600424	1	600423	19.5	CIRC	400	400	0.015	9.44	9.41
600425	1	600424	18.5	CIRC	400	400	0.01	9.47	9.44
600426	1	600425	17.2	CIRC	400	400	0.015	9.55	9.47
600427	1	600426	18.2	CIRC	400	400	0.015	9.63	9.55
600428	1	600427	18.3	CIRC	400	400	0.015	9.7	9.63
600429	1	600428	13.8	CIRC	400	400	0.015	9.75	9.7
600430	1	600431	17.4	CIRC	400	400	0.01	9.62	9.52
600431	1	600432	15.3	CIRC	600	600	0.01	9.52	9.65
600432	1	600433	15.4	CIRC	600	600	0.01	9.65	9.63
600433	1	600434	18.4	CIRC	600	600	0.01	9.63	9.61
600434	1	600435	20.6	CIRC	600	600	0.015	9.61	9.56
600435	1	600436	18.4	CIRC	600	600	0.015	9.56	9.5
600436	1	600437	18.5	CIRC	1000	1000	0.01	9.5	9.49
600437	1	601592	9.2	CIRC	1000	1000	0.015	9.16	9.15
600438	1	600437	17.1	CIRC	600	600	0.01	9.7	9.49
600439	1	600437	21.5	CIRC	1000	1000	0.015	9.13	9.16
600440	1	600438	16	CIRC	600	600	0.015	9.75	9.7
600441	1	600439	21.8	CIRC	1000	1000	0.015	9.16	9.13
600442	1	600440	14.1	CIRC	600	600	0.015	9.78	9.75
600443	1	600444	18.5	CIRC	600	600	0.015	9.71	9.57
600444	1	600445	18.4	CIRC	600	600	0.015	9.57	9.49
600445	1	600446	18.4	CIRC	600	600	0.015	9.49	9.38
600446	1	600330	18.2	CIRC	600	600	0.015	9.38	9.93
600447	1	600131	26	CIRC	400	400	0.015	10.36	10.24
600448	1	600392	19.3	CIRC	400	400	0.015	9.69	9.7
600449	1	600448	18.7	CIRC	400	400	0.015	9.68	9.69
600450	1	600449	18	CIRC	400	400	0.015	9.77	9.68
600451	1	600450	18.1	CIRC	400	400	0.015	9.86	9.77
600453	1	600456	20.9	CIRC	400	400	0.015	8.35	8.33
600454	1	600457	42.5	RECT	700	800	0.015	8.94	8.67
600455	1	600458	13.4	CIRC	500	500	0.015	8.15	8.07
600456	1	600455	2.5	CIRC	400	400	0.015	8.33	8.24
600457	1	600461	40.8	RECT	700	1000	0.015	8.67	8.65
600458	1	600459	14.8	CIRC	600	600	0.015	8.07	8
600459	1	600460	15.1	CIRC	600	600	0.015	8	7.95
600460	1	600462	15.8	CIRC	600	600	0.015	7.95	7.75
600461	1	1301592	59.6	RECT	700	1050	0.015	8.65	8.57

600462	1	600463	13.9	CIRC	600	600	0.015	7.75	7.57
600463	1	600464	16.8	CIRC	600	600	0.01	7.57	7.37
600464	1	600465	16.1	CIRC	600	600	0.015	7.37	7.39
600465	1	600466	3.7	CIRC	600	600	0.015	7.39	7.41
600466	1	608056	9.4	CIRC	600	600	0.01	7.41	7.529
600469	1	600470	17.6	CIRC	400	400	0.015	9.38	9.11
600470	1	600471	24.2	CIRC	400	400	0.015	9.11	8.76
600471	1	600472	7.4	CIRC	400	400	0.015	8.76	8.73
600472	1	600475	16.8	CIRC	400	400	0.015	8.73	8.69
600475	1	600476	13.7	CIRC	400	400	0.015	8.69	8.64
600476	1	600480	12.2	CIRC	500	500	0.015	8.64	8.61
600477	1	600471	8.9	CIRC	400	400	0.01	9.09	8.76
600479	1	600480	28.7	CIRC	600	600	0.015	8.69	8.61
600480	1	600481	2.9	CIRC	600	600	0.015	8.61	8.48
600481	1	600482	13.6	CIRC	600	600	0.015	8.48	8.41
600482	1	600483	14.8	CIRC	600	600	0.015	8.41	8.32
600483	1	600484	14.8	CIRC	600	600	0.015	8.32	8.23
600484	1	600485	13.8	CIRC	600	600	0.015	8.23	8.16
600485	1	600486	14.1	CIRC	600	600	0.015	8.16	8.08
600486	1	600487	14.9	CIRC	600	600	0.015	8.08	7.95
600487	1	600488	14.3	CIRC	600	600	0.015	7.95	7.77
600488	1	608291	1.6	CIRC	500	500	0.015	7.86	7.83
600489	1	600481	17.3	CIRC	500	500	0.015	8.66	8.61
600490	1	600489	25.3	CIRC	500	500	0.015	8.74	8.66
600491	1	600490	20.9	CIRC	500	500	0.015	8.83	8.74
600492	1	600491	19.7	CIRC	500	500	0.015	8.84	8.83
600493	1	600492	23.5	CIRC	500	500	0.015	8.95	8.84
600495	1	601593	35.4	CIRC	300	300	0.01	9.62	9.21
600496	1	600497	13.6	CIRC	1000	1000	0.015	6.51	6.32
600497	1	608015	1	CIRC	1000	1000	0.015	6.32	6.31
600498	1	600496	40.1	CIRC	600	600	0.015	6.73	6.51
600499	1	600498	39.8	CIRC	600	600	0.015	7.18	6.73
600500	1	608015	92.4	CIRC	500	500	0.015	8	7.66
600501	1	600499	30.2	CIRC	500	500	0.01	7.39	7.18
600502	1	600501	28.8	CIRC	500	500	0.01	7.34	7.39
600503	1	600500	38.1	CIRC	500	500	0.015	8.14	8
600504	1	600502	2.3	CIRC	200	200	0.015	10.26	10.54
600505	1	600502	24.7	CIRC	500	500	0.015	7.48	7.34
600506	1	600505	24.4	CIRC	500	500	0.01	7.6	7.48
600507	1	600503	40.3	CIRC	500	500	0.015	8.39	8.14
600508	1	600506	25	CIRC	500	500	0.015	7.65	7.6



Anejo nº1 Datos de partida

Nodo Aguas Arriba	Sufijo	Nodo Aguas Abajo	Longitud Tramo (m)	Sección Tipo	Ancho (mm)	Alto (mm)	Manning	Cota Aguas Arriba (m)	Cota Aguas Abajo (m)
600509	1	600507	39.4	CIRC	500	500	0.015	8.59	8.39
600510	1	600508	24.8	CIRC	500	500	0.015	7.7	7.65
600511	1	600510	31.8	CIRC	500	500	0.015	7.93	7.7
600512	1	600511	26.5	CIRC	500	500	0.015	8.09	7.93
600513	1	600154	40.2	CIRC	400	400	0.015	9.28	9.11
600514	1	600515	26.4	CIRC	400	400	0.015	7.89	7.87
600515	1	608016	10	CIRC	500	500	0.015	7.87	7.75
600518	1	600519	39.6	CIRC	500	500	0.015	7.69	7.4
600519	1	600522	39.8	CIRC	500	500	0.015	7.4	7.1
600520	1	600518	4.6	CIRC	400	400	0.015	9.06	9.09
600521	1	600522	5.3	CIRC	300	300	0.015	8.85	9.1
600522	1	600523	38.9	CIRC	500	500	0.015	7.1	6.9
600523	1	601577	37	CIRC	500	500	0.015	6.9	6.69
600524	1	601577	4.4	CIRC	300	300	0.015	8.87	8.79
600525	1	2002072	26	CIRC	1000	1000	0.015	5.94	5.698
600528	1	600499	37.5	CIRC	800	800	0.01	7.75	7.4
600529	1	600528	29.8	CIRC	800	800	0.01	7.8	7.75
600530	1	600529	27.8	CIRC	800	800	0.015	7.85	7.8
600531	1	600530	19.3	CIRC	800	800	0.015	8.01	7.85
600532	1	600535	23.2	CIRC	400	400	0.015	8.85	8.74
600533	1	600534	20.5	CIRC	300	300	0.015	10.03	9.22
600534	1	608017	29.4	CIRC	500	500	0.015	9.22	8.697
600535	1	600536	15	CIRC	400	400	0.015	8.74	8.66
600536	1	1200017	16.9	CIRC	400	400	0.015	8.66	8.47
600537	1	600531	16.3	CIRC	400	400	0.015	9.7	8.61
600538	1	600537	29.1	CIRC	400	400	0.015	8.82	8.65
600539	1	600540	12.5	CIRC	400	400	0.015	9.07	9
600540	1	600563	12	CIRC	400	400	0.01	9	8.93
600541	1	600531	29.8	CIRC	800	800	0.015	8.16	8.01
600542	1	600541	28.4	CIRC	600	600	0.015	8.35	8.16
600543	1	600542	26.2	CIRC	600	600	0.015	8.6	8.35
600544	1	600541	23	CIRC	400	400	0.015	9.63	9.13
600545	1	600544	11	CIRC	400	400	0.015	9.95	9.63
600546	1	600545	7.9	CIRC	200	200	0.015	10.18	9.95
600547	1	600548	19.2	CIRC	250	250	0.015	10.66	10.58
600548	1	600549	6.5	CIRC	250	250	0.01	10.58	10.67
600549	1	600504	4.9	CIRC	250	250	0.01	10.67	10.26
600550	1	600543	23.8	CIRC	500	500	0.015	8.6	8.6

600551	1	600550	20.7	CIRC	400	400	0.015	8.93	8.6
600552	1	600551	20.1	CIRC	400	400	0.01	9.24	8.93
600553	1	608622	63.2	RECT	800	700	0.015	9.05	7.723
600554	1	600553	10.9	RECT	800	700	0.01	8.62	9.05
600555	1	600550	30.3	CIRC	400	400	0.015	8.75	8.7
600556	1	600555	25.6	CIRC	400	400	0.015	8.89	8.75
600557	1	600556	27.4	CIRC	400	400	0.015	9.14	8.89
600558	1	600559	18.2	CIRC	200	200	0.015	10.68	10.68
600559	1	600560	17.9	CIRC	200	200	0.015	10.68	10.69
600560	1	600159	16	CIRC	200	200	0.015	10.69	10.66
600561	1	600562	15.1	CIRC	250	250	0.015	10.77	10.75
600562	1	600162	5.9	CIRC	250	250	0.015	10.75	10.45
600563	1	600537	21.3	CIRC	400	400	0.01	8.93	8.72
600564	1	600557	33.3	CIRC	400	400	0.015	9.42	9.36
600566	1	600567	24.1	CIRC	400	400	0.015	9.94	9.62
600567	1	600577	24.3	CIRC	400	400	0.015	9.62	9.29
600568	1	608084	17.2	CIRC	500	500	0.015	7.81	7.78
600569	1	600568	26.3	CIRC	500	500	0.015	7.95	7.81
600570	1	600569	23.8	CIRC	500	500	0.015	8.37	7.95
600571	1	600570	23	CIRC	500	500	0.01	8.73	8.37
600575	1	600569	24.8	CIRC	400	400	0.01	9.44	7.95
600576	1	600575	20	CIRC	400	400	0.015	9.9	9.44
600577	1	600578	26.8	CIRC	500	500	0.015	9.29	8.31
600578	1	600176	25.8	RECT	1000	1700	0.015	8.31	8.33
600579	1	600570	16.7	CIRC	400	400	0.015	9.14	8.37
600580	1	600579	20.3	CIRC	400	400	0.015	9.48	9.14
600581	1	600580	18.3	CIRC	400	400	0.01	9.77	9.48
600582	1	600581	26.3	CIRC	400	400	0.015	9.99	9.77
600583	1	600582	23.4	CIRC	400	400	0.015	10.27	9.99
600584	1	600583	18.6	CIRC	400	400	0.015	10.48	10.27
600601	1	600602	15	CIRC	1000	1000	0.015	8.85	8.75
600602	1	600603	17.2	CIRC	1000	1000	0.01	8.75	8.64
600603	1	600604	22.9	CIRC	1000	1000	0.015	8.64	8.54
600604	1	600605	15.7	CIRC	1000	1000	0.015	8.54	8.48
600605	1	600606	21.5	CIRC	1000	1000	0.015	8.48	8.39
600606	1	608090	4.4	CIRC	1000	1000	0.015	8.39	8.37
600611	1	608483	17.8	CIRC	1000	1000	0.015	8.14	8.09
600612	1	600611	19.1	CIRC	1000	1000	0.015	8.19	8.14
600613	1	600612	17.2	CIRC	1000	1000	0.015	8.22	8.19
600614	1	600613	6.4	CIRC	1000	1000	0.015	8.23	8.22
600618	1	608286	14.8	CIRC	400	400	0.015	9.73	9.62



Anejo nº1 Datos de partida

Nodo Aguas Arriba	Sufijo	Nodo Aguas Abajo	Longitud Tramo (m)	Sección Tipo	Ancho (mm)	Alto (mm)	Manning	Cota Aguas Arriba (m)	Cota Aguas Abajo (m)
600619	1	600618	6.6	CIRC	400	400	0.015	9.74	9.73
600620	1	600619	6.3	CIRC	400	400	0.015	9.76	9.74
600621	1	600620	20	CIRC	400	400	0.015	9.76	9.76
600622	1	600621	39.9	CIRC	400	400	0.015	9.84	9.76
600623	1	600622	20	CIRC	400	400	0.015	9.85	9.84
600624	1	600623	20	CIRC	400	400	0.015	9.88	9.85
600625	1	600624	19.9	CIRC	400	400	0.015	9.95	10.06
600626	1	600625	20.1	CIRC	400	400	0.015	10.06	9.95
600627	1	600626	33.7	CIRC	400	400	0.01	9.76	10.06
600628	1	600627	10.3	CIRC	400	400	0.015	9.75	9.76
600629	1	600628	17.7	CIRC	400	400	0.01	9.74	9.75
600632	1	600629	23.2	CIRC	400	400	0.015	9.74	9.74
600633	1	600680	17.7	CIRC	1200	1200	0.015	9.38	9.21
600634	1	600633	41.9	CIRC	1200	1200	0.015	9.35	9.38
600637	1	608287	20	CIRC	400	400	0.015	10.13	10.07
600638	1	600637	19.9	CIRC	400	400	0.015	10.18	10.13
600639	1	600638	20	CIRC	400	400	0.015	10.18	10.18
600640	1	600639	19.6	CIRC	400	400	0.015	10.19	10.18
600641	1	600640	20.5	CIRC	400	400	0.015	10.19	10.19
600642	1	600662	15.7	CIRC	1000	1000	0.015	9.31	9.28
600644	1	608247	3.7	CIRC	200	200	0.015	9.83	9.85
600646	1	608287	19.8	CIRC	500	500	0.015	9.69	9.77
600647	1	600646	20.5	CIRC	500	500	0.015	9.66	9.69
600648	1	600647	19.9	CIRC	400	400	0.015	9.71	9.66
600649	1	600648	19.8	CIRC	400	400	0.015	9.76	9.71
600650	1	600649	20.2	CIRC	500	500	0.015	9.83	9.76
600651	1	600650	19.9	CIRC	400	400	0.015	9.88	9.83
600652	1	600651	19.9	CIRC	400	400	0.015	9.94	9.88
600653	1	608246	4.7	CIRC	200	200	0.015	9.9	9.88
600655	1	600652	19.6	CIRC	400	400	0.015	9.8	9.94
600656	1	600655	15.4	CIRC	400	400	0.015	9.7	9.8
600657	1	600656	5.1	CIRC	400	400	0.015	10.23	10.28
600658	1	600659	20.2	CIRC	400	400	0.015	9.89	9.83
600659	1	600660	19.7	CIRC	400	400	0.015	9.83	9.74
600660	1	600661	20	CIRC	400	400	0.01	9.74	9.69
600661	1	600677	16.8	CIRC	400	400	0.015	9.69	9.62
600662	1	600663	20.6	CIRC	1000	1000	0.01	9.28	9.23
600663	1	600664	4.4	CIRC	1000	1000	0.015	9.23	9.31

600664	1	600441	17.6	CIRC	1000	1000	0.015	9.31	9.16
600665	1	600666	15.5	CIRC	200	200	0.015	9.88	9.9
600666	1	600444	16	CIRC	400	400	0.015	9.9	9.57
600667	1	600668	7.2	CIRC	1500	1500	0.015	10.16	10.19
600668	1	600644	16.4	CIRC	1500	1500	0.015	10.19	9.83
600669	1	600436	23.9	CIRC	300	300	0.015	10	9.63
600670	1	600669	9.6	CIRC	300	300	0.015	10.07	10
600671	1	600670	11.2	CIRC	300	300	0.015	10.06	10.07
600672	1	600671	8.7	CIRC	300	300	0.015	10.01	10.06
600673	1	602014	4.7	CIRC	150	150	0.015	9.96	10.03
600674	1	600675	19.7	CIRC	300	300	0.015	9.99	10
600675	1	600432	24.2	CIRC	300	300	0.015	10	9.73
600677	1	600678	42.9	CIRC	500	500	0.015	9.62	9.46
600678	1	608059	16.3	CIRC	400	400	0.015	9.46	9.26
600679	1	1306014	13	RECT	1000	1400	0.015	9.24	9.22
600680	1	600684	17.5	RECT	1400	1230	0.015	9.21	9.26
600681	1	608071	12	RECT	1000	1400	0.015	9.24	9.33
600682	1	600684	15.2	RECT	1000	1400	0.015	9.36	9.26
600683	1	608071	12.9	CIRC	400	400	0.015	9.67	9.33
600684	1	608059	2.9	RECT	1000	1400	0.015	9.26	9.26
600685	1	600683	20.9	CIRC	300	300	0.015	10.04	9.67
600686	1	600685	21.9	CIRC	300	300	0.01	10.4	10.04
600687	1	608045	3.9	RECT	700	850	0.015	9.6	9.881
600688	1	600687	15.4	RECT	700	850	0.015	9.71	9.6
600691	1	600688	14.5	RECT	700	850	0.015	9.88	9.71
600702	1	600686	12.1	CIRC	300	300	0.015	10.21	10.4
600848	1	608072	4.2	RECT	800	1050	0.015	9.28	9.3
600849	1	608072	26.6	RECT	800	1000	0.015	9.44	9.3
600850	1	600849	15	RECT	800	1000	0.015	9.46	9.44
600851	1	600850	14.8	RECT	800	850	0.015	9.49	9.46
600852	1	600851	14.8	RECT	800	850	0.015	9.52	9.49
601432	1	601433	15.6	RECT	1650	1050	0.015	9.59	9.53
601433	1	601435	15.5	RECT	1650	1050	0.015	9.53	9.72
601435	1	601436	16	RECT	1800	850	0.015	9.72	9.49
601436	1	608069	7.2	RECT	1800	1050	0.015	9.49	9.5
601437	1	601438	17.6	CIRC	1000	1000	0.015	9.5	9.38
601438	1	600634	60.3	CIRC	1000	1000	0.015	9.38	9.35
601439	1	608069	9.6	RECT	500	250	0.015	10.37	9.5
601440	1	601439	40.3	CIRC	400	400	0.015	10.69	10.37
601441	1	601442	25	CIRC	400	400	0.015	10.73	10.56
601442	1	608279	46.2	CIRC	300	300	0.01	10.56	10.25



Anejo nº1 Datos de partida

Nodo Aguas Arriba	Sufijo	Nodo Aguas Abajo	Longitud Tramo (m)	Sección Tipo	Ancho (mm)	Alto (mm)	Manning	Cota Aguas Arriba (m)	Cota Aguas Abajo (m)
601446	1	601568	45.2	RECT	1570	950	0.015	10.39	9.87
601568	1	601569	8.5	CIRC	500	500	0.015	9.87	9.86
601569	1	608285	12.6	CIRC	500	500	0.015	9.86	9.83
601576	1	600571	18	CIRC	500	500	0.015	9.08	8.93
601577	1	600525	56.5	CIRC	500	500	0.015	6.69	5.94
601592	1	600366	21.6	CIRC	1000	1000	0.015	9.15	8.99
601593	1	600477	13.8	CIRC	400	400	0.015	9.21	9.09
601602	1	600276	19.3	CIRC	300	300	0.015	9.9	9.78
601606	1	600205	17	CIRC	400	400	0.015	8.99	8.66
601607	1	601606	12.4	CIRC	400	400	0.015	9.15	8.99
601608	1	601607	14.1	CIRC	400	400	0.015	9.3	9.15
601609	1	601608	13.3	CIRC	400	400	0.015	9.42	9.3
601610	1	601609	15.1	CIRC	400	400	0.015	9.57	9.42
602014	1	600653	12.7	CIRC	150	150	0.015	10.03	9.9
606012	1	608045	11.1	CIRC	300	300	0.01	10.68	9.881
608009	1	600145	22.6	CIRC	1000	1000	0.015	7.83	7.72
608015	1	600525	39.7	CIRC	1000	1000	0.015	6.31	5.94
608016	1	600161	15.9	CIRC	500	500	0.015	7.75	7.56
608017	1	1200017	7.6	RECT	2000	950	0.015	8.441	8.47
608045	1	1300686	167.2	RECT	700	850	0.015	9.881	8.94
608055	1	1301568	26.9	EGG	600	1000	0.015	7.544	7.49
608056	1	1308049	13.5	EGG	600	1000	0.015	7.529	7.539
608057	1	600302	12.5	CIRC	400	400	0.015	8.39	8.35
608059	1	600679	15.3	RECT	1000	1400	0.015	9.26	9.24
608060	1	608061	7.7	CIRC	600	600	0.01	9.1	8.86
608061	1	608062	13.1	RECT	1600	1300	0.015	8.86	8.86
608062	1	1300681	17.4	RECT	1800	1250	0.01	8.86	8.93
608067	1	600454	12	CIRC	1000	1000	0.015	8.99	8.94
608069	1	601437	12	RECT	1800	1050	0.015	9.5	9.5
608071	1	600682	3.1	RECT	1000	1400	0.015	9.33	9.36
608072	1	600681	12.6	RECT	800	1000	0.01	9.3	9.24
608081	1	608088	13.6	CIRC	1000	1000	0.015	7.65	7.58
608082	1	600096	1	CIRC	600	600	0.015	9.73	9.72
608083	1	600118	34.9	CIRC	500	500	0.01	9.91	9.81
608084	1	600127	8	CIRC	1000	1000	0.015	7.78	7.78
608085	1	600179	47.2	CIRC	1000	1000	0.015	6.63	6.78
608088	1	600117	20	CIRC	1000	1000	0.01	7.58	7.49
608090	1	608502	5.4	CIRC	1000	1000	0.015	8.37	8.25

608096	1	1301602	17.8	EGG	600	1000	0.015	7.865	7.82
608097	1	1301562	15.2	CIRC	400	400	0.015	8.93	8.68
608152	1	608153	17.5	CIRC	300	300	0.01	10.88	10.59
608153	1	600557	6.1	CIRC	300	300	0.015	10.51	10.21
608154	1	608155	11.8	CIRC	400	400	0.015	9.56	9.37
608155	1	608191	10.3	CIRC	400	400	0.01	9.37	9.24
608156	1	600295	7.7	CIRC	400	400	0.01	9.73	9.65
608157	1	1200648	18.8	CIRC	500	500	0.015	9.36	9.13
608158	1	1200649	3.1	EGG2	700	1050	0.015	8.85	8.91
608159	1	608160	14.2	CIRC	300	300	0.015	10.09	10.03
608160	1	608161	16.2	CIRC	300	300	0.015	10.03	9.99
608161	1	600296	12	CIRC	400	400	0.015	9.99	9.98
608162	1	608163	13.4	CIRC	400	400	0.015	10.16	9.97
608163	1	608164	19.3	CIRC	400	400	0.015	9.97	9.94
608164	1	608165	14.3	CIRC	500	500	0.015	9.94	9.83
608165	1	608166	14.6	CIRC	600	600	0.01	9.83	9.75
608166	1	608167	20.2	CIRC	500	500	0.01	9.75	9.62
608167	1	608168	20.7	CIRC	500	500	0.01	9.62	9.55
608168	1	608169	14.8	CIRC	600	600	0.01	9.55	9.44
608169	1	608170	14.9	CIRC	600	600	0.01	9.44	9.41
608170	1	608171	20.1	CIRC	600	600	0.01	9.41	9.31
608171	1	608172	19.3	CIRC	600	600	0.01	9.31	9.17
608172	1	608173	21.5	CIRC	600	600	0.01	9.1	8.95
608173	1	608174	21.8	CIRC	600	600	0.01	8.95	8.9
608174	1	608175	13.9	CIRC	600	600	0.01	8.9	8.81
608175	1	608176	5.2	CIRC	300	300	0.01	8.81	7.99
608176	1	600169	28.1	RECT	1000	1600	0.01	7.99	7.84
608177	1	608178	13	CIRC	400	400	0.01	10.38	10.26
608178	1	608179	8.9	CIRC	400	400	0.01	10.22	9.56
608179	1	608169	17.3	CIRC	400	400	0.01	9.56	9.44
608180	1	608181	11.7	CIRC	400	400	0.015	10.07	9.41
608181	1	608182	18.8	CIRC	400	400	0.01	9.41	9.32
608182	1	608183	19.4	CIRC	400	400	0.015	9.32	9.28
608183	1	608172	22.5	CIRC	400	400	0.015	9.28	9.17
608184	1	608185	10.4	CIRC	500	500	0.01	10.28	10.08
608185	1	608186	11.2	CIRC	500	500	0.01	10.08	10
608186	1	608187	13.3	CIRC	500	500	0.01	10	9.89
608187	1	600225	19.6	CIRC	500	500	0.015	9.84	9.46
608188	1	608189	14.7	CIRC	400	400	0.01	10.03	9.93
608189	1	608190	22.4	CIRC	400	400	0.01	9.93	9.97
608190	1	608187	10.6	CIRC	400	400	0.01	9.97	10.2



Anejo nº1 Datos de partida

Nodo Aguas Arriba	Sufijo	Nodo Aguas Abajo	Longitud Tramo (m)	Sección Tipo	Ancho (mm)	Alto (mm)	Manning	Cota Aguas Arriba (m)	Cota Aguas Abajo (m)
608191	1	600257	13	CIRC	600	600	0.015	8.54	7.83
608192	1	608191	5.1	CIRC	500	500	0.015	9.46	9.18
608193	1	600227	9.7	CIRC	500	500	0.01	9.41	9.37
608227	1	608228	22.2	CIRC	500	500	0.015	9.03	8.92
608228	1	608229	18.6	CIRC	500	500	0.015	8.92	8.86
608229	1	608230	20.3	CIRC	500	500	0.015	8.86	8.77
608230	1	608231	19.7	CIRC	600	600	0.015	8.77	8.77
608231	1	608232	4.6	CIRC	600	600	0.01	8.77	8.79
608232	1	608233	15.5	CIRC	600	600	0.01	8.79	8.68
608233	1	608234	19.9	CIRC	600	600	0.01	8.68	8.63
608234	1	608235	15	CIRC	600	600	0.01	8.63	8.52
608235	1	608236	4.2	CIRC	700	700	0.01	8.52	8.55
608236	1	608237	23.2	CIRC	700	700	0.01	8.55	8.47
608237	1	608238	20.1	CIRC	700	700	0.01	8.47	8.45
608238	1	608239	20	CIRC	700	700	0.01	8.45	8.39
608239	1	608240	11	CIRC	700	700	0.01	8.39	8.31
608240	1	608241	26.8	CIRC	700	700	0.01	8.14	8.06
608241	1	608242	16.2	CIRC	700	700	0.01	8.06	8.01
608242	1	608275	18.3	CIRC	700	700	0.01	8.01	7.8
608243	1	608244	12.1	CIRC	400	400	0.01	9.25	9.21
608244	1	608245	19.9	CIRC	400	400	0.01	9.21	9.13
608245	1	608240	8.9	CIRC	400	400	0.01	9.13	9.04
608246	1	608232	11.3	CIRC	400	400	0.01	9.88	9.87
608247	1	608228	9.7	CIRC	400	400	0.01	9.85	9.77
608248	1	608249	12.5	CIRC	400	400	0.01	9.86	9.72
608249	1	608250	19.9	CIRC	400	400	0.01	9.72	9.59
608250	1	608254	14.5	CIRC	400	400	0.015	9.59	9.47
608251	1	608252	19.8	CIRC	400	400	0.015	9.85	9.74
608252	1	608253	20.3	CIRC	400	400	0.015	9.74	9.65
608253	1	608254	5.5	CIRC	400	400	0.015	9.65	9.47
608254	1	608255	26.7	CIRC	400	400	0.015	9.47	9.41
608255	1	608258	32.3	CIRC	500	500	0.015	9.41	9.18
608256	1	608257	37.1	CIRC	500	500	0.015	9.53	9.32
608257	1	608258	7.4	CIRC	500	500	0.015	9.32	9.18
608258	1	608259	10.8	CIRC	500	500	0.015	9.18	9.13
608259	1	608260	2.6	CIRC	500	500	0.01	9.13	9.15
608260	1	608261	18.1	CIRC	500	500	0.015	9.15	9.15
608262	1	608263	7.1	CIRC	400	400	0.015	9.25	9.2

608263	1	608264	4.5	CIRC	400	400	0.015	9.2	9.18
608264	1	608265	13.4	CIRC	400	400	0.015	9.18	9.1
608265	1	608266	6.9	CIRC	700	700	0.015	9.1	9.11
608266	1	608267	20.3	CIRC	700	700	0.01	9.11	9.08
608267	1	608268	20	CIRC	700	700	0.01	9.08	8.98
608268	1	608269	12.6	CIRC	700	700	0.01	8.98	8.93
608269	1	608270	7.4	CIRC	700	700	0.01	8.93	8.91
608270	1	608271	19.8	CIRC	700	700	0.01	8.91	8.86
608271	1	608272	20.3	CIRC	700	700	0.01	8.86	8.8
608272	1	608273	12.9	CIRC	700	700	0.01	8.8	8.74
608273	1	608274	7.6	CIRC	700	700	0.01	8.74	8.68
608274	1	608276	27.4	CIRC	700	700	0.01	8.25	7.97
608275	1	608279	26.6	CIRC	800	800	0.015	7.8	7.79
608276	1	608277	16	CIRC	800	800	0.01	7.97	7.96
608277	1	608278	18.1	CIRC	800	800	0.01	7.96	7.85
608278	1	608275	23.2	CIRC	800	800	0.01	7.85	7.8
608279	1	608280	5.3	CIRC	800	800	0.015	7.79	7.73
608280	1	608281	14	CIRC	800	800	0.015	7.73	7.68
608282	1	608273	14.6	CIRC	400	400	0.015	9.42	9.52
608283	1	608269	17.3	CIRC	400	400	0.015	9.52	9.49
608284	1	608265	15.6	CIRC	400	400	0.015	10.63	9.77
608285	1	608286	26.4	CIRC	600	600	0.015	9.83	9.62
608286	1	608287	40.8	CIRC	600	600	0.015	9.62	9.38
608287	1	608288	17.7	CIRC	1000	1000	0.015	9.38	9.18
608288	1	600642	31.4	CIRC	1000	1000	0.015	9.18	9.31
608291	1	608292	8	CIRC	600	600	0.015	7.69	7.71
608292	1	608096	8.2	CIRC	600	600	0.015	7.71	7.865
608303	1	600249	10.6	CIRC	400	400	0.01	9.79	9.72
608304	1	600237	9.4	RECT	800	850	0.01	9.57	9.46
608305	1	608306	7.9	CIRC	400	400	0.01	9.85	9.69
608306	1	600237	5.1	CIRC	400	400	0.015	9.69	9.58
608307	1	608308	33.6	CIRC	300	300	0.01	10.02	10.06
608308	1	608309	3.1	CIRC	400	400	0.015	9.86	9.77
608309	1	608310	1.9	CIRC	400	400	0.015	9.5	9.52
608310	1	608311	19	CIRC	400	400	0.015	9.41	9.33
608311	1	608312	19.1	CIRC	400	400	0.01	9.33	9.3
608312	1	608313	6.9	CIRC	400	400	0.01	9.3	9.31
608313	1	1300693	7	RECT	600	650	0.015	9.21	9.31
608328	1	600256	19.5	RECT	1000	700	0.01	9.029	9.36
608439	1	1300671	14.9	RECT	850	1400	0.015	9.04	9.1
608469	1	608470	25.8	CIRC	600	600	0.015	9.83	9.72



Anejo nº1 Datos de partida

Nodo Aguas Arriba	Sufijo	Nodo Aguas Abajo	Longitud Tramo (m)	Sección Tipo	Ancho (mm)	Alto (mm)	Manning	Cota Aguas Arriba (m)	Cota Aguas Abajo (m)
608470	1	608471	14	CIRC	600	600	0.015	9.72	9.45
608471	1	608472	10.3	CIRC	600	600	0.015	9.45	9.41
608472	1	608473	2.5	CIRC	600	600	0.01	9.41	9.39
608473	1	608474	10.7	CIRC	600	600	0.01	9.39	9.35
608474	1	608475	10.2	CIRC	600	600	0.015	9.35	9.33
608475	1	608476	13.4	CIRC	600	600	0.015	9.33	9.29
608476	1	608477	11.6	CIRC	600	600	0.015	9.29	9.19
608477	1	608478	6.5	CIRC	600	600	0.015	9.19	9.15
608478	1	608479	9.5	CIRC	600	600	0.015	9.15	9.1
608479	1	608480	13.2	CIRC	600	600	0.015	9.1	9.03
608480	1	608481	10.1	CIRC	600	600	0.015	9.03	8.99
608481	1	608482	16.1	CIRC	600	600	0.015	8.99	8.89
608482	1	608483	8.2	CIRC	600	600	0.01	8.89	8.88
608483	1	600146	17.8	CIRC	1000	1000	0.015	8.09	8.06
608484	1	608485	5.3	CIRC	400	400	0.01	10.28	10.03
608485	1	608486	8.8	CIRC	400	400	0.01	10.03	10.03
608486	1	608487	7.6	CIRC	400	400	0.01	10.03	9.92
608487	1	608488	23.1	CIRC	400	400	0.01	9.92	9.77
608488	1	608489	11.3	CIRC	400	400	0.01	9.77	9.67
608489	1	608490	18.1	CIRC	400	400	0.01	9.67	9.52
608490	1	608491	11.5	CIRC	600	600	0.01	9.52	9.5
608491	1	608492	10.4	CIRC	600	600	0.01	9.5	9.35
608492	1	608493	26.2	CIRC	600	600	0.01	9.35	9.23
608493	1	608494	21.9	CIRC	600	600	0.01	9.23	9.18
608494	1	608495	13.6	CIRC	600	600	0.01	9.18	9.13
608495	1	600123	19.4	CIRC	1000	1000	0.015	8.08	7.7
608496	1	608497	4.6	CIRC	400	400	0.01	10.38	10.29
608497	1	608492	14.9	CIRC	400	400	0.01	9.46	9.35
608498	1	608491	24.3	CIRC	400	400	0.01	10.68	10.25
608499	1	608500	28.7	CIRC	400	400	0.01	9.74	9.59
608500	1	608501	25.5	CIRC	400	400	0.01	9.59	9.43
608501	1	608502	20.9	CIRC	400	400	0.01	9.43	9.29
608502	1	600614	23.9	CIRC	1000	1000	0.01	8.25	8.23
608503	1	608500	3.1	CIRC	400	400	0.01	10.06	9.99
608504	1	608505	10.7	CIRC	400	400	0.01	10.09	10.04
608505	1	608506	21.1	CIRC	400	400	0.01	10.04	9.76
608506	1	608507	14.9	CIRC	400	400	0.01	9.76	9.2
608507	1	608508	15.4	CIRC	400	400	0.01	9.2	9.1

608508	1	608509	9.9	CIRC	400	400	0.01	9.1	8.94
608509	1	608510	8.3	CIRC	400	400	0.01	8.94	8.81
608510	1	608511	8.4	CIRC	400	400	0.01	8.81	8.69
608511	1	608512	11.9	CIRC	600	600	0.01	8.59	8.46
608512	1	608513	24.5	CIRC	600	600	0.01	8.46	8.39
608513	1	608514	9.1	CIRC	600	600	0.01	8.39	8.31
608514	1	608515	11.2	CIRC	600	600	0.01	8.31	8.29
608515	1	600267	9.1	CIRC	600	600	0.015	8.28	8.16
608516	1	608517	3.3	CIRC	600	600	0.01	7.9	7.86
608517	1	608518	19.2	CIRC	600	600	0.01	7.86	7.81
608518	1	608519	11.3	CIRC	600	600	0.01	7.81	7.74
608519	1	608520	18.1	CIRC	600	600	0.01	7.74	7.7
608520	1	1208918	15.9	CIRC	600	600	0.01	7.29	7.375
608522	1	608009	6.7	CIRC	300	300	0.01	7.86	7.83
608523	1	600145	7.4	CIRC	300	300	0.01	8.35	7.72
608615	1	608616	11.8	RECT	450	450	0.015	9.31	9.36
608616	1	608617	9	RECT	450	450	0.015	9.36	9.35
608617	1	608618	22.9	RECT	450	450	0.015	9.35	9.32
608618	1	1301563	38.4	RECT	450	450	0.015	9.32	8.32
608619	1	1200007	7.4	EGG2	750	1500	0.015	7.807	7.62
608620	1	608619	42	RECT	750	1500	0.015	8.87	7.807
608621	1	608620	5.9	RECT	750	1500	0.015	8.82	8.87
608622	1	1200007	4.8	RECT	800	700	0.015	7.723	7.62
1200001	1	1208001	3.1	RECT	800	750	0.015	8.35	8.34
1200003	1	1200001	25.7	RECT	800	1250	0.015	8.45	8.35
1200004	1	1200003	29	RECT	750	1500	0.015	9	8.45
1200007	1	1200010	23.2	EGG2	2000	2100	0.015	7.62	8.54
1200009	1	1200012	41.5	EGG	600	1000	0.015	6.4	6.35
1200010	1	1200011	18.8	RECT	2000	1000	0.015	8.54	8.46
1200011	1	1200013	19.9	RECT	1900	800	0.015	8.46	8.71
1200012	1	1200014	45.6	EGG	600	1000	0.01	6.35	6.23
1200013	1	1200015	31.9	RECT	1200	850	0.015	8.71	8.37
1200014	1	1200076	45.9	EGG	700	1300	0.015	6.23	6.18
1200015	1	608017	18.2	RECT	2000	950	0.015	8.37	8.441
1200017	1	1200018	23	RECT	1470	850	0.015	8.47	8.26
1200018	1	1200019	17.7	RECT	2000	950	0.015	8.26	8.48
1200019	1	1200077	17.4	RECT	1500	1000	0.015	8.48	8.22
1200021	1	1208035	17.6	RECT	800	1250	0.015	8.06	8.11
1200023	1	1203026	5.4	RECT	800	700	0.015	8.14	8.11
1200024	1	1203111	60.6	EGG	750	1350	0.015	6.51	6.3
1200025	1	1200024	37.2	EGG	700	1200	0.015	6.67	6.51



Anejo nº1 Datos de partida

Nodo Aguas Arriba	Sufijo	Nodo Aguas Abajo	Longitud Tramo (m)	Sección Tipo	Ancho (mm)	Alto (mm)	Manning	Cota Aguas Arriba (m)	Cota Aguas Abajo (m)
1200026	1	1200023	16	RECT	800	1200	0.015	7.96	8.14
1200027	1	1200026	16.7	RECT	800	1450	0.015	7.92	7.96
1200028	1	1200025	42.2	EGG	600	1000	0.015	6.77	6.67
1200029	1	1200028	30.9	EGG	600	1000	0.015	6.72	6.77
1200030	1	1200027	16.1	RECT	800	1150	0.015	8.22	7.92
1200031	1	1200029	42.9	EGG	600	1000	0.015	6.78	6.72
1200032	1	1200030	16.4	RECT	800	1450	0.015	7.97	8.22
1200033	1	1200032	16.4	RECT	800	1250	0.01	8.04	7.97
1200034	1	1200033	16.7	RECT	800	1100	0.015	8.24	8.04
1200035	1	1200034	16.9	RECT	800	950	0.015	8.55	8.24
1200037	1	1200035	16.8	RECT	800	1020	0.015	8.54	8.55
1200038	1	1200037	16.6	RECT	800	1040	0.015	8.62	8.54
1200039	1	1200038	16.5	RECT	800	1350	0.015	8.32	8.62
1200040	1	1200041	2.1	CIRC	400	400	0.015	8.93	8.91
1200041	1	1200039	15.9	RECT	800	1000	0.01	8.77	8.32
1200042	1	1200041	13.9	CIRC	600	600	0.015	8.83	8.77
1200043	1	1200042	8	CIRC	600	600	0.015	8.82	8.83
1200044	1	1200031	50	EGG	600	1000	0.015	6.74	6.78
1200045	1	1200043	7.3	CIRC	600	600	0.01	8.88	8.82
1200076	1	1200079	49.1	EGG	600	1000	0.015	6.18	6.14
1200077	1	1200078	18.7	RECT	2000	900	0.015	8.22	8.05
1200078	1	1200083	34.7	RECT	2000	950	0.01	8.05	7.89
1200079	1	1208003	2.8	EGG	700	1300	0.015	6.14	6.128
1200082	1	1208095	16.4	CIRC	400	400	0.01	7.7	6.038
1200083	1	1208002	4	RECT	2000	1100	0.015	7.89	7.614
1200084	1	2002072	35.8	RECT	1000	1700	0.015	5.78	4.8
1200086	1	1200087	31.7	CIRC	400	400	0.015	9.09	8.86
1200087	1	1200088	24.5	CIRC	400	400	0.015	8.86	8.74
1200088	1	1200089	21.4	CIRC	400	400	0.01	8.74	8.57
1200089	1	1200090	25.9	CIRC	400	400	0.015	8.57	8.31
1200090	1	1208002	25	CIRC	400	400	0.015	8.31	7.614
1200091	1	1208003	16.4	CIRC	600	600	0.01	8.08	6.128
1200092	1	1200091	31.3	RECT	700	600	0.015	8.18	8.08
1200093	1	1200092	43	RECT	1100	1350	0.015	8.72	8.18
1200094	1	1200093	15.8	RECT	1400	1400	0.015	8.57	8.72
1200095	1	1200094	15	RECT	1100	1200	0.015	8.66	8.57
1200096	1	1200095	16.8	RECT	1200	1200	0.015	8.65	8.66
1200097	1	1200096	16	RECT	1100	750	0.015	8.79	8.65

1200103	1	1200091	36	CIRC	400	400	0.015	8.94	9.52
1200602	1	1200603	16	RECT	550	750	0.015	8.65	8.6
1200603	1	1200604	14.5	RECT	550	750	0.015	8.6	8.6
1200604	1	1208042	14.4	RECT	550	750	0.015	8.6	8.59
1200605	1	1200606	14.2	RECT	550	900	0.015	8.58	8.59
1200606	1	1200607	14.6	EGG	600	1000	0.015	8.59	8.59
1200607	1	1200608	14.4	RECT	550	1000	0.015	8.59	8.58
1200608	1	1200609	14.4	RECT	550	1000	0.015	8.58	8.52
1200609	1	1208037	9.9	RECT	550	1100	0.015	8.52	8.053
1200627	1	1208036	35.3	CIRC	600	600	0.015	7.04	6.751
1200629	1	1200658	17.9	RECT	800	1850	0.015	8.13	8.2
1200631	1	1200629	47.4	RECT	700	950	0.015	8.46	8.13
1200632	1	1200631	18.7	RECT	700	950	0.015	8.44	8.46
1200633	1	1203000	60.4	EGG	600	1000	0.015	6.96	6.9
1200634	1	1200632	19.5	RECT	700	950	0.015	8.41	8.44
1200635	1	1200634	18.6	RECT	700	950	0.015	8.4	8.41
1200636	1	1200633	41.8	EGG	600	1000	0.015	7.07	6.96
1200637	1	1200635	20.1	RECT	700	750	0.015	8.75	8.4
1200640	1	1200636	39.7	EGG	700	1200	0.01	7	7.07
1200641	1	1200642	15.9	RECT	750	900	0.015	9.09	9.13
1200642	1	1208037	18.8	RECT	750	800	0.015	9.13	8.053
1200643	1	1200640	56.8	EGG	700	1200	0.01	7.19	7
1200644	1	1200643	13.1	EGG	700	1200	0.01	7.25	7.19
1200646	1	608615	11.9	RECT	450	450	0.015	9.47	9.31
1200648	1	608158	14	EGG2	700	1050	0.015	8.93	8.85
1200649	1	1200650	16.9	EGG2	700	1050	0.015	8.91	8.9
1200650	1	1200652	17.4	EGG2	700	1050	0.015	8.9	8.81
1200651	1	1200657	57.9	RECT	400	400	0.01	9.56	8.72
1200652	1	1200653	16.8	EGG2	700	1050	0.015	8.81	8.67
1200653	1	1200654	15.1	EGG2	800	1150	0.015	8.67	8.7
1200654	1	1203000	19.7	CIRC	600	600	0.015	8.7	8.42
1200657	1	1208039	11.2	RECT	1200	900	0.015	8.72	8.74
1200658	1	1200627	8.8	RECT	800	800	0.015	8.2	7.99
1200660	1	1200658	18.7	RECT	700	1150	0.01	8.16	8.2
1200662	1	1200660	13.2	RECT	600	900	0.01	8.33	8.16
1200664	1	1200662	13.6	RECT	600	850	0.01	8.49	8.33
1200666	1	1200664	15.7	RECT	600	800	0.01	8.53	8.49
1200676	1	1200677	15.9	RECT	600	680	0.01	8.6	8.63
1200677	1	1200666	12.8	RECT	600	680	0.015	8.63	8.53
1200703	1	1200704	10.3	CIRC	300	300	0.015	8.72	8.89
1200704	1	1200705	14.8	CIRC	400	400	0.015	8.89	8.66



Anejo nº1 Datos de partida

Nodo Aguas Arriba	Sufijo	Nodo Aguas Abajo	Longitud Tramo (m)	Sección Tipo	Ancho (mm)	Alto (mm)	Manning	Cota Aguas Arriba (m)	Cota Aguas Abajo (m)
1200705	1	1208042	13.5	CIRC	550	550	0.015	8.66	8.59
1200706	1	1208042	12.8	RECT	550	850	0.015	8.6	8.59
1200707	1	1200706	13.4	RECT	550	850	0.015	8.61	8.6
1200708	1	1200707	13.1	RECT	550	850	0.015	8.64	8.61
1200738	1	1200640	29	CIRC	600	600	0.015	7.53	7
1203000	1	1208039	5.7	EGG	700	1200	0.015	6.9	6.878
1203026	1	1200021	11	RECT	800	700	0.015	8.11	8.06
1203040	1	1208883	47.5	CIRC	600	600	0.015	9.71	9.27
1203111	1	1203118	41.3	EGG	750	1350	0.015	6.3	6.35
1203115	1	1200009	44.1	EGG	600	1000	0.015	6.4	6.4
1203118	1	1203115	25.2	EGG	600	1000	0.015	6.35	6.4
1203119	1	1208095	2.2	EGG	600	1000	0.015	6.05	6.038
1208001	1	600163	18.4	RECT	1000	1400	0.01	7.79	7.58
1208002	1	1200084	26.7	RECT	2000	1100	0.015	7.614	5.78
1208003	1	1203119	18.5	EGG	700	1300	0.015	6.14	6.05
1208005	1	1200084	33.3	EGG	600	1000	0.015	6.05	5.78
1208036	1	1200044	3	EGG	700	1200	0.015	6.751	6.74
1208037	1	1200643	13	RECT	550	1100	0.015	8.053	7.44
1208039	1	1208036	33.3	EGG	700	1200	0.015	6.878	6.751
1208042	1	1200605	14.2	RECT	550	750	0.015	8.59	8.58
1208095	1	1208005	11.7	EGG	600	1000	0.015	6.038	5.968
1208877	1	1208878	20.3	CIRC	400	400	0.01	9.81	9.77
1208878	1	1208879	3.7	CIRC	400	400	0.01	9.77	9.76
1208879	1	1208880	30.9	CIRC	400	400	0.015	9.76	9.64
1208880	1	1208881	13.1	CIRC	400	400	0.015	9.64	9.589
1208881	1	1208882	17.7	CIRC	400	400	0.015	9.589	9.52
1208882	1	1208883	3.6	CIRC	400	400	0.01	9.52	9.5
1208883	1	1208005	82.7	CIRC	600	600	0.015	9.27	9.032
1208918	1	1200644	13.4	EGG	600	1000	0.01	7.375	7.48
1208990	1	1200676	15.6	RECT	600	800	0.015	8.54	8.6
1208991	1	1208993	14.7	RECT	700	930	0.015	8.459	8.516
1208992	1	1208990	2.8	RECT	600	800	0.01	8.529	8.54
1208993	1	1208992	3.4	CIRC	250	250	0.01	8.516	8.529
1300671	1	1300672	14.9	RECT	1800	800	0.015	9.1	9.15
1300672	1	1305025	13.8	RECT	1800	800	0.015	9.15	9.12
1300673	1	1305025	15	CIRC	300	300	0.015	9.88	9.77
1300674	1	608062	19.1	RECT	1800	1250	0.01	8.78	8.86
1300676	1	1305027	36.5	CIRC	1200	1200	0.015	8.5	8.65

1300677	1	1300680	7.8	CIRC	400	400	0.015	9.72	9.67
1300678	1	1300676	11.7	CIRC	1200	1200	0.01	8.61	8.5
1300679	1	1300694	12.6	CIRC	400	400	0.015	9.54	9.56
1300680	1	1300679	13.7	CIRC	400	400	0.015	9.67	9.54
1300681	1	1300678	23.5	CIRC	1200	1200	0.015	8.93	8.61
1300682	1	1300715	28.9	RECT	800	610	0.015	8.74	8.74
1300683	1	1300716	20.1	CIRC	800	800	0.015	8.72	8.6
1300684	1	1300682	21.5	RECT	800	730	0.015	8.74	8.74
1300685	1	1300684	18.5	RECT	800	730	0.015	8.89	8.74
1300686	1	1300685	18.6	RECT	700	750	0.015	8.94	8.89
1300687	1	1300688	18.8	CIRC	800	800	0.015	9	8.93
1300688	1	1300689	18.6	CIRC	800	800	0.015	8.93	8.88
1300689	1	1302700	18.4	CIRC	800	800	0.015	8.88	8.82
1300690	1	1300687	20.3	CIRC	800	800	0.015	8.92	9
1300691	1	1300690	20.7	CIRC	800	800	0.015	8.85	8.92
1300692	1	1300691	21.1	CIRC	800	800	0.015	9.05	8.85
1300693	1	1300692	20.2	RECT	500	700	0.01	9.31	9.05
1300694	2	1300681	11.5	CIRC	400	400	0.01	9.4	9.27
1300695	1	1300694	2.1	CIRC	400	400	0.015	9.36	9.4
1300696	1	1300697	16.9	CIRC	400	400	0.015	9.04	9.01
1300697	1	1300698	10.4	CIRC	400	400	0.015	9.01	8.81
1300698	1	1300699	6.1	CIRC	400	400	0.015	8.81	8.81
1300699	1	1300700	7.5	CIRC	400	400	0.015	8.81	8.78
1300700	1	1300701	11.4	CIRC	400	400	0.015	8.78	8.59
1300701	1	1300726	13.8	CIRC	400	400	0.015	8.59	7.9
1300703	1	1308002	50.2	CIRC	400	400	0.015	8.97	8.87
1300704	1	1300703	13.5	CIRC	400	400	0.015	9.04	8.97
1300705	1	1300716	58.1	RECT	1800	900	0.015	8.71	8.6
1300706	1	1300707	12.1	CIRC	300	300	0.01	9.55	9.16
1300707	1	1300708	4.1	CIRC	500	500	0.015	9.16	8.94
1300708	1	1300709	16.4	CIRC	500	500	0.015	8.94	9.04
1300709	1	1300710	17.8	CIRC	500	500	0.015	9.04	9.11
1300710	1	1308050	14.5	CIRC	500	500	0.01	9.11	9.167
1300711	1	1302702	10.5	CIRC	500	500	0.015	8.43	8.42
1300712	1	1300711	11	CIRC	500	500	0.015	8.65	8.43
1300713	1	1300712	13.8	CIRC	500	500	0.015	8.64	8.65
1300714	1	1300713	13.5	CIRC	500	500	0.015	8.7	8.64
1300715	1	1300714	14.6	RECT	800	610	0.01	8.74	8.7
1300716	1	1308858	3.9	RECT	1600	850	0.015	8.6	8.64
1300717	1	1300718	10.3	RECT	1500	820	0.015	8.5	8.57
1300718	1	1300719	20.1	RECT	1250	800	0.015	8.57	8.41



Anejo nº1 Datos de partida

Nodo Aguas Arriba	Sufijo	Nodo Aguas Abajo	Longitud Tramo (m)	Sección Tipo	Ancho (mm)	Alto (mm)	Manning	Cota Aguas Arriba (m)	Cota Aguas Abajo (m)
1300719	1	1308457	84.3	RECT	1250	800	0.015	8.41	7.9
1300720	1	1308051	8.8	CIRC	400	400	0.01	8.02	7.94
1300721	1	1301081	15	CIRC	800	800	0.015	7.46	7.27
1300723	1	1302703	39.1	RECT	900	400	0.015	8.53	8.43
1300726	1	1300727	2.6	EGG	600	1000	0.015	7.9	7.87
1300727	1	1308080	3.7	EGG	600	1000	0.015	7.87	7.73
1300729	1	1308050	11.8	CIRC	600	600	0.01	9.38	9.145
1300730	1	1300729	13.3	CIRC	400	400	0.015	7.65	9.38
1300731	1	1302703	17.8	CIRC	400	400	0.015	8.62	8.43
1300732	1	1300731	21.2	CIRC	400	400	0.015	8.71	8.62
1300733	1	1300732	20.7	CIRC	400	400	0.015	8.83	8.71
1300734	1	1300733	21.5	CIRC	400	400	0.015	8.91	8.83
1300737	1	608096	13.8	EGG	600	1000	0.015	7.9	7.865
1300738	1	1300737	40.1	EGG	600	1000	0.015	7.99	7.9
1300739	1	1300736	23.8	RECT	1200	600	0.015	8.86	8.91
1300740	1	1300741	10.8	RECT	400	400	0.015	8.97	8.96
1300741	1	1300742	10.2	RECT	400	400	0.015	8.96	8.81
1300742	1	1300743	10.8	RECT	400	400	0.015	8.81	8.81
1300743	1	1300744	19.9	RECT	400	400	0.015	8.81	8.64
1300744	1	1300745	20.1	RECT	400	400	0.015	8.64	8.68
1300745	1	1300701	22.3	CIRC	400	400	0.015	8.68	8.59
1300748	1	1300779	17.1	CIRC	400	400	0.015	8.21	8.22
1300749	1	1308073	7.1	CIRC	1000	1000	0.015	6.51	6.48
1300750	1	1300749	15.6	CIRC	1000	1000	0.015	6.56	6.51
1300751	1	1300778	15	CIRC	400	400	0.015	8.45	8.39
1300752	1	1300751	9.9	CIRC	400	400	0.015	8.44	8.45
1300754	1	1300752	15.5	CIRC	400	400	0.015	8.45	8.44
1300755	1	1302572	16.5	CIRC	1000	1000	0.015	6.67	6.61
1300756	1	1300754	19.6	CIRC	400	400	0.015	8.46	8.45
1300757	1	1300755	17.2	CIRC	1000	1000	0.015	6.76	6.67
1300758	1	1300756	15.4	CIRC	400	400	0.015	8.42	8.46
1300760	1	1300757	23.2	CIRC	1000	1000	0.015	6.83	6.76
1300761	1	1300758	7.3	CIRC	400	400	0.015	8.41	8.42
1300762	1	1300761	7.6	CIRC	300	300	0.01	8.43	8.41
1300763	1	1300760	9.3	CIRC	1000	1000	0.015	6.86	6.83
1300764	1	1300763	10.5	CIRC	400	400	0.015	9.29	8.28
1300765	1	1300762	11.8	CIRC	300	300	0.015	8.47	8.43
1300766	1	1300763	25.2	CIRC	1000	1000	0.015	6.91	6.86

1300767	1	1300771	19.6	CIRC	400	400	0.015	8.58	8.51
1300769	1	1300770	13.4	CIRC	300	300	0.015	8.39	8.27
1300770	1	1300766	18.6	RECT	850	950	0.015	6.97	6.91
1300771	1	1301219	20.5	CIRC	400	400	0.01	8.51	8.36
1300772	1	1301220	19.8	CIRC	400	400	0.015	8.49	8.42
1300773	1	1300772	19.8	CIRC	400	400	0.015	8.58	8.49
1300774	1	1300775	25.1	CIRC	400	400	0.015	8.63	8.5
1300775	1	1300776	24.5	CIRC	400	400	0.01	8.5	8.38
1300776	1	1300777	25.2	CIRC	400	400	0.015	8.38	8.3
1300777	1	1302568	24.7	CIRC	400	400	0.015	8.3	8.236
1300778	1	1308073	1	CIRC	400	400	0.015	8.39	8.39
1300779	1	1308040	29.9	CIRC	400	400	0.015	8.22	7.74
1300780	1	1300782	10.9	CIRC	400	400	0.01	8.09	8.08
1300782	1	1300783	25	CIRC	400	400	0.015	8.08	7.96
1300783	1	1300720	11	CIRC	400	400	0.015	7.96	8.27
1300784	1	1300749	11.3	RECT	1500	770	0.015	7.27	7.34
1300785	1	1300784	6.4	CIRC	1000	1000	0.015	7.25	7.27
1300786	1	1300787	2.2	CIRC	400	400	0.015	8.6	8.54
1300787	1	1300785	13.4	CIRC	1000	1000	0.01	7.27	7.25
1300788	1	1300786	11.2	CIRC	400	400	0.015	8.67	8.6
1300789	1	1300787	38.1	CIRC	1000	1000	0.015	7.33	7.27
1300790	1	1300788	36.2	CIRC	400	400	0.015	8.92	8.67
1300791	1	1300790	15.3	CIRC	400	400	0.015	9.02	8.92
1300792	1	1300789	25.4	CIRC	1000	1000	0.015	8.23	7.33
1300793	1	1300794	17.3	CIRC	400	400	0.015	8.74	8.64
1300794	1	1300795	16.9	CIRC	400	400	0.015	8.64	8.55
1300795	1	1300796	17.9	CIRC	400	400	0.01	8.55	8.4
1300796	1	1300797	17.3	CIRC	400	400	0.015	8.4	8.48
1300797	1	1300748	17.8	CIRC	400	400	0.015	8.48	8.21
1300798	1	1300801	22.2	RECT	1100	1150	0.015	6.39	6.32
1300800	1	1308040	5.3	CIRC	300	300	0.015	8.1	7.74
1300801	1	1300803	19.3	CIRC	1000	1000	0.015	6.32	6.27
1300802	1	1300804	14.4	CIRC	700	700	0.01	7.44	7.33
1300803	1	1300806	21.1	CIRC	1000	1000	0.015	6.27	6.18
1300804	1	1300805	15	CIRC	600	600	0.01	7.33	7.23
1300805	1	1300807	14.2	CIRC	600	600	0.01	7.23	7.15
1300806	1	1300808	23.3	CIRC	1000	1000	0.015	6.18	6.14
1300807	1	1300809	13.6	CIRC	600	600	0.01	7.15	7.11
1300808	1	1300824	70	CIRC	1000	1000	0.015	6.14	6.1
1300809	1	1300808	1.6	CIRC	800	800	0.015	7.11	7.12
1300810	1	1300780	21.6	CIRC	400	400	0.015	8.06	8.09



Anejo nº1 Datos de partida

Nodo Aguas Arriba	Sufijo	Nodo Aguas Abajo	Longitud Tramo (m)	Sección Tipo	Ancho (mm)	Alto (mm)	Manning	Cota Aguas Arriba (m)	Cota Aguas Abajo (m)
1300811	1	1300812	15.7	CIRC	800	800	0.015	7.34	7.3
1300812	1	1300813	16.1	CIRC	800	800	0.015	7.3	7.27
1300813	1	1300814	15.8	CIRC	800	800	0.015	7.27	7.37
1300814	1	1300808	15	CIRC	800	800	0.015	7.37	7.25
1300815	1	1300809	19.2	CIRC	800	800	0.015	7.26	7.11
1300816	1	1300815	14.5	CIRC	800	800	0.015	7.21	7.26
1300817	1	1300816	14.5	CIRC	800	800	0.015	7.14	7.21
1300818	1	1300817	12.4	CIRC	800	800	0.015	7.12	7.14
1300819	1	1300856	15.6	CIRC	800	800	0.015	7.15	6.54
1300820	1	1302705	31.5	CIRC	800	800	0.015	7.11	7.06
1300821	1	1300820	13.7	CIRC	800	800	0.015	7.14	7.11
1300822	1	1300821	13	CIRC	800	800	0.015	7.2	7.14
1300823	1	1302706	17.1	CIRC	800	800	0.015	7.27	7.21
1300824	1	1300849	33.8	CIRC	1000	1000	0.015	6.1	6.05
1300825	1	1300824	3.9	CIRC	500	500	0.015	7.29	6.97
1300826	1	1300825	12.4	CIRC	800	800	0.015	7.27	7.29
1300827	1	1300826	12.2	CIRC	800	800	0.015	7.26	7.27
1300828	1	1300827	13.2	CIRC	800	800	0.015	7.26	7.26
1300829	1	1300811	16.6	CIRC	800	800	0.015	7.37	7.34
1300830	1	1300829	16.3	CIRC	600	600	0.015	7.37	7.37
1300831	1	1300830	16.3	CIRC	600	600	0.015	7.34	7.37
1300832	1	1300831	15.7	CIRC	600	600	0.015	7.34	7.34
1300833	1	1300832	16.5	CIRC	600	600	0.015	7.33	7.34
1300834	1	1300833	16.1	CIRC	600	600	0.015	7.34	7.33
1300835	1	1300834	16.3	CIRC	600	600	0.015	7.35	7.34
1300836	1	1300835	16.1	CIRC	600	600	0.015	7.42	7.35
1300837	1	1300825	9.4	CIRC	700	700	0.015	7.36	7.29
1300838	1	1300837	10.7	CIRC	700	700	0.015	7.42	7.36
1300839	1	1300838	15.2	CIRC	700	700	0.015	7.43	7.42
1300840	1	1300839	14.9	CIRC	700	700	0.015	7.45	7.43
1300841	1	1300840	15.1	CIRC	600	600	0.015	7.45	7.45
1300842	1	1300843	15	CIRC	600	600	0.015	7.47	7.28
1300843	1	1300844	17.9	CIRC	700	700	0.01	7.28	7.07
1300844	1	1300859	10.6	CIRC	700	700	0.015	7.07	6.95
1300845	1	1300858	9.9	CIRC	1000	1000	0.015	5.92	5.85
1300846	1	1300845	17.6	CIRC	1000	1000	0.015	5.93	5.92
1300847	1	1300846	20	CIRC	1000	1000	0.015	5.98	5.93
1300848	1	1300847	19.3	CIRC	1000	1000	0.015	6.02	5.98

1300849	1	1300848	21.5	CIRC	1000	1000	0.015	6.05	6.02
1300851	1	1300852	17.9	CIRC	800	800	0.015	7.01	7.05
1300852	1	1301064	12.1	CIRC	800	800	0.01	7.05	6.93
1300853	1	1301076	11.9	CIRC	800	800	0.015	7.01	7
1300854	1	1300853	14.4	CIRC	800	800	0.015	6.86	7.01
1300855	1	1300854	14.9	CIRC	800	800	0.015	6.71	6.86
1300856	1	1300855	16.2	CIRC	800	800	0.015	6.54	6.71
1300857	1	1300850	14.6	CIRC	1200	1200	0.01	7.43	7.3
1300858	1	1300886	10.1	CIRC	1000	1000	0.015	5.85	5.8
1300859	1	1300889	15.8	CIRC	800	800	0.015	6.95	6.84
1300860	1	1300859	15.1	CIRC	700	700	0.015	7.14	6.95
1300861	1	1300860	15	CIRC	700	700	0.01	7.18	7.14
1300862	1	1300861	15	CIRC	700	700	0.015	7.22	7.18
1300863	1	1300862	14.8	CIRC	700	700	0.015	7.28	7.22
1300864	1	1300863	7.6	CIRC	600	600	0.015	7.51	7.43
1300865	1	1308075	3.2	CIRC	700	700	0.015	7.29	7.29
1300866	1	1300865	14.3	CIRC	700	700	0.015	7.33	7.29
1300867	1	1300866	18.5	CIRC	700	700	0.015	7.33	7.33
1300868	1	1300867	9.8	CIRC	600	600	0.015	7.34	7.33
1300869	1	1301112	24.9	CIRC	700	700	0.015	7.36	7.36
1300870	1	1300869	28	CIRC	700	700	0.015	7.36	7.36
1300871	1	1300870	10.7	CIRC	400	400	0.015	7.35	7.36
1300872	1	1300871	20.6	CIRC	400	400	0.015	7.45	7.35
1300873	1	1300872	19.5	CIRC	400	400	0.015	7.52	7.45
1300874	1	1308074	6.3	CIRC	400	400	0.015	7.55	7.53
1300875	1	1308074	6.6	CIRC	600	600	0.015	7.71	7.53
1300876	1	1300858	11.8	CIRC	700	700	0.015	7.02	6.94
1300877	1	1300876	15.3	CIRC	700	700	0.01	7.08	7.02
1300878	1	1300877	16.6	CIRC	700	700	0.015	7.15	7.08
1300879	1	1300878	18.9	CIRC	700	700	0.015	7.22	7.15
1300880	1	1300881	18.8	CIRC	500	500	0.015	7.45	7.24
1300881	1	1300882	22.9	CIRC	500	500	0.015	7.24	6.97
1300882	1	1300883	19.8	CIRC	500	500	0.01	6.97	6.8
1300883	1	1301032	15.1	CIRC	500	500	0.015	6.8	6.75
1300886	1	1300887	23.9	CIRC	1000	1000	0.015	5.8	5.78
1300887	1	1300892	30.2	CIRC	1000	1000	0.01	5.78	5.8
1300888	1	1300890	14.9	CIRC	800	800	0.015	6.84	6.73
1300889	1	1300888	14.9	CIRC	800	800	0.015	6.84	6.84
1300890	1	1300891	15.1	CIRC	800	800	0.015	6.73	6.66
1300891	1	1300893	14.9	CIRC	800	800	0.01	6.66	6.63
1300892	1	1300895	23.9	CIRC	1000	1000	0.015	5.8	5.76



Anejo nº1 Datos de partida

Nodo Aguas Arriba	Sufijo	Nodo Aguas Abajo	Longitud Tramo (m)	Sección Tipo	Ancho (mm)	Alto (mm)	Manning	Cota Aguas Arriba (m)	Cota Aguas Abajo (m)
1300893	1	1300894	15	CIRC	800	800	0.015	6.63	6.51
1300894	1	1300897	22.2	CIRC	800	800	0.015	6.51	6.39
1300895	1	1300896	32.8	CIRC	1000	1000	0.015	5.76	5.75
1300897	1	1300896	9.4	CIRC	800	800	0.015	6.39	6.34
1300898	1	1300899	29.2	CIRC	400	400	0.015	7.17	7.07
1300899	1	1300915	9.4	CIRC	600	600	0.015	6.93	6.83
1300900	1	1300899	48	CIRC	400	400	0.015	6.93	6.93
1300905	1	1302674	27.3	CIRC	500	500	0.01	7.4	6.27
1300907	1	1300905	13.3	CIRC	500	500	0.01	7.3	7.4
1300908	1	1300907	13.5	CIRC	500	500	0.015	7.33	7.3
1300910	1	1300908	12.7	CIRC	500	500	0.015	7.3	7.33
1300912	1	1300910	25.6	CIRC	500	500	0.015	7.43	7.3
1300913	1	1302718	4.6	CIRC	400	400	0.015	6.94	6.6
1300914	1	1300912	12.8	CIRC	500	500	0.015	7.27	7.43
1300915	1	1308005	31.6	CIRC	1500	1500	0.015	5.78	5.69
1300916	1	1300915	35.5	CIRC	1500	1500	0.015	5.88	5.78
1300917	1	1300918	9.3	CIRC	1800	1800	0.01	5.86	5.75
1300918	1	1300916	21.3	CIRC	1800	1800	0.015	5.75	5.88
1300935	1	1300938	15	CIRC	400	400	0.015	7.65	7.6
1300940	1	1300938	24.1	CIRC	800	800	0.015	6.3	6.44
1300946	1	1308053	7.9	CIRC	700	700	0.01	5.93	5.44
1300954	1	1300981	69.7	CIRC	800	800	0.015	6.29	6.11
1300968	1	1300880	20.4	CIRC	400	400	0.01	7.91	7.45
1300982	1	1300981	14.9	CIRC	300	300	0.015	7.33	7.3
1300983	1	1300982	15.3	CIRC	300	300	0.015	7.34	7.33
1300984	1	1300983	14.9	CIRC	300	300	0.015	7.34	7.34
1300985	1	1301002	18.3	CIRC	800	800	0.015	6.12	6.03
1300988	2	1300985	20	CIRC	800	800	0.015	6.2	6.12
1300989	2	1300988	20.8	CIRC	800	800	0.015	6.28	6.2
1300991	2	1300989	20.3	CIRC	800	800	0.015	6.31	6.28
1300992	2	1300991	21.3	CIRC	800	800	0.015	6.37	6.31
1300994	2	1300992	21.6	CIRC	800	800	0.01	6.36	6.37
1300995	1	1300998	24.7	CIRC	400	400	0.01	6.46	6.32
1300997	1	1308459	12	CIRC	1000	1000	0.015	6.7	6.44
1300998	1	1300999	21.8	CIRC	400	400	0.015	6.32	6.26
1300999	1	1301000	18.1	CIRC	400	400	0.01	6.26	6.19
1301000	1	1301001	17.7	CIRC	400	400	0.01	6.19	6.15
1301001	1	1301002	23.6	CIRC	400	400	0.015	6.15	6.03

1301004	1	1300981	27	CIRC	300	300	0.015	7.44	7.28
1301005	1	1301004	13.3	CIRC	300	300	0.015	7.4	7.44
1301006	1	1301005	14.8	CIRC	300	300	0.015	7.43	7.4
1301007	1	1302645	26.1	CIRC	1000	1000	0.015	6.59	6.52
1301008	1	1301007	16	CIRC	1000	1000	0.01	6.5	6.59
1301022	1	1302708	3.4	CIRC	800	800	0.015	7.39	7.3
1301026	1	1301027	14.9	CIRC	800	800	0.015	6.7	6.55
1301027	1	1301028	15.4	CIRC	800	800	0.015	6.55	6.6
1301028	1	1301029	14.6	CIRC	1000	1000	0.015	6.6	6.55
1301029	1	1301008	14.9	CIRC	1000	1000	0.015	6.55	6.5
1301030	1	1301026	14.9	CIRC	800	800	0.015	6.64	6.7
1301031	1	1301030	15.6	CIRC	800	800	0.015	6.67	6.64
1301032	1	1301031	14.2	CIRC	800	800	0.015	6.75	6.67
1301039	1	1301041	17.2	CIRC	800	800	0.015	7.98	7.67
1301041	1	1301044	24.8	CIRC	800	800	0.015	7.67	7.69
1301044	1	1301046	24.1	CIRC	800	800	0.01	7.69	7.73
1301046	1	1301050	25.2	CIRC	800	800	0.015	7.73	7.67
1301050	1	1301053	25.5	CIRC	800	800	0.01	7.67	7.46
1301053	1	1301022	12.2	CIRC	800	800	0.015	7.46	7.39
1301064	1	1301065	14.5	CIRC	800	800	0.015	6.93	6.83
1301065	1	1301066	17.3	CIRC	800	800	0.015	6.83	6.97
1301066	1	1301067	16.1	CIRC	800	800	0.015	6.97	6.85
1301067	1	1301068	15.8	CIRC	800	800	0.015	6.85	6.86
1301068	1	1301069	16.1	CIRC	800	800	0.015	6.86	6.8
1301069	1	1301070	15.9	CIRC	800	800	0.015	6.8	6.78
1301070	1	1301032	16.4	CIRC	800	800	0.015	6.78	6.75
1301072	1	1301073	14.7	CIRC	800	800	0.015	6.91	7.03
1301073	1	1301074	14.2	CIRC	800	800	0.015	7.03	7.02
1301074	1	1301075	15.4	CIRC	800	800	0.015	7.02	7.01
1301075	1	1301076	9.3	CIRC	800	800	0.015	7.01	7
1301076	1	1301064	12.8	CIRC	800	800	0.015	7	6.93
1301081	1	1301082	15	CIRC	800	800	0.015	7.27	7.25
1301082	1	1301083	16.1	CIRC	800	800	0.015	7.25	7.05
1301083	1	1301084	14.1	CIRC	800	800	0.015	7.05	7.11
1301084	1	1301072	15.1	CIRC	800	800	0.015	7.11	6.91
1301085	1	1300882	8.2	CIRC	400	400	0.01	7.17	6.97
1301086	1	1301085	13.9	CIRC	500	500	0.015	7.17	7.17
1301087	1	1301086	8.9	CIRC	500	500	0.015	7.22	7.17
1301088	1	1301087	22.7	CIRC	400	400	0.015	7.49	7.22
1301089	1	1301088	15.5	CIRC	400	400	0.015	7.71	7.49
1301090	1	1301087	18.9	CIRC	400	400	0.015	7.49	7.22



Anejo nº1 Datos de partida

Nodo Aguas Arriba	Sufijo	Nodo Aguas Abajo	Longitud Tramo (m)	Sección Tipo	Ancho (mm)	Alto (mm)	Manning	Cota Aguas Arriba (m)	Cota Aguas Abajo (m)
1301091	1	1301090	16.7	CIRC	400	400	0.015	7.6	7.49
1301092	1	1301091	17.8	CIRC	400	400	0.015	7.8	7.6
1301093	1	1301092	7.7	CIRC	400	400	0.015	7.89	7.8
1301094	1	1301093	5.6	CIRC	400	400	0.015	7.95	7.89
1301095	1	1301094	22.8	CIRC	400	400	0.015	8.13	7.95
1301099	1	1300864	34.3	CIRC	300	300	0.015	7.67	7.51
1301100	1	1301101	17.4	CIRC	400	400	0.015	7.66	7.59
1301101	1	1300914	15.9	CIRC	400	400	0.015	7.59	7.27
1301102	1	1301099	13.6	CIRC	300	300	0.015	7.74	7.67
1301103	1	1301104	6.8	CIRC	200	200	0.01	7.89	7.89
1301104	1	1301105	9.3	CIRC	200	200	0.015	7.89	7.88
1301105	1	1308075	17	CIRC	200	200	0.015	7.88	7.86
1301106	1	1301107	10.2	CIRC	400	400	0.015	7.63	7.49
1301107	1	1301108	19.9	CIRC	400	400	0.015	7.49	7.41
1301108	1	1302615	15.4	CIRC	400	400	0.015	7.41	7.08
1301109	1	1305009	14.7	CIRC	400	400	0.01	7.47	7.32
1301110	1	1301109	30.7	CIRC	400	400	0.015	7.54	7.47
1301111	1	1301110	11.3	CIRC	400	400	0.015	7.52	7.54
1301112	1	1301113	23.9	CIRC	400	400	0.015	7.36	7.25
1301113	1	1301114	22.1	CIRC	400	400	0.015	7.25	7.2
1301114	1	1301115	9.8	CIRC	500	500	0.015	7.2	7.12
1301115	1	1302615	7.1	CIRC	500	500	0.015	7.12	7.08
1301116	1	1301117	13.3	CIRC	500	500	0.015	7.05	7.02
1301117	1	1301118	19.6	CIRC	500	500	0.015	7.02	6.89
1301118	1	1301119	19.7	CIRC	500	500	0.01	6.89	6.75
1301119	1	1301120	13.6	CIRC	600	600	0.01	6.75	6.73
1301120	1	1300918	9.5	CIRC	600	600	0.015	6.73	6.01
1301122	1	1300868	14.9	CIRC	400	400	0.015	7.79	7.53
1301123	1	1301122	18.9	CIRC	400	400	0.015	7.83	7.79
1301124	1	1301123	11.2	CIRC	400	400	0.015	7.86	7.83
1301125	1	1301124	20.9	CIRC	400	400	0.015	7.88	7.86
1301126	1	1301125	10.9	CIRC	400	400	0.015	7.95	7.88
1301127	1	1301126	5.6	CIRC	400	400	0.015	7.97	7.95
1301128	1	1301127	3.6	CIRC	400	400	0.015	7.96	7.97
1301129	1	1301128	22.4	CIRC	400	400	0.015	8.02	7.96
1301130	1	1301131	17	CIRC	400	400	0.015	7.93	7.77
1301131	1	1305024	51.6	CIRC	400	400	0.01	7.77	7.43
1301132	1	1301133	20.8	CIRC	800	800	0.015	6.91	6.84

1301133	1	1301134	19.9	CIRC	800	800	0.01	6.84	6.73
1301134	1	1301135	20.1	CIRC	800	800	0.01	6.73	6.61
1301135	1	1301137	20.5	CIRC	800	800	0.01	6.61	6.52
1301136	1	1301170	8.2	RECT	1000	730	0.015	7.58	7.55
1301137	1	1301138	30	CIRC	800	800	0.015	6.52	6.37
1301138	1	1301139	29.7	CIRC	800	800	0.015	6.37	6.34
1301139	1	1301140	17.2	CIRC	800	800	0.015	6.34	6.26
1301140	1	1308034	28.1	CIRC	800	800	0.015	6.26	6.13
1301142	1	1301132	20	CIRC	800	800	0.015	6.9	6.91
1301143	1	1301142	19	CIRC	800	800	0.015	6.94	6.9
1301144	1	1301143	20.1	CIRC	800	800	0.01	6.97	6.94
1301145	1	1301144	20	CIRC	800	800	0.01	7.03	6.97
1301146	1	1301145	14	CIRC	800	800	0.01	7.1	7.03
1301147	1	1302607	3.9	CIRC	600	600	0.015	7.2	7.14
1301148	1	1301165	24.5	CIRC	1000	1000	0.015	7.74	7.65
1301149	1	1308033	14.2	CIRC	600	600	0.015	7.31	7.57
1301150	1	1301148	12.2	CIRC	1000	1000	0.015	7.71	7.74
1301151	1	1301150	16.5	CIRC	1000	1000	0.01	7.79	7.71
1301152	1	1301149	19.7	CIRC	600	600	0.01	7.39	7.31
1301153	1	1301151	16.7	CIRC	1000	1000	0.015	7.84	7.79
1301154	1	1301152	25.4	CIRC	400	400	0.01	7.47	7.39
1301155	1	1301156	1.4	CIRC	300	300	0.015	8.14	8.12
1301156	1	1301153	15.4	CIRC	1000	1000	0.01	7.9	7.84
1301157	1	1301155	11.6	CIRC	400	400	0.015	8.19	8.14
1301158	1	1301157	16.7	CIRC	400	400	0.015	8.28	8.19
1301159	1	1301158	17.1	CIRC	400	400	0.015	8.39	8.28
1301160	1	1308035	1	CIRC	400	400	0.015	8.49	8.34
1301161	1	1301162	17.9	CIRC	1000	1000	0.015	8.02	7.92
1301162	1	1301163	15	CIRC	1000	1000	0.015	7.92	7.91
1301163	1	1301164	13.4	CIRC	1000	1000	0.015	7.91	7.84
1301164	1	1301156	17.6	CIRC	1000	1000	0.01	7.84	7.9
1301165	1	1301166	13.1	CIRC	1000	1000	0.01	7.65	7.6
1301166	1	1301167	15.5	CIRC	1000	1000	0.015	7.6	7.52
1301167	1	1301168	16.6	CIRC	1000	1000	0.015	7.52	7.46
1301168	1	1301169	15.3	CIRC	1000	1000	0.01	7.46	7.59
1301169	1	1305068	71	CIRC	1000	1000	0.015	7.59	7.45
1301170	1	1308849	42.3	CIRC	800	800	0.01	7.53	7.44
1301175	1	1301176	17.6	CIRC	300	300	0.015	7.25	6.89
1301176	1	1301177	13.1	CIRC	400	400	0.015	6.89	6.82
1301177	1	1301178	16.5	CIRC	400	400	0.015	6.82	6.78
1301178	1	1301179	8.3	CIRC	400	400	0.015	6.78	6.63



Anejo nº1 Datos de partida

Nodo Aguas Arriba	Sufijo	Nodo Aguas Abajo	Longitud Tramo (m)	Sección Tipo	Ancho (mm)	Alto (mm)	Manning	Cota Aguas Arriba (m)	Cota Aguas Abajo (m)
1301179	1	1305015	9.5	CIRC	400	400	0.015	6.63	6.75
1301199	1	1301154	9.4	CIRC	400	400	0.01	7.89	7.47
1301200	1	1301199	8.1	CIRC	300	300	0.01	9.08	8.76
1301201	1	1301202	13.8	CIRC	300	300	0.015	9.18	8.79
1301202	1	1301203	17.4	CIRC	300	300	0.015	8.79	8.28
1301203	1	1308035	16.6	CIRC	300	300	0.015	8.28	8.34
1301204	1	1301203	52.4	CIRC	300	300	0.015	8.65	8.93
1301205	1	1301204	41.1	CIRC	300	300	0.015	8.88	8.65
1301206	1	1308033	21.6	CIRC	300	300	0.015	9.01	7.57
1301208	1	1301201	20	CIRC	300	300	0.015	9.79	9.18
1301209	1	1301208	20.1	CIRC	300	300	0.015	10.34	10.29
1301210	1	1301205	62.1	CIRC	300	300	0.015	10.53	8.88
1301211	1	1301206	55.2	CIRC	300	300	0.015	10.55	9.01
1301212	1	1308106	13.6	CIRC	300	300	0.015	8.84	8.91
1301213	1	1308106	1.7	CIRC	400	400	0.015	8.64	8.61
1301214	1	1301215	24.4	CIRC	500	500	0.015	8.38	8.32
1301215	1	1308104	1.1	CIRC	500	500	0.015	8.32	8.34
1301216	1	1308071	1.2	CIRC	400	400	0.015	8.38	8.32
1301217	1	1308072	5.1	CIRC	1000	1000	0.015	7.92	8
1301218	1	1301212	20.1	CIRC	250	250	0.015	8.73	8.84
1301219	1	1308072	11.9	CIRC	400	400	0.01	8.36	8.27
1301220	1	1301221	19.7	CIRC	400	400	0.015	8.42	8.34
1301221	1	1308109	1.3	CIRC	400	400	0.015	8.34	8.57
1301222	1	1308036	2.5	CIRC	400	400	0.015	8.48	8.44
1301223	1	1301222	24.3	CIRC	500	500	0.015	8.4	8.48
1301224	1	1301223	24.7	CIRC	500	500	0.015	8.45	8.4
1301225	1	1301224	24.7	CIRC	400	400	0.015	8.5	8.45
1301226	1	1301225	24.8	CIRC	400	400	0.015	8.56	8.5
1301227	1	1301226	25.3	CIRC	400	400	0.015	8.63	8.56
1301228	1	1301232	24.8	CIRC	400	400	0.015	8.64	8.59
1301229	1	1301230	24.7	CIRC	500	500	0.015	8.44	8.42
1301230	1	1301214	25.3	CIRC	500	500	0.015	8.42	8.38
1301231	1	1301227	24.7	CIRC	400	400	0.015	8.63	8.63
1301232	1	1301229	25.1	CIRC	500	500	0.015	8.59	8.44
1301233	1	1301228	23.8	CIRC	400	400	0.01	8.66	8.64
1301250	1	1301231	23	CIRC	400	400	0.015	8.84	8.63
1301260	1	1301263	17.6	CIRC	400	400	0.015	9.92	9.92
1301263	1	1301264	24.1	CIRC	400	400	0.015	9.92	9.89

1301264	1	1301265	15.1	CIRC	400	400	0.015	9.89	9.86
1301265	1	1301267	22.4	CIRC	400	400	0.015	9.86	9.77
1301267	1	1301301	23.4	CIRC	400	400	0.015	9.77	9.75
1301268	1	1301309	27.2	CIRC	400	400	0.015	9.18	8.71
1301269	1	1308108	32.6	RECT	800	1100	0.015	8.32	8.37
1301270	1	1308065	2.2	CIRC	400	400	0.015	9.63	9.65
1301290	1	1301291	22.9	CIRC	400	400	0.01	9.64	9.65
1301291	1	1301293	17.8	CIRC	400	400	0.015	9.65	9.66
1301293	1	1301411	30.3	CIRC	500	500	0.015	9.66	9.49
1301297	1	608307	15	CIRC	300	300	0.01	10.12	10.02
1301301	1	1301303	19.7	CIRC	400	400	0.01	9.75	9.6
1301302	1	1301305	16.1	CIRC	400	400	0.015	9.75	9.59
1301303	1	1301306	23.1	CIRC	400	400	0.015	9.6	9.54
1301305	1	1301335	21.7	CIRC	400	400	0.015	9.59	9.31
1301306	1	1301336	9.3	CIRC	400	400	0.015	9.54	9.46
1301307	1	1301268	14.7	CIRC	300	300	0.015	9.52	9.66
1301309	1	1301311	20.1	CIRC	1000	1000	0.015	8.21	8.32
1301310	1	1301309	17.2	CIRC	1000	1000	0.015	8.27	8.21
1301311	1	1308024	5.3	RECT	700	750	0.015	8.32	8.34
1301317	1	1308024	17.6	CIRC	300	300	0.015	9.27	9.09
1301318	1	1301320	20.3	CIRC	400	400	0.015	9.14	8.99
1301319	1	1301322	16.6	CIRC	400	400	0.015	9.29	9.31
1301320	1	1301321	20.4	CIRC	400	400	0.015	8.99	8.8
1301321	1	1305022	26.8	CIRC	400	400	0.01	8.8	8.65
1301322	1	1301323	21.9	CIRC	400	400	0.01	9.31	9.29
1301323	1	1301327	26	CIRC	400	400	0.01	9.29	9.3
1301324	1	1301325	21.8	CIRC	300	300	0.015	9.86	9.65
1301325	1	1301326	21.6	CIRC	300	300	0.015	9.65	9.5
1301326	1	1301317	22.2	CIRC	300	300	0.01	9.5	9.27
1301327	1	1308030	16.4	CIRC	400	400	0.015	9.3	9.11
1301328	1	1301329	15.2	CIRC	400	400	0.015	9.24	9.09
1301329	1	1301383	19.6	CIRC	400	400	0.015	9.09	8.94
1301330	1	1301343	15.3	CIRC	400	400	0.015	9.12	8.92
1301331	1	1308030	1.9	CIRC	250	250	0.01	9.27	9.11
1301332	1	1301334	21.9	CIRC	600	600	0.015	9.09	9.46
1301333	1	1301335	25	CIRC	400	400	0.015	9.45	9.31
1301334	1	1301337	22.8	CIRC	800	800	0.015	9.46	9.47
1301335	1	1301336	4.7	CIRC	400	400	0.015	9.31	9.27
1301336	1	1301338	11.7	CIRC	400	400	0.015	9.27	9.17
1301337	1	1301339	15.1	CIRC	600	600	0.01	9.47	9.41
1301338	1	1301340	19.4	CIRC	500	500	0.01	9.17	9.05



Anejo nº1 Datos de partida

Nodo Aguas Arriba	Sufijo	Nodo Aguas Abajo	Longitud Tramo (m)	Sección Tipo	Ancho (mm)	Alto (mm)	Manning	Cota Aguas Arriba (m)	Cota Aguas Abajo (m)
1301339	1	1301341	15.5	CIRC	600	600	0.015	9.41	9.5
1301340	1	1301341	1.4	CIRC	600	600	0.01	9.05	9.04
1301341	1	1301419	6.7	CIRC	600	600	0.015	9.04	8.95
1301342	1	1301418	12.1	CIRC	600	600	0.015	9.44	9.49
1301343	1	1301344	17.7	CIRC	400	400	0.015	8.92	8.7
1301344	1	1301345	11.2	CIRC	400	400	0.015	8.7	8.6
1301345	1	1308107	4.4	CIRC	400	400	0.01	8.6	8.56
1301346	1	1301350	17.5	CIRC	800	800	0.015	8.45	8
1301347	1	1301349	19.1	CIRC	1000	1000	0.01	7.99	7.93
1301348	1	1301347	3.3	CIRC	600	600	0.015	9.09	8.33
1301349	1	1308107	1	CIRC	1000	1000	0.015	7.93	7.92
1301350	1	1301381	16.3	CIRC	800	800	0.015	8	7.84
1301351	1	1301352	13.4	CIRC	400	400	0.015	8.33	8.54
1301352	1	1308025	10.6	CIRC	500	500	0.015	8.54	8.48
1301353	1	1301351	26.6	CIRC	400	400	0.015	8.47	8.33
1301354	1	1301353	23.6	CIRC	400	400	0.015	8.66	8.47
1301355	1	1300791	8.4	CIRC	400	400	0.01	9.08	9.02
1301356	1	1301355	17.2	CIRC	400	400	0.015	9.21	9.08
1301357	1	1301405	26.1	CIRC	700	700	0.015	8.72	8.72
1301358	1	1301357	9.1	CIRC	700	700	0.015	8.8	8.72
1301359	1	1301358	3.4	CIRC	300	300	0.015	9.17	9.19
1301360	1	1301358	20.1	CIRC	800	800	0.015	8.86	8.8
1301361	1	1301360	2.7	CIRC	300	300	0.015	9.17	9.15
1301362	1	1301363	19.3	CIRC	500	500	0.01	8.87	8.77
1301363	1	1301364	21.4	CIRC	500	500	0.015	8.77	8.66
1301364	1	1301365	23.3	CIRC	500	500	0.015	8.66	8.56
1301365	1	1308025	5.4	CIRC	500	500	0.015	8.56	8.48
1301366	1	1301367	7.5	CIRC	400	400	0.015	9.18	9.14
1301367	1	1301368	5.4	CIRC	400	400	0.01	9.14	9.06
1301368	1	1301371	24.1	CIRC	400	400	0.015	8.72	8.75
1301369	1	1301368	7.6	CIRC	400	400	0.015	9.07	8.72
1301370	1	1301369	8.7	CIRC	400	400	0.015	9.11	9.07
1301371	1	1301372	3.5	CIRC	400	400	0.01	8.75	8.56
1301372	1	1301380	14.8	CIRC	400	400	0.01	8.56	8.42
1301373	1	1301374	20	CIRC	300	300	0.015	8.58	8.57
1301374	1	1301375	10.2	RECT	250	250	0.015	8.57	8.52
1301375	1	1300769	18.1	CIRC	300	300	0.015	8.52	8.39
1301377	1	1308110	14.9	CIRC	400	400	0.015	8.32	7.96

1301378	1	1301351	17.8	CIRC	400	400	0.015	8.28	8.33
1301379	1	1301378	18.2	CIRC	400	400	0.015	8.39	8.28
1301380	1	1301379	9.5	CIRC	400	400	0.015	8.42	8.39
1301381	1	1301387	23.2	CIRC	800	800	0.015	7.84	7.43
1301382	1	1308110	22.6	CIRC	1000	1000	0.015	7.98	7.96
1301383	1	1302566	27.1	CIRC	400	400	0.015	8.94	8.8
1301384	1	1301385	14.7	CIRC	400	400	0.015	8.79	8.72
1301385	1	1301386	16.3	CIRC	400	400	0.015	8.72	8.64
1301386	1	1301388	14.6	CIRC	400	400	0.015	8.64	8.59
1301387	1	1301428	22	CIRC	800	800	0.015	7.43	7.21
1301388	1	1301429	15	CIRC	1000	1000	0.01	7.96	7.69
1301389	1	1308111	12.8	CIRC	400	400	0.015	8.46	8.43
1301390	1	1308041	12.9	CIRC	400	400	0.015	8.43	8.35
1301391	1	1301393	22.2	CIRC	400	400	0.01	8.84	8.69
1301392	1	1300787	25.1	CIRC	400	400	0.015	8.32	8.25
1301393	1	1300786	17.6	CIRC	400	400	0.015	8.69	8.6
1301394	1	1308041	6.5	CIRC	300	300	0.015	8.64	8.35
1301395	1	1308111	6.4	CIRC	250	250	0.015	8.68	8.43
1301396	1	1300793	7.4	CIRC	400	400	0.015	8.81	8.74
1301397	1	1301396	15.8	CIRC	400	400	0.015	9.06	8.81
1301398	1	1302575	12.5	CIRC	300	300	0.015	9.32	9.19
1301399	1	1301402	17.8	CIRC	250	250	0.015	9.51	9.58
1301400	1	1301399	10.9	CIRC	250	250	0.015	9.66	9.51
1301401	1	1301400	10	CIRC	300	300	0.015	9.73	9.66
1301402	1	1301406	10.4	CIRC	250	250	0.015	9.58	9.74
1301403	1	1301404	8.5	CIRC	500	500	0.01	8.62	8.37
1301404	1	1301415	14.7	CIRC	500	500	0.015	8.37	8.33
1301405	1	1301415	6	CIRC	700	700	0.015	8.72	8.33
1301406	1	1301403	20.7	CIRC	500	500	0.01	8.93	8.62
1301407	1	1301406	12.2	CIRC	250	250	0.015	10.01	9.75
1301408	1	1301406	36.4	CIRC	600	600	0.015	9.33	8.93
1301409	1	1301408	27.6	CIRC	600	600	0.015	9.44	9.33
1301410	1	1301409	10	CIRC	600	600	0.015	9.43	9.44
1301411	1	1301410	15.3	CIRC	600	600	0.015	9.49	9.43
1301414	1	1300793	16.7	CIRC	250	250	0.015	9.01	8.74
1301415	1	1300792	15.3	CIRC	1000	1000	0.01	8.33	8.23
1301416	1	1301421	20.9	CIRC	500	500	0.015	8.88	8.24
1301417	1	1301420	18.4	CIRC	600	600	0.015	9.54	9.69
1301418	1	1301417	12	CIRC	600	600	0.015	9.49	9.54
1301419	1	1301416	20	CIRC	500	500	0.015	8.95	8.88
1301420	1	1301426	14.9	CIRC	600	600	0.015	9.69	9.73



Anejo nº1 Datos de partida

Nodo Aguas Arriba	Sufijo	Nodo Aguas Abajo	Longitud Tramo (m)	Sección Tipo	Ancho (mm)	Alto (mm)	Manning	Cota Aguas Arriba (m)	Cota Aguas Abajo (m)
1301421	1	1301347	74.6	CIRC	1200	1200	0.015	8.24	7.99
1301422	1	1301421	15.3	CIRC	1200	1200	0.015	8.32	8.24
1301423	1	1301424	6	CIRC	400	400	0.015	9.83	9.81
1301424	1	1301425	15	CIRC	400	400	0.015	9.81	9.76
1301425	1	1308108	9.8	CIRC	400	400	0.015	9.76	9.73
1301426	1	1301425	13	CIRC	400	400	0.01	9.73	9.76
1301427	1	1301382	12.1	CIRC	1000	1000	0.015	7.86	7.98
1301428	1	1302567	10.2	CIRC	800	800	0.015	7.21	7.34
1301429	1	1301217	14.1	CIRC	1000	1000	0.015	7.69	7.92
1301430	1	1308065	14.1	CIRC	200	200	0.01	9.66	9.65
1301431	2	1300994	16.4	CIRC	800	800	0.015	6.46	6.36
1301432	1	1301456	16.9	CIRC	600	600	0.015	6.6	6.59
1301433	1	1301432	21.2	CIRC	400	400	0.015	6.86	6.6
1301434	1	1301433	17.8	CIRC	400	400	0.01	7.06	6.86
1301435	1	1301434	17.4	CIRC	400	400	0.01	7.23	7.06
1301436	1	1301435	18.5	CIRC	400	400	0.015	7.49	7.23
1301437	1	1301436	18.1	CIRC	400	400	0.015	7.73	7.49
1301438	1	1301440	22.2	CIRC	400	400	0.01	7.91	7.44
1301440	1	1301441	18.5	CIRC	400	400	0.015	7.44	7.07
1301441	1	1301442	17.2	CIRC	400	400	0.015	7.07	6.44
1301442	1	1301528	19.2	CIRC	800	800	0.015	6.44	6.67
1301443	1	1301528	14.5	CIRC	400	400	0.015	7.04	6.67
1301444	1	1301443	19.3	CIRC	400	400	0.015	7.36	7.04
1301445	1	1301444	20.5	CIRC	400	400	0.015	7.64	7.36
1301446	1	1301447	18.1	CIRC	400	400	0.015	7.62	7.54
1301447	1	1301448	17.8	CIRC	400	400	0.015	7.54	7.26
1301448	1	1301449	18.4	CIRC	400	400	0.015	7.26	6.99
1301449	1	1301450	17.5	CIRC	400	400	0.015	6.99	6.64
1301450	1	1301432	16.6	CIRC	600	600	0.01	6.64	6.6
1301451	1	1301452	20.1	CIRC	400	400	0.01	7.28	6.89
1301452	1	1300995	18.9	CIRC	400	400	0.015	6.89	6.46
1301453	1	1300995	9.7	CIRC	400	400	0.015	6.57	6.46
1301454	1	1301450	21.4	CIRC	500	500	0.015	7.03	6.64
1301455	1	1301454	23.5	CIRC	500	500	0.015	7.09	7.03
1301456	2	1301431	19.8	CIRC	800	800	0.015	6.59	6.46
1301459	1	1308021	6.8	CIRC	500	500	0.015	7.24	7.16
1301460	1	1301459	19.7	CIRC	500	500	0.015	7.35	7.24
1301461	1	1301460	16	CIRC	500	500	0.015	7.46	7.35

1301462	1	1301461	21	CIRC	500	500	0.015	7.61	7.46
1301463	1	1301462	19.7	CIRC	500	500	0.015	7.63	7.61
1301465	1	1302704	21.7	CIRC	500	500	0.015	8.12	7.95
1301467	2	1301468	18.9	CIRC	800	800	0.015	6.81	6.85
1301468	2	1308026	16.6	CIRC	800	800	0.015	6.85	6.9
1301469	2	1301470	19.6	CIRC	800	800	0.01	6.87	6.71
1301470	1	1301456	19.2	CIRC	800	800	0.015	6.71	6.59
1301471	1	1301442	19.1	CIRC	600	600	0.015	6.94	6.44
1301472	1	1301471	20	CIRC	600	600	0.015	6.94	6.94
1301473	1	1301472	19.1	CIRC	400	400	0.01	7.05	6.94
1301474	1	1301473	20	CIRC	400	400	0.015	7.23	7.05
1301475	1	1301474	20.2	CIRC	400	400	0.015	7.39	7.23
1301476	1	1301475	20.1	CIRC	400	400	0.015	7.5	7.39
1301477	1	1301476	20	CIRC	400	400	0.01	7.66	7.5
1301478	1	1301477	19.9	CIRC	400	400	0.015	7.86	7.66
1301479	1	1301478	20	CIRC	400	400	0.015	7.97	7.86
1301480	1	1301479	20	CIRC	400	400	0.015	8.1	7.97
1301482	1	1301556	4.7	CIRC	400	400	0.015	7.44	7.94
1301483	1	1301484	19.9	CIRC	400	400	0.015	8.02	7.9
1301484	1	1301486	20.2	CIRC	400	400	0.015	7.9	7.81
1301485	1	1301482	22.8	CIRC	400	400	0.015	8.18	7.44
1301486	1	1301487	20.1	CIRC	400	400	0.015	7.81	7.62
1301487	1	1301488	20	CIRC	400	400	0.015	7.62	7.5
1301488	1	1301489	20	CIRC	400	400	0.015	7.5	7.37
1301489	1	1301490	20	CIRC	400	400	0.015	7.37	7.21
1301490	1	1301491	19.9	CIRC	400	400	0.015	7.21	7.12
1301491	1	1301492	19.9	CIRC	400	400	0.015	7.12	6.96
1301492	1	1301472	16.5	CIRC	500	500	0.015	6.96	6.94
1301493	1	1301494	20.9	CIRC	1000	1000	0.015	8.14	8.06
1301494	1	1302715	27.4	CIRC	1000	1000	0.015	8.06	7.98
1301495	1	1301492	20.3	CIRC	500	500	0.015	7.25	7.19
1301496	1	1301493	35.7	CIRC	1000	1000	0.015	8.1	8.14
1301497	1	1301495	19.5	CIRC	400	400	0.01	7.1	7.25
1301498	1	1301496	20.6	CIRC	900	900	0.015	8.26	8.1
1301499	1	1301498	20.2	CIRC	900	900	0.015	8.33	8.26
1301500	1	1301497	19.9	CIRC	400	400	0.015	7.34	7.1
1301501	1	1301500	20.3	CIRC	400	400	0.015	7.42	7.34
1301502	1	1301499	20.4	CIRC	900	900	0.01	8.53	8.33
1301503	1	1301501	19.4	CIRC	400	400	0.015	7.5	7.42
1301504	1	1301502	15.4	RECT	830	870	0.015	8.52	8.53
1301505	1	1301503	20.8	CIRC	400	400	0.015	7.51	7.5



Anejo nº1 Datos de partida

Nodo Aguas Arriba	Sufijo	Nodo Aguas Abajo	Longitud Tramo (m)	Sección Tipo	Ancho (mm)	Alto (mm)	Manning	Cota Aguas Arriba (m)	Cota Aguas Abajo (m)
1301506	1	1301505	12.1	CIRC	400	400	0.015	7.65	7.58
1301507	1	1301504	25.4	RECT	800	600	0.015	8.62	8.52
1301509	1	1301510	9.1	CIRC	400	400	0.015	7.52	7.35
1301510	1	1301511	20.5	CIRC	400	400	0.015	7.35	7.28
1301511	1	1301512	21.6	CIRC	400	400	0.015	7.28	7.14
1301512	1	1301606	19.8	CIRC	400	400	0.015	7.14	6.96
1301513	1	1301439	20.8	CIRC	1000	1000	0.015	7.89	7.6
1301514	1	1301471	19.4	CIRC	500	500	0.015	7.42	7.38
1301515	1	1301514	19.7	CIRC	500	500	0.01	7.54	7.42
1301516	1	1301515	20.5	CIRC	500	500	0.015	7.67	7.54
1301517	1	1301516	19.1	CIRC	500	500	0.015	7.78	7.67
1301518	1	1301517	19.8	CIRC	500	500	0.015	8.07	7.78
1301519	1	1301518	21.1	CIRC	400	400	0.01	8.38	8.07
1301522	1	1301545	10.5	CIRC	800	800	0.015	6.55	6.45
1301523	1	1301522	16.6	CIRC	400	400	0.015	7.37	6.89
1301524	1	1301523	16.1	CIRC	400	400	0.01	7.74	7.37
1301525	1	1301524	10.5	CIRC	400	400	0.015	7.7	7.74
1301526	1	1301522	19.6	CIRC	800	800	0.015	6.61	6.55
1301527	1	1301526	19.8	CIRC	800	800	0.015	6.62	6.61
1301528	1	1301527	19.6	CIRC	800	800	0.015	6.67	6.62
1301529	1	1301530	7.2	CIRC	500	500	0.015	8.55	8.54
1301530	1	1301531	4	CIRC	500	500	0.015	8.54	8.53
1301531	1	1301532	9.9	CIRC	500	500	0.015	8.53	8.5
1301532	1	1301533	17.5	CIRC	500	500	0.015	8.5	8.22
1301533	1	1301534	13.2	CIRC	600	600	0.015	8.22	8.15
1301534	1	1301535	16.3	CIRC	600	600	0.015	8.15	8.05
1301535	1	1301543	15	CIRC	800	800	0.015	7.91	7.89
1301536	1	1301535	9.2	CIRC	800	800	0.015	7.99	7.91
1301537	1	1301538	20.3	CIRC	400	400	0.01	7.09	6.65
1301538	1	1301539	19.8	CIRC	400	400	0.015	6.65	6.25
1301539	1	1301540	25.7	CIRC	500	500	0.015	6.25	6.3
1301541	1	1301540	20.8	CIRC	800	800	0.015	6.33	6.3
1301542	1	1301541	20.8	CIRC	800	800	0.015	6.25	6.33
1301543	1	1301840	3.5	CIRC	800	800	0.01	7.89	7.86
1301544	1	1301840	10.3	CIRC	800	800	0.015	6.39	6.33
1301545	1	1301544	14.2	CIRC	800	800	0.01	6.45	6.39
1301546	1	1308464	12.3	CIRC	400	400	0.015	8.5	8.35
1301547	1	1301548	19.5	CIRC	400	400	0.015	8.21	8.07

1301548	1	1301437	10.8	CIRC	400	400	0.015	8.07	7.73
1301549	1	1301519	13.3	CIRC	500	500	0.01	8.22	8.38
1301550	1	1301549	8	CIRC	600	600	0.015	8.36	8.22
1301552	1	1301550	32	CIRC	400	400	0.015	8.75	8.36
1301553	1	1301552	9.1	CIRC	400	400	0.01	8.9	8.75
1301556	1	1308008	2	CIRC	400	400	0.015	7.94	7.912
1301557	1	1308008	36.2	CIRC	400	400	0.01	7.8	7.912
1301559	1	608097	4.8	CIRC	400	400	0.015	9.02	8.93
1301560	1	1301561	8.9	RECT	400	400	0.015	9.03	9.03
1301561	1	1301570	11.3	RECT	400	400	0.015	9.03	9.05
1301562	1	1301566	6.9	CIRC	500	500	0.015	8.35	8.34
1301563	1	1301564	11.1	CIRC	400	400	0.01	8.32	8.55
1301564	1	1301565	3.8	CIRC	400	400	0.015	8.44	8.41
1301565	1	1301566	2.9	CIRC	500	500	0.01	8.41	8.34
1301566	1	1301568	12.4	CIRC	600	600	0.015	7.76	7.49
1301568	1	1308054	3	EGG	600	1000	0.015	7.49	7.465
1301569	1	608055	3.3	EGG	600	1000	0.015	7.55	7.544
1301570	1	1301571	25.6	RECT	400	400	0.015	9.05	9.02
1301571	1	1301572	20.6	RECT	500	500	0.015	9.02	8.89
1301572	1	1301573	19.3	RECT	500	500	0.015	8.89	8.81
1301573	1	1301574	25.5	RECT	500	500	0.015	8.81	8.78
1301574	1	1301575	1	CIRC	300	300	0.015	8.78	8.75
1301575	1	1308049	12.6	CIRC	300	300	0.015	8.15	7.539
1301576	1	1301577	63.9	EGG	600	1000	0.015	7.54	7.4
1301577	1	1308116	52.4	EGG	600	1000	0.015	7.4	7.539
1301578	1	1301579	22	RECT	450	500	0.015	9.16	9.14
1301579	1	1301580	22.3	RECT	450	500	0.015	9.14	9.06
1301580	1	1301581	22.2	RECT	450	500	0.015	9.06	9
1301581	1	1301582	12.8	RECT	450	500	0.015	9	8.94
1301582	1	1301584	1	RECT	450	550	0.015	8.94	8.44
1301584	1	1301576	11.4	CIRC	300	300	0.015	8.44	8.01
1301585	1	1301586	21.1	CIRC	400	400	0.015	9.33	9.22
1301586	1	1301587	19.9	CIRC	400	400	0.01	9.22	9.09
1301587	1	1301588	20.8	CIRC	400	400	0.015	9.09	9.05
1301588	1	1301589	20.7	CIRC	400	400	0.01	9.05	8.92
1301589	1	1301590	20.8	CIRC	400	400	0.015	8.92	8.7
1301590	1	1301591	6.2	CIRC	400	400	0.01	8.7	8.48
1301591	1	1308048	12.9	CIRC	400	400	0.015	8.48	8.02
1301592	1	1301507	29.4	CIRC	800	800	0.01	8.57	8.62
1301595	1	1301596	22	RECT	500	400	0.015	9.09	9.06
1301596	1	1301597	22.3	RECT	500	400	0.015	9.06	9.05



Anejo nº1 Datos de partida

Nodo Aguas Arriba	Sufijo	Nodo Aguas Abajo	Longitud Tramo (m)	Sección Tipo	Ancho (mm)	Alto (mm)	Manning	Cota Aguas Arriba (m)	Cota Aguas Abajo (m)
1301597	1	1301598	21.9	RECT	500	400	0.01	9.05	9
1301598	1	1301599	22.2	RECT	500	500	0.015	9	9
1301599	1	1301600	19.1	RECT	500	500	0.015	9	8.99
1301600	1	1301601	1	RECT	300	300	0.015	8.99	8.48
1301601	1	1301602	12.2	CIRC	300	300	0.01	8.48	7.82
1301602	1	1301603	39.3	EGG	600	1000	0.015	7.82	7.72
1301603	1	1301604	39.1	EGG	600	1000	0.01	7.72	7.62
1301604	1	1301605	39.1	EGG	600	1000	0.015	7.62	7.52
1301605	1	1308048	1	EGG	600	1000	0.01	7.52	7.521
1301606	1	1301607	21	CIRC	400	400	0.01	6.96	6.91
1301607	2	1301467	27.4	CIRC	800	800	0.01	6.91	6.81
1301608	2	1301607	11.9	CIRC	500	500	0.015	7.01	6.91
1301609	2	1301608	21.5	CIRC	400	400	0.01	7.07	7.01
1301610	2	1301609	10	CIRC	400	400	0.015	7.2	7.21
1301611	2	1301610	11.4	CIRC	400	400	0.015	7.25	7.2
1301612	2	1301611	11.7	CIRC	400	400	0.015	7.33	7.25
1301613	1	1301612	13.7	CIRC	400	400	0.01	7.38	7.33
1301614	1	1301613	11.1	CIRC	400	400	0.015	7.43	7.38
1301615	1	1301673	19.9	CIRC	400	400	0.015	7.45	7.3
1301616	1	1301615	19.7	CIRC	400	400	0.015	7.61	7.45
1301617	1	1301618	10.6	CIRC	400	400	0.01	7.35	7.3
1301618	1	1301619	13.1	CIRC	400	400	0.015	7.3	7.25
1301619	1	1301620	12.5	CIRC	400	400	0.015	7.25	7.17
1301620	1	1301621	10.8	CIRC	400	400	0.015	7.17	7.22
1301621	1	1301609	9.6	CIRC	400	400	0.015	7.22	7.21
1301622	1	1301608	9.9	CIRC	500	500	0.015	7.14	7.01
1301623	1	1308021	20.6	CIRC	600	600	0.01	8.01	7.94
1301624	1	1301512	21.9	CIRC	400	400	0.015	7.33	7.14
1301625	1	1301624	10.1	CIRC	400	400	0.015	7.37	7.33
1301626	1	1301625	8.1	CIRC	400	400	0.015	7.39	7.37
1301627	1	1301626	11	CIRC	400	400	0.015	7.42	7.39
1301628	1	1301627	9.6	CIRC	400	400	0.015	7.43	7.42
1301629	1	1301628	8.9	CIRC	400	400	0.015	7.46	7.43
1301630	1	1301629	10.4	CIRC	400	400	0.01	7.53	7.46
1301631	1	1301630	9	CIRC	400	400	0.015	7.59	7.53
1301632	1	1301631	18	CIRC	400	400	0.015	7.68	7.59
1301633	1	1301644	20.8	CIRC	400	400	0.015	8.44	8.35
1301634	1	1301633	18.7	CIRC	400	400	0.015	8.52	8.44

1301635	1	1301634	17	CIRC	400	400	0.015	8.52	8.52
1301636	1	1301463	22.9	CIRC	500	500	0.015	7.76	7.63
1301637	1	1301636	18.9	CIRC	500	500	0.015	8.43	8.29
1301638	1	1301637	18.5	CIRC	500	500	0.01	8.52	8.43
1301639	1	1301638	19.4	CIRC	500	500	0.015	8.54	8.52
1301640	1	1301639	18.8	CIRC	400	400	0.015	8.67	8.54
1301641	1	1301640	15	CIRC	400	400	0.015	8.79	8.67
1301642	1	1301641	15.7	CIRC	400	400	0.015	8.93	8.79
1301644	1	1308212	8	CIRC	400	400	0.015	8.35	8.33
1301645	1	1301648	14.4	CIRC	400	400	0.015	8.19	8.11
1301646	1	1301645	20.1	CIRC	400	400	0.015	8.41	8.19
1301647	1	1301646	18.6	CIRC	400	400	0.015	8.58	8.41
1301648	1	1301649	13.5	CIRC	400	400	0.015	8.11	8.1
1301649	1	1301650	16.1	CIRC	400	400	0.015	8.1	8.05
1301650	1	1301651	16	CIRC	400	400	0.015	8.05	8.01
1301651	1	1301652	10.2	CIRC	400	400	0.015	8.01	7.95
1301652	1	1301653	15.9	CIRC	400	400	0.015	7.95	7.87
1301653	1	1301509	19.1	CIRC	400	400	0.015	7.87	7.77
1301654	1	1301655	20.9	CIRC	400	400	0.015	7.63	7.59
1301655	1	1301656	12.9	CIRC	400	400	0.015	7.59	7.41
1301656	1	1301665	14.6	CIRC	400	400	0.015	7.41	7.42
1301657	1	1301656	10.7	CIRC	400	400	0.015	7.54	7.46
1301658	1	1301657	16.8	CIRC	400	400	0.015	7.7	7.54
1301659	1	1301658	19.8	CIRC	400	400	0.015	7.83	7.7
1301660	1	1301659	11.9	CIRC	400	400	0.015	7.93	7.83
1301661	1	1308096	7.6	CIRC	400	400	0.01	8.03	7.97
1301662	1	1301663	12	CIRC	400	400	0.015	7.97	7.88
1301663	1	1301664	16.6	CIRC	400	400	0.015	7.88	7.77
1301664	1	1301654	20.6	CIRC	400	400	0.015	7.77	7.63
1301665	1	1301666	19.5	CIRC	400	400	0.01	7.42	7.34
1301666	1	1301667	20.5	CIRC	400	400	0.01	7.34	7.23
1301667	1	1301609	19.6	CIRC	400	400	0.015	7.23	7.07
1301668	1	1301609	18.7	CIRC	400	400	0.015	7.24	7.07
1301669	1	1301668	19.1	CIRC	400	400	0.015	7.55	7.24
1301670	1	1301669	8.4	CIRC	400	400	0.015	7.67	7.55
1301671	1	1308096	29.8	CIRC	250	250	0.015	8.98	7.97
1301672	1	1301616	20.2	CIRC	400	400	0.01	7.81	7.61
1301673	1	1301674	20	CIRC	400	400	0.01	7.3	7.13
1301674	1	1308094	18.8	CIRC	400	400	0.015	7.13	6.82
1301677	1	1308094	1.8	CIRC	600	600	0.015	6.68	6.82
1301679	1	1301677	18.3	CIRC	600	600	0.015	6.91	6.68



Anejo nº1 Datos de partida

Nodo Aguas Arriba	Sufijo	Nodo Aguas Abajo	Longitud Tramo (m)	Sección Tipo	Ancho (mm)	Alto (mm)	Manning	Cota Aguas Arriba (m)	Cota Aguas Abajo (m)
1301682	1	1301679	18.4	CIRC	600	600	0.015	7.1	6.91
1301684	1	1308026	33.3	CIRC	600	600	0.015	7.33	6.9
1301686	1	1301694	16.3	CIRC	800	800	0.015	7.32	7.1
1301690	1	1301691	11.4	CIRC	800	800	0.015	7.09	7.04
1301691	1	1301456	33.5	CIRC	800	800	0.015	7.04	6.59
1301693	1	1301690	26	CIRC	800	800	0.015	7.08	7.09
1301694	1	1301693	16.1	CIRC	800	800	0.015	7.1	7.08
1301710	1	1301711	9.4	CIRC	400	400	0.015	8	7.95
1301711	1	1301712	6.6	CIRC	400	400	0.015	7.95	7.82
1301712	1	1301713	5.2	CIRC	400	400	0.015	7.82	7.84
1301713	1	1308054	33	CIRC	400	400	0.015	7.84	7.465
1301820	1	1301830	18.6	CIRC	400	400	0.015	6.51	6.47
1301821	1	1301820	19.5	CIRC	400	400	0.015	6.63	6.51
1301822	1	1301821	19.9	CIRC	400	400	0.015	6.67	6.63
1301823	1	1301822	19.5	CIRC	400	400	0.015	6.75	6.67
1301824	1	1301823	23.1	CIRC	400	400	0.015	6.87	6.75
1301825	1	1301824	17.1	CIRC	400	400	0.015	6.98	6.87
1301826	1	1301825	20.5	CIRC	400	400	0.015	7.09	6.98
1301827	1	1301826	20.4	CIRC	400	400	0.01	7.19	7.09
1301828	1	1301827	19.6	CIRC	400	400	0.015	7.32	7.19
1301829	1	1301828	19	CIRC	400	400	0.015	7.43	7.32
1301830	1	1301831	20.1	CIRC	400	400	0.015	6.47	6.37
1301831	1	1301832	19.4	CIRC	400	400	0.015	6.37	6.3
1301832	1	1301539	12.9	CIRC	400	400	0.015	6.3	6.25
1301836	1	1301839	14.5	CIRC	300	300	0.015	8.44	8.19
1301837	1	1301536	11.6	CIRC	800	800	0.015	7.98	7.99
1301838	1	1301837	12.1	CIRC	800	800	0.015	8.11	7.98
1301839	1	1301838	12.5	CIRC	800	800	0.015	8.19	8.11
1301840	1	1301542	20.7	CIRC	800	800	0.01	6.33	6.32
1301841	1	1301842	8.4	CIRC	800	800	0.015	7.86	7.81
1301842	1	1301843	11.1	CIRC	800	800	0.01	7.81	7.75
1301843	1	1301844	8.1	CIRC	800	800	0.015	7.75	7.69
1301846	1	1301848	20.2	CIRC	400	400	0.015	7.29	7.16
1301847	1	1301846	17.4	CIRC	400	400	0.01	7.36	7.29
1301848	1	1308098	4.6	CIRC	400	400	0.015	7.16	7.13
1301849	1	1301850	11.7	CIRC	400	400	0.015	6.88	6.85
1301850	1	1301851	15.7	CIRC	400	400	0.015	6.85	6.51
1301851	1	1301852	13	CIRC	400	400	0.015	6.51	6.52

1301852	1	1308459	6.8	CIRC	400	400	0.015	6.52	6.44
1301853	1	1301862	12	RECT	1000	1000	0.015	6.91	6.75
1301854	1	1308098	3.8	CIRC	250	250	0.015	8.09	7.13
1301855	1	1301859	21.4	CIRC	400	400	0.015	7.92	7.72
1301856	1	1301453	30.3	CIRC	400	400	0.015	6.76	6.57
1301857	1	1301856	21.6	CIRC	400	400	0.015	7.14	6.76
1301858	1	1301857	28.2	CIRC	400	400	0.015	7.43	7.14
1301859	1	1301858	18.8	CIRC	400	400	0.015	7.72	7.43
1301860	1	1301001	20.8	CIRC	400	400	0.015	6.38	6.15
1301861	1	1301860	19.9	CIRC	400	400	0.015	6.55	6.38
1301862	1	1301861	5.3	RECT	1000	1000	0.01	6.75	6.55
1301863	1	1301861	20.5	CIRC	400	400	0.01	6.66	6.55
1301864	1	1301863	19.9	CIRC	400	400	0.015	6.89	6.66
1301865	1	1301864	19.8	CIRC	400	400	0.015	7	6.89
1301866	1	1301865	20.9	CIRC	400	400	0.015	7.12	7
1302564	1	1301200	18.2	CIRC	300	300	0.015	9.8	9.08
1302566	1	1301213	18.9	CIRC	400	400	0.015	8.8	8.64
1302567	1	1300770	14.3	CIRC	800	800	0.015	7.34	6.97
1302568	1	1300720	83.1	CIRC	400	400	0.015	8.236	8.02
1302572	1	1300750	11.4	CIRC	1000	1000	0.015	6.61	6.56
1302574	1	1301414	16.5	CIRC	250	250	0.015	9.25	9.01
1302575	1	1301397	13.9	CIRC	400	400	0.015	9.19	9.06
1302607	1	1308032	1.4	CIRC	600	600	0.015	7.14	7.27
1302611	1	1301100	9.8	CIRC	400	400	0.015	7.69	7.66
1302612	1	1302613	12.4	CIRC	400	400	0.015	7.76	7.72
1302613	1	1302611	11.7	CIRC	400	400	0.015	7.72	7.69
1302615	1	1301116	3.8	CIRC	500	500	0.015	7.08	7.05
1302641	1	1301519	16.3	CIRC	400	400	0.015	8.55	8.38
1302644	1	1300984	14.4	CIRC	300	300	0.015	7.47	7.34
1302645	1	1300972	29.8	CIRC	900	900	0.015	6.52	6.41
1302674	1	1300940	20.6	CIRC	800	800	0.01	6.27	6.3
1302700	1	1300683	19.8	CIRC	800	800	0.015	8.82	8.72
1302702	1	1308007	16.3	CIRC	600	600	0.015	8.42	8.404
1302703	1	1308080	12	CIRC	300	300	0.015	8.43	8.3
1302704	1	1301636	22.8	CIRC	500	500	0.015	7.95	7.76
1302705	1	1300851	15.5	CIRC	800	800	0.015	7.06	7.01
1302706	1	1300822	14	CIRC	800	800	0.015	7.21	7.2
1302708	1	1301686	6.8	CIRC	800	800	0.015	7.3	7.32
1302713	1	1301623	20.1	CIRC	600	600	0.015	8.08	8.01
1302714	1	1301510	12.9	CIRC	400	400	0.015	7.54	7.35
1302715	1	1301513	6.7	RECT	900	900	0.015	7.98	7.89



Anejo nº1 Datos de partida

Nodo Aguas Arriba	Sufijo	Nodo Aguas Abajo	Longitud Tramo (m)	Sección Tipo	Ancho (mm)	Alto (mm)	Manning	Cota Aguas Arriba (m)	Cota Aguas Abajo (m)
1302717	1	1300914	46	CIRC	500	500	0.01	7.37	7.27
1302718	1	1308005	6.7	CIRC	400	400	0.015	6.6	5.69
1302720	1	1308028	24.2	CIRC	300	300	0.015	7.01	6.13
1302723	1	1300917	2.5	RECT	700	1150	0.01	5.94	5.86
1302724	1	1308028	46.1	CIRC	600	600	0.015	7.23	6.13
1302725	1	1308119	16.9	CIRC	1000	1000	0.015	5.81	5.92
1302726	1	1302725	17.8	CIRC	1000	1000	0.015	5.93	5.81
1302727	1	1308042	3.2	CIRC	1000	1000	0.015	5.98	5.97
1302728	1	1302727	20.8	CIRC	1000	1000	0.015	5.99	5.98
1302729	1	1308042	30.9	RECT	800	1250	0.01	5.97	5.97
1302730	1	1305015	21.1	CIRC	400	400	0.015	6.96	6.75
1302731	1	1302730	12.8	CIRC	400	400	0.015	7.15	6.95
1302732	1	1308034	2	CIRC	1000	1000	0.015	6.12	6.13
1302733	1	1302732	19.5	CIRC	1000	1000	0.015	6.1	6.12
1302734	1	1302733	23.7	CIRC	1000	1000	0.015	6.09	6.1
1302735	1	1302734	22.1	CIRC	1000	1000	0.015	6.2	6.09
1302736	1	1308044	12.2	CIRC	1000	1000	0.015	6.21	6.25
1302737	1	1302736	21.7	CIRC	1000	1000	0.015	6.2	6.21
1305002	1	1301557	5.7	CIRC	400	400	0.015	7.95	7.8
1305009	1	1302615	19	CIRC	400	400	0.015	7.32	7.34
1305013	1	1305014	20	CIRC	400	400	0.015	7.41	7.32
1305014	1	1302731	17.6	CIRC	400	400	0.015	7.32	7.15
1305015	1	1302729	9.1	CIRC	400	400	0.015	6.75	6.45
1305022	1	1301232	11.2	CIRC	400	400	0.015	8.65	8.59
1305024	1	1308032	7.1	CIRC	400	400	0.015	7.43	7.27
1305025	1	1305026	6.2	RECT	1800	800	0.015	9.12	9.05
1305026	1	1300674	22.9	RECT	1800	1250	0.01	9.05	8.78
1305027	1	1300705	14.3	RECT	1800	900	0.01	8.65	8.71
1305068	1	1305069	16.1	CIRC	1000	1000	0.015	7.45	7.39
1305069	1	1301136	25.2	CIRC	1000	1000	0.01	7.39	7.58
1306010	1	1301559	9.8	CIRC	400	400	0.015	9.08	9.02
1306014	1	608439	13.8	RECT	1000	1400	0.01	9.05	9.04
1308002	1	1300726	3.1	CIRC	600	600	0.015	8.87	7.9
1308005	1	1308053	87.1	CIRC	1500	1500	0.015	5.69	5.44
1308007	1	1300730	49.7	CIRC	400	400	0.015	7.933	7.65
1308008	1	1308116	27.2	CIRC	400	400	0.015	7.912	7.54
1308021	1	1301622	1.7	CIRC	500	500	0.015	7.16	7.15
1308024	1	1301312	1	RECT	700	750	0.015	8.34	8.34

1308025	1	1301346	5.3	CIRC	500	500	0.015	8.48	8.45
1308026	1	1301469	2.9	CIRC	800	800	0.015	6.9	6.87
1308028	1	1308119	5.8	CIRC	300	300	0.01	6.13	5.92
1308030	1	1301332	2.2	CIRC	400	400	0.015	9.11	9.09
1308032	1	1301146	7.1	CIRC	600	600	0.015	7.27	7.11
1308033	1	1301147	5.6	CIRC	600	600	0.01	7.57	7.2
1308034	1	1302728	32.3	CIRC	1000	1000	0.015	6.13	5.99
1308035	1	1301159	16.4	CIRC	400	400	0.015	8.34	8.39
1308036	1	1301161	26.9	CIRC	1000	1000	0.01	8.44	8.02
1308040	1	1300802	19.2	CIRC	400	400	0.015	7.74	7.44
1308041	1	1301392	4.6	CIRC	400	400	0.015	8.35	8.32
1308042	1	1302726	18.3	CIRC	1000	1000	0.015	5.97	5.93
1308044	1	1302735	12.6	CIRC	1000	1000	0.01	6.25	6.2
1308048	1	608056	10.8	EGG	600	1000	0.01	7.521	7.529
1308049	1	1301576	1	EGG	600	1000	0.015	7.539	7.54
1308050	1	1308002	14.5	CIRC	600	600	0.01	9.145	8.87
1308051	1	1308007	1.3	CIRC	400	400	0.015	7.94	7.933
1308054	1	1208918	12.4	EGG	600	1000	0.015	7.465	7.375
1308065	1	1301290	11.4	CIRC	400	400	0.015	9.65	9.64
1308071	1	1308104	1	CIRC	1000	1000	0.015	8.32	8.34
1308072	1	1308071	13.8	CIRC	1000	1000	0.01	8	8.32
1308073	1	1300798	21.2	CIRC	1000	1000	0.01	6.48	6.39
1308074	1	1300873	4.2	CIRC	400	400	0.015	7.53	7.52
1308075	1	1300863	11.5	CIRC	700	700	0.015	7.29	7.28
1308080	1	1300738	52.5	EGG	600	1000	0.015	7.73	7.99
1308094	1	1301676	18.6	CIRC	600	600	0.015	6.82	6.52
1308096	1	1301660	4.1	CIRC	400	400	0.015	7.97	7.93
1308098	1	1301849	15.6	CIRC	400	400	0.015	7.13	6.88
1308104	1	1308109	18.2	CIRC	1000	1000	0.01	8.34	8.57
1308106	1	1301214	14.7	CIRC	400	400	0.015	8.61	8.58
1308107	1	1301427	7.3	CIRC	1000	1000	0.015	7.92	7.86
1308108	1	1301422	14.4	RECT	800	1100	0.015	8.37	8.32
1308109	1	1308036	8	CIRC	1000	1000	0.015	8.57	8.44
1308110	1	1301388	2.5	CIRC	1000	1000	0.015	7.96	7.96
1308111	1	1301390	1.7	CIRC	400	400	0.01	8.43	8.44
1308116	1	1301569	4.2	EGG	600	1000	0.015	7.539	7.55
1308119	1	1302723	2.3	CIRC	1000	1000	0.015	5.92	5.94
1308211	1	1301119	1.9	CIRC	300	300	0.01	7.37	7.22
1308212	1	1301645	12.7	CIRC	400	400	0.015	8.33	8.26
1308381	1	1308383	9.2	CIRC	250	250	0.015	8.79	8.8
1308382	1	1301389	6.5	CIRC	300	300	0.015	8.77	8.67



Anejo nº1 Datos de partida

Nodo Aguas Arriba	Sufijo	Nodo Aguas Abajo	Longitud Tramo (m)	Sección Tipo	Ancho (mm)	Alto (mm)	Manning	Cota Aguas Arriba (m)	Cota Aguas Abajo (m)
1308383	1	1308382	7.9	CIRC	300	300	0.015	8.8	8.77
1308457	1	1300857	77	RECT	1250	800	0.015	7.9	7.43
1308458	1	1300997	28.1	CIRC	1000	1000	0.015	6.92	6.7
1308459	1	1300998	11.2	CIRC	400	400	0.015	6.44	6.32
1308460	1	1301853	16.6	CIRC	1000	1000	0.015	7.03	6.91
1308464	1	1301547	7.7	CIRC	400	400	0.015	8.35	8.21
1308559	1	1308560	23.9	CIRC	500	500	0.015	7.68	7.62
1308560	1	1308561	23.8	CIRC	500	500	0.015	7.62	7.56
1308561	1	1308562	23.9	CIRC	500	500	0.015	7.56	7.5
1308562	1	1308563	23.8	CIRC	600	600	0.01	7.4	7.34
1308563	1	1308564	23.8	CIRC	600	600	0.015	7.34	7.28
1308564	1	1308565	23.8	CIRC	600	600	0.015	7.28	7.22
1308565	1	1308566	23.8	CIRC	600	600	0.015	7.22	7.16
1308566	1	1308567	23.8	CIRC	600	600	0.015	7.16	7.1
1308567	1	1308568	23.9	CIRC	700	700	0.015	7.1	7.04
1308568	1	1308569	23.8	CIRC	700	700	0.01	7.04	6.98
1308569	1	1308570	24.1	CIRC	700	700	0.01	6.98	6.92
1308570	1	1308571	15.4	CIRC	700	700	0.01	6.92	6.89
1308571	1	1308572	26.3	CIRC	700	700	0.01	6.89	6.84
1308572	1	1308573	26.3	CIRC	700	700	0.015	6.84	6.8
1308573	1	1308574	26.3	CIRC	700	700	0.015	6.8	6.75
1308574	1	1308575	26.3	CIRC	700	700	0.015	6.75	6.7
1308575	1	1308576	26.3	CIRC	700	700	0.015	6.7	6.65
1308576	1	1308577	35.1	CIRC	700	700	0.01	6.65	6.4
1308577	1	1308578	2.5	CIRC	700	700	0.01	6.4	6.38
1308578	1	1308781	13.6	CIRC	1000	1000	0.01	6.29	6.24
1308579	1	1308580	20.2	CIRC	500	500	0.01	7.22	7.08
1308580	1	1308581	10.6	CIRC	500	500	0.01	7.08	6.95
1308581	1	1308627	8.2	CIRC	500	500	0.01	6.95	6.89
1308582	1	1308583	26.3	CIRC	700	700	0.015	6.85	6.8
1308583	1	1308584	26.3	CIRC	700	700	0.01	6.8	6.75
1308584	1	1308585	26.3	CIRC	700	700	0.01	6.74	6.7
1308585	1	1308586	24.8	CIRC	700	700	0.01	6.7	6.65
1308586	1	1308587	6.1	CIRC	700	700	0.01	6.65	6.6
1308587	1	1308588	14.5	CIRC	700	700	0.01	6.6	6.54
1308588	1	1308578	15.9	CIRC	700	700	0.01	6.54	6.38
1308589	1	1308611	23.5	CIRC	700	700	0.01	6.84	6.74
1308590	1	1308591	26.6	CIRC	400	400	0.015	8.24	8.19

1308591	1	1308592	26.9	CIRC	400	400	0.01	8.19	8.14
1308592	1	1308593	26.7	CIRC	500	500	0.015	8.14	8.07
1308593	1	1308594	27	CIRC	500	500	0.015	8.05	8.02
1308594	1	1308595	27.4	CIRC	500	500	0.015	8.02	7.96
1308595	1	1308596	16.5	CIRC	500	500	0.015	7.96	7.9
1308596	1	1308597	22.5	CIRC	500	500	0.015	7.9	7.85
1308597	1	1308598	13	CIRC	500	500	0.015	7.85	7.81
1308598	1	1308599	26	CIRC	600	600	0.015	7.81	7.75
1308599	1	1308600	25.5	CIRC	600	600	0.015	7.75	7.69
1308600	1	1308601	25.6	CIRC	600	600	0.01	7.69	7.63
1308601	1	1308602	24.8	CIRC	600	600	0.01	7.63	7.57
1308602	1	1308603	24.4	CIRC	700	700	0.01	7.57	7.51
1308603	1	1308604	26.3	CIRC	700	700	0.01	7.51	7.45
1308604	1	1308605	25.4	CIRC	700	700	0.01	7.45	7.39
1308605	1	1308606	25.4	CIRC	700	700	0.01	7.39	7.33
1308606	1	1308607	25.4	CIRC	700	700	0.01	7.33	7.27
1308607	1	1308608	25.4	CIRC	700	700	0.01	7.27	7.22
1308608	1	1308609	25.3	CIRC	700	700	0.01	7.22	7.09
1308609	1	1308610	25.4	CIRC	700	700	0.01	7.09	6.96
1308610	1	1308589	15.8	CIRC	700	700	0.01	6.96	6.84
1308611	1	1301135	5.9	CIRC	700	700	0.01	6.74	6.71
1308612	1	1308613	6.6	CIRC	500	500	0.01	6.98	6.96
1308613	1	1308614	20.7	CIRC	500	500	0.01	6.96	6.9
1308614	1	1308589	30.2	CIRC	500	500	0.01	6.9	6.84
1308615	1	1308616	22.4	CIRC	400	400	0.01	8.26	8.11
1308616	1	1308617	22.6	CIRC	400	400	0.01	8.06	7.95
1308617	1	1308618	22.4	CIRC	400	400	0.01	7.95	7.79
1308618	1	1308619	22.3	CIRC	400	400	0.01	7.79	7.63
1308619	1	1308620	23.2	CIRC	500	500	0.01	7.63	7.47
1308620	1	1308621	28	CIRC	500	500	0.01	7.47	7.28
1308621	1	1308622	27.6	CIRC	500	500	0.01	7.28	7.08
1308622	1	1308623	28.4	CIRC	600	600	0.01	7.08	6.89
1308623	1	1308624	27.6	CIRC	600	600	0.01	6.89	6.69
1308624	1	1308625	27.8	CIRC	600	600	0.01	6.69	6.5
1308625	1	1308769	18.3	CIRC	600	600	0.01	6.5	6.37
1308627	1	1308582	36.2	CIRC	700	700	0.015	6.89	6.85
1308769	1	1308770	8.8	CIRC	1000	1000	0.01	6	5.99
1308770	1	1308771	9.2	CIRC	1000	1000	0.01	5.99	5.98
1308771	1	1308772	24.4	CIRC	1000	1000	0.01	5.98	5.96
1308772	1	1308773	22.3	CIRC	1000	1000	0.01	5.96	5.94
1308773	1	1308774	23.5	CIRC	1000	1000	0.01	5.94	5.92



Nodo Aguas Arriba	Sufijo	Nodo Aguas Abajo	Longitud Tramo (m)	Sección Tipo	Ancho (mm)	Alto (mm)	Manning	Cota Aguas Arriba (m)	Cota Aguas Abajo (m)
1308774	1	1308775	19.5	CIRC	1000	1000	0.01	5.92	5.91
1308775	1	1308776	34.4	CIRC	1000	1000	0.01	5.91	5.88
1308776	1	1308777	20.8	CIRC	1000	1000	0.015	5.88	5.86
1308777	1	1308778	21.4	CIRC	1000	1000	0.01	5.86	5.85
1308778	1	1308779	10.5	CIRC	1000	1000	0.01	5.84	5.83
1308781	1	1308782	29	CIRC	1000	1000	0.01	6.24	6.03
1308782	1	1308769	17.9	CIRC	1000	1000	0.01	6.03	5.9
1308797	1	1308044	14.8	CIRC	800	800	0.015	6.28	6.25
1308842	1	1308843	2	CIRC	1000	1000	0.015	6.31	6.3
1308843	1	1308781	8.5	CIRC	1000	1000	0.015	6.3	6.24
1308844	1	1308843	9.9	CIRC	300	300	0.015	6.64	6.55
1308848	1	1300917	37.6	CIRC	400	400	0.015	6.93	5.86
1308849	1	1308850	30.9	CIRC	800	800	0.01	7.44	7.35
1308850	1	1308851	17.6	CIRC	800	800	0.01	7.32	7.26
1308851	1	1308852	3.6	CIRC	800	800	0.01	7.26	7.32
1308852	1	1308853	31.9	CIRC	800	800	0.01	7.32	7.23
1308853	1	1308854	40	CIRC	800	800	0.01	7.23	7.12
1308854	1	1308855	12.5	CIRC	800	800	0.01	7.12	7.05
1308855	1	1308856	3.3	RECT	700	900	0.015	7.05	6.92
1308858	1	1300717	31.1	RECT	1200	900	0.015	8.64	8.5
2002072	1	2000028	25.2	RECT	1000	1700	0.015	4.8	4.3



ANEXO Nº3:
LISTADO DE CARACTERÍSTICAS DE LAS
CUENCAS EN LA SITUACIÓN ACTUAL



Anejo nº1 Datos de partida

Código Subcuenca	Pozo asociado	Área Tributaria (ha)	Pendiente (m/m)	Dimensión (m)	Área Tipo 1 (ha)	Área Tipo 2 (ha)	Área Tipo 3 (ha)	Área Tipo 4 (ha)
600078	600078	0.187	0.01	24.4	0.121	0.002		0.064
600079	600079	0.596	0.014	43.5	0.291	0.003	0.141	0.159
600080	600080	0.801	0.002	50.5	0.135		0.333	0.333
600081	600081	0.744	0.001	48.7	0.107		0.379	0.258
600082	600082	0.564	0.001	42.4	0.126		0.135	0.303
600093	600093	0.23	0.002	27	0.065	0.021	0.015	0.128
600094	600094	0.18	0.002	24	0.056	0.042	0.001	0.082
600095	600095	0.057	0.013	13.5	0.046			0.011
600096	600096	0.03	0.011	9.8	0.028			0.003
600097	600097	0.043	0.004	11.8	0.037			0.007
600098	600098	0.128	0.001	20.2	0			0.128
600099	600099	0.536	0.007	41.3	0.262			0.275
600100	600100	0.162	0.046	22.7	0.051			0.111
600101	600101	0.123	0.013	19.8	0.03			0.093
600102	600102	0.418	0.005	36.5	0.065			0.353
600103	600103	0.195	0.003	24.9	0.065			0.13
600112	600112	0.08	0	15.9	0.049	0.03	0	0
600113	600113	0.036	0.008	10.6	0.021			0.014
600114	600114	0.05	0.003	12.6	0.043			0.007
600115	600115	0.093	0.003	17.2	0.057			0.037
600117	600117	0.089	0.001	16.9	0.058	0.008		0.024
600118	600118	0.049	0.004	12.5	0.042			0.007
600119	600119	0.037	0.001	10.9	0.004			0.033
600120	600120	0.125	0.008	19.9	0.003			0.122
600121	600121	0.04	0.005	11.3	0			0.04
600122	600122	0.057	0.037	13.5	0.016			0.041
600123	600123	0.085	0.009	16.4	0.036			0.049
600124	600124	0.085	0.002	16.4	0.035	0.011		0.04
600125	600125	0.148	0.002	21.7	0.036	0.066		0.046
600126	600126	0.255	0.005	28.5	0.08	0.08		0.095
600127	600127	0.046	0.008	12.1	0.035			0.011
600128	600128	0.032	0.078	10.1	0.028			0.004
600130	600130	0.497	0	39.8	0.151		0.263	0.083
600131	600131	0.428	0.002	36.9	0.08		0.236	0.113
600132	600132	0.304	0.008	31.1	0.078		0.088	0.138
600133	600133	0.065	0.018	14.4	0.004			0.061
600134	600134	0.074	0.008	15.3	0.001			0.073
600144	600144	0.074	0.148	15.4	0.023			0.052
600145	600145	0.08	0.009	15.9	0.022			0.058

600146	600146	0.101	0.002	18	0.048			0.054
600147	600147	0.414	0.001	36.3	0.111	0.08	0.016	0.207
600148	600148	0.26	0	28.8	0.038	0.014		0.209
600149	600149	0.695	0.001	47	0.278	0.244		0.173
600154	600154	0.37	0.002	34.3	0.145			0.225
600155	600155	0.436	0.005	37.2	0.097			0.338
600156	600156	0.389	0.008	35.2	0.136			0.253
600158	600158	0.079	0.001	15.9	0.039	0.015		0.026
600159	600159	0.026	0.085	9	0.017	0.009		0
600160	600160	0.006	0.018	4.4	0.003			0.003
600161	600161	0.035	0.003	10.5	0.017			0.017
600162	600162	0.006	0.03	4.5	0.004			0.003
600164	600164	0.048	0.005	12.3	0.014	0.034	0	0
600165	600165	0.009	0.038	5.3	0.009	0	0	0
600166	600166	0.009	0.008	5.2	0.002	0.007	0	0
600167	600167	0.057	0.012	13.4	0.014	0.043	0	0
600168	600168	0.143	0.001	21.3	0.031	0.112	0	0
600169	600169	0.088	0.002	16.8	0.031	0.057	0	0
600170	600170	0.069	0.004	14.8	0.029	0.04	0	0
600173	600173	0.12	0.003	19.5	0.032	0.088	0	0
600174	600174	0.1	0.001	17.9	0.032	0.068	0	0
600175	600175	0.05	0.001	12.7	0.031	0.019	0	0
600176	600176	0.055	0.001	13.2	0.031	0.024	0	0
600177	600177	0.03	0.015	9.7	0.015	0.014	0	0
600178	600178	0.046	0	12.1	0.023	0.023	0	0
600179	600179	0.042	0.001	11.6	0.042	0	0	0
600180	600180	0.031	0.002	9.9	0.031	0	0	0
600181	600181	0.033	0.002	10.2	0.033	0	0	0
600182	600182	0.034	0.001	10.3	0.034	0	0	0
600183	600183	0.033	0	10.3	0.033	0	0	0
600184	600184	0.04	0.002	11.3	0.038	0.002	0	0
600185	600185	0.041	0	11.4	0.036	0.004	0	0
600186	600186	0.03	0.002	9.8	0.03	0	0	0
600187	600187	0.034	0.002	10.4	0.034	0	0	0
600188	600188	0.035	0.002	10.6	0.034	0.001	0	0
600189	600189	0.031	0.006	10	0.031	0.001	0	0
600190	600190	0.011	0.018	5.9	0.011	0	0	0
600191	600191	0.03	0.001	9.8	0.03	0	0	0
600192	600192	0.088	0.001	16.7	0.06	0.028	0	0
600193	600193	0.093	0.001	17.2	0.012	0.081	0	0
600194	600194	0.097	0	17.6	0.012	0.085	0	0



Anejo nº1 Datos de partida

Código Subcuenca	Pozo asociado	Área Tributaria (ha)	Pendiente (m/m)	Dimensión (m)	Área Tipo 1 (ha)	Área Tipo 2 (ha)	Área Tipo 3 (ha)	Área Tipo 4 (ha)
600195	600195	0.033	0	10.2	0.005	0.028	0	0
600196	600196	0.001	0.012	2.2	0.001	0.001	0	0
600197	600197	0.004	0.003	3.7	0.003	0.001	0	0
600198	600198	0.052	0	12.9	0.001	0.051	0	0
600199	600199	0.039	0.002	11.1	0.013	0.025	0	0
600200	600200	0.11	0.001	18.8	0.011	0.099	0	0
600201	600201	0.081	0.001	16	0.037	0.043	0	0
600202	600202	0.048	0.002	12.4	0.02	0.028	0	0
600203	600203	0.042	0.002	11.6	0.012	0.03	0	0
600204	600204	0.042	0	11.6	0.012	0.03	0	0
600205	600205	0.035	0.001	10.6	0.015	0.02	0	0
600206	600206	0.074	0.002	15.4	0.031	0.043	0	0
600207	600207	0.153	0.005	22.1	0.033	0.087		0.033
600208	600208	0.131	0.001	20.4	0.019	0.072		0.039
600209	600209	0.091	0.007	17	0.015	0.073		0.002
600210	600210	0.079	0.004	15.8	0.015	0.063	0	0
600211	600211	0.067	0.005	14.7	0.019	0.049	0	0
600212	600212	0.023	0.011	8.6	0.015	0.008	0	0
600213	600213	0.04	0.004	11.3	0.025	0.015	0	0
600215	600215	0.133	0.004	20.6	0.03	0.103	0	0
600216	600216	0.148	0.003	21.7	0.028	0.12	0	0
600217	600217	0.128	0.001	20.2	0.022	0.106	0	0
600218	600218	0.135	0.006	20.7	0.024	0.112	0	0
600219	600219	0.133	0.003	20.6	0.025	0.109	0	0
600220	600220	0.08	0.014	16	0.033	0.047	0	0
600225	600225	0.063	0.002	14.2	0.032	0.031	0	0
600226	600226	0.063	0.01	14.1	0.019	0.043	0	0
600227	600227	0.089	0.002	16.9	0.028	0.061	0	0
600228	600228	0.06	0.005	13.9	0.05	0.01	0	0
600229	600229	0.024	0.006	8.7	0.024	0	0	0
600230	600230	0.025	0.007	9	0.025	0	0	0
600231	600231	0.05	0.002	12.7	0.025	0.025	0	0
600232	600232	0.06	0.001	13.9	0.021	0.039	0	0
600233	600233	0.064	0.01	14.2	0.034	0.029	0	0
600236	600236	0.037	0.004	10.8	0.036	0.001	0	0
600237	600237	0.03	0.002	9.7	0.024	0.006	0	0
600239	600239	0.083	0.004	16.2	0.037	0.046	0	0
600240	600240	0.128	0.003	20.2	0.036	0.092	0	0
600241	600241	0.13	0.003	20.3	0.04	0.09	0	0

600242	600242	0.114	0.003	19.1	0.041	0.073	0	0
600243	600243	0.049	0.001	12.5	0.034	0.015	0	0
600244	600244	0.039	0.003	11.2	0.012	0.027	0	0
600248	600248	0.057	0.017	13.5	0.017	0.04	0	0
600249	600249	0.023	0.004	8.5	0.005	0.017	0	0
600256	600256	0.007	0.017	4.8	0.007			0
600257	600257	0.012	0.003	6.1	0.012	0	0	0
600258	600258	0.027	0	9.3	0.021	0.006	0	0
600259	600259	0.072	0.001	15.1	0.034	0.038	0	0
600260	600260	0.075	0.001	15.5	0.032	0.044	0	0
600261	600261	0.048	0.001	12.3	0.024	0.023	0	0
600262	600262	0.042	0.011	11.6	0.029	0.013	0	0
600263	600263	0.018	0.001	7.5	0.018	0	0	0
600265	600265	0.054	0.01	13.2	0.026	0.028	0	0
600266	600266	0.076	0.001	15.5	0.034	0.041	0	0
600267	600267	0.04	0.003	11.3	0.027	0.013	0	0
600276	600276	0.047	0.009	12.3	0.014	0.033	0	0
600277	600277	0.031	0.01	9.9	0.006	0.025	0	0
600278	600278	0.031	0.008	9.9	0.007	0.023	0	0
600279	600279	0.018	0.006	7.6	0.018	0	0	0
600280	600280	0.017	0.005	7.3	0.011	0.006	0	0
600289	600289	0.029	0.001	9.7	0.022	0.008	0	0
600295	600295	0.043	0.001	11.7	0.021	0.022	0	0
600296	600296	0.029	0.019	9.6	0	0.029	0	0
600298	600298	0.062	0.013	14	0.04	0.022	0	0
600299	600299	0.049	0.004	12.5	0.035	0.014	0	0
600300	600300	0.148	0.007	21.7	0.023	0.125	0	0
600301	600301	0.019	0.003	7.8	0.015	0		0.004
600302	600302	0.098	0.002	17.6	0.042	0.052		0.004
600306	600306	0.139	0.001	21	0.048	0.086		0.005
600307	600307	0.107	0.002	18.4	0.046	0.061	0	0
600308	600308	0.072	0.002	15.2	0.051	0.021	0	0
600309	600309	0.021	0.023	8.2	0.017	0.004	0	0
600318	600318	0.049	0.011	12.4	0.011	0.037		0.001
600322	600322	0.046	0.001	12.1	0.016	0.027		0.003
600324	600324	0.026	0.021	9.1	0.025	0.001	0	0
600325	600325	0.029	0.013	9.6	0.024	0.005	0	0
600326	600326	0.031	0.001	10	0.025	0.007	0	0
600327	600327	0.023	0.017	8.6	0.023	0	0	0
600328	600328	0.023	0.012	8.6	0.023	0	0	0
600329	600329	0.02	0.068	8	0.02	0	0	0



Anejo nº1 Datos de partida

Código Subcuenca	Pozo asociado	Área Tributaria (ha)	Pendiente (m/m)	Dimensión (m)	Área Tipo 1 (ha)	Área Tipo 2 (ha)	Área Tipo 3 (ha)	Área Tipo 4 (ha)
600330	600330	0.026	0.027	9	0.026	0	0	0
600331	600331	0.049	0.03	12.5	0.037	0.001		0.011
600332	600332	0.079	0.015	15.8	0.06	0.018		0
600333	600333	0.07	0.008	14.9	0.025	0.045	0	0
600334	600334	0.046	0.017	12.1	0.018	0.028	0	0
600335	600335	0.018	0.006	7.5	0.012	0.006	0	0
600336	600336	0.021	0.013	8.2	0.016	0.005	0	0
600337	600337	0.047	0.007	12.2	0.017	0.03	0	0
600338	600338	0.033	0.005	10.2	0.015	0.018	0	0
600339	600339	0.024	0.013	8.7	0.02	0.003	0	0
600340	600340	0.031	0.002	9.9	0.02	0.01	0	0
600341	600341	0.031	0.014	9.9	0.021	0.01	0	0
600342	600342	0.057	0.003	13.5	0.009	0.048	0	0
600343	600343	0.059	0.001	13.7	0.014	0.045	0	0
600344	600344	0.037	0.002	10.9	0.013	0.024	0	0
600345	600345	0.027	0.006	9.3	0.027	0	0	0
600346	600346	0.009	0.013	5.4	0.009	0	0	0
600349	600349	0.054	0.002	13.1	0.016	0.038	0	0
600350	600350	0.029	0.01	9.6	0.029	0	0	0
600352	600352	0.052	0.006	12.8	0.009	0.043	0	0
600353	600353	0.095	0.005	17.3	0.022	0.073	0	0
600355	600355	0.052	0.002	12.9	0.041	0.011	0	0
600356	600356	0.043	0	11.8	0.037	0.007	0	0
600357	600357	0.029	0.003	9.5	0.029	0	0	0
600358	600358	0.038	0.019	11	0.015	0.023	0	0
600359	600359	0.046	0.005	12.1	0.007	0.039	0	0
600360	600360	0.045	0.004	12	0.007	0.038	0	0
600361	600361	0.047	0.005	12.2	0.007	0.039	0	0
600362	600362	0.05	0.006	12.6	0.008	0.042	0	0
600363	600363	0.05	0.002	12.6	0.008	0.043	0	0
600364	600364	0.045	0.005	11.9	0.007	0.038	0	0
600365	600365	0.041	0.003	11.5	0.008	0.034	0	0
600366	600366	0.018	0.017	7.5	0.012	0.006	0	0
600367	600367	0.031	0.001	10	0.031	0	0	0
600368	600368	0.052	0.011	12.9	0.016	0.037	0	0
600369	600369	0.058	0.002	13.6	0.008	0.05	0	0
600370	600370	0.049	0.001	12.5	0.007	0.041	0	0
600371	600371	0.046	0.003	12.1	0.015	0.029		0.003
600372	600372	0.021	0.005	8.1	0	0.02	0	0

600373	600373	0.042	0	11.6	0.007	0.035	0	0
600374	600374	0.064	0.001	14.3	0.01	0.054	0	0
600375	600375	0.054	0.005	13.2	0.021	0.034	0	0
600376	600376	0.032	0.007	10.1	0.032	0	0	0
600377	600377	0.041	0.005	11.5	0.015	0.026	0	0
600378	600378	0.051	0.003	12.7	0.008	0.043	0	0
600380	600380	0.051	0.001	12.8	0.008	0.043	0	0
600382	600382	0.051	0	12.7	0.008	0.044	0	0
600383	600383	0.052	0.002	12.8	0.008	0.044	0	0
600385	600385	0.042	0	11.6	0.008	0.034	0	0
600387	600387	0.03	0.004	9.8	0.006	0.024	0	0
600388	600388	0.069	0.005	14.8	0.009	0.059	0	0
600389	600389	0.069	0.01	14.8	0.009	0.059	0	0
600390	600390	0.067	0.003	14.6	0.009	0.058	0	0
600391	600391	0.03	0.003	9.8	0.011	0.019	0	0
600392	600392	0.048	0.022	12.4	0.008	0.04	0	0
600394	600394	0.028	0.003	9.4	0.022	0.006	0	0
600396	600396	0.027	0.003	9.3	0.02	0.007	0	0
600397	600397	0.026	0.003	9	0.019	0.006	0	0
600398	600398	0.025	0.003	8.9	0.019	0.006	0	0
600399	600399	0.025	0.003	9	0.019	0.006	0	0
600400	600400	0.026	0.002	9.1	0.019	0.007	0	0
600401	600401	0.027	0.004	9.2	0.02	0.007	0	0
600402	600402	0.026	0.001	9.1	0.026	0	0	0
600403	600403	0.029	0.002	9.6	0.023	0.006	0	0
600404	600404	0.03	0.002	9.7	0.023	0.007	0	0
600405	600405	0.029	0	9.6	0.022	0.007	0	0
600406	600406	0.028	0.001	9.5	0.021	0.007	0	0
600407	600407	0.028	0	9.5	0.021	0.007	0	0
600409	600409	0.027	0.004	9.3	0.02	0.007	0	0
600410	600410	0.028	0.004	9.4	0.023	0.005	0	0
600411	600411	0.026	0.001	9.1	0.026	0	0	0
600412	600412	0.027	0.005	9.3	0.023	0.004	0	0
600415	600415	0.03	0.003	9.8	0.023	0.007	0	0
600416	600416	0.03	0.004	9.8	0.023	0.007	0	0
600418	600418	0.03	0.002	9.8	0.023	0.007	0	0
600420	600420	0.025	0.004	8.9	0.019	0.005	0	0
600422	600422	0.009	0.015	5.5	0.008	0.001	0	0
600423	600423	0.074	0.002	15.3	0.006	0.068	0	0
600424	600424	0.071	0.004	15.1	0.006	0.065	0	0
600425	600425	0.067	0.002	14.6	0.006	0.061	0	0



Anejo nº1 Datos de partida

Código Subcuenca	Pozo asociado	Área Tributaria (ha)	Pendiente (m/m)	Dimensión (m)	Área Tipo 1 (ha)	Área Tipo 2 (ha)	Área Tipo 3 (ha)	Área Tipo 4 (ha)
600426	600426	0.065	0.005	14.4	0.006	0.059	0	0
600427	600427	0.071	0.005	15.1	0.006	0.065	0	0
600428	600428	0.06	0.004	13.8	0.005	0.055	0	0
600429	600429	0.059	0.004	13.7	0.039	0.006		0.013
600430	600430	0.057	0.003	13.4	0.033	0.018		0.005
600431	600431	0.045	0.003	11.9	0.021	0.022		0.001
600432	600432	0.027	0.013	9.2	0.026			0.001
600433	600433	0.029	0.009	9.6	0.029			0
600434	600434	0.034	0.002	10.5	0.028	0.007		0
600435	600435	0.045	0.007	12	0.027	0.017		0.002
600436	600436	0.03	0	9.8	0.03	0	0	0
600437	600437	0.027	0.014	9.3	0.027	0	0	0
600438	600438	0.016	0.012	7.2	0.016	0	0	0
600439	600439	0.02	0.011	8.1	0.015	0.005		0
600440	600440	0.022	0.002	8.4	0.006	0.016	0	0
600441	600441	0.014	0.001	6.8	0.013	0.001	0	0
600442	600442	0.012	0.01	6.2	0.012	0	0	0
600443	600443	0.021	0.002	8.2	0.021	0	0	0
600444	600444	0.023	0.005	8.6	0.023	0	0	0
600445	600445	0.043	0.003	11.7	0.02	0.023	0	0
600446	600446	0.043	0.032	11.7	0.035	0		0.008
600447	600447	0.477	0.004	39	0.085		0.298	0.095
600448	600448	0.101	0.003	17.9	0.01	0.091	0	0
600449	600449	0.1	0.003	17.8	0.009	0.09	0	0
600450	600450	0.093	0.003	17.2	0.009	0.084	0	0
600451	600451	0.051	0.003	12.8	0.017	0.035	0	0
600453	600453	0.075	0.005	15.4	0.045	0.03	0	0
600454	600454	0.042	0.003	11.6	0.015	0.027	0	0
600455	600455	0.004	0.009	3.6	0.004	0	0	0
600456	600456	0.057	0	13.4	0.054	0.003	0	0
600457	600457	0.035	0.001	10.5	0.014	0.021	0	0
600458	600458	0.048	0.001	12.3	0.025	0.023	0	0
600459	600459	0.079	0.001	15.8	0.028	0.05	0	0
600460	600460	0.095	0.002	17.4	0.03	0.065	0	0
600461	600461	0.162	0.001	22.7	0.004	0.159	0	0
600462	600462	0.089	0.001	16.8	0.029	0.06	0	0
600463	600463	0.095	0.001	17.4	0.031	0.064	0	0
600464	600464	0.052	0.001	12.9	0.03	0.022	0	0
600465	600465	0.007	0.005	4.8	0.007	0	0	0

600466	600466	0.008	0.041	5.1	0.008	0	0	0
600469	600469	0.21	0.006	25.9	0.099	0.111	0	0
600470	600470	0.148	0.004	21.7	0.035	0.111		0.002
600471	600471	0.084	0	16.4	0.02	0.064	0	0
600472	600472	0.062	0.001	14	0.024	0.038	0	0
600475	600475	0.075	0.002	15.4	0.044	0.03	0	0
600476	600476	0.037	0.011	10.8	0.024	0.013	0	0
600477	600477	0.05	0.007	12.6	0.019	0.031	0	0
600479	600479	0.076	0.003	15.6	0.046	0.03	0	0
600480	600480	0.023	0.034	8.6	0.023	0	0	0
600481	600481	0.011	0.004	6	0.011	0	0	0
600482	600482	0.048	0.001	12.4	0.028	0.02	0	0
600483	600483	0.095	0.001	17.4	0.029	0.066	0	0
600484	600484	0.133	0	20.6	0.028	0.105	0	0
600485	600485	0.133	0.001	20.6	0.027	0.106	0	0
600486	600486	0.098	0	17.6	0.029	0.069	0	0
600487	600487	0.057	0.003	13.5	0.029	0.028	0	0
600488	600488	0.017	0.012	7.4	0.011	0.006	0	0
600489	600489	0.073	0.009	15.2	0.047	0.026	0	0
600490	600490	0.144	0.002	21.4	0.059	0.075		0.011
600491	600491	0.148	0.002	21.7	0.048	0.099		0
600492	600492	0.127	0.001	20.1	0.065	0.062	0	0
600493	600493	0.086	0.001	16.6	0.055	0.03	0	0
600495	600495	0.041	0.01	11.4	0.015	0.005		0.02
600496	600496	0.109	0.012	18.6	0.066	0.005		0.037
600497	600497	0.023	0	8.5	0.016			0.006
600498	600498	0.224	0.002	26.7	0.079	0.087		0.059
600499	600499	0.103	0.001	18.1	0.043	0.037		0.023
600500	600500	0.098	0.002	17.6	0.054			0.044
600501	600501	0.059	0.003	13.7	0.036	0.003		0.02
600502	600502	0.035	0.002	10.6	0.013			0.022
600503	600503	0.074	0.001	15.3	0.034			0.04
600504	600504	0.007	0.017	4.7	0.006			0.001
600505	600505	0.043	0.002	11.7	0.022	0.005		0.015
600506	600506	0.084	0	16.4	0.034	0.031		0.019
600507	600507	0.085	0.002	16.4	0.04			0.045
600508	600508	0.119	0.003	19.5	0.048	0.05		0.021
600509	600509	0.072	0.002	15.1	0.036			0.036
600510	600510	0.242	0.001	27.7	0.161	0.022	0.002	0.056
600511	600511	0.253	0	28.4	0.173	0.022	0.026	0.033
600512	600512	0.088	0.004	16.8	0.037	0.032		0.019



Anejo nº1 Datos de partida

Código Subcuenca	Pozo asociado	Área Tributaria (ha)	Pendiente (m/m)	Dimensión (m)	Área Tipo 1 (ha)	Área Tipo 2 (ha)	Área Tipo 3 (ha)	Área Tipo 4 (ha)
600513	600513	0.459	0.002	38.2	0.166		0.045	0.249
600514	600514	0.079	0.002	15.9	0.034	0.026		0.019
600515	600515	0.025	0.002	8.9	0.012			0.013
600518	600518	0.503	0.003	40	0.081		0.247	0.175
600519	600519	0.296	0.003	30.7	0.101			0.195
600520	600520	0.109	0.089	18.7	0.073			0.036
600521	600521	0.088	0.062	16.7	0.047			0.041
600522	600522	0.231	0.002	27.1	0			0.231
600523	600523	0.29	0.002	30.4	0.032			0.258
600524	600524	0.119	0.009	19.5	0.059			0.06
600525	600525	0.316	0.003	31.7	0.055			0.262
600528	600528	0.099	0.003	17.8	0.065	0.034		0.001
600529	600529	0.121	0.003	19.6	0.059	0.053		0.008
600530	600530	0.107	0	18.5	0.048	0.055		0.005
600531	600531	0.052	0.005	12.9	0.051	0.002	0	0
600532	600532	0.15	0.006	21.8	0.055	0.071		0.023
600533	600533	0.159	0.006	22.5	0.041	0.084		0.035
600534	600534	0.032	0.008	10.1	0.022	0.004		0.006
600535	600535	0.072	0.003	15.2	0.036	0.036	0	0
600536	600536	0.045	0.002	12	0.025	0.021	0	0
600537	600537	0.062	0.009	14	0.042	0.02		0.001
600538	600538	0.158	0.013	22.4	0.018	0.111		0.029
600539	600539	0.13	0.001	20.4	0.018	0.091		0.022
600540	600540	0.058	0.005	13.6	0.006	0.033		0.018
600541	600541	0.124	0	19.8	0.079	0.012		0.032
600542	600542	0.18	0.004	23.9	0.061	0.048		0.07
600543	600543	0.121	0.005	19.6	0.051	0.052		0.018
600544	600544	0.108	0.001	18.5	0.065	0.003		0.04
600545	600545	0.033	0.014	10.2	0.03	0.002		0
600546	600546	0.06	0.011	13.8	0.028	0.032	0	0
600547	600547	0.066	0.002	14.5	0.034	0.033	0	0
600548	600548	0.036	0.005	10.6	0.021	0.014	0	0
600549	600549	0.025	0.035	9	0.015	0.011	0	0
600550	600550	0.105	0.005	18.3	0.095	0.01	0	0
600551	600551	0.101	0	18	0.06	0.04		0.001
600552	600552	0.165	0.004	22.9	0.037	0.128	0	0
600553	600553	0.137	0.005	20.8	0.023	0.114	0	0
600554	600554	0.11	0.015	18.8	0.031	0.08	0	0
600555	600555	0.163	0.004	22.8	0.049	0.092		0.022

600556	600556	0.134	0.002	20.7	0.043	0.078		0.014
600557	600557	0.061	0.005	13.9	0.048	0.012		0
600558	600558	0.095	0.002	17.3	0.054	0.033		0.008
600559	600559	0.041	0.001	11.4	0.025	0.016	0	0
600560	600560	0.033	0	10.3	0.019	0.014	0	0
600561	600561	0.047	0.001	12.2	0.015	0.032	0	0
600562	600562	0.013	0.042	6.5	0.013	0	0	0
600563	600563	0.087	0.007	16.6	0.016	0.066		0.005
600564	600564	0.104	0.005	18.2	0.057	0.046	0	0
600566	600566	0.069	0.011	14.8	0.013	0.042		0.014
600567	600567	0.083	0.001	16.2	0.011	0.057		0.014
600568	600568	0.11	0.013	18.7	0.107	0.003	0	0
600569	600569	0.109	0.013	18.6	0.074	0.035	0	0
600570	600570	0.111	0.005	18.8	0.04	0.064		0.007
600571	600571	0.114	0.001	19	0.036	0.064		0.014
600575	600575	0.067	0.006	14.6	0.065	0.002	0	0
600576	600576	0.039	0.01	11.1	0.03	0.002		0.007
600577	600577	0.05	0.01	12.7	0.028	0.022	0	0
600578	600578	0.04	0.003	11.3	0.037	0.004	0	0
600579	600579	0.046	0.002	12.1	0.001	0.028		0.017
600580	600580	0.047	0.005	12.2	0	0.031		0.015
600581	600581	0.057	0.004	13.4	0	0.052		0.005
600582	600582	0.09	0.005	17	0	0.083		0.008
600583	600583	0.106	0.007	18.4	0	0.071		0.036
600584	600584	0.06	0.01	13.8	0	0.032		0.028
600601	600601	0.128	0.003	20.2	0.098	0.001		0.029
600602	600602	0.125	0	20	0.043	0.011		0.072
600603	600603	0.211	0	25.9	0.064	0.067		0.081
600604	600604	0.274	0.001	29.5	0.07	0.123		0.081
600605	600605	0.259	0.001	28.7	0.07	0.107		0.083
600606	600606	0.063	0.016	14.1	0.024	0.001		0.038
600611	600611	0.08	0.001	16	0.042	0.014		0.024
600612	600612	0.097	0.006	17.5	0.043	0.032		0.022
600613	600613	0.062	0.006	14	0.028	0.015		0.019
600614	600614	0.067	0.002	14.6	0.03	0.002		0.035
600618	600618	0.018	0.024	7.6	0.018	0	0	0
600619	600619	0.008	0.005	4.9	0.008	0	0	0
600620	600620	0.013	0.002	6.3	0.013			0
600621	600621	0.022	0.005	8.4	0.021			0.001
600622	600622	0.036	0.003	10.7	0.028			0.008
600623	600623	0.018	0.005	7.6	0.018	0	0	0



Anejo nº1 Datos de partida

Código Subcuenca	Pozo asociado	Área Tributaria (ha)	Pendiente (m/m)	Dimensión (m)	Área Tipo 1 (ha)	Área Tipo 2 (ha)	Área Tipo 3 (ha)	Área Tipo 4 (ha)
600624	600624	0.056	0.002	13.3	0.036			0.02
600625	600625	0.029	0.003	9.7	0.026			0.003
600626	600626	0.024	0.002	8.7	0.024			0
600627	600627	0.043	0	11.8	0.024		0.003	0.017
600628	600628	0.042	0.007	11.5	0.026			0.015
600629	600629	0.026	0	9	0.023			0.002
600632	600632	0.017	0.003	7.4	0.017	0	0	0
600633	600633	0.02	0.008	7.9	0.019			0
600634	600634	0.043	0.002	11.7	0.027			0.016
600637	600637	0.046	0.001	12.1	0.008			0.038
600638	600638	0.034	0.003	10.5	0.008			0.026
600639	600639	0.025	0.003	8.8	0.007			0.018
600640	600640	0.051	0.003	12.7	0.01			0.041
600641	600641	0.085	0	16.5	0.03			0.055
600642	600642	0.037	0.014	10.9	0.033	0.003		0.002
600644	600644	0.02	0.03	8	0.016	0		0.004
600646	600646	0.049	0.006	12.6	0.008			0.041
600647	600647	0.058	0.003	13.6	0.008			0.05
600648	600648	0.057	0.005	13.5	0.007			0.05
600649	600649	0.048	0.005	12.4	0.008			0.041
600650	600650	0.053	0.002	13	0.006			0.047
600651	600651	0.058	0.004	13.5	0.007			0.05
600652	600652	0.05	0.004	12.6	0.007			0.042
600653	600653	0.019	0.032	7.8	0.014	0.003		0.002
600655	600655	0.047	0.001	12.2	0.007			0.039
600656	600656	0.042	0.003	11.6	0.013	0.001		0.029
600657	600657	0.037	0	10.9	0.002			0.035
600658	600658	0.055	0.001	13.2	0.004			0.051
600659	600659	0.028	0.004	9.5	0.003			0.026
600660	600660	0.025	0.003	8.9	0.002			0.023
600661	600661	0.043	0.001	11.7	0.003			0.04
600662	600662	0.057	0.009	13.5	0.019	0.016		0.022
600663	600663	0.032	0.06	10.1	0.007	0.014		0.011
600664	600664	0.031	0.004	9.9	0.013	0.007		0.01
600665	600665	0.026	0.008	9	0.007			0.019
600666	600666	0.076	0.011	15.5	0.024	0.037		0.015
600667	600667	0.041	0.037	11.4	0.021	0		0.02
600668	600668	0.016	0.048	7.2	0.015			0.002
600669	600669	0.062	0.047	14.1	0.016	0.017		0.029

600670	600670	0.026	0.075	9.2	0.003			0.024
600671	600671	0.025	0.002	8.9	0.006			0.019
600672	600672	0.058	0.086	13.6	0.015	0.031		0.012
600673	600673	0.033	0.097	10.2	0.017	0.001		0.014
600674	600674	0.085	0.001	16.4	0.026	0.037		0.021
600675	600675	0.073	0.031	15.2	0.017	0.019		0.037
600677	600677	0.032	0.01	10	0.012			0.02
600678	600678	0.062	0.006	14.1	0.028			0.034
600679	600679	0.074	0.003	15.3	0.068			0.006
600680	600680	0.028	0	9.5	0.02		0.008	0
600681	600681	0.033	0	10.2	0.027		0.005	0.001
600682	600682	0.012	0.001	6.3	0.012	0	0	0
600683	600683	0.049	0.004	12.5	0.028			0.021
600684	600684	0.021	0	8.2	0.021	0	0	0
600685	600685	0.118	0.001	19.4	0.062			0.056
600686	600686	0.044	0.002	11.9	0.027			0.017
600687	600687	0.014	0.044	6.6	0.013			0.001
600688	600688	0.047	0.001	12.2	0.034	0.01		0.003
600691	600691	0.843	0.005	51.8	0.348	0.379		0.117
600702	600702	0.062	0.01	14	0			0.062
600848	600848	0.056	0.031	13.3	0.024		0.032	0
600849	600849	0.118	0.005	19.4	0.049		0.018	0.052
600850	600850	0.111	0.003	18.8	0.036		0.025	0.05
600851	600851	0.142	0.005	21.3	0.036		0.042	0.064
600852	600852	0.637	0.001	45	0.191	0.034	0.179	0.234
601432	601432	0.398	0.004	35.6	0.026		0.373	0
601433	601433	0.19	0.005	24.6	0.008		0.181	0
601435	601435	0.149	0.005	21.8	0.009		0.14	0
601436	601436	0.073	0.003	15.3	0.004		0.069	0
601437	601437	0.066	0.004	14.5	0.018		0.048	0
601438	601438	0.057	0.006	13.5	0.022		0.035	0
601439	601439	0.076	0.016	15.6	0.026		0.05	0
601440	601440	0.174	0.001	23.5	0		0.174	0
601441	601441	0.122	0.001	19.7	0		0.122	0
601442	601442	0.185	0.002	24.3	0		0.185	0
601446	601446	0.727	0.001	48.1	0.229	0.177	0.269	0.052
601568	601568	0.213	0.004	26.1	0.099	0.007	0.108	0
601569	601569	0.044	0	11.8	0.028		0.016	0
601576	601576	0.058	0.002	13.5	0.018	0.04	0	0
601577	601577	0.28	0.001	29.9	0			0.28
601592	601592	0.024	0.015	8.8	0.022	0.002	0	0



Anejo nº1 Datos de partida

Código Subcuenca	Pozo asociado	Área Tributaria (ha)	Pendiente (m/m)	Dimensión (m)	Área Tipo 1 (ha)	Área Tipo 2 (ha)	Área Tipo 3 (ha)	Área Tipo 4 (ha)
601593	601593	0.047	0.003	12.3	0.023	0		0.024
601602	601602	0.033	0.007	10.3	0.017	0.016	0	0
601606	601606	0.045	0.009	12	0.031	0.014	0	0
601607	601607	0.043	0.007	11.7	0.011	0.032	0	0
601608	601608	0.037	0.014	10.8	0.019	0.018	0	0
601609	601609	0.04	0.005	11.3	0.02	0.02	0	0
601610	601610	0.061	0	14	0.03	0.031	0	0
602014	602014	0.012	0.052	6.2	0.012	0	0	0
606012	606012	0.328	0.044	32.3	0.205	0.091		0.032
608009	608009	0.045	0.009	11.9	0.011			0.033
608015	608015	0.069	0.003	14.8	0.045			0.024
608016	608016	0.011	0.004	5.9	0.003			0.008
608017	608017	0.023	0.004	8.6	0.018	0.005	0	0
608045	608045	0.079	0.005	15.9	0.079	0	0	0
608055	608055	0.046	0.005	12	0.046	0	0	0
608056	608056	0.015	0	7	0.015	0	0	0
608057	608057	0.015	0.003	7	0.015	0	0	0
608059	608059	0.031	0.001	9.9	0.031	0	0	0
608060	608060	0.016	0.005	7.1	0.011	0.005	0	0
608061	608061	0.012	0.005	6.2	0.011	0.001	0	0
608062	608062	0.065	0.005	14.4	0.048			0.017
608067	608067	0.01	0.018	5.7	0.009	0.001	0	0
608069	608069	0.045	0.003	12	0.005		0.041	0
608071	608071	0.012	0.003	6.1	0.012	0	0	0
608072	608072	0.055	0.006	13.3	0.026			0.029
608081	608081	0.022	0.01	8.3	0.022	0	0	0
608082	608082	0.019	0.16	7.8	0.017			0.003
608083	608083	0.12	0.001	19.6	0.039	0.027		0.055
608084	608084	0.049	0.031	12.4	0.038			0.01
608085	608085	0.013	0.001	6.5	0.013	0	0	0
608088	608088	0.053	0.01	13	0.044	0.008		0
608090	608090	0.006	0.015	4.4	0.005			0.001
608096	608096	0.018	0	7.5	0.018	0	0	0
608097	608097	0.019	0.001	7.8	0.019	0	0	0
608152	608152	0.221	0.02	26.5	0.033	0.024		0.164
608153	608153	0.038	0.026	11	0.015	0.008		0.015
608154	608154	0.064	0.003	14.3	0.029			0.035
608155	608155	0.013	0.023	6.4	0.007			0.006
608156	608156	0.03	0.001	9.8	0.016	0.015	0	0

608157	608157	0.052	0.004	12.9	0.039	0.013	0	0
608158	608158	0.022	0.01	8.3	0.008	0.013	0	0
608159	608159	0.166	0.006	23	0.005	0.16	0	0
608160	608160	0.064	0.004	14.3	0.009	0.055	0	0
608161	608161	0.053	0.001	13	0.004	0.049	0	0
608162	608162	0.039	0.008	11.2	0.034	0.006	0	0
608163	608163	0.075	0.004	15.5	0.034	0.041		0
608164	608164	0.093	0.005	17.2	0.036	0.049		0.008
608165	608165	0.027	0.001	9.2	0.022	0.003		0.002
608166	608166	0.068	0.005	14.7	0.017	0.024		0.027
608167	608167	0.151	0.006	21.9	0.024	0.111		0.017
608168	608168	0.079	0	15.8	0.022	0.041		0.016
608169	608169	0.044	0.005	11.8	0.021	0.006		0.017
608170	608170	0.121	0.004	19.6	0.015	0.098		0.008
608171	608171	0.108	0.011	18.6	0.019	0.085		0.004
608172	608172	0.062	0.009	14.1	0.042	0.012		0.008
608173	608173	0.136	0.003	20.8	0.044	0.092	0	0
608174	608174	0.076	0	15.5	0.036	0.039	0	0
608175	608175	0.026	0.002	9	0.02	0.005	0	0
608176	608176	0.023	0.003	8.6	0.023	0	0	0
608177	608177	0.111	0.009	18.8	0.024	0.087	0	0
608178	608178	0.073	0.015	15.2	0.02	0.053	0	0
608179	608179	0.05	0.002	12.6	0.021	0.029	0	0
608180	608180	0.032	0.042	10.2	0.003	0.007		0.023
608181	608181	0.165	0.012	22.9	0.013	0.048		0.104
608182	608182	0.164	0.006	22.9	0.012	0.113		0.039
608183	608183	0.21	0.007	25.9	0.019	0.165		0.027
608184	608184	0.05	0.021	12.6	0.039			0.011
608185	608185	0.052	0.005	12.8	0.015	0.036		0
608186	608186	0.048	0.005	12.3	0.018	0.01		0.02
608187	608187	0.052	0.009	12.8	0.022	0.003		0.027
608188	608188	0.09	0.001	16.9	0.038	0.015		0.037
608189	608189	0.131	0.004	20.4	0.041	0.085		0.005
608190	608190	0.067	0.009	14.7	0.031	0.006		0.03
608191	608191	0.078	0.041	15.8	0.008	0.017		0.053
608192	608192	0.011	0.049	5.9	0.009			0.002
608193	608193	0.053	0.003	12.9	0.014	0.039	0	0
608227	608227	0.015	0.004	7	0.015	0	0	0
608228	608228	0.013	0.003	6.5	0.013	0	0	0
608229	608229	0.038	0.003	11.1	0.038	0	0	0
608230	608230	0.031	0.003	9.9	0.031	0	0	0



Anejo nº1 Datos de partida

Código Subcuenca	Pozo asociado	Área Tributaria (ha)	Pendiente (m/m)	Dimensión (m)	Área Tipo 1 (ha)	Área Tipo 2 (ha)	Área Tipo 3 (ha)	Área Tipo 4 (ha)
608231	608231	0.008	0.007	4.9	0.008	0	0	0
608232	608232	0.01	0.004	5.8	0.01			0.001
608233	608233	0.025	0.002	8.9	0.025	0	0	0
608234	608234	0.058	0.003	13.6	0.047	0.012	0	0
608235	608235	0.066	0.028	14.5	0.047	0.019	0	0
608236	608236	0.009	0.003	5.2	0.004			0.005
608237	608237	0.058	0	13.6	0.025	0.033	0	0
608238	608238	0.066	0.002	14.5	0.032	0.034	0	0
608239	608239	0.05	0.005	12.6	0.025	0.025	0	0
608240	608240	0.045	0.012	12	0.019	0.021		0.006
608241	608241	0.08	0.001	16	0			0.08
608242	608242	0.045	0.001	12	0.025			0.021
608243	608243	0.031	0.002	10	0.02	0.009		0.003
608244	608244	0.051	0.003	12.8	0.025	0.026	0	0
608245	608245	0.046	0.002	12.1	0.024	0.022	0	0
608246	608246	0.04	0.011	11.3	0.033	0.007	0	0
608247	608247	0.039	0.006	11.2	0.032	0.007	0	0
608248	608248	0.015	0.005	6.9	0.014			0.002
608249	608249	0.02	0.001	8	0.02	0	0	0
608250	608250	0.013	0.005	6.5	0.013	0	0	0
608251	608251	0.062	0.001	14	0.059	0.002	0	0
608252	608252	0.055	0.001	13.3	0.055	0	0	0
608253	608253	0.025	0.006	8.8	0.024	0	0	0
608254	608254	0.017	0.008	7.3	0.015			0.001
608255	608255	0.106	0.005	18.3	0			0.106
608256	608256	0.989	0.003	56.1	0.497	0.381		0.111
608257	608257	0.156	0.004	22.3	0.062	0.043		0.051
608258	608258	0.044	0.001	11.8	0.018	0.003		0.023
608259	608259	0.04	0.031	11.3	0.028			0.012
608260	608260	0.081	0.01	16.1	0.051	0.006		0.025
608262	608262	0.007	0.006	4.8	0.004		0.003	0
608263	608263	0.009	0.007	5.5	0.002		0.007	0
608264	608264	0.023	0.003	8.5	0.003		0.02	0
608265	608265	0.039	0.004	11.2	0.008		0.031	0
608266	608266	0.074	0.003	15.3	0.004		0.069	0
608267	608267	0.195	0.003	24.9	0.034		0.151	0.011
608268	608268	0.162	0.004	22.7	0.006		0.156	0
608269	608269	0.086	0.003	16.6	0.008		0.078	0
608270	608270	0.114	0.003	19.1	0.005		0.109	0

608271	608271	0.126	0.003	20	0.007			0.119	0
608272	608272	0.076	0.002	15.5	0.005			0.071	0
608273	608273	0.034	0.004	10.4	0.008			0.027	0
608274	608274	0.031	0.003	9.9	0.007			0.024	0
608275	608275	0.06	0.002	13.8	0.011			0.049	0
608276	608276	0.047	0.005	12.2	0.038			0.003	0.006
608277	608277	0.038	0.001	11	0.007			0.031	0
608278	608278	0.052	0.003	12.8	0.009			0.042	0
608279	608279	0.054	0.006	13.1	0.023			0.031	0
608280	608280	0.03	0.007	9.8	0.007			0.023	0
608282	608282	0.095	0.008	17.4	0.028				0.068
608283	608283	0.095	0.008	17.4	0.02				0.075
608284	608284	0.081	0.009	16.1	0.017				0.064
608285	608285	0.036	0.003	10.7	0.028			0.007	0
608286	608286	0.095	0.008	17.4	0.018				0.077
608287	608287	0.052	0.027	12.9	0.015				0.037
608288	608288	0.056	0.011	13.4	0.053	0.003	0		0
608291	608291	0.007	0.003	4.8	0.004	0.003	0		0
608292	608292	0.013	0.039	6.3	0.012	0.001	0		0
608303	608303	0.056	0.006	13.3	0.028	0.028	0		0
608304	608304	0.042	0.003	11.5	0.02	0.021	0		0
608305	608305	0.05	0.008	12.6	0.01	0.04	0		0
608306	608306	0.018	0.021	7.6	0.005	0.013	0		0
608307	608307	0.264	0.004	29	0.134	0.076			0.054
608308	608308	0.179	0.016	23.8	0.119	0.001			0.06
608309	608309	0.064	0.01	14.3	0.006	0.058	0		0
608310	608310	0.068	0.002	14.7	0.012	0.053			0.003
608311	608311	0.135	0.001	20.8	0.057	0.054			0.024
608312	608312	0.068	0	14.7	0.037	0.014			0.017
608313	608313	0.036	0.016	10.7	0.036				0
608328	608328	0.081	0.017	16	0.015	0.066	0		0
608439	608439	0.068	0.001	14.7	0.068	0	0		0
608469	608469	0.1	0.005	17.8	0.047	0.026			0.027
608470	608470	0.086	0.016	16.6	0.035	0.024			0.028
608471	608471	0.042	0.007	11.6	0.015	0.027	0		0
608472	608472	0.046	0.02	12.1	0.004	0.042	0		0
608473	608473	0.019	0.005	7.7	0.019	0	0		0
608474	608474	0.036	0.003	10.7	0.017	0.02	0		0
608475	608475	0.054	0.016	13.1	0.016	0.037	0		0
608476	608476	0.049	0.025	12.5	0.018	0.031	0		0
608477	608477	0.039	0.006	11.1	0.013	0.026	0		0



Anejo nº1 Datos de partida

Código Subcuenca	Pozo asociado	Área Tributaria (ha)	Pendiente (m/m)	Dimensión (m)	Área Tipo 1 (ha)	Área Tipo 2 (ha)	Área Tipo 3 (ha)	Área Tipo 4 (ha)
608478	608478	0.033	0.003	10.2	0.011	0.022	0	0
608479	608479	0.026	0.001	9.2	0.016	0.011	0	0
608480	608480	0.044	0.005	11.8	0.044	0	0	0
608481	608481	0.031	0.003	9.9	0.025	0.006	0	0
608482	608482	0.037	0.029	10.9	0.027	0.01	0	0
608483	608483	0.05	0.004	12.6	0.018			0.033
608484	608484	0.066	0.006	14.5	0.028	0.039	0	0
608485	608485	0.032	0.005	10.1	0.011	0.021	0	0
608486	608486	0.031	0.003	10	0.013	0.018	0	0
608487	608487	0.058	0.005	13.6	0.024	0.034	0	0
608488	608488	0.043	0.004	11.7	0.03	0.014	0	0
608489	608489	0.046	0.011	12	0.046	0	0	0
608490	608490	0.053	0.019	13	0.033	0.02	0	0
608491	608491	0.017	0.002	7.4	0.017	0	0	0
608492	608492	0.04	0.013	11.3	0.021	0.019	0	0
608493	608493	0.086	0.005	16.6	0.031	0.056	0	0
608494	608494	0.054	0.006	13.1	0.038	0.016	0	0
608495	608495	0.089	0.004	16.8	0.028			0.061
608496	608496	0.064	0.011	14.2	0.01	0.054	0	0
608497	608497	0.038	0	11	0.004	0.034	0	0
608498	608498	0.055	0.011	13.3	0.055	0	0	0
608499	608499	0.093	0.007	17.2	0.036	0.058	0	0
608500	608500	0.008	0.007	5.1	0.008	0	0	0
608501	608501	0.008	0.006	5	0.008	0	0	0
608502	608502	0.133	0.003	20.6	0.035	0.008		0.09
608503	608503	0.091	0.003	17.1	0.005	0.087	0	0
608504	608504	0.045	0.007	12	0.025	0.02	0	0
608505	608505	0.046	0.012	12.1	0.036	0.002		0.008
608506	608506	0.075	0.005	15.5	0.05	0.001		0.024
608507	608507	0.03	0.002	9.7	0.017	0.013	0	0
608508	608508	0.026	0	9	0.012	0.013	0	0
608509	608509	0.019	0.001	7.9	0.01	0.01	0	0
608510	608510	0.019	0.005	7.7	0.006	0.012	0	0
608511	608511	0.042	0.002	11.5	0.027	0.014	0	0
608512	608512	0.064	0.001	14.2	0.023	0.041	0	0
608513	608513	0.023	0.016	8.5	0.02	0.003	0	0
608514	608514	0.025	0.014	9	0.021	0.005	0	0
608515	608515	0.026	0.002	9.2	0.026	0	0	0
608516	608516	0.018	0.048	7.5	0.015	0.003	0	0

608517	608517	0.033	0	10.3	0.011	0.022	0	0
608518	608518	0.028	0.001	9.4	0.02	0.008	0	0
608519	608519	0.015	0.006	7	0.015	0	0	0
608520	608520	0.027	0.022	9.2	0.024	0.003	0	0
608522	608522	0.048	0.009	12.3	0.048	0	0	0
608523	608523	0.03	0.008	9.8	0.03	0	0	0
608615	608615	0.046	0.002	12.1	0.008	0.038	0	0
608616	608616	0.041	0	11.5	0.013	0.029	0	0
608617	608617	0.055	0.001	13.2	0.018	0.036	0	0
608618	608618	0.049	0	12.5	0.016	0.033	0	0
608619	608619	0.053	0.004	13	0.024	0.029	0	0
608620	608620	0.056	0.004	13.4	0.011	0.046	0	0
608621	608621	0.008	0.032	5.1	0.004	0.004	0	0
608622	608622	0.072	0.004	15.1	0	0.072	0	0
1200001	1200001	0.029	0.013	9.6	0.023	0.006	0	0
1200003	1200003	0.079	0.003	15.9	0.034	0.045	0	0
1200004	1200004	0.041	0	11.4	0.034	0.007	0	0
1200007	1200007	0.034	0.013	10.4	0.02	0.014	0	0
1200009	1200009	0.287	0.003	30.2	0.127	0.16	0	0
1200010	1200010	0.072	0.002	15.2	0.012	0.06	0	0
1200011	1200011	0.077	0.001	15.7	0.022	0.055	0	0
1200012	1200012	0.021	0.002	8.3	0.021	0	0	0
1200013	1200013	0.085	0.002	16.4	0.015	0.069	0	0
1200014	1200014	0.021	0.002	8.1	0.021	0	0	0
1200015	1200015	0.06	0.003	13.8	0.019	0.041	0	0
1200017	1200017	0.032	0.008	10	0.025	0.007	0	0
1200018	1200018	0.062	0.002	14.1	0.021	0.042	0	0
1200019	1200019	0.08	0.001	16	0.029	0.052	0	0
1200021	1200021	0.066	0.003	14.5	0.065	0	0	0
1200023	1200023	0.03	0.009	9.8	0.008	0.022	0	0
1200024	1200024	0.77	0.003	49.5	0.417	0.353	0	0
1200025	1200025	0.577	0.003	42.9	0.161	0.417	0	0
1200026	1200026	0.08	0.004	15.9	0.025	0.055	0	0
1200027	1200027	0.088	0.002	16.8	0.01	0.078	0	0
1200028	1200028	0.361	0.001	33.9	0.089	0.272	0	0
1200029	1200029	0.252	0.002	28.3	0.071	0.181	0	0
1200030	1200030	0.104	0	18.2	0.027	0.078	0	0
1200031	1200031	0.219	0.001	26.4	0.1	0.118	0	0
1200032	1200032	0.104	0.001	18.2	0.02	0.084	0	0
1200033	1200033	0.092	0.001	17.1	0.011	0.08	0	0
1200034	1200034	0.097	0.002	17.6	0.017	0.068		0.012



Anejo nº1 Datos de partida

Código Subcuenca	Pozo asociado	Área Tributaria (ha)	Pendiente (m/m)	Dimensión (m)	Área Tipo 1 (ha)	Área Tipo 2 (ha)	Área Tipo 3 (ha)	Área Tipo 4 (ha)
1200035	1200035	0.103	0.002	18.1	0.014	0.054		0.035
1200037	1200037	0.106	0.001	18.4	0.033	0.064		0.01
1200038	1200038	0.062	0.001	14	0.01	0.052	0	0
1200039	1200039	0.055	0.001	13.2	0.026	0.029	0	0
1200040	1200040	0.007	0.005	4.8	0.002	0.005	0	0
1200041	1200041	0.039	0.003	11.1	0.036	0.003	0	0
1200042	1200042	0.015	0.002	7	0.012	0.003	0	0
1200043	1200043	0.021	0.018	8.2	0.004	0.017	0	0
1200044	1200044	0.09	0.001	17	0.041	0.05	0	0
1200045	1200045	0.051	0.005	12.8	0.017	0.035	0	0
1200076	1200076	0.039	0.004	11.2	0.039	0	0	0
1200077	1200077	0.08	0.006	16	0.049	0.01		0.021
1200078	1200078	0.057	0.001	13.5	0.032			0.026
1200079	1200079	0.014	0.007	6.6	0.014	0	0	0
1200082	1200082	0.045	0.015	12	0.045			0
1200083	1200083	0.008	0	5	0.008	0	0	0
1200084	1200084	0.118	0.006	19.4	0.118	0	0	0
1200086	1200086	0.793	0.003	50.2	0.11			0.683
1200087	1200087	0.375	0.005	34.6	0.194			0.182
1200088	1200088	0.289	0.007	30.4	0.123	0.003		0.163
1200089	1200089	0.143	0.009	21.4	0.092	0		0.051
1200090	1200090	0.107	0.014	18.4	0.095			0.012
1200091	1200091	0.101	0.007	17.9	0.061	0.04	0	0
1200092	1200092	0.326	0.009	32.2	0.046	0.26		0.02
1200093	1200093	0.438	0.003	37.3	0.053	0.31		0.075
1200094	1200094	0.277	0.001	29.7	0.043	0.202		0.032
1200095	1200095	0.261	0.002	28.8	0.051	0.168		0.041
1200096	1200096	0.301	0.005	31	0.097	0.169	0.003	0.031
1200097	1200097	0.815	0.003	50.9	0.295	0.344	0.153	0.024
1200103	1200103	0.481	0.003	39.1	0.155	0.237		0.089
1200602	1200602	0.403	0.001	35.8	0.104	0.298	0	0
1200603	1200603	0.088	0.004	16.7	0.019	0.069	0	0
1200604	1200604	0.04	0.002	11.3	0.019	0.022	0	0
1200605	1200605	0.042	0.005	11.5	0.016	0.026	0	0
1200606	1200606	0.074	0.002	15.4	0.017	0.058	0	0
1200607	1200607	0.077	0.006	15.7	0.017	0.059	0	0
1200608	1200608	0.065	0.002	14.4	0.017	0.048	0	0
1200609	1200609	0.04	0.057	11.3	0.016	0.024	0	0
1200627	1200627	0.097	0.008	17.5	0.015	0.082	0	0

1200629	1200629	0.039	0.011	11.1	0.039	0	0	0
1200631	1200631	0.12	0	19.5	0.053	0.067	0	0
1200632	1200632	0.124	0.002	19.8	0.03	0.093	0	0
1200633	1200633	0.018	0	7.6	0.018	0	0	0
1200634	1200634	0.161	0.002	22.6	0.033	0.128	0	0
1200635	1200635	0.147	0.001	21.7	0.033	0.115	0	0
1200636	1200636	0.024	0.001	8.7	0.024	0	0	0
1200637	1200637	0.11	0.002	18.7	0.05	0.06	0	0
1200640	1200640	0.044	0.004	11.8	0.044	0	0	0
1200641	1200641	0.058	0.004	13.6	0.039	0.02	0	0
1200642	1200642	0.051	0.011	12.7	0.032	0.019	0	0
1200643	1200643	0.023	0.001	8.5	0.022	0	0	0
1200644	1200644	0.032	0.002	10.1	0.031	0.001	0	0
1200646	1200646	0.053	0.001	12.9	0.027	0.025	0	0
1200648	1200648	0.028	0.004	9.5	0.019	0.01	0	0
1200649	1200649	0.026	0.003	9	0.012	0.014	0	0
1200650	1200650	0.033	0.001	10.3	0.011	0.022	0	0
1200651	1200651	0.025	0.002	8.9	0.004	0.021	0	0
1200652	1200652	0.025	0.002	8.9	0.013	0.012	0	0
1200653	1200653	0.059	0.002	13.7	0.017	0.042	0	0
1200654	1200654	0.06	0.011	13.8	0.035	0.025	0	0
1200657	1200657	0.025	0.009	8.8	0.025	0	0	0
1200658	1200658	0.058	0.016	13.5	0.047	0.01	0	0
1200660	1200660	0.102	0.007	18	0.032	0.07	0	0
1200662	1200662	0.116	0.008	19.2	0.027	0.089	0	0
1200664	1200664	0.129	0.005	20.2	0.029	0.099	0	0
1200666	1200666	0.565	0.007	42.4	0.162	0.403	0	0
1200676	1200676	0.151	0	21.9	0.019	0.132	0	0
1200677	1200677	0.24	0.004	27.6	0.122	0.118	0	0
1200703	1200703	0.742	0	48.6	0.282	0.46	0	0
1200704	1200704	0.068	0.002	14.7	0.015	0.053	0	0
1200705	1200705	0.039	0.001	11.1	0.016	0.023	0	0
1200706	1200706	0.034	0	10.4	0.019	0.015	0	0
1200707	1200707	0.065	0	14.4	0.016	0.049	0	0
1200708	1200708	0.222	0.002	26.6	0.158	0.064	0	0
1200738	1200738	0.245	0.011	27.9	0.096	0.148	0	0
1203000	1203000	0.036	0	10.7	0.036	0	0	0
1203026	1203026	0.016	0.003	7.1	0.006	0.009	0	0
1203040	1203040	0.938	0.005	54.6	0.447	0.3		0.191
1203111	1203111	0.829	0.002	51.4	0.221	0.54		0.068
1203115	1203115	0.628	0.003	44.7	0.157	0.387	0.084	0



Anejo nº1 Datos de partida

Código Subcuenca	Pozo asociado	Área Tributaria (ha)	Pendiente (m/m)	Dimensión (m)	Área Tipo 1 (ha)	Área Tipo 2 (ha)	Área Tipo 3 (ha)	Área Tipo 4 (ha)
1203118	1203118	0.58	0.005	43	0.258	0.258	0.057	0.007
1203119	1203119	0.038	0.003	11	0.038	0	0	0
1208001	1208001	0.07	0.002	14.9	0.068	0.002	0	0
1208002	1208002	0.035	0.001	10.5	0.035	0	0	0
1208003	1208003	0.027	0.007	9.3	0.027	0	0	0
1208005	1208005	0.018	0.003	7.6	0.018	0	0	0
1208036	1208036	0.032	0	10.2	0.03	0.002	0	0
1208037	1208037	0.026	0.007	9.1	0.026	0	0	0
1208039	1208039	0.018	0	7.5	0.018	0	0	0
1208042	1208042	0.019	0.002	7.7	0.015	0.004	0	0
1208095	1208095	0.016	0.003	7.1	0.016	0	0	0
1208877	1208877	0.472	0.002	38.8	0.169	0.123		0.18
1208878	1208878	0.066	0.005	14.4	0.02	0.008		0.036
1208879	1208879	0.161	0.01	22.6	0.08	0.05		0.031
1208880	1208880	0.057	0.002	13.5	0.028	0.029	0	0
1208881	1208881	0.101	0.004	18	0.038	0.06		0.003
1208882	1208882	0.112	0	18.9	0.058	0.054		0.001
1208883	1208883	0.207	0	25.7	0.121	0.066		0.021
1208918	1208918	0.034	0.001	10.4	0.033	0.001	0	0
1208990	1208990	0.101	0.001	17.9	0.011	0.09	0	0
1208991	1208991	1.287	0.001	64	0.282	0.779	0.226	0
1208992	1208992	0.038	0	11	0.004	0.034	0	0
1208993	1208993	0.105	0	18.3	0.011	0.093	0	0
1300671	1300671	0.068	0.003	14.7	0.048	0.003		0.017
1300672	1300672	0.057	0	13.5	0.036	0.021		0
1300673	1300673	0.17	0.013	23.3	0.027			0.144
1300674	1300674	0.064	0.005	14.2	0.05	0.006		0.008
1300676	1300676	0.076	0.007	15.6	0.053			0.023
1300677	1300677	0.021	0.009	8.2	0.014	0.007	0	0
1300678	1300678	0.057	0.018	13.4	0.038			0.019
1300679	1300679	0.027	0.011	9.3	0.01	0.017	0	0
1300680	1300680	0.031	0.009	9.9	0.012	0.019	0	0
1300681	1300681	0.052	0	12.9	0.044			0.008
1300682	1300682	0.083	0.001	16.2	0			0.083
1300683	1300683	0.058	0.001	13.6	0.048	0.005		0.004
1300684	1300684	0.07	0.005	14.9	0			0.07
1300685	1300685	0.065	0.013	14.4	0			0.065
1300686	1300686	0.139	0.004	21	0			0.139
1300687	1300687	0.109	0.002	18.6	0.059	0.037		0.013

1300688	1300688	0.096	0.008	17.4	0.058	0.013		0.025
1300689	1300689	0.074	0.004	15.4	0.045	0.025		0.004
1300690	1300690	0.15	0.007	21.9	0.049	0.058		0.043
1300691	1300691	0.15	0.007	21.8	0.05	0.058		0.042
1300692	1300692	0.109	0.004	18.6	0.048	0.019		0.042
1300693	1300693	0.164	0.006	22.8	0.134			0.03
1300694	1300694	0.008	0	5.2	0.008	0	0	0
1300695	1300695	0.015	0	6.8	0.009	0.005	0	0
1300696	1300696	0.161	0.001	22.6	0.016	0.145	0	0
1300697	1300697	0.05	0.004	12.6	0.005	0.045	0	0
1300698	1300698	0.036	0.008	10.7	0.008	0.027	0	0
1300699	1300699	0.018	0.003	7.6	0.01	0.008	0	0
1300700	1300700	0.024	0.003	8.8	0.013	0.011	0	0
1300701	1300701	0.025	0.005	9	0.014	0.012	0	0
1300703	1300703	0.019	0.001	7.8	0.019	0	0	0
1300704	1300704	0.024	0.002	8.8	0.024	0	0	0
1300705	1300705	0.05	0	12.6	0.015			0.034
1300706	1300706	0.038	0	11	0.017			0.021
1300707	1300707	0.026	0.017	9.1	0.01			0.016
1300708	1300708	0.033	0.003	10.3	0.014			0.019
1300709	1300709	0.059	0.006	13.7	0.056			0.003
1300710	1300710	0.037	0.023	10.9	0.037			0.001
1300711	1300711	0.038	0.01	11	0.03			0.009
1300712	1300712	0.046	0.023	12.1	0.043			0.003
1300713	1300713	0.05	0.001	12.6	0.018			0.032
1300714	1300714	0.051	0.007	12.7	0.008			0.043
1300715	1300715	0.063	0.004	14.2	0.001			0.063
1300716	1300716	0.033	0.023	10.2	0.03			0.003
1300717	1300717	0.094	0.016	17.3	0.037	0.057	0	0
1300718	1300718	0.062	0.012	14	0.02	0.041	0	0
1300719	1300719	0.036	0.005	10.6	0.017	0.018	0	0
1300720	1300720	0.047	0.008	12.2	0.031	0.016	0	0
1300721	1300721	0.1	0.011	17.8	0.075	0.002		0.023
1300723	1300723	0.147	0.011	21.6	0.088			0.059
1300726	1300726	0.004	0.008	3.6	0.004	0	0	0
1300727	1300727	0.004	0	3.6	0.004	0	0	0
1300729	1300729	0.022	0.011	8.4	0.005			0.017
1300730	1300730	0.096	0.003	17.5	0.005			0.091
1300731	1300731	0.07	0.003	14.9	0.038	0.032	0	0
1300732	1300732	0.072	0.001	15.1	0.038	0.034	0	0
1300733	1300733	0.068	0	14.8	0.032	0.036	0	0



Anejo nº1 Datos de partida

Código Subcuenca	Pozo asociado	Área Tributaria (ha)	Pendiente (m/m)	Dimensión (m)	Área Tipo 1 (ha)	Área Tipo 2 (ha)	Área Tipo 3 (ha)	Área Tipo 4 (ha)
1300734	1300734	0.07	0.001	15	0.039	0.032	0	0
1300737	1300737	0.026	0	9.1	0.026	0	0	0
1300738	1300738	0.028	0	9.5	0.028	0	0	0
1300739	1300739	0.012	0	6.3	0.012	0	0	0
1300740	1300740	0.029	0.002	9.6	0.007	0.022	0	0
1300741	1300741	0.044	0.002	11.8	0.009	0.035	0	0
1300742	1300742	0.057	0.002	13.5	0.01	0.046	0	0
1300743	1300743	0.086	0.002	16.6	0.005	0.081	0	0
1300744	1300744	0.112	0.001	18.9	0.015	0.097	0	0
1300745	1300745	0.07	0	14.9	0.017	0.053	0	0
1300748	1300748	0.062	0.001	14.1	0.011	0.052	0	0
1300749	1300749	0.012	0.003	6.2	0.012	0	0	0
1300750	1300750	0.018	0.01	7.5	0.012	0.006	0	0
1300751	1300751	0.01	0.011	5.5	0.01	0	0	0
1300752	1300752	0.011	0.001	6	0.011	0	0	0
1300754	1300754	0.013	0.003	6.4	0.012	0.001	0	0
1300755	1300755	0.026	0.001	9.1	0.011	0.016	0	0
1300756	1300756	0.015	0.002	6.9	0.015	0	0	0
1300757	1300757	0.02	0.003	8	0.007	0.014	0	0
1300758	1300758	0.02	0	8	0.012	0.008	0	0
1300760	1300760	0.011	0	6	0.004	0.008	0	0
1300761	1300761	0.008	0.001	4.9	0.007	0	0	0
1300762	1300762	0.007	0.004	4.6	0.007	0	0	0
1300763	1300763	0.007	0.002	4.8	0.007	0	0	0
1300764	1300764	0.045	0.119	11.9	0.017	0.028	0	0
1300765	1300765	0.022	0.004	8.4	0.022	0	0	0
1300766	1300766	0.032	0.002	10.1	0.02	0.012	0	0
1300767	1300767	0.012	0.002	6.1	0.012	0	0	0
1300769	1300769	0.027	0.011	9.2	0.008	0.019	0	0
1300770	1300770	0.013	0.003	6.5	0.013	0	0	0
1300771	1300771	0.014	0.003	6.7	0.014	0	0	0
1300772	1300772	0.111	0.004	18.8	0.056	0.055	0	0
1300773	1300773	0.094	0.003	17.3	0.044	0.05	0	0
1300774	1300774	0.111	0.003	18.8	0.047	0.064	0	0
1300775	1300775	0.15	0.003	21.9	0.057	0.093	0	0
1300776	1300776	0.139	0.001	21	0.054	0.085	0	0
1300777	1300777	0.111	0.001	18.8	0.052	0.059	0	0
1300778	1300778	0.011	0.029	5.9	0.011	0	0	0
1300779	1300779	0.041	0.008	11.5	0.034	0.007	0	0

1300780	1300780	0.045	0.001	12	0.037	0.008	0	0
1300782	1300782	0.099	0.009	17.7	0.055	0.044	0	0
1300783	1300783	0.076	0.01	15.5	0.052	0.024	0	0
1300784	1300784	0.014	0.01	6.6	0.014	0	0	0
1300785	1300785	0.019	0.011	7.8	0.019	0	0	0
1300786	1300786	0.013	0.013	6.3	0.013	0	0	0
1300787	1300787	0.008	0.017	5	0.008	0	0	0
1300788	1300788	0.032	0.012	10	0.027	0.004	0	0
1300789	1300789	0.025	0.011	8.9	0.022	0.002	0	0
1300790	1300790	0.068	0.01	14.7	0.02	0.048	0	0
1300791	1300791	0.021	0.003	8.1	0.015	0.006	0	0
1300792	1300792	0.012	0.002	6.2	0.012	0	0	0
1300793	1300793	0.011	0.004	5.8	0.011	0	0	0
1300794	1300794	0.033	0.004	10.3	0.017	0.016	0	0
1300795	1300795	0.066	0.007	14.5	0.021	0.045	0	0
1300796	1300796	0.068	0.014	14.7	0.013	0.055	0	0
1300797	1300797	0.064	0.003	14.3	0.01	0.054	0	0
1300798	1300798	0.029	0.012	9.6	0.029	0	0	0
1300800	1300800	0.036	0.013	10.8	0.024	0.013	0	0
1300801	1300801	0.038	0.004	11.1	0.018	0.02	0	0
1300802	1300802	0.048	0.004	12.3	0.018	0.03	0	0
1300803	1300803	0.085	0.001	16.4	0.018	0.066	0	0
1300804	1300804	0.049	0.003	12.5	0.014	0.035	0	0
1300805	1300805	0.049	0.002	12.5	0.018	0.031	0	0
1300806	1300806	0.053	0.001	13	0.016	0.037	0	0
1300807	1300807	0.033	0.001	10.2	0.022	0.011	0	0
1300808	1300808	0.027	0.001	9.2	0.02			0.006
1300809	1300809	0.042	0.006	11.6	0.026	0.001		0.015
1300810	1300810	0.052	0.002	12.9	0.019	0.034	0	0
1300811	1300811	0.05	0.001	12.6	0.041	0.006		0.004
1300812	1300812	0.102	0.001	18	0.026	0.061		0.014
1300813	1300813	0.167	0.001	23.1	0.024	0.134		0.01
1300814	1300814	0.077	0.005	15.7	0.027	0.039		0.012
1300815	1300815	0.08	0.004	16	0.031	0.03		0.019
1300816	1300816	0.074	0.001	15.4	0.02	0.054		0.001
1300817	1300817	0.099	0.001	17.7	0.01	0.089	0	0
1300818	1300818	0.037	0.004	10.9	0.019	0.016		0.002
1300819	1300819	0.044	0.004	11.9	0.02	0.005		0.02
1300820	1300820	0.053	0.006	13	0.031			0.023
1300821	1300821	0.039	0.001	11.2	0.022	0.011		0.006
1300822	1300822	0.068	0.003	14.7	0.023	0.044	0	0



Anejo nº1 Datos de partida

Código Subcuencia	Pozo asociado	Área Tributaria (ha)	Pendiente (m/m)	Dimensión (m)	Área Tipo 1 (ha)	Área Tipo 2 (ha)	Área Tipo 3 (ha)	Área Tipo 4 (ha)
1300823	1300823	0.067	0.002	14.6	0.025	0.004		0.038
1300824	1300824	0.01	0.005	5.6	0.008			0.002
1300825	1300825	0.053	0.005	13	0.008			0.046
1300826	1300826	0.045	0.009	11.9	0.022	0.004		0.019
1300827	1300827	0.117	0.001	19.3	0.026	0.078		0.013
1300828	1300828	0.164	0	22.8	0.039	0.098		0.027
1300829	1300829	0.091	0.001	17.1	0.032	0.06	0	0
1300830	1300830	0.16	0.001	22.5	0.032	0.128	0	0
1300831	1300831	0.152	0.002	22	0.032	0.121	0	0
1300832	1300832	0.147	0.001	21.6	0.032	0.115	0	0
1300833	1300833	0.145	0.002	21.5	0.033	0.112	0	0
1300834	1300834	0.139	0.001	21	0.033	0.106	0	0
1300835	1300835	0.138	0.001	21	0.032	0.106	0	0
1300836	1300836	0.187	0.002	24.4	0.06	0.127	0	0
1300837	1300837	0.018	0.005	7.5	0.018	0	0	0
1300838	1300838	0.052	0.006	12.8	0.027	0.025	0	0
1300839	1300839	0.063	0.002	14.2	0.02	0.043	0	0
1300840	1300840	0.096	0.001	17.5	0.024	0.072	0	0
1300841	1300841	0.092	0.003	17.1	0.023	0.07	0	0
1300842	1300842	0.072	0.001	15.2	0.023	0.05	0	0
1300843	1300843	0.046	0.001	12.2	0.022	0.024	0	0
1300844	1300844	0.02	0.004	8	0.018	0.002	0	0
1300845	1300845	0.016	0.01	7	0.008	0.007	0	0
1300846	1300846	0.044	0.001	11.8	0.011	0.032	0	0
1300847	1300847	0.064	0.002	14.3	0.01	0.054	0	0
1300848	1300848	0.07	0.002	15	0.011	0.06	0	0
1300849	1300849	0.069	0.001	14.8	0.011	0.058	0	0
1300851	1300851	0.031	0.007	10	0.026	0.005	0	0
1300852	1300852	0.031	0.002	10	0.028	0.003	0	0
1300853	1300853	0.021	0.006	8.3	0.021	0	0	0
1300854	1300854	0.038	0.005	11	0.011	0.026	0	0
1300855	1300855	0.051	0.003	12.8	0.006	0.045	0	0
1300856	1300856	0.018	0	7.7	0.014	0.004	0	0
1300857	1300857	0.026	0.012	9	0.002	0.024	0	0
1300858	1300858	0.008	0.005	5	0.008	0	0	0
1300859	1300859	0.013	0.003	6.4	0.013	0	0	0
1300860	1300860	0.053	0.005	13	0.031	0.022	0	0
1300861	1300861	0.095	0	17.4	0.03	0.066	0	0
1300862	1300862	0.101	0	18	0.029	0.072	0	0

1300863	1300863	0.08	0.001	16	0.012	0.068	0	0
1300864	1300864	0.024	0.005	8.7	0.018	0.005	0	0
1300865	1300865	0.044	0.04	11.8	0.012	0.032	0	0
1300866	1300866	0.073	0	15.3	0.031	0.042	0	0
1300867	1300867	0.053	0	13	0.028	0.025	0	0
1300868	1300868	0.027	0.001	9.2	0.025	0.001	0	0
1300869	1300869	0.058	0	13.6	0.034	0.024	0	0
1300870	1300870	0.11	0	18.7	0.038	0.072	0	0
1300871	1300871	0.124	0.001	19.9	0.031	0.093	0	0
1300872	1300872	0.151	0.005	21.9	0.04	0.11	0	0
1300873	1300873	0.05	0.004	12.6	0.023	0.026	0	0
1300874	1300874	0.026	0.003	9	0.022	0.003	0	0
1300875	1300875	0.045	0.038	11.9	0.001	0.044	0	0
1300876	1300876	0.035	0.003	10.6	0.024	0.011	0	0
1300877	1300877	0.082	0.002	16.1	0.032	0.049	0	0
1300878	1300878	0.132	0.002	20.5	0.036	0.097	0	0
1300879	1300879	0.086	0.002	16.5	0.037	0.048	0	0
1300880	1300880	0.052	0.001	12.8	0.026	0.026	0	0
1300881	1300881	0.07	0.001	14.9	0.046	0.007		0.017
1300882	1300882	0.08	0.002	16	0.044	0.036		0
1300883	1300883	0.049	0.001	12.5	0.041	0.008	0	0
1300886	1300886	0.017	0.001	7.4	0.015	0.002	0	0
1300887	1300887	0.069	0.001	14.8	0.008	0.061	0	0
1300888	1300888	0.062	0.003	14	0.024	0.037	0	0
1300889	1300889	0.04	0.001	11.3	0.025	0.015	0	0
1300890	1300890	0.091	0.002	17	0.028	0.063	0	0
1300891	1300891	0.073	0	15.2	0.024	0.048	0	0
1300892	1300892	0.116	0.001	19.2	0.009	0.107	0	0
1300893	1300893	0.085	0.001	16.5	0.026	0.059	0	0
1300894	1300894	0.062	0	14.1	0.031	0.032	0	0
1300895	1300895	0.089	0.001	16.9	0.007	0.083	0	0
1300897	1300897	0.058	0.001	13.5	0.037	0.021	0	0
1300898	1300898	0.255	0.018	28.5	0.066		0.189	0
1300899	1300899	0.124	0.006	19.9	0.086		0.037	0
1300900	1300900	0.414	0	36.3	0.129		0.285	0
1300905	1300905	0.073	0.002	15.2	0.046	0.026	0	0
1300907	1300907	0.116	0.014	19.2	0.055	0.042	0.019	0
1300908	1300908	0.095	0.004	17.4	0.045	0.05	0	0
1300910	1300910	0.09	0.002	16.9	0.026	0.064	0	0
1300912	1300912	0.04	0.004	11.3	0.012	0.028	0	0
1300913	1300913	0.018	0.026	7.6	0.015	0.003	0	0



Anejo nº1 Datos de partida

Código Subcuenca	Pozo asociado	Área Tributaria (ha)	Pendiente (m/m)	Dimensión (m)	Área Tipo 1 (ha)	Área Tipo 2 (ha)	Área Tipo 3 (ha)	Área Tipo 4 (ha)
1300914	1300914	0.006	0.013	4.5	0.006	0	0	0
1300915	1300915	0.053	0.001	13	0.025	0.028	0	0
1300916	1300916	0.049	0.001	12.4	0.031	0.017	0	0
1300917	1300917	0.008	0	5.1	0.007	0.001	0	0
1300918	1300918	0.027	0.001	9.2	0.025	0.001	0	0
1300935	1300935	0.822	0	51.1	0.492	0.275		0.054
1300940	1300940	0.251	0	28.3	0.135	0.116	0	0
1300946	1300946	0.386	0.019	35	0.249	0.02	0.071	0.046
1300954	1300954	0.226	0.005	26.8	0.145	0.081	0	0
1300968	1300968	0.36	0.008	33.8	0.137	0.222	0	0
1300982	1300982	0.321	0.006	32	0.221	0.065		0.035
1300983	1300983	0.139	0.001	21	0.094			0.045
1300984	1300984	0.153	0.004	22.1	0.082			0.071
1300985	1300985	0.313	0.013	31.6	0.241	0.072	0	0
1300988	1300988	0.135	0	20.8	0.061	0.061		0.014
1300989	1300989	0.117	0	19.3	0.044	0.029		0.043
1300991	1300991	0.103	0	18.1	0.041	0.029		0.033
1300992	1300992	0.082	0	16.2	0.041	0.029		0.012
1300994	1300994	0.036	0	10.7	0.016	0.02	0	0
1300995	1300995	0.023	0.011	8.5	0.023	0	0	0
1300997	1300997	0.022	0.047	8.4	0.016	0.006	0	0
1300998	1300998	0.024	0.009	8.8	0.024	0	0	0
1300999	1300999	0.037	0.007	10.8	0.035	0.002	0	0
1301000	1301000	0.031	0.005	9.9	0.031	0	0	0
1301001	1301001	0.159	0.001	22.5	0.141	0.018	0	0
1301004	1301004	0.257	0.006	28.6	0.183			0.074
1301005	1301005	0.078	0.002	15.7	0.016			0.061
1301006	1301006	0.058	0.003	13.5	0.035			0.022
1301007	1301007	0.04	0.007	11.3	0.032	0		0.008
1301008	1301008	0.088	0.008	16.7	0.036	0.028		0.024
1301022	1301022	0.231	0.035	27.1	0.169	0		0.062
1301026	1301026	0.142	0.009	21.2	0.035	0.037		0.069
1301027	1301027	0.168	0.006	23.1	0.043	0.046		0.079
1301028	1301028	0.161	0.002	22.7	0.036	0.061		0.064
1301029	1301029	0.132	0.002	20.5	0.035	0.058		0.039
1301030	1301030	0.119	0.006	19.4	0.036	0.025		0.058
1301031	1301031	0.088	0	16.7	0.032	0.004		0.052
1301032	1301032	0.075	0.003	15.5	0.02			0.055
1301039	1301039	0.187	0.016	24.4	0.105	0.027		0.055

1301041	1301041	0.115	0.004	19.1	0.074	0.005		0.036
1301044	1301044	0.123	0.005	19.8	0.072	0.016		0.035
1301046	1301046	0.126	0.009	20.1	0.066	0.025		0.036
1301050	1301050	0.13	0	20.4	0.089	0.005		0.037
1301053	1301053	0.098	0.004	17.6	0.056	0.016		0.026
1301064	1301064	0.061	0.01	13.9	0.016			0.044
1301065	1301065	0.093	0.005	17.2	0.033			0.059
1301066	1301066	0.098	0.011	17.7	0.039	0		0.059
1301067	1301067	0.093	0.006	17.2	0.037	0		0.056
1301068	1301068	0.095	0.011	17.4	0.037	0		0.057
1301069	1301069	0.094	0.002	17.3	0.037	0		0.057
1301070	1301070	0.086	0	16.5	0.029			0.056
1301072	1301072	0.117	0.009	19.3	0.035	0.022		0.06
1301073	1301073	0.121	0.014	19.6	0.031	0.012		0.078
1301074	1301074	0.084	0.001	16.3	0.034	0.004		0.046
1301075	1301075	0.065	0.013	14.3	0.016			0.048
1301076	1301076	0.049	0.003	12.5	0.013			0.037
1301081	1301081	0.086	0.001	16.6	0.061	0.01		0.016
1301082	1301082	0.091	0.01	17	0.035	0.001		0.055
1301083	1301083	0.097	0.007	17.6	0.032	0		0.064
1301084	1301084	0.101	0.012	17.9	0.034	0.008		0.059
1301085	1301085	0.028	0.023	9.5	0.005	0.018		0.005
1301086	1301086	0.036	0.001	10.7	0.008	0.021		0.007
1301087	1301087	0.041	0.004	11.4	0.007	0.034	0	0
1301088	1301088	0.067	0.001	14.6	0.013	0.047		0.007
1301089	1301089	0.189	0.003	24.5	0.035	0.154	0	0
1301090	1301090	0.065	0.002	14.4	0.01	0.055	0	0
1301091	1301091	0.083	0.002	16.2	0.011	0.072	0	0
1301092	1301092	0.042	0.002	11.5	0.008	0.034	0	0
1301093	1301093	0.028	0.004	9.5	0.001	0.028	0	0
1301094	1301094	0.035	0.002	10.6	0.006	0.029	0	0
1301095	1301095	0.102	0	18	0.023	0.079	0	0
1301099	1301099	0.081	0	16	0.016	0.065	0	0
1301100	1301100	0.082	0.007	16.2	0.023	0.06	0	0
1301101	1301101	0.063	0.002	14.2	0.025	0.039	0	0
1301102	1301102	0.107	0	18.5	0.027	0.08	0	0
1301103	1301103	0.059	0.006	13.8	0.012	0.048	0	0
1301104	1301104	0.038	0.001	11	0.012	0.026	0	0
1301105	1301105	0.031	0.001	9.9	0.021	0.01	0	0
1301106	1301106	0.089	0.003	16.8	0.016	0.024		0.049
1301107	1301107	0.089	0.002	16.8	0.015	0.034		0.039



Anejo nº1 Datos de partida

Código Subcuenca	Pozo asociado	Área Tributaria (ha)	Pendiente (m/m)	Dimensión (m)	Área Tipo 1 (ha)	Área Tipo 2 (ha)	Área Tipo 3 (ha)	Área Tipo 4 (ha)
1301108	1301108	0.048	0.001	12.3	0.008	0.003		0.037
1301109	1301109	0.161	0.012	22.6	0.023	0.08		0.059
1301110	1301110	0.164	0.002	22.9	0.021	0.089		0.054
1301111	1301111	0.072	0.009	15.1	0.013	0.012		0.046
1301112	1301112	0.115	0.003	19.2	0.042	0.073	0	0
1301113	1301113	0.138	0.001	21	0.037	0.102	0	0
1301114	1301114	0.045	0.003	12	0.032	0.009		0.004
1301115	1301115	0.014	0.001	6.7	0.013			0
1301116	1301116	0.022	0	8.4	0.019			0.003
1301117	1301117	0.082	0.004	16.2	0.028	0.054	0	0
1301118	1301118	0.121	0.002	19.7	0.03	0.092	0	0
1301119	1301119	0.029	0.003	9.5	0.01	0.019	0	0
1301120	1301120	0.027	0.007	9.2	0.018	0.009	0	0
1301122	1301122	0.055	0.01	13.2	0.017	0.037	0	0
1301123	1301123	0.097	0.002	17.6	0.015	0.082	0	0
1301124	1301124	0.13	0.003	20.3	0.016	0.114	0	0
1301125	1301125	0.129	0	20.3	0.015	0.114	0	0
1301126	1301126	0.055	0.006	13.2	0.009	0.046	0	0
1301127	1301127	0.177	0.004	23.7	0.001	0.175	0	0
1301128	1301128	0.059	0.003	13.7	0.009	0.05	0	0
1301129	1301129	0.101	0.003	17.9	0.017	0.084	0	0
1301130	1301130	0.106	0.006	18.4	0.014	0.092	0	0
1301131	1301131	0.245	0.001	27.9	0.034	0.211	0	0
1301132	1301132	0.091	0.002	17.1	0.073	0.016		0.003
1301133	1301133	0.101	0.005	17.9	0.048	0.035		0.017
1301134	1301134	0.042	0.005	11.5	0.034			0.008
1301135	1301135	0.015	0.003	7	0.015	0	0	0
1301136	1301136	0.013	0.021	6.4	0.013	0	0	0
1301137	1301137	0.017	0.008	7.5	0.017			0
1301138	1301138	0.023	0.003	8.6	0.023	0	0	0
1301139	1301139	0.032	0.001	10.1	0.032	0	0	0
1301140	1301140	0.026	0	9.2	0.026	0	0	0
1301142	1301142	0.069	0.001	14.9	0.05			0.02
1301143	1301143	0.07	0.001	14.9	0.032			0.038
1301144	1301144	0.08	0	15.9	0.033			0.047
1301145	1301145	0.059	0.002	13.7	0.027			0.032
1301146	1301146	0.023	0.003	8.6	0.018			0.006
1301147	1301147	0.006	0	4.5	0.006	0	0	0
1301148	1301148	0.029	0.004	9.6	0.013	0.016	0	0

1301149	1301149	0.032	0.004	10.1	0.017			0.015
1301150	1301150	0.039	0.001	11.1	0.019	0.02	0	0
1301151	1301151	0.061	0.004	14	0.024	0.037	0	0
1301152	1301152	0.049	0.003	12.5	0.018			0.031
1301153	1301153	0.06	0.004	13.8	0.035	0.024		0.001
1301154	1301154	0.013	0.002	6.3	0.013			0
1301155	1301155	0.006	0	4.3	0.006	0	0	0
1301156	1301156	0.036	0.005	10.7	0.036	0	0	0
1301157	1301157	0.024	0.003	8.7	0.022	0		0.002
1301158	1301158	0.032	0.004	10.1	0.028			0.004
1301159	1301159	0.025	0.004	8.9	0.025	0	0	0
1301160	1301160	0.011	0.13	5.9	0.011	0	0	0
1301161	1301161	0.053	0.006	13	0.026	0.027	0	0
1301162	1301162	0.07	0.002	15	0.011	0.059	0	0
1301163	1301163	0.05	0.006	12.6	0.01	0.04	0	0
1301164	1301164	0.038	0.003	11	0.013	0.024	0	0
1301165	1301165	0.035	0.005	10.6	0.016	0.019	0	0
1301166	1301166	0.054	0.002	13.1	0.012	0.042	0	0
1301167	1301167	0.067	0	14.6	0.012	0.056	0	0
1301168	1301168	0.037	0.011	10.9	0.013	0.024	0	0
1301169	1301169	0.019	0.004	7.7	0.012	0.006	0	0
1301170	1301170	0.023	0.004	8.6	0.013			0.01
1301175	1301175	0.069	0	14.8	0.007	0.061	0	0
1301176	1301176	0.077	0	15.6	0.005	0.072	0	0
1301177	1301177	0.056	0.001	13.3	0.006	0.05	0	0
1301178	1301178	0.035	0.004	10.6	0.005	0.031	0	0
1301179	1301179	0.022	0.013	8.4	0.004	0.018	0	0
1301199	1301199	0.023	0.044	8.6	0.01			0.013
1301200	1301200	0.047	0.067	12.2	0			0.047
1301201	1301201	0.066	0.037	14.5	0.009			0.057
1301202	1301202	0.053	0.01	12.9	0.02			0.033
1301203	1301203	0.039	0.012	11.1	0.036			0.003
1301204	1301204	0.115	0.001	19.1	0.069			0.046
1301205	1301205	0.134	0.001	20.7	0.07			0.064
1301206	1301206	0.197	0.016	25	0.002			0.195
1301208	1301208	0.064	0.049	14.3	0			0.064
1301209	1301209	0.02	0	7.9	0			0.02
1301210	1301210	0.161	0.03	22.6	0.011			0.151
1301211	1301211	0.158	0.038	22.4	0			0.158
1301212	1301212	0.029	0.007	9.7	0.009	0.02	0	0
1301213	1301213	0.023	0.012	8.5	0.006	0.017	0	0



Anejo nº1 Datos de partida

Código Subcuenca	Pozo asociado	Área Tributaria (ha)	Pendiente (m/m)	Dimensión (m)	Área Tipo 1 (ha)	Área Tipo 2 (ha)	Área Tipo 3 (ha)	Área Tipo 4 (ha)
1301214	1301214	0.028	0.003	9.4	0.028	0	0	0
1301215	1301215	0.014	0.009	6.6	0.014	0	0	0
1301216	1301216	0.009	0.04	5.3	0.009	0	0	0
1301217	1301217	0.016	0.019	7	0.008	0.008	0	0
1301218	1301218	0.029	0.001	9.7	0.008	0.021	0	0
1301219	1301219	0.019	0.029	7.9	0.019	0	0	0
1301220	1301220	0.097	0.004	17.6	0.057	0.041	0	0
1301221	1301221	0.019	0.016	7.8	0.019	0	0	0
1301222	1301222	0.024	0.004	8.8	0.024	0	0	0
1301223	1301223	0.041	0.007	11.4	0.041	0	0	0
1301224	1301224	0.05	0.003	12.6	0.05	0	0	0
1301225	1301225	0.053	0.002	13	0.053	0	0	0
1301226	1301226	0.053	0	13	0.053	0	0	0
1301227	1301227	0.056	0	13.3	0.056	0	0	0
1301228	1301228	0.046	0.001	12.1	0.038	0.008	0	0
1301229	1301229	0.083	0.002	16.3	0.021	0.062	0	0
1301230	1301230	0.046	0.003	12.1	0.021	0.025	0	0
1301231	1301231	0.064	0.003	14.3	0.064	0	0	0
1301232	1301232	0.039	0.002	11.1	0.02	0.019	0	0
1301233	1301233	0.111	0.002	18.8	0.106	0.005	0	0
1301250	1301250	0.266	0.006	29.1	0.241	0.025	0	0
1301260	1301260	0.839	0.001	51.7	0.54	0.023		0.276
1301263	1301263	0.229	0	27	0.089	0.087		0.053
1301264	1301264	0.131	0.001	20.4	0.063	0.043		0.025
1301265	1301265	0.063	0.003	14.1	0.036	0.022		0.005
1301267	1301267	0.039	0.002	11.1	0.029	0.01	0	0
1301268	1301268	0.035	0.003	10.5	0.031	0.004	0	0
1301269	1301269	0.193	0.006	24.8	0.132	0.007		0.054
1301270	1301270	0.018	0.009	7.7	0.014			0.004
1301290	1301290	0.136	0.001	20.8	0.089			0.048
1301291	1301291	0.155	0.007	22.2	0.14			0.015
1301293	1301293	0.277	0.008	29.7	0.226	0		0.051
1301297	1301297	0.174	0.001	23.5	0.097	0.029		0.049
1301301	1301301	0.058	0.005	13.6	0.018	0.004		0.035
1301302	1301302	0.03	0.002	9.8	0.027	0		0.003
1301303	1301303	0.069	0.001	14.8	0.018	0.008		0.042
1301305	1301305	0.037	0.004	10.8	0.031	0.006	0	0
1301306	1301306	0.032	0.006	10.2	0.019	0.014	0	0
1301307	1301307	0.033	0.008	10.3	0.029	0.004	0	0

1301309	1301309	0.076	0.021	15.6	0.019	0.012		0.046
1301310	1301310	0.592	0.003	43.4	0.329	0.094		0.169
1301311	1301311	0.153	0.062	22.1	0.076	0.05		0.027
1301317	1301317	0.057	0	13.5	0.045	0.009		0.003
1301318	1301318	0.032	0.003	10.1	0.027	0.004	0	0
1301319	1301319	0.015	0.003	7	0.015	0	0	0
1301320	1301320	0.107	0.005	18.5	0.029	0.077	0	0
1301321	1301321	0.123	0.003	19.8	0.01	0.113	0	0
1301322	1301322	0.05	0	12.7	0.029	0.022	0	0
1301323	1301323	0.072	0.002	15.1	0.033	0.039	0	0
1301324	1301324	0.049	0.004	12.5	0.014	0.035	0	0
1301325	1301325	0.039	0	11.1	0.01	0.029	0	0
1301326	1301326	0.035	0.026	10.6	0.007	0.028	0	0
1301327	1301327	0.021	0.002	8.1	0.019	0.002	0	0
1301328	1301328	0.021	0.007	8.1	0.016	0.002		0.003
1301329	1301329	0.047	0.008	12.2	0.008	0.025		0.014
1301330	1301330	0.035	0	10.5	0.008	0.01		0.018
1301331	1301331	0.01	0.005	5.5	0.01	0	0	0
1301332	1301332	0.032	0.012	10.1	0.03	0.001		0
1301333	1301333	0.029	0.005	9.7	0.018	0.012	0	0
1301334	1301334	0.063	0.002	14.1	0.014	0.048	0	0
1301335	1301335	0.021	0.011	8.2	0.012	0.009	0	0
1301336	1301336	0.004	0.001	3.7	0.004	0	0	0
1301337	1301337	0.043	0.002	11.6	0.002	0.041	0	0
1301338	1301338	0.025	0.002	8.9	0.01	0.014	0	0
1301339	1301339	0.032	0.003	10.1	0.013	0.02	0	0
1301340	1301340	0.076	0.007	15.6	0.032	0.044		0.001
1301341	1301341	0.004	0.001	3.5	0.004	0	0	0
1301342	1301342	0.157	0.002	22.4	0.037	0.12	0	0
1301343	1301343	0.059	0.002	13.7	0.015	0.024		0.02
1301344	1301344	0.044	0.001	11.8	0.014	0.012		0.017
1301345	1301345	0.012	0.036	6.1	0.012			0
1301346	1301346	0.009	0.006	5.3	0.009	0	0	0
1301347	1301347	0.005	0.005	4.1	0.005			0
1301348	1301348	0.072	0.003	15.2	0.046	0.021		0.005
1301349	1301349	0.005	0	3.9	0.005	0	0	0
1301350	1301350	0.006	0.003	4.5	0.006	0	0	0
1301351	1301351	0.028	0.005	9.4	0.013	0.001		0.014
1301352	1301352	0.025	0.01	8.9	0.025	0	0	0
1301353	1301353	0.05	0.003	12.6	0.026	0.002		0.022
1301354	1301354	0.048	0.002	12.4	0.025	0.002		0.021



Anejo nº1 Datos de partida

Código Subcuenca	Pozo asociado	Área Tributaria (ha)	Pendiente (m/m)	Dimensión (m)	Área Tipo 1 (ha)	Área Tipo 2 (ha)	Área Tipo 3 (ha)	Área Tipo 4 (ha)
1301355	1301355	0.011	0.011	6	0.011	0	0	0
1301356	1301356	0.041	0.001	11.4	0.028	0.013	0	0
1301357	1301357	0.034	0.001	10.3	0.03	0.004	0	0
1301358	1301358	0.035	0.008	10.6	0.015	0.02	0	0
1301359	1301359	0.036	0.021	10.8	0.02	0.016	0	0
1301360	1301360	0.03	0.002	9.8	0.013	0.017	0	0
1301361	1301361	0.023	0.008	8.5	0.023	0	0	0
1301362	1301362	0.105	0	18.3	0.018	0.087	0	0
1301363	1301363	0.127	0	20.1	0.082	0.023		0.022
1301364	1301364	0.115	0.001	19.1	0.035			0.08
1301365	1301365	0.092	0.004	17.1	0.015			0.076
1301366	1301366	0.054	0.012	13.1	0.009	0.025		0.02
1301367	1301367	0.029	0.011	9.6	0.002	0.025		0.002
1301368	1301368	0.017	0.002	7.3	0.007	0.003		0.007
1301369	1301369	0.038	0.003	11	0.004	0.031		0.003
1301370	1301370	0.04	0.006	11.3	0.007	0.027		0.006
1301371	1301371	0.041	0.011	11.4	0.014	0.007		0.02
1301372	1301372	0.019	0.003	7.9	0.005	0.014	0	0
1301373	1301373	0.078	0	15.8	0.056	0.005		0.017
1301374	1301374	0.034	0.015	10.5	0.032	0.002	0	0
1301375	1301375	0.017	0.006	7.4	0.017	0	0	0
1301377	1301377	0.025	0.006	8.9	0.025	0	0	0
1301378	1301378	0.026	0.004	9.2	0.015	0.011	0	0
1301379	1301379	0.034	0	10.4	0.017	0.017	0	0
1301380	1301380	0.029	0.002	9.6	0.017	0.013	0	0
1301381	1301381	0.008	0.016	5	0.008	0	0	0
1301382	1301382	0.037	0.016	10.8	0.028	0.009	0	0
1301383	1301383	0.114	0.008	19	0.028	0.085	0	0
1301384	1301384	0.046	0.001	12.1	0.041	0.005	0	0
1301385	1301385	0.051	0.001	12.7	0.045	0.006	0	0
1301386	1301386	0.042	0.008	11.6	0.036	0.006	0	0
1301387	1301387	0.017	0.008	7.3	0.017	0	0	0
1301388	1301388	0.011	0.017	6	0.011	0	0	0
1301389	1301389	0.021	0.004	8.1	0.012	0.009	0	0
1301390	1301390	0.01	0.002	5.7	0.009	0.001	0	0
1301391	1301391	0.005	0.002	4	0.005	0	0	0
1301392	1301392	0.014	0.002	6.6	0.012	0.002	0	0
1301393	1301393	0.027	0.001	9.2	0.021	0.006	0	0
1301394	1301394	0.046	0.009	12.1	0.003	0.043	0	0

1301395	1301395	0.039	0.009	11.2	0.003	0.037	0	0
1301396	1301396	0.027	0.003	9.2	0.014	0.001		0.012
1301397	1301397	0.07	0.005	15	0.026	0.028		0.017
1301398	1301398	0.08	0.002	16	0.03	0.029		0.021
1301399	1301399	0.064	0.002	14.3	0.028	0		0.036
1301400	1301400	0.176	0.008	23.7	0.006	0.171	0	0
1301401	1301401	0.073	0.001	15.2	0.001	0.065		0.007
1301402	1301402	0.022	0.01	8.4	0.008	0		0.014
1301403	1301403	0.039	0.021	11.1	0.031			0.008
1301404	1301404	0.02	0.002	8	0.014			0.006
1301405	1301405	0.013	0	6.5	0.013			0
1301406	1301406	0.034	0.012	10.4	0.025			0.009
1301407	1301407	0.145	0.022	21.5	0.05	0.095	0	0
1301408	1301408	0.213	0.002	26	0.058	0.123		0.031
1301409	1301409	0.151	0.001	21.9	0.042	0.092		0.017
1301410	1301410	0.07	0.001	14.9	0.027	0.031		0.013
1301411	1301411	0.094	0.007	17.3	0.076	0.004		0.015
1301414	1301414	0.037	0.007	10.8	0.021	0.011		0.004
1301415	1301415	0.01	0.003	5.6	0.009			0.001
1301416	1301416	0.057	0.003	13.4	0.034	0.02		0.001
1301417	1301417	0.027	0.008	9.2	0.005	0.022	0	0
1301418	1301418	0.046	0.002	12.1	0.02	0.026	0	0
1301419	1301419	0.012	0.008	6.2	0.012	0	0	0
1301420	1301420	0.019	0.001	7.9	0.018			0.002
1301421	1301421	0.198	0.01	25.1	0.068	0.004		0.126
1301422	1301422	0.072	0.005	15.2	0.039	0.033	0	0
1301423	1301423	0.3	0	30.9	0.213	0.005		0.081
1301424	1301424	0.057	0.001	13.5	0.034	0.024	0	0
1301425	1301425	0.046	0.001	12.1	0.023	0.024	0	0
1301426	1301426	0.026	0.002	9.1	0.021	0.005	0	0
1301427	1301427	0.015	0.01	6.8	0.013	0.001	0	0
1301428	1301428	0.007	0.019	4.8	0.007	0	0	0
1301429	1301429	0.014	0.02	6.6	0.014	0	0	0
1301430	1301430	0.157	0.004	22.4	0.069	0.088	0	0
1301431	1301431	0.043	0	11.7	0.036	0.007	0	0
1301432	1301432	0.036	0.001	10.8	0.036	0	0	0
1301433	1301433	0.048	0.002	12.3	0.042	0.003		0.003
1301434	1301434	0.056	0.002	13.3	0.031			0.024
1301435	1301435	0.053	0	13	0.029			0.024
1301436	1301436	0.04	0.002	11.3	0.029			0.011
1301437	1301437	0.024	0.002	8.8	0.024			0.001



Anejo nº1 Datos de partida

Código Subcuena	Pozo asociado	Área Tributaria (ha)	Pendiente (m/m)	Dimensión (m)	Área Tipo 1 (ha)	Área Tipo 2 (ha)	Área Tipo 3 (ha)	Área Tipo 4 (ha)
1301438	1301438	0.038	0.001	11.1	0.038	0	0	0
1301440	1301440	0.033	0.002	10.3	0.033	0	0	0
1301441	1301441	0.03	0.001	9.7	0.029	0.001	0	0
1301442	1301442	0.042	0.009	11.6	0.035			0.007
1301443	1301443	0.031	0.014	10	0.029	0.003	0	0
1301444	1301444	0.048	0.002	12.3	0.031	0.017	0	0
1301445	1301445	0.053	0.001	13	0.028	0.024	0	0
1301446	1301446	0.038	0.001	11	0.027	0.011	0	0
1301447	1301447	0.037	0	10.8	0.028	0.009	0	0
1301448	1301448	0.04	0	11.2	0.034	0.006	0	0
1301449	1301449	0.027	0.004	9.3	0.027	0	0	0
1301450	1301450	0.035	0.001	10.6	0.035	0	0	0
1301451	1301451	0.033	0.006	10.2	0.033	0	0	0
1301452	1301452	0.04	0.01	11.3	0.04	0	0	0
1301453	1301453	0.039	0.027	11.1	0.032	0.007	0	0
1301454	1301454	0.05	0.003	12.6	0.045	0.005	0	0
1301455	1301455	0.076	0.006	15.5	0.028	0.048	0	0
1301456	1301456	0.049	0	12.5	0.047	0.003	0	0
1301459	1301459	0.03	0	9.7	0.022	0.007	0	0
1301460	1301460	0.061	0.002	13.9	0.031	0.03	0	0
1301461	1301461	0.065	0.003	14.4	0.032	0.033	0	0
1301462	1301462	0.072	0.003	15.1	0.038	0.034	0	0
1301463	1301463	0.068	0.003	14.7	0.039	0.028	0	0
1301465	1301465	0.039	0.004	11.1	0.034	0.004	0	0
1301467	1301467	0.071	0	15.1	0.036	0.035	0	0
1301468	1301468	0.066	0	14.5	0.036	0.027		0.003
1301469	1301469	0.042	0	11.5	0.026	0.016	0	0
1301470	1301470	0.066	0.008	14.5	0.045	0.022	0	0
1301471	1301471	0.042	0.004	11.6	0.042	0	0	0
1301472	1301472	0.036	0.003	10.6	0.032	0.003	0	0
1301473	1301473	0.052	0	12.8	0.03	0.018		0.003
1301474	1301474	0.069	0.004	14.9	0.032	0.019		0.018
1301475	1301475	0.061	0.002	13.9	0.032	0.019		0.01
1301476	1301476	0.061	0.001	14	0.031	0.026		0.005
1301477	1301477	0.075	0.004	15.4	0.031	0.032		0.012
1301478	1301478	0.094	0.006	17.3	0.03	0.027		0.037
1301479	1301479	0.068	0.006	14.7	0.031	0.028		0.009
1301480	1301480	0.042	0.007	11.5	0.038	0.004	0	0
1301482	1301482	0.014	0.002	6.6	0.008	0.006	0	0

1301483	1301483	0.022	0.007	8.3	0.021	0.001	0	0
1301484	1301484	0.021	0.005	8.3	0.021	0	0	0
1301485	1301485	0.053	0.005	13	0.008	0.026		0.018
1301486	1301486	0.068	0.006	14.7	0.03	0.019		0.019
1301487	1301487	0.091	0.003	17.1	0.029	0.033		0.03
1301488	1301488	0.08	0.003	16	0.03	0.034		0.017
1301489	1301489	0.065	0.002	14.3	0.029	0.019		0.017
1301490	1301490	0.048	0.001	12.4	0.029	0.018		0.002
1301491	1301491	0.033	0.004	10.2	0.031	0.001	0	0
1301492	1301492	0.025	0.002	8.8	0.025	0	0	0
1301493	1301493	0.057	0.002	13.4	0.028	0.029	0	0
1301494	1301494	0.055	0.002	13.2	0.024	0.031	0	0
1301495	1301495	0.042	0.004	11.6	0.034	0.008	0	0
1301496	1301496	0.068	0.002	14.7	0.023	0.045	0	0
1301497	1301497	0.037	0.008	10.9	0.018	0.017		0.002
1301498	1301498	0.06	0.011	13.8	0.023	0.037	0	0
1301499	1301499	0.034	0.004	10.4	0.023	0.011	0	0
1301500	1301500	0.053	0.013	13	0.017	0.019		0.017
1301501	1301501	0.07	0.006	14.9	0.018	0.019		0.033
1301502	1301502	0.021	0.011	8.2	0.018	0.003	0	0
1301503	1301503	0.076	0.005	15.5	0.018	0.019		0.039
1301504	1301504	0.047	0.003	12.2	0.02	0.026	0	0
1301505	1301505	0.043	0.005	11.6	0.021	0.009		0.013
1301506	1301506	0.016	0.005	7.2	0.015	0.001	0	0
1301507	1301507	0.027	0.008	9.2	0.022	0.004	0	0
1301509	1301509	0.032	0.02	10.1	0.018	0.014	0	0
1301510	1301510	0.028	0.001	9.5	0.028	0	0	0
1301511	1301511	0.07	0.001	14.9	0.05	0.02	0	0
1301512	1301512	0.052	0.001	12.8	0.047	0.004	0	0
1301513	1301513	0.021	0.009	8.1	0.021	0	0	0
1301514	1301514	0.076	0.001	15.6	0.055	0.021	0	0
1301515	1301515	0.104	0.003	18.2	0.05	0.043		0.01
1301516	1301516	0.089	0.003	16.9	0.045	0.026		0.018
1301517	1301517	0.056	0.003	13.3	0.027	0.024		0.005
1301518	1301518	0.08	0.004	16	0.047	0.03		0.003
1301519	1301519	0.089	0.003	16.8	0.045	0.044		0
1301522	1301522	0.03	0.005	9.8	0.012	0.005		0.014
1301523	1301523	0.048	0.002	12.4	0.008	0.04	0	0
1301524	1301524	0.04	0.003	11.3	0.007	0.033	0	0
1301525	1301525	0.044	0.001	11.8	0.009	0.035	0	0
1301526	1301526	0.055	0.003	13.2	0.01	0.023		0.022



Anejo nº1 Datos de partida

Código Subcuenca	Pozo asociado	Área Tributaria (ha)	Pendiente (m/m)	Dimensión (m)	Área Tipo 1 (ha)	Área Tipo 2 (ha)	Área Tipo 3 (ha)	Área Tipo 4 (ha)
1301527	1301527	0.051	0.001	12.8	0.01	0.018		0.024
1301528	1301528	0.058	0.003	13.5	0.015	0.005		0.038
1301529	1301529	0.115	0	19.1	0.013	0.052		0.05
1301530	1301530	0.025	0	9	0.003	0.008		0.014
1301531	1301531	0.035	0.002	10.5	0.003	0.012		0.019
1301532	1301532	0.06	0.007	13.8	0.007	0.022		0.031
1301533	1301533	0.051	0.004	12.7	0.008	0.029		0.014
1301534	1301534	0.036	0.002	10.7	0.008	0.022		0.006
1301535	1301535	0.022	0.011	8.4	0.006	0		0.016
1301536	1301536	0.02	0.013	8	0.019	0.001	0	0
1301537	1301537	0.051	0.003	12.8	0.015	0.024		0.013
1301538	1301538	0.065	0.002	14.4	0.009	0.042		0.014
1301539	1301539	0.285	0.002	30.1	0.092	0.033		0.16
1301541	1301541	0.182	0.003	24.1	0.02	0.124		0.037
1301542	1301542	0.065	0	14.4	0.011	0.029		0.026
1301543	1301543	0.013	0.003	6.3	0.002			0.011
1301544	1301544	0.018	0.004	7.6	0.004	0.002		0.012
1301545	1301545	0.02	0.003	8	0.004	0.001		0.016
1301546	1301546	0.085	0.002	16.4	0.013	0.045		0.027
1301547	1301547	0.042	0.003	11.6	0.007	0.029		0.006
1301548	1301548	0.041	0.018	11.4	0.018	0.022		0
1301549	1301549	0.023	0.018	8.6	0.006	0.012		0.005
1301550	1301550	0.153	0.007	22	0.091	0.039		0.024
1301552	1301552	0.142	0.002	21.3	0.001	0.047		0.094
1301553	1301553	0.107	0.001	18.5	0	0.02		0.087
1301556	1301556	0.007	0.01	4.7	0.007	0	0	0
1301557	1301557	0.043	0.001	11.7	0.043	0	0	0
1301559	1301559	0.022	0.002	8.3	0.007	0.015	0	0
1301560	1301560	0.026	0.003	9	0.013	0.013	0	0
1301561	1301561	0.041	0.002	11.4	0.012	0.029	0	0
1301562	1301562	0.023	0.02	8.5	0.023	0	0	0
1301563	1301563	0.015	0.008	6.9	0.015	0	0	0
1301564	1301564	0.01	0	5.8	0.01	0	0	0
1301565	1301565	0.004	0.007	3.7	0.004	0	0	0
1301566	1301566	0.012	0.023	6.2	0.012	0	0	0
1301568	1301568	0.029	0.001	9.6	0.029	0	0	0
1301569	1301569	0.012	0.005	6.1	0.012	0	0	0
1301570	1301570	0.097	0.001	17.6	0.016	0.08	0	0
1301571	1301571	0.142	0	21.2	0.007	0.135	0	0

1301572	1301572	0.122	0.002	19.7	0.017	0.105	0	0
1301573	1301573	0.104	0.002	18.2	0.019	0.085	0	0
1301574	1301574	0.027	0	9.2	0.001	0.026	0	0
1301575	1301575	0.015	0.012	6.9	0.005	0.009	0	0
1301576	1301576	0.015	0.001	6.9	0.015	0	0	0
1301577	1301577	0.033	0	10.2	0.033	0	0	0
1301578	1301578	0.056	0	13.3	0.045	0.01	0	0
1301579	1301579	0.067	0.002	14.7	0.034	0.021		0.013
1301580	1301580	0.105	0.002	18.3	0.046	0.036		0.023
1301581	1301581	0.072	0.003	15.1	0.035	0.017		0.019
1301582	1301582	0.019	0.04	7.7	0.011	0.007		0
1301584	1301584	0.009	0.02	5.4	0.009	0	0	0
1301585	1301585	0.074	0.001	15.4	0.012	0.063	0	0
1301586	1301586	0.114	0	19	0.012	0.102	0	0
1301587	1301587	0.13	0	20.3	0.012	0.117	0	0
1301588	1301588	0.122	0	19.7	0.011	0.111	0	0
1301589	1301589	0.103	0.001	18.1	0.014	0.088	0	0
1301590	1301590	0.04	0.003	11.3	0.008	0.032	0	0
1301591	1301591	0.011	0.011	6	0.011	0.001	0	0
1301592	1301592	0.008	0.005	5	0.008	0	0	0
1301595	1301595	0.067	0	14.7	0.041	0.027	0	0
1301596	1301596	0.068	0.001	14.7	0.032	0.036	0	0
1301597	1301597	0.08	0.001	15.9	0.043	0.037	0	0
1301598	1301598	0.069	0	14.8	0.033	0.036	0	0
1301599	1301599	0.073	0.002	15.2	0.039	0.034	0	0
1301600	1301600	0.025	0.04	8.9	0.013	0.011	0	0
1301601	1301601	0.01	0.018	5.6	0.01	0	0	0
1301602	1301602	0.027	0	9.2	0.026	0.001	0	0
1301603	1301603	0.028	0	9.5	0.028	0	0	0
1301604	1301604	0.029	0	9.6	0.029	0	0	0
1301605	1301605	0.015	0	7	0.015	0	0	0
1301606	1301606	0.042	0.006	11.6	0.039	0.003	0	0
1301607	1301607	0.047	0	12.3	0.039	0.008	0	0
1301608	1301608	0.028	0	9.5	0.028	0	0	0
1301609	1301609	0.025	0	8.9	0.023	0.002	0	0
1301610	1301610	0.017	0	7.4	0.017	0	0	0
1301611	1301611	0.028	0	9.4	0.019	0.009	0	0
1301612	1301612	0.043	0	11.7	0.022	0.021	0	0
1301613	1301613	0.034	0.001	10.4	0.021	0.013	0	0
1301614	1301614	0.019	0.002	7.8	0.017	0.002	0	0
1301615	1301615	0.037	0.002	10.8	0.032	0.004	0	0



Anejo nº1 Datos de partida

Código Subcuena	Pozo asociado	Área Tributaria (ha)	Pendiente (m/m)	Dimensión (m)	Área Tipo 1 (ha)	Área Tipo 2 (ha)	Área Tipo 3 (ha)	Área Tipo 4 (ha)
1301616	1301616	0.033	0.001	10.2	0.026	0.007	0	0
1301617	1301617	0.018	0.002	7.7	0.008	0.011	0	0
1301618	1301618	0.03	0	9.8	0.008	0.022	0	0
1301619	1301619	0.046	0.003	12.1	0.008	0.037	0	0
1301620	1301620	0.03	0.003	9.7	0.008	0.022	0	0
1301621	1301621	0.016	0.002	7.2	0.014	0.003	0	0
1301622	1301622	0.014	0.015	6.6	0.011	0.003	0	0
1301623	1301623	0.045	0.005	12	0.009	0.037	0	0
1301624	1301624	0.043	0.009	11.6	0.014	0.029	0	0
1301625	1301625	0.039	0.003	11.2	0.011	0.028	0	0
1301626	1301626	0.042	0.004	11.6	0.012	0.031	0	0
1301627	1301627	0.045	0.002	12	0.012	0.033	0	0
1301628	1301628	0.041	0	11.5	0.012	0.03	0	0
1301629	1301629	0.042	0.002	11.6	0.012	0.031	0	0
1301630	1301630	0.043	0.003	11.8	0.012	0.031	0	0
1301631	1301631	0.056	0.003	13.3	0.016	0.039	0	0
1301632	1301632	0.031	0.002	10	0.023	0.008	0	0
1301633	1301633	0.057	0.001	13.5	0.009	0.048	0	0
1301634	1301634	0.073	0.002	15.2	0.02	0.053	0	0
1301635	1301635	0.042	0.001	11.5	0.018	0.023	0	0
1301636	1301636	0.034	0.007	10.5	0.034	0	0	0
1301637	1301637	0.061	0.005	14	0.04	0.021	0	0
1301638	1301638	0.073	0.003	15.3	0.04	0.034	0	0
1301639	1301639	0.073	0.001	15.3	0.04	0.034	0	0
1301640	1301640	0.065	0.002	14.4	0.035	0.03	0	0
1301641	1301641	0.059	0.001	13.6	0.031	0.027	0	0
1301642	1301642	0.209	0	25.8	0.148	0.023		0.038
1301644	1301644	0.06	0.001	13.8	0.016	0.044	0	0
1301645	1301645	0.054	0.003	13.1	0.013	0.04	0	0
1301646	1301646	0.086	0.001	16.5	0.023	0.063	0	0
1301647	1301647	0.054	0.001	13.1	0.021	0.033	0	0
1301648	1301648	0.04	0.001	11.3	0.02	0.021	0	0
1301649	1301649	0.069	0.004	14.8	0.018	0.051	0	0
1301650	1301650	0.078	0.002	15.7	0.02	0.058	0	0
1301651	1301651	0.063	0.002	14.2	0.016	0.047	0	0
1301652	1301652	0.065	0.001	14.4	0.016	0.05	0	0
1301653	1301653	0.077	0.001	15.7	0.021	0.056	0	0
1301654	1301654	0.041	0.004	11.4	0.022	0.018	0	0
1301655	1301655	0.045	0.02	12	0.022	0.022	0	0

1301656	1301656	0.025	0.001	8.9	0.025	0	0	0
1301657	1301657	0.028	0.002	9.4	0.024	0.004	0	0
1301658	1301658	0.061	0.001	14	0.032	0.03	0	0
1301659	1301659	0.043	0.001	11.7	0.027	0.016	0	0
1301660	1301660	0.017	0.001	7.4	0.013	0.004	0	0
1301661	1301661	0.13	0.001	20.3	0.11	0.006		0.014
1301662	1301662	0.074	0.002	15.3	0.05	0.022		0.003
1301663	1301663	0.028	0	9.5	0.014	0.014	0	0
1301664	1301664	0.038	0	11	0.031	0.008	0	0
1301665	1301665	0.049	0.004	12.5	0.031	0.018	0	0
1301666	1301666	0.082	0.004	16.1	0.023	0.058	0	0
1301667	1301667	0.05	0.014	12.7	0.021	0.029	0	0
1301668	1301668	0.052	0.012	12.8	0.03	0.022	0	0
1301669	1301669	0.059	0.003	13.7	0.018	0.041	0	0
1301670	1301670	0.057	0.001	13.4	0.02	0.037	0	0
1301671	1301671	0.108	0	18.5	0.033	0.075	0	0
1301672	1301672	0.061	0.003	13.9	0.022	0.039	0	0
1301673	1301673	0.073	0.001	15.3	0.024	0.05	0	0
1301674	1301674	0.06	0.012	13.9	0.023	0.037	0	0
1301677	1301677	0.028	0.066	9.5	0.024	0.005	0	0
1301679	1301679	0.071	0.005	15	0.044	0.027	0	0
1301682	1301682	0.086	0.003	16.5	0.046	0.041	0	0
1301684	1301684	0.079	0.002	15.9	0.067	0.012	0	0
1301686	1301686	0.071	0.008	15	0.032	0.038	0	0
1301690	1301690	0.093	0.001	17.2	0.054	0.034		0.005
1301691	1301691	0.086	0.001	16.6	0.048	0.038	0	0
1301693	1301693	0.12	0.006	19.6	0.066	0.032		0.022
1301694	1301694	0.108	0.004	18.5	0.047	0.034		0.027
1301710	1301710	0.084	0.007	16.3	0.033	0.051	0	0
1301711	1301711	0.028	0.005	9.5	0.009	0.019	0	0
1301712	1301712	0.02	0.004	7.9	0.009	0.01	0	0
1301713	1301713	0.072	0.01	15.1	0.046	0.026	0	0
1301820	1301820	0.177	0.006	23.7	0.115	0.038		0.024
1301821	1301821	0.087	0.003	16.6	0.03	0.057	0	0
1301822	1301822	0.135	0.001	20.7	0.035	0.099	0	0
1301823	1301823	0.156	0.001	22.3	0.049	0.106	0	0
1301824	1301824	0.171	0.002	23.3	0.069	0.102	0	0
1301825	1301825	0.202	0.004	25.3	0.089	0.113	0	0
1301826	1301826	0.213	0.002	26	0.07	0.131		0.011
1301827	1301827	0.178	0.003	23.8	0.039	0.127		0.012
1301828	1301828	0.123	0.004	19.8	0.035	0.079		0.009



Anejo nº1 Datos de partida

Código Subcuenca	Pozo asociado	Área Tributaria (ha)	Pendiente (m/m)	Dimensión (m)	Área Tipo 1 (ha)	Área Tipo 2 (ha)	Área Tipo 3 (ha)	Área Tipo 4 (ha)
1301829	1301829	0.049	0.004	12.5	0.038	0.011	0	0
1301830	1301830	0.069	0.001	14.8	0.038	0.031	0	0
1301831	1301831	0.172	0	23.4	0.067	0.084		0.021
1301832	1301832	0.143	0.001	21.3	0.061	0.06		0.022
1301836	1301836	0.101	0.019	18	0.009	0.075		0.017
1301837	1301837	0.038	0.047	11	0.027	0.011	0	0
1301838	1301838	0.048	0.063	12.4	0.029	0.019	0	0
1301839	1301839	0.064	0.001	14.3	0.042	0.022	0	0
1301840	1301840	0.018	0.003	7.6	0.01	0.007		0.001
1301841	1301841	0.034	0.001	10.4	0.007	0.027	0	0
1301842	1301842	0.039	0	11.1	0.006	0.033	0	0
1301843	1301843	0.07	0.001	15	0.01	0.061	0	0
1301846	1301846	0.039	0.007	11.2	0.021	0.011		0.008
1301847	1301847	0.33	0.005	32.4	0.179	0.148		0.003
1301848	1301848	0.024	0.007	8.7	0.006	0.001		0.017
1301849	1301849	0.032	0.003	10.2	0.01	0.001		0.021
1301850	1301850	0.037	0.002	10.9	0.012	0.013		0.012
1301851	1301851	0.037	0.037	10.8	0.007	0.01		0.019
1301852	1301852	0.017	0.025	7.5	0.004	0.002		0.011
1301853	1301853	0.033	0.046	10.3	0.016	0.007		0.01
1301854	1301854	0.026	0.314	9.2	0			0.026
1301855	1301855	0.086	0	16.6	0.022	0.046		0.018
1301856	1301856	0.071	0.005	15	0.026	0.002		0.043
1301857	1301857	0.054	0.004	13.1	0.026	0.023		0.006
1301858	1301858	0.097	0.002	17.5	0.038	0.056		0.002
1301859	1301859	0.104	0.001	18.2	0.023	0.065		0.015
1301860	1301860	0.172	0.003	23.4	0.121	0.051	0	0
1301861	1301861	0.141	0.011	21.2	0.102	0.04	0	0
1301862	1301862	0.019	0.004	7.9	0	0.019	0	0
1301863	1301863	0.157	0.003	22.3	0.115	0.041		0
1301864	1301864	0.135	0.001	20.7	0.096	0.039	0	0
1301865	1301865	0.129	0.001	20.3	0.09	0.039	0	0
1301866	1301866	0.239	0	27.6	0.169	0.07	0	0
1302564	1302564	0.024	0.051	8.8	0			0.024
1302566	1302566	0.082	0.004	16.1	0.03	0.051	0	0
1302567	1302567	0.014	0.015	6.6	0.014	0	0	0
1302568	1302568	0.05	0.004	12.6	0.044	0.006	0	0
1302572	1302572	0.024	0.002	8.7	0.009	0.014	0	0
1302574	1302574	0.073	0.006	15.3	0.019	0.039		0.015

1302575	1302575	0.088	0	16.8	0.021	0.053		0.015
1302607	1302607	0.004	0	3.7	0.004	0	0	0
1302611	1302611	0.061	0.003	13.9	0.021	0.04		0.001
1302612	1302612	0.096	0.003	17.5	0.028	0.063		0.004
1302613	1302613	0.07	0.003	15	0.019	0.047		0.005
1302615	1302615	0.01	0.005	5.6	0.008			0.002
1302641	1302641	0.506	0.001	40.1	0.274	0.232	0	0
1302644	1302644	0.165	0.001	22.9	0.092	0.013		0.06
1302645	1302645	0.262	0.006	28.9	0.176	0.081		0.005
1302674	1302674	0.032	0.006	10	0.019	0.013	0	0
1302700	1302700	0.053	0.004	13	0.049			0.004
1302702	1302702	0.016	0.008	7.2	0.016	0	0	0
1302703	1302703	0.076	0.015	15.5	0.055	0.021	0	0
1302704	1302704	0.082	0.004	16.2	0.04	0.042	0	0
1302705	1302705	0.039	0	11.2	0.032	0.007	0	0
1302706	1302706	0.082	0.006	16.2	0.03	0.039		0.013
1302708	1302708	0.047	0.004	12.2	0.015	0.032	0	0
1302713	1302713	0.027	0.001	9.3	0.015	0.012	0	0
1302714	1302714	0.027	0.003	9.3	0.008	0.02	0	0
1302715	1302715	0.009	0.006	5.3	0.009	0	0	0
1302717	1302717	0.093	0.005	17.2	0.007	0.086	0	0
1302718	1302718	0.017	0.015	7.4	0.017	0	0	0
1302720	1302720	0.066	0.007	14.5	0.051		0.015	0
1302723	1302723	0.004	0.008	3.4	0.002	0.001	0	0
1302724	1302724	0.031	0.005	10	0.031	0	0	0
1302725	1302725	0.052	0.006	12.9	0.052	0	0	0
1302726	1302726	0.077	0.001	15.7	0.055	0.022	0	0
1302727	1302727	0.088	0	16.7	0.037	0.05	0	0
1302728	1302728	0.18	0.001	23.9	0.109	0.071	0	0
1302729	1302729	0.025	0.004	8.9	0.025	0	0	0
1302730	1302730	0.036	0.001	10.7	0.011	0.024	0	0
1302731	1302731	0.065	0.002	14.3	0.017	0.048	0	0
1302732	1302732	0.073	0	15.3	0.035		0.038	0
1302733	1302733	0.147	0.003	21.6	0.065		0.081	0
1302734	1302734	0.152	0	22	0.069		0.083	0
1302735	1302735	0.115	0.002	19.2	0.052		0.063	0
1302736	1302736	0.102	0.004	18	0.046		0.056	0
1302737	1302737	0.185	0.002	24.2	0.136		0.021	0.028
1305002	1305002	0.081	0	16.1	0.057	0.024	0	0
1305009	1305009	0.061	0.006	13.9	0.011	0.011		0.039
1305013	1305013	0.072	0.004	15.1	0.023	0.045		0.003



Anejo nº1 Datos de partida

Código Subcuenca	Pozo asociado	Área Tributaria (ha)	Pendiente (m/m)	Dimensión (m)	Área Tipo 1 (ha)	Área Tipo 2 (ha)	Área Tipo 3 (ha)	Área Tipo 4 (ha)
1305014	1305014	0.087	0.001	16.6	0.013	0.074	0	0
1305015	1305015	0.023	0.02	8.6	0.004	0.019	0	0
1305022	1305022	0.055	0.015	13.2	0.012	0.043	0	0
1305024	1305024	0.059	0.007	13.7	0.027	0.032	0	0
1305025	1305025	0.036	0	10.7	0.02	0.016	0	0
1305026	1305026	0.041	0.014	11.4	0.036	0.004		0
1305027	1305027	0.099	0.006	17.8	0.075	0.005		0.019
1305068	1305068	0.067	0.006	14.6	0.019	0.048		0
1305069	1305069	0.034	0.003	10.4	0.013			0.021
1306010	1306010	0.023	0.013	8.6	0.007	0.016	0	0
1306014	1306014	0.075	0.007	15.5	0.071			0.004
1308002	1308002	0.018	0.011	7.5	0.018	0	0	0
1308005	1308005	0.034	0.001	10.3	0.034	0	0	0
1308007	1308007	0.044	0.008	11.9	0.036			0.008
1308008	1308008	0.043	0.008	11.6	0.043	0	0	0
1308021	1308021	0.01	0	5.6	0.009	0.001	0	0
1308024	1308024	0.344	0.06	33.1	0.254	0.087		0.002
1308025	1308025	0.006	0.009	4.5	0.006			0
1308026	1308026	0.039	0	11.2	0.024	0.014		0.002
1308028	1308028	0.027	0.007	9.3	0.027	0	0	0
1308030	1308030	0.008	0	5.2	0.008			0
1308032	1308032	0.008	0.007	4.9	0.007			0
1308033	1308033	0.011	0.016	5.9	0.011	0	0	0
1308034	1308034	0.119	0.002	19.5	0.119	0	0	0
1308035	1308035	0.009	0.012	5.5	0.009	0	0	0
1308036	1308036	0.058	0.004	13.6	0.033	0.026	0	0
1308040	1308040	0.006	0.008	4.5	0.006	0	0	0
1308041	1308041	0.016	0.002	7.2	0.015	0.002	0	0
1308042	1308042	0.068	0	14.7	0.035	0.033	0	0
1308044	1308044	0.086	0.002	16.6	0.043		0.043	0
1308048	1308048	0.008	0	5.1	0.008	0	0	0
1308049	1308049	0.009	0	5.3	0.009	0	0	0
1308050	1308050	0.03	0.011	9.8	0.03	0	0	0
1308051	1308051	0.01	0.008	5.6	0.01	0	0	0
1308054	1308054	0.018	0.001	7.5	0.018	0	0	0
1308065	1308065	0.022	0.004	8.4	0.011			0.011
1308071	1308071	0.002	0.02	2.4	0.002	0	0	0
1308072	1308072	0.012	0.018	6.1	0.01	0.002	0	0
1308073	1308073	0.007	0.003	4.7	0.007	0	0	0

1308074	1308074	0.016	0.002	7.2	0.01	0.006	0	0
1308075	1308075	0.039	0.012	11.2	0.007	0.033	0	0
1308080	1308080	0.018	0	7.6	0.018	0	0	0
1308094	1308094	0.033	0.012	10.3	0.03	0.003	0	0
1308096	1308096	0.013	0.002	6.4	0.012	0.001	0	0
1308098	1308098	0.014	0.017	6.6	0.005	0.001		0.007
1308104	1308104	0.003	0.005	3.1	0.003	0	0	0
1308106	1308106	0.013	0.01	6.4	0.009	0.004	0	0
1308107	1308107	0.001	0.005	1.8	0.001	0	0	0
1308108	1308108	0.053	0.002	13	0.009	0.044	0	0
1308109	1308109	0.009	0.004	5.4	0.009	0	0	0
1308110	1308110	0.006	0.02	4.4	0.006	0	0	0
1308111	1308111	0.008	0.006	4.9	0.008	0	0	0
1308116	1308116	0.03	0	9.8	0.03	0	0	0
1308119	1308119	0.01	0.004	5.7	0.009	0.001	0	0
1308211	1308211	0.057	0.011	13.4	0.018	0.04	0	0
1308212	1308212	0.038	0.001	11	0.012	0.027	0	0
1308381	1308381	0.051	0.013	12.8	0.032	0.005		0.014
1308382	1308382	0.02	0.002	7.9	0.014	0.006	0	0
1308383	1308383	0.015	0.003	6.9	0.012	0.003	0	0
1308457	1308457	0.22	0.004	26.4	0.003	0.217	0	0
1308458	1308458	0.026	0.047	9	0.018	0.008	0	0
1308459	1308459	0.008	0.024	5	0.007	0.001	0	0
1308460	1308460	0.012	0.046	6.2	0.01			0.002
1308464	1308464	0.037	0.001	10.8	0.005	0.021		0.011
1308559	1308559	0.141	0.001	21.2	0.092			0.05
1308560	1308560	0.188	0.006	24.5	0.076			0.113
1308561	1308561	0.24	0.006	27.7	0.078			0.162
1308562	1308562	0.265	0.005	29	0.08			0.185
1308563	1308563	0.268	0.005	29.2	0.082			0.186
1308564	1308564	0.269	0.005	29.3	0.084			0.185
1308565	1308565	0.272	0.003	29.4	0.086			0.186
1308566	1308566	0.268	0.002	29.2	0.088			0.18
1308567	1308567	0.222	0.002	26.6	0.09			0.132
1308568	1308568	0.168	0.001	23.1	0.093			0.075
1308569	1308569	0.112	0.003	18.9	0.094			0.019
1308570	1308570	0.046	0	12.1	0.046	0	0	0
1308571	1308571	0.071	0.001	15	0.071	0	0	0
1308572	1308572	0.064	0.001	14.3	0.064	0	0	0
1308573	1308573	0.067	0.001	14.6	0.067	0	0	0
1308574	1308574	0.069	0.004	14.9	0.069	0	0	0



Anejo nº1 Datos de partida

Código Subcuenca	Pozo asociado	Área Tributaria (ha)	Pendiente (m/m)	Dimensión (m)	Área Tipo 1 (ha)	Área Tipo 2 (ha)	Área Tipo 3 (ha)	Área Tipo 4 (ha)
1308575	1308575	0.072	0.002	15.1	0.072	0	0	0
1308576	1308576	0.074	0.002	15.3	0.074	0	0	0
1308577	1308577	0.088	0	16.8	0.088	0	0	0
1308578	1308578	0.011	0	5.8	0.011	0	0	0
1308579	1308579	0.135	0.006	20.7	0.051		0.01	0.074
1308580	1308580	0.072	0.009	15.1	0.038		0.008	0.025
1308581	1308581	0.032	0.023	10	0.029		0.003	0
1308582	1308582	0.098	0.001	17.6	0.052		0.046	0
1308583	1308583	0.091	0.001	17	0.047		0.044	0
1308584	1308584	0.091	0.004	17	0.047		0.044	0
1308585	1308585	0.087	0.002	16.7	0.045		0.042	0
1308586	1308586	0.059	0.002	13.7	0.029		0.03	0
1308587	1308587	0.037	0.003	10.8	0.021		0.016	0
1308588	1308588	0.06	0.002	13.8	0.058		0.002	0
1308589	1308589	0.167	0.006	23	0.054		0.092	0.02
1308590	1308590	0.228	0.003	26.9	0.13			0.097
1308591	1308591	0.224	0.003	26.7	0.148			0.076
1308592	1308592	0.255	0.003	28.5	0.143			0.112
1308593	1308593	0.297	0.003	30.7	0.151			0.146
1308594	1308594	0.41	0.003	36.1	0.273			0.137
1308595	1308595	0.231	0.016	27.1	0.212			0.02
1308596	1308596	0.255	0.002	28.5	0.052			0.203
1308597	1308597	0.077	0.007	15.6	0.058			0.019
1308598	1308598	0.059	0.001	13.7	0.059	0	0	0
1308599	1308599	0.144	0.009	21.4	0.07			0.074
1308600	1308600	0.274	0.002	29.6	0.076			0.198
1308601	1308601	0.305	0.003	31.2	0.061			0.244
1308602	1308602	0.311	0.004	31.5	0.06			0.251
1308603	1308603	0.313	0.003	31.6	0.06			0.253
1308604	1308604	0.338	0.003	32.8	0.062			0.275
1308605	1308605	0.289	0.004	30.3	0.061			0.228
1308606	1308606	0.23	0.003	27.1	0.061			0.17
1308607	1308607	0.156	0.004	22.3	0.06			0.097
1308608	1308608	0.115	0.003	19.2	0.091			0.024
1308609	1308609	0.121	0.003	19.6	0.078		0.01	0.033
1308610	1308610	0.132	0.006	20.5	0.049		0.049	0.034
1308611	1308611	0.032	0.017	10	0.023			0.009
1308612	1308612	0.027	0.011	9.2	0.027	0	0	0
1308613	1308613	0.022	0.003	8.4	0.022	0	0	0

1308614	1308614	0.105	0.002	18.3	0.062			0.041	0.003
1308615	1308615	0.182	0.005	24.1	0.075			0.041	0.067
1308616	1308616	0.256	0.005	28.6	0.056			0.086	0.114
1308617	1308617	0.281	0.005	29.9	0.056			0.062	0.162
1308618	1308618	0.241	0.005	27.7	0.054			0.012	0.175
1308619	1308619	0.169	0.001	23.2	0.042				0.128
1308620	1308620	0.122	0.002	19.7	0.018			0.104	0
1308621	1308621	0.226	0.002	26.8	0			0.226	0
1308622	1308622	0.258	0.002	28.7	0			0.258	0
1308623	1308623	0.241	0.002	27.7	0			0.241	0
1308624	1308624	0.189	0.001	24.5	0			0.189	0
1308625	1308625	0.081	0.014	16	0			0.081	0
1308627	1308627	0.013	0.001	6.4	0.013	0		0	0
1308769	1308769	0.022	0.001	8.3	0.009			0.013	0
1308770	1308770	0.016	0.003	7.1	0.016			0.001	0
1308771	1308771	0.011	0.001	5.9	0.01			0	0
1308772	1308772	0.021	0	8.2	0.018			0.003	0
1308773	1308773	0.03	0.002	9.7	0.02			0.009	0
1308774	1308774	0.024	0.004	8.8	0.019			0.005	0
1308775	1308775	0.016	0.001	7.2	0.016			0	0
1308776	1308776	0.012	0.001	6.1	0.012	0		0	0
1308777	1308777	0.011	0.001	5.9	0.011	0		0	0
1308778	1308778	0.012	0.003	6.1	0.012	0		0	0
1308781	1308781	0.045	0.002	11.9	0.018			0.027	0
1308782	1308782	0.073	0.002	15.2	0.029			0.043	0
1308797	1308797	0.011	0.001	5.8	0.005			0.006	0
1308842	1308842	0.143	0	21.3	0.075				0.067
1308843	1308843	0.013	0.007	6.5	0.013	0		0	0
1308844	1308844	0.241	0.009	27.7	0.241	0		0	0
1308848	1308848	0.302	0.009	31	0.1	0.132		0.07	0
1308849	1308849	0.26	0.001	28.8	0.034			0.226	0
1308850	1308850	0.072	0.009	15.2	0.024			0.049	0
1308851	1308851	0.017	0.019	7.3	0.014			0.003	0
1308852	1308852	0.029	0.001	9.6	0.004			0.025	0
1308853	1308853	0.148	0.001	21.7	0.004			0.144	0
1308854	1308854	0.117	0.003	19.3	0.001			0.116	0
1308855	1308855	0.04	0.024	11.3	0.001			0.039	0
1308858	1308858	0.094	0.001	17.3	0.034	0.06		0	0
2002072	2002072	0.264	0.168	29	0.196				0.068



ANEXO Nº4:

LISTADO DE LOS PARÁMETROS EMPLEADOS



Superficie de Escorrentía ID	Descripción	Tipo de Tránsito de Escorrentía	Valor del Tránsito de Escorrentía	Tipo de Superficie	Pendiente del Terreno (m/m)	Tipo de Pérdida Inicial	Valor de la Pérdida Inicial (m)	Modelo de Tránsito	Altura SCS (m)
20	Verde	Abs	0.2	Pervious		Abs	0	SWMM	0.351
50	Mixto	Abs	0.02	Impervious		Abs	0	SWMM	0.089
80	Edificación	Abs	0.02	Impervious		Abs	0	SWMM	0.022
95	Vial	Abs	0.01	Impervious		Abs	0	SWMM	0.005

ID Uso del Suelo	Superficie de Escorrentía 1	Área de Escorrentía por Defecto 1 (%)	Superficie de Escorrentía 2	Área de Escorrentía por Defecto 2 (%)	Superficie de Escorrentía 3	Área de Escorrentía por Defecto 3 (%)	Superficie de Escorrentía 4	Área de Escorrentía por Defecto 4 (%)
Combinación	95		80		50		20	