

Table C.2. Outfall Design & Construction

Location Drawing Reference	Unique Point code (outfall)	Type of Discharge	Outfall Detail	Discharges to	Discharge Location	Easting 6E-digit Irish National Grid reference	Northing 6N-digit Irish National Grid reference	Discharge Source ref	Name of Discharge Source
Drg No. WECROF101 Carrigrennan Outfall, attachment B3.	WWTP1	Primary	1500mm Outfall c/w diffuser. Drg Nos. WECROF101/102/104/106 Carrigrennan Outfall, attachment B3.	Lough Mahon	South of Carrigrennan WWTP, Little Island Co.Cork	176683	69726		Carrigrennan WWTP
WWLA-029	SD01	P.S./EO Combined sewer	1800mm dia pipe outfall c/w flapvalve	River Lee	Overflow back up of gravity interceptor to Horgans Quay	168304	72007	PS01	Atlantic Pond Pumping Station
WWLA-056	SD02	P.S./EO Secondary Discharge	1050mm X 750mm Culvert Outfall	River Lee North Channel	East of St Patrick's Bridge, south bank	167682	72062	Combined Culvert	St Patrick's Street Combined Culvert
WWLA-030	SD03	P.S./EO	900mm dia. pipe outfall	Lee South Channel,	Lee South Channel, Near weir, Gillabbeey	166628	71487	PS03	Gilabbeey Pumping station
WWLA-031	SD04	P.S./EO	750mm dia. Storm Pipe outfall	Curraheen River	Near Elton lawn/ Pitch & Putt	163233	69984	PS04	Rossa Avenue Pumping Station
WWLA-032	SD05	P.S./EO	450mm dia. Pipe outfall	Glasheen River	opposite Donscourt	164737	69406	PS05	Dons Court Pumping Station
WWLA-032	SD06	P.S./EO	150mm dia. Pipe into outfall works with 60	Glasheen River	opposite 36 Woodhaven, u/s of bridge	164254	69366	PS06	Stratton Pines Pumping Station
WWLA-033	SD07	P.S./EO	450mm dia. Pipe outfall	Curraheen River	North of Curraheen close, at walkway	162927	69875	PS07	NBA Curraheen Pumping Station
WWLA-034	SD08	P.S./EO	225mm dia. Pipe outfall	Curraheen River	West of Rossbrook housing estate	162790	70712	PS08	Rossbrook Pumping Station
WWLA-035	SD09	P.S./EO	150mm dia pipe outfall c/w flapvalve	Curraheen River	South of Carrigrohane road, East of playing pitches,	164500	71228	PS09	J. A. Woods Pumping Station
WWLA-035	SD10	P.S./EO	150mm dia pipe outfall c/w flapvalve	Curraheen River	rear of City Print works	164942	71226	PS10	City Printers Pumping Station
WWLA-036	SD11	P.S./EO	150mm dia pipe outfall c/w flapvalve	Curraheen River	North Bank, west of Victoria Bridge	165199	71159	PS11	Victoria Cycles Pumping Station
WWLA-036	SD12	P.S./EO	150mm dia. Pipe outfall	Curraheen River	North Bank, to rear of University Hall Student Accom.	165280	71161	PS12	University Hall Pumping Station
WWLA-037	SD14	P.S./EO	300mm dia. Pipe outfall	River Lee North Channel	Sundays Well Rd opposite UCC Marylke grounds	165509	71592	PS14	Sundays Well Pumping Station
WWLA-038	SD15	P.S./EO	600mm dia. Storm Pipe outfall	Trabeg River	Trabeg River rear of Greenhills estate (landfill site)	168668	69892	PS15	Greenhills Pumping station
WWLA-039	SD16	P.S./EO	600mm dia. Storm Pipe outfall	Tramore River	Nemo sports ground, North of South Ring Rd, walkway	169117	69207	PS16	Glencurrig Pumping Station
WWLA-038	SD17	P.S./EO	225mm dia. Storm Pipe outfall	Trabeg River	Trabeg River South of Heatherton Park	168569	69975	PS17	Heatherton Pumping Station
WWLA-040	SD18	P.S./EO	400mm dia. Pipe outfall	Lough Mahon	West of Lee Tunnel	172847	71800	PS18	Mahon North Pumping Station
WWLA-041	SD19	P.S./EO	1200mm dia. Storm Pipe outfall	Lough Mahon	Lakeland Strand, Jacobs island	173155	70551	PS19	Mahon South Pumping Station
WWLA-042	SD20	P.S./EO	1200mm Storm Culvert c/w Flap Valve	River Lee North Channel	East of Shandon Bridge, south bank	167273	72119	PS20	Coal Quay Pumping Station
WWLA-043	SD21	P.S./EO	600mm dia. Pipe outfall c/w flap Valve	Lee South Channel,	East of Nano Nagle Bridge, north Bank	167386	71575	PS21	Grand Parade Pumping Station
WWLA-030	SD22	P.S./EO	150mm dia. Pipe outfall	Lee South Channel,	at Crosses Green Quay	167120	71580	PS22	Crosses Green Pumping Station
WWLA-036	SD25	P.S./EO	150mm dia. Pipe outfall	Lee South Channel,	Near Kingsley hotel, South Bank, east of new footbridge	165259	71321	PS25	Victoria Cross Kingsley Pumping Station
WWLA-044	SD26	P.S./EO	1350mm dia. Storm Pipe outfall	Douglas Estuary	Douglas Estuary at Mahon Golf Club	171681	69807	PS26	Bessboro Pumping Station
WWLA-045	SD27	P.S./EO	225mm dia. Pipe outfall	River Lee	West of Blackrock Castle	172273	71971	PS27	Castle Avenue Pumping Station
WWLA-046	SD28	P.S./EO	750mm dia. Pipe outfall with M.S.grill	River Lee	River Lee Lr opp. Glamire Rd, entrance to Tivoli Ind estate	170597	72256	PS28	Tivoli Pumping Station
WWLA-047	SD29	P.S./EO	225mm dia. Pipe outfall	River Lee	River Lee Lr opp. Glamire Rd, in Tivoli Ind estate	171181	72152	PS29	Tivoli Industrial Estate Pumping Station
WWLA-047	SD30	P.S./EO	300mm dia. Pipe to 825mm x 700mm culvert outfall	River Lee	Horgans Quay	168777	72120	PS30	Railway Yard pumping Station
WWLA-049	SD31	P.S./EO	300mm dia. Pipe outfall	River Lee	Lower Glanmire Rd opp. Bellevue	169794	72312	PS31	Bellevue Pumping Station
WWLA-051	SD32	P.S./EO	1050mm dia pipe Outfall with check valves upstream of outfall	Lough Mahon	Little Island Co.Cork	175349	71503	PS32	Flaxfort Pumping Station
WWLA-052	SD33	P.S./EO	750mm dia pipe Outfall with check valves upstream of outfall	Lough Mahon	Little Island Co.Cork	174489	71167	PS33	Wallingstown Pumping Station
WWLA-053	SD34	P.S./EO	750mm dia Pipe outfall	Lough Mahon	Little Island Co.Cork	177512	71475	PS34	Courtstown Pumping Station
WWLA-054	SD35	P.S./EO	2 No. 1200mm dia. Pipe outfalls c/w tidal flap valves	Douglas Estuary	Rochestown Rd Near Harty's Quay	172404	69758	PS35	Ronaynes Court Pumping Station
WWLA-055	SD36	P.S./EO	225mm dia. To Storm Pipe Outfall	Douglas Estuary	North of Rochestown Cross	173107	69468	PS36	Rochestown Cross Pumping Station
WWLA-032	SD37	P.S./EO	225mm dia. Pipe Outfall	Glasheen River	d/s of bridge, opposite Woodbrook (Woodhaven)	164373	69422	PS37	Woodbrook Pumping station
WWLA-050	SD38	P.S./EO	300mm dia. Pipe outfall	Glasheen River	Storm pipe to Glasheen river, West of Sarsfield roundabout, N Side of South Ring Rd	165187	69468	PS38	Sarsfield Road Pumping Station
	P,S/EO ==	Pumping Station / Emergency Overflow, Secondary discharge							

Location Drawing Reference	Unique Point code (outfall)	Type of Discharge	Outfall Detail	Discharges to	Discharge Location	Eastings	Northings	Discharge Source(s), CSO ref etc
						6E-digit Irish National Grid reference	6N-digit Irish National Grid reference	
WWLA-001	S01	Storm Water Overflow	600mm dia. Pipe outfall	River Lee	River Lee d/s waterworks (in Tailrace)	165012	71470	CSO01
WWLA-002	S02	Storm Water Overflow	450mm dia. Pipe outfall	River Lee North Channel	River Lee d/s Daly Bridge opp. Fitz. Pk.	165720	71689	CSO02
WWLA-002	S03	Storm Water Overflow	600mm dia. Pipe outfall	River Lee North Channel	River Lee d/s Daly Bridge opp. Fitz. Pk/Boat Club	165987	71722	CSO03
WWLA-003	S04	Storm Water Overflow	375mm dia. Pipe outfall	River Lee North Channel	River lee above St Vincent's Pedstrian Bridge North Mall at Distillery access,	166770	72081	CSO04
WWLA-003	S05	Storm Water Overflow	750mm dia. Pipe outfall	River Lee North Channel	River lee North Mall Adjacent North Abbey Sq, low level	166968	72156	CSO05
WWLA-003	S06	Storm Water Overflow	525mm dia. Pipe outfall	River Lee North Channel	River Lee Adjacent Griffith Bridge High level	167053	72191	CSO06
WWLA-004	S07	Storm Water Overflow	375mm dia. Pipe outfall	River Lee North Channel	River lee u/s Christy Ring Bridge	167462	72137	CSO07
WWLA-005	S08	Storm Water Overflow	450mm dia. Pipe outfall	Kiln River Culvert (Bride/Glen)	Kiln River Culvert in Murphys Brewery	167443	72569	CSO08, CSO09
WWLA-005	S09	Storm Water Overflow	900mm dia. Pipe outfall	Kiln River Culvert (Bride/Glen)	Kiln River Culvert in Watercourse rd	167401	72902	CSO10
WWLA-006	S10	Storm Water Overflow	750mm dia. Pipe outfall	River Bride	River Bride at Orchard Court Access Bridge	167409	73411	CSO13
WWLA-007	S11	Storm Water Overflow	600mm dia. Pipe outfall	River Bride	River Bride at shopping centre	167498	73710	CSO14
WWLA-007	S12	Storm Water Overflow	450mm dia. Pipe outfall	River Bride	River Bride between Mallow Road Bridge and Access Rd Bridge	167573	73855	CSO15
WWLA-006	S13	Storm Water Overflow	300mm dia. Pipe outfall	River Bride	River Bride at Blackpool Church	167458	73280	CSO18
WWLA-006	S14	Storm Water Overflow	300mm dia. Pipe outfall	Kiln River Culvert (Bride/Glen)	River Bride at new Culvert (phase 5) Watercourse Rd	167456	73163	CSO19
WWLA-006	S47	Storm Water Overflow	375mm dia. Pipe outfall	Kiln River Culvert (Bride/Glen)	Bride River Thu' firestation to Culvert in Watercourse rd	167443	73019	CSO11
WWLA-005	S15	Storm Water Overflow	225mm dia. Pipe outfall	Kiln River Culvert (Bride/Glen)	River Bride at old Culvert Watercourse Rd	167418	72804	CSO20
WWLA-005	S16	Storm Water Overflow	375mm dia. Pipe outfall	Kiln River Culvert (Bride/Glen)	Back Watercourse, Brewery Corner	167446	72643	CSO21
WWLA-004	S17	Storm Water Overflow	375mm dia. Pipe outfall	River Lee North Channel	River Lee d/s Christy Ring Br.	167558	72134	CSO22
WWLA-004	S18	Storm Water Overflow	450mm dia. Pipe outfall	River Lee North Channel	River Lee u/s Patricks Br.	167666	72128	CSO23
WWLA-008	S19	Storm Water Overflow	225mm dia. Pipe outfall	River Lee North Channel	River Lee Patricks Quay/Penrose Quay at Ship st opp. Jurys Inn	168076	72050	CSO24, CSO25, CSO26
WWLA-009	S20	Storm Water Overflow	825mm x 700mm culvert outfall	River Lee	River Lee Horgan's Quay	168779	72116	CSO27
WWLA-010	S21	Storm Water Overflow	300mm dia. Pipe outfall	River Lee	River Lee Lr Glamire Rd at Ferry boat	169332	72302	CSO28
WWLA-011	S22	Storm Water Overflow	300mm dia. Pipe outfall	River Lee	River Lee off Lr Glanmire Rd, Port of Cork Millenium Garden	170473	72263	CSO29
WWLA-011	S23	Storm Water Overflow	600mm dia. Pipe outfall	River Lee	River Lee Lr Glamire Rd Tivoli Ind estate	170700	72265	CSO30
WWLA-011	S24	Storm Water Overflow	1050mm Storm Culvert c/w Flap Valve	River Lee	River Lee opposite Atlantic Pond	170275	72110	CSO33
WWLA-012	S25	Storm Water Overflow	1500mm dia. Storm Pipe Outfall	River Lee South Channel	Storm pipe discharging to Kennedy Quay at Junction Victoria Rd	168322	71868	CSO34, CSO35
WWLA-013	S26	Storm Water Overflow	800mm x 1200mm culvert outfall c/w Flap Valve	River Lee South Channel	River Lee, South Channel, u/s Parnell Bridge, South Bank	167915	71717	CSO37, CSO38, CSO39, CSO40
WWLA-013	S27	Storm Water Overflow	375mm dia. Pipe outfall	River Lee South Channel	Georges Quay d/s of Parliament Br.	167535	71537	CSO41
WWLA-013	S28	Storm Water Overflow	375mm dia. Pipe outfall	River Lee South Channel	Sullivans Quay u/s of Parliament Br.	167470	71546	CSO42

Location Drawing Reference	Unique Point code (outfall)	Type of Discharge	Outfall Detail	Discharges to	Discharge Location	Eastings	Northings	Discharge Source(s), CSO ref etc
						6E-digit Irish National Grid reference	6N-digit Irish National Grid reference	
WWLA-014	S29	Storm Water Overflow	375mm dia. Pipe outfall	River Lee South Channel	Frenchs Quay /Proby's quay u/s South Gate Bridge	167281	71523	CSO43
WWLA-014	S30	Storm Water Overflow	600mm dia. Pipe to culvert outfall	River Lee South Channel	Proby's Quay /Frenchs Quay at Probys Bridge	167183	71501	CSO44, CSO45, CSO46
WWLA-015	S31	Storm Water Overflow	300mm dia. Pipe outfall	River Lee South Channel	River Lee South Channel d/s Donovans Bridge	166415	71482	CSO47
WWLA-015	S32	Storm Water Overflow	375mm dia. Pipe outfall	River Lee South Channel	River Lee u/s Gaol Bridge	165980	71327	CSO48
WWLA-016	S33	Storm Water Overflow	750mm dia. Pipe outfall	Glasheen River	Glasheen d/s of Road Culvert, Stratton Pines	164346	69421	CSO49
WWLA-017	S34	Storm Water Overflow	1350mm dia. Storm Pipe outfall	Douglas Estuary	Douglas Estuary at Mahon Golf Club	171677	69812	CSO51
WWLA-001	S35	Storm Water Overflow	750mm dia. Pipe outfall	Curraheen river	Curraheen at Orchard Court	165283	71154	CSO52, CSO53
WWLA-019	S36	Storm Water Overflow	300mm dia. Pipe outfall	Glasheen River	Glasheen d/s Glasheen Bridge on Glasheen Rd.	165591	70436	CSO54
WWLA-019	S37	Storm Water Overflow	300mm dia. Pipe outfall	Glasheen River	Glasheen d/s Glendale Road Culvert (u/s Flannerys Pub) on Glasheen Rd.	165647	70387	CSO55
WWLA-020	S38	Storm Water Overflow	525mm dia. Pipe outfall	Glasheen River	River Glasheen, at footbridge to Deanrock Ave	165705	69790	CSO56
WWLA-021	S39	Storm Water Overflow	300mm dia. Pipe outfall	Tramore River	Tramore river at Greenwood Estate, sports field	166288	69283	CSO58
WWLA-022	S40	Storm Water Overflow	800mm dia. Storm Pipe outfall	Trabeg River	Trabeg River rear of Greenhills estate /landfill site	168667	69892	CSO59
WWLA-023	S41	Storm Water Overflow	750mm dia. Pipe to culvert outfall	Douglas Estuary	Douglas River Culvert under South Ring Road(N25) to rear of house An Bruaic, Riverbank douglas	170018	69669	CSO60
WWLA-024	S42	Storm Water Overflow	450mm dia. Pipe outfall	Douglas estuary	Douglas estuary, East of Douglas Hall Lawn	170037	70060	CSO61
WWLA-025	S43	Storm Water Overflow	450mm dia. Pipe outfall	Glen River	Glen River at Glen River Park, upper pond	168818	73442	CSO62
WWLA-026	S44	Storm Water Overflow	900mm dia. Pipe outfall	River Lee	East end of Marina at Blackrock Harbour	171626	71862	CSO64, CSO65, CSO66
WWLA-027	S45	Storm Water Overflow	1050mm dia. Pipe to culvert	Trabeg River	Trabeg River culvert, north of Pitch & Putt, landfill	168133	70154	CSO67, CSO68
WWLA-023	S46	Storm Water Overflow	1800mm dia. Storm Pipe Outfall	Douglas Estuary	Storm Pipe to Douglas estuary, rear Tesco Douglas shopping centre	170473	69690	CSO70
WWLA-018	S48N & S48S Same location as Primary Discharge	Storm Water Overflow	1500mm outfall, Diffuser, ref attachment B3, Drg Nos. WECROF101/102/104/106 Carrigrennan Outfall	Lough Mahon	South West of Carrigrennan WWTP,	176683	69726	(CSO71) Carrigrennan WWTP Diffuser
	S49W					176746	69736	
						170768	72079	
WWLA-028	S49E	Pumped Storm overflow	1500mm Dia. outfall, Diffuser, ref attachment B4, part 1, drg No. C019-5, River Outfall plan and long Section	River Lee	from Quay wall on Marina, North of Atlantic Pond P.S. 100m into River Lee	170863	72054	Atlantic Pond Pumping Station - PS01 Diffuser
WWLA-030 (Attachment B4)	same location as SD03	Storm Water Overflow	900mm dia. pipe outfall	River Lee South Channel	Lee South Channel, South bank, Near weir, Gillabbeey	166628	71487	CSO at Gillabbeey Pumping Station PS03
WWLA-031 (Attachment B4)	same location as SD04	Storm Water Overflow	750mm dia. Storm Pipe outfall	Curraheen River	Near Elton lawn/ Pitch & Putt	163233	69984	CSO50 at Rossa Ave Pumping Station-PS04
WWLA-042 (Attachment B4)	same location as SD20	Pumped Storm overflow	1200mm Storm Culvert c/w Flap Valve	River Lee North Channel	East of Shandon Bridge, south bank	167273	72119	Coal Quay Pumping Station - PS20
WWLA-043 (Attachment B4)	same location as SD21	Pumped Storm overflow	600mm dia. Pipe outfall c/w flap Valve	River Lee South Channel	East of Nano Nagle Bridge, north Bank	167386	71575	Grand Parade Pumping Station- PS21

TABLE D.1(i)(b): EMISSIONS TO SURFACE/GROUND WATERS - Characteristics of the emission (Primary Discharge Point)

Discharge Point Code: _____

Number	Substance	As discharged	
		Max. daily average	
1	pH		
2	Temperature		
3	Electrical Conductivity(@25°C)		
		Max. daily average (mg/l)	kg/day
4	Suspended Solids	68	8370
5	Ammonia (as N)	19.9	
6	Biochemical Oxygen Demand	40	
7	Chemical Oxygen Demand	190	5712
8	Total Nitrogen (as N)		21654
9	Nitrite (as N)	<0.5	
10	Nitrate (as N)	<0.5	
11	Total Phosphorous (as P)	5.69	
12	Orthophosphate (as P)	5.54	
13	Sulphate (SO ₄)	152	
14	Phenols (sum) ^{Note 2} (ug/l)	<5	

Note 1: For waste water samples this monitoring should be undertaken on a sample filtered on 0.45µm filter paper.

Note 2: USEPA Method 604, AWWA Standard Method 6240, or equivalent.

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TABLE D.1(i)(c): DANGEROUS SUBSTANCE EMISSIONS TO SURFACE/GROUND WATERS

Primary Discharge Point - _____ Characteristics of the emission

Discharge Point Code: _____

Number	Substance	As discharged		
		Max. daily average (µg/l)	kg/day	kg/year
1	Atrazine			
2	Dichloromethane			
3	Simazine			
4	Toluene			
5	Tributyltin			
6	Xylenes			
7	Arsenic	3		
8	Chromium	<5		
9	Copper	<.005		
10	Cyanide	<0.1		
11	Fluoride	0.5		
12	Lead	<5		
13	Nickel			
14	Zinc	39		
15	Boron	<0.3		
16	Cadmium	<0.5		
17	Mercury	<0.1		
18	Selenium	10		
19	Barium	10		

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**TABLE D.1(i)(b): EMISSIONS TO SURFACE/GROUND WATERS - Characteristics of the emission
(Primary Discharge Point)**

Discharge Point Code: _____

Number	Substance	As discharged	
		Max. daily average	
1	pH		
2	Temperature		
3	Electrical Conductivity(@25°C)		
		Max. daily average (mg/l)	kg/day
4	Suspended Solids	68	8370
5	Ammonia (as N)	19.9	
6	Biochemical Oxygen Demand	40	5712
7	Chemical Oxygen Demand	190	21654
8	Total Nitrogen (as N)		
9	Nitrite (as N)	<0.5	
10	Nitrate (as N)	<0.5	
11	Total Phosphorous (as P)	5.69	
12	Orthophosphate (as P)	5.54	
13	Sulphate (SO ₄)	152	
14	Phenols (sum) ^{Note 2} (ug/l)	<5	

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 Note 2: USEPA Method 604, AWWA Standard Method 6240, or equivalent.

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TABLE D.1(i)(c): DANGEROUS SUBSTANCE EMISSIONS TO SURFACE/GROUND WATERS

Primary Discharge Point - _____ Characteristics of the emission

Discharge Point Code: _____

Number	Substance	As discharged		
		Max. daily average ($\mu\text{g/l}$)	kg/day	kg/year
1	Atrazine			
2	Dichloromethane			
3	Simazine			
4	Toluene			
5	Tributyltin			
6	Xylenes			
7	Arsenic	3		
8	Chromium	<5		
9	Copper	<.005		
10	Cyanide	<0.1		
11	Fluoride	0.5		
12	Lead	<5		
13	Nickel			
14	Zinc	39		
15	Boron	<0.3		
16	Cadmium	<0.5		
17	Mercury	<0.1		
18	Selenium	10		
19	Barium	10		

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Revised Table D2									
	original submission PT_CD	Revised PT_CD	PT_TYPE	LA_NAME	RWB_TYPE	RWB_NAME	Designation	EASTING	NORTHING
Description	Point Code Provide label ID's	Point Code Provide label ID's	Point Type (e.g., Primary/ Secondary/ Storm Water Overflow)	Local Authority Name (e.g., Donegal County Council)	Receiving Water Body Type (e.g., River, Lake, Groundwater, Transitional, Coastal)	Receiving Water Body Name (e.g., River Suir)	Protected Area Type (e.g., SAC, candidate SAC, NHA, SPA etc.)	6E-digit GPS Irish National Grid Reference	6N-digit GPS Irish National Grid Reference
Carrigrennan	WWTP1	WWTP1	Primary	Cork City	Transitional	Lough Mahon	Nutrient Sensitive	176683	69726
Atlantic pond	PS01	SD01	Secondary	Cork City	River	River Lee	Nutrient Sensitive	176746	69736
St Patrick's Street	Combined Culvert	SD02	Secondary	Cork City	River	River Lee	Nutrient Sensitive	168304	72007
Gilabbe	PS03	SD03	Secondary	Cork City	River	River Lee	Nutrient Sensitive	166628	71487
Rossa Ave	PS04	SD04	Secondary	Cork City	River	Curraheen River	N/A	163233	69984
Donscourt (Donsworth)	PS05	SD05	Secondary	Cork City	River	Glasheen River	N/A	164737	69406
Stratton Plines	PS06	SD06	Secondary	Cork City	River	Glasheen River	N/A	164254	69366
Curraheen (NBA)	PS07	SD07	Secondary	Cork City	River	Curraheen River	N/A	162927	69875
Rossbrook	PS08	SD08	Secondary	Cork City	River	Curraheen River	N/A	162790	70712
JAW	PS09	SD09	Secondary	Cork City	River	Curraheen River	N/A	164500	71228
City Print	PS10	SD10	Secondary	Cork City	River	Curraheen River	N/A	164942	71226
Bicycle Shop VictX	PS11	SD11	Secondary	Cork City	River	Curraheen River	N/A	165199	71159
Wylam	PS12	SD12	Secondary	Cork City	River	Curraheen River	N/A	165280	71161
Sundays Well	PS14	SD14	Secondary	Cork City	River	River Lee	Nutrient Sensitive	165509	71592
Greenhills	PS15	SD15	Secondary	Cork City	River	Trabeg River	N/A	168668	69892
Glencurrig PS16	-----	SD16	Secondary	Cork City	River	Tramore River	N/A	169117	69207
Heatherton PS17	-----	SD17	Secondary	Cork City	River	Trabeg River	N/A	168569	69975
Mahon north	PS18	SD18	Secondary	Cork City	Transitional	Lough Mahon	Nutrient Sensitive & SPA	172847	71800
Mahon south	PS19	SD19	Secondary	Cork City	Transitional	Lough Mahon	Nutrient Sensitive & SPA	173155	70551
Coal Quay	PS20	SD20	Secondary	Cork City	River	River Lee	Nutrient Sensitive	167273	72119
Grand parade	PS21	SD21	Secondary	Cork City	River	River Lee	Nutrient Sensitive	167386	71575
Crosses Green	PS22	SD22	Secondary	Cork City	River	River Lee	Nutrient Sensitive	167120	71580
Kingsley (Victoria Cross)	PS25	SD25	Secondary	Cork City	River	River Lee	Nutrient Sensitive	165259	71321
Bessborough	PS26	SD26	Secondary	Cork City	Transitional	Douglas Estuary	Nutrient Sensitive & SPA	171681	69807
Castle Ave	PS27	SD27	Secondary	Cork City	River	River Lee	Nutrient Sensitive & SPA	172273	71971
Tivoli	PS28	SD28	Secondary	Cork City	River	River Lee	Nutrient Sensitive	170597	72256
Tivoli Ind estate	PS29	SD29	Secondary	Cork City	River	River Lee	Nutrient Sensitive	171181	72152
Railway Yard	PS30	SD30	Secondary	Cork City	River	River Lee	Nutrient Sensitive	168777	72120
Bellevue	PS31	SD31	Secondary	Cork City	River	River Lee	Nutrient Sensitive	169794	72312
Flaxfort	PS32	SD32	Secondary	Cork County	Transitional	Lough Mahon	Nutrient Sensitive	175349	71503
Wallingstown	PS33	SD33	Secondary	Cork County	Transitional	Lough Mahon	Nutrient Sensitive	174489	71167
courtstown	PS34	SD34	Secondary	Cork County	Transitional	Lough Mahon	Nutrient Sensitive	177512	71475
Royanynescourt	PS35	SD35	Secondary	Cork County	Transitional	Douglas Estuary	Nutrient Sensitive & SPA	172404	69758
Rochestown Cross	PS36	SD36	Secondary	Cork County	Transitional	Douglas Estuary	Nutrient Sensitive & SPA	173107	69468
Woodbrook(Woodhaven)	PS37	SD37	Secondary	Cork County	River	Glasheen River	N/A	164373	69422
Sarsfield Rd (Elm Vale)	PS38	SD38	Secondary	Cork County	River	Glasheen River	N/A	165187	69468

	original submission PT_CD	Revised PT_CD	PT_TYPE	LA_NAME	RWB_TYPE	RWB_NAME	Designation	EASTING	NORTHING
Description	Point Code Provide label ID's	Point Code Provide label ID's	Point Type (e.g., Primary/ Secondary/ Storm Water Overflow)	Local Authority Name (e.g., Donegal County Council)	Receiving Water Body Type (e.g., River, Lake, Groundwater, Transitional, Coastal)	Receiving Water Body Name (e.g., River Suir)	Protected Area Type (e.g., SAC, candidate SAC, NHA, SPA etc.)	6E-digit GPS Irish National Grid Reference	6N-digit GPS Irish National Grid Reference
	CSO01	S01	Storm Water Overflow	Cork City	River	River Lee	Nutrient Sensitive	165012	71470
	CSO02	S02	Storm Water Overflow	Cork City	River	River Lee	Nutrient Sensitive	165720	71689
	CSO03	S03	Storm Water Overflow	Cork City	River	River Lee	Nutrient Sensitive	165987	71722
	CSO04	S04	Storm Water Overflow	Cork City	River	River Lee	Nutrient Sensitive	166770	72081
	CSO05	S05	Storm Water Overflow	Cork City	River	River Lee	Nutrient Sensitive	166968	72156
	CSO06	S06	Storm Water Overflow	Cork City	River	River Lee	Nutrient Sensitive	167053	72191
	CSO07	S07	Storm Water Overflow	Cork City	River	River Lee	Nutrient Sensitive	167462	72137
	CSO08, CSO09	S08	Storm Water Overflow	Cork City	River	River Kiln (Bride/Glen)	N/A	167443	72569
	CSO10	S09	Storm Water Overflow	Cork City	River	River Kiln (Bride/Glen)	N/A	167401	72902
	CSO13	S10	Storm Water Overflow	Cork City	River	River Bride	N/A	167409	73411
	CSO14	S11	Storm Water Overflow	Cork City	River	River Bride	N/A	167498	73710
	CSO15	S12	Storm Water Overflow	Cork City	River	River Bride	N/A	167573	73855
	CSO18	S13	Storm Water Overflow	Cork City	River	River Bride	N/A	167458	73280
	CSO19	S14	Storm Water Overflow	Cork City	River	River Kiln (Bride/Glen)	N/A	167456	73163
	CSO11	S47	Storm Water Overflow	Cork City	River	River Kiln (Bride/Glen)	N/A	167443	73019
	CSO20	S15	Storm Water Overflow	Cork City	River	River Kiln (Bride/Glen)	N/A	167418	72804
	CSO21	S16	Storm Water Overflow	Cork City	River	River Kiln (Bride/Glen)	N/A	167446	72643
	CSO22	S17	Storm Water Overflow	Cork City	River	River Lee	Nutrient Sensitive	167558	72134
	CSO23	S18	Storm Water Overflow	Cork City	River	River Lee	Nutrient Sensitive	167666	72128
	CSO24, CSO25,								
	CSO26	S19	Storm Water Overflow	Cork City	River	River Lee	Nutrient Sensitive	168076	72050
	CSO27	S20	Storm Water Overflow	Cork City	River	River Lee	Nutrient Sensitive	168779	72116
	CSO28	S21	Storm Water Overflow	Cork City	River	River Lee	Nutrient Sensitive	169332	72302
	CSO29	S22	Storm Water Overflow	Cork City	River	River Lee	Nutrient Sensitive	170473	72263
	CSO30	S23	Storm Water Overflow	Cork City	River	River Lee	Nutrient Sensitive	170700	72265
	CSO33	S24	Storm Water Overflow	Cork City	River	River Lee	Nutrient Sensitive	170275	72110
	CSO34, CSO35	S25	Storm Water Overflow	Cork City	River	River Lee	Nutrient Sensitive	168322	71868
	CSO37, CSO38, CSO39, CSO40	S26	Storm Water Overflow	Cork City	River	River Lee	Nutrient Sensitive	167915	71717

	original submission PT_CD	Revised PT_CD	PT_TYPE	LA_NAME	RWB_TYPE	RWB_NAME	Designation	EASTING	NORTHING
Description	Point Code Provide label ID's	Point Code Provide label ID's	Point Type (e.g., Primary/ Secondary/ Storm Water Overflow)	Local Authority Name (e.g., Donegal County Council)	Receiving Water Body Type (e.g., River, Lake, Groundwater, Transitional, Coastal)	Receiving Water Body Name (e.g., River Suir)	Protected Area Type (e.g., SAC, candidate SAC, NHA, SPA etc.)	6E-digit GPS Irish National Grid Reference	6N-digit GPS Irish National Grid Reference
	CSO41	S27	Storm Water Overflow	Cork City	River	River Lee	Nutrient Sensitive	167535	71537
	CSO42	S28	Storm Water Overflow	Cork City	River	River Lee	Nutrient Sensitive	167470	71546
	CSO43	S29	Storm Water Overflow	Cork City	River	River Lee	Nutrient Sensitive	167261	71523
	CSO44, CSO45,								
	CSO46	S30	Storm Water Overflow	Cork City	River	River Lee	Nutrient Sensitive	167183	71501
	CSO47	S31	Storm Water Overflow	Cork City	River	River Lee	Nutrient Sensitive	166415	71482
	CSO48	S32	Storm Water Overflow	Cork City	River	River Lee	Nutrient Sensitive	165980	71327
	CSO49	S33	Storm Water Overflow	Cork City	River	Glasheen River	N/A	164346	69421
	CSO51	S34	Storm Water Overflow	Cork City	Transitional	Douglas Estuary	Nutrient Sensitive & SPA	171677	69812
	CSO52, CSO53	S35	Storm Water Overflow	Cork City	River	Curraheen river	N/A	165283	71154
	CSO54	S36	Storm Water Overflow	Cork City	River	Glasheen River	N/A	165591	70436
	CSO55	S37	Storm Water Overflow	Cork City	River	Glasheen River	N/A	165647	70387
	CSO56	S38	Storm Water Overflow	Cork City	River	Glasheen River	N/A	165705	69790
	CSO58	S39	Storm Water Overflow	Cork City	River	Tramore River	N/A	166288	69283
	CSO59	S40	Storm Water Overflow	Cork City	River	Trabeg River	N/A	168667	69892
	CSO60	S41	Storm Water Overflow	Cork City	Transitional	Douglas Estuary	Nutrient Sensitive & SPA	170018	69669
	CSO61	S42	Storm Water Overflow	Cork City	Transitional	Douglas Estuary	Nutrient Sensitive & SPA	170037	70060
	CSO62	S43	Storm Water Overflow	Cork City	River	Glen River	N/A	168818	73442
	CSO64, CSO65,								
	CSO66	S44	Storm Water Overflow	Cork City	River	River Lee	Nutrient Sensitive	171626	71862
	CSO67, CSO68	S45	Storm Water Overflow	Cork City	River	Trabeg River	N/A	168133	70154
	CSO70	S46	Storm Water Overflow	Cork County	Transitional	Douglas Estuary	Nutrient Sensitive & SPA	170473	69690
	Carrigrennan WWTP								
		S48	Storm Water Overflow	Cork City	Transitional	Lough Mahon	Nutrient Sensitive	176683	69726
Atlantic Pond Pumping Station -PS01	-----	S49	Storm Water Overflow (Pumped)	Cork City	River	River Lee	Nutrient Sensitive	170768	72079
CSO at Gillabey Pumping Station PS03	-----	same location as SD03	Storm Water Overflow	Cork City	River	River Lee	Nutrient Sensitive	170863	72054
CSO50 at Rossa Ave Pumping Station-PS04	-----	same location as SD04	Storm Water Overflow	Cork City	River	River Lee	Nutrient Sensitive	166628	71487
Coal Quay Pumping Station -PS20	-----	same location as SD20	Storm Water Overflow (Pumped)	Cork City	River	Curraheen River	N/A	163233	69984
Grand Parade Pumping Station-PS21	-----	same location as SD21	Storm Water Overflow (Pumped)	Cork City	River	River Lee	Nutrient Sensitive	167273	72119
				Cork City	River	River Lee	Nutrient Sensitive	167386	71575

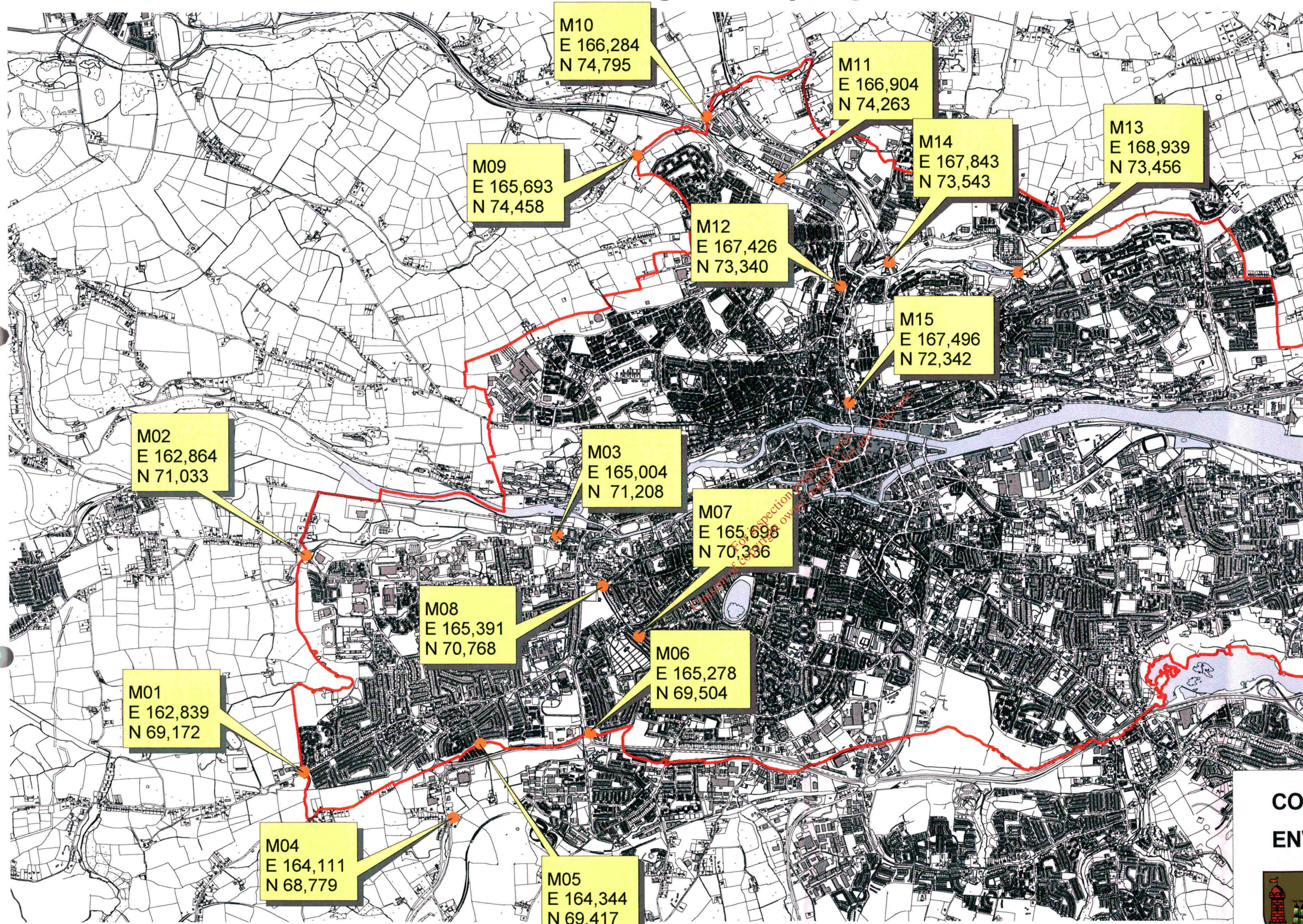
Table E.3 Monitoring and sampling points

PT_CD	PT_TYPE	MON_TYPE	EASTING	NORTHING	VERIFIED	River	Monitoring Location	Description of Monitoring location
Point Code Provide label ID's assigned In Secion E of appllication	Point Type (e.g., Primary/ Secondary/ Storm Water Overflow)	Monitoring Type M = Monitoring S = Sampling	6E-digit GPS Irish National Grid Reference	6N-digit GPS Irish National Grid Reference	Y = GPS used N = GPS not used			
M01	Secondary	M	162839	69172	N	Twopot (u/s Curraheen)	Curraheen Road Bridge	At County boundary, near UCC Technology park
M02	Secondary	M	162864	71033	N	Curraheen	Carrigrohane Bridge	Near tennis village
M03	Secondary	M	165004	71208	N	Curraheen	County Hall	rear of county Hall
M04	Secondary	M	164111	68779	N	Glasheen	Bandon Road	By Dunnes stores
M05	Secondary	M	164344	69417	N	Glasheen	Woodhaven Estate	downstream side of bridge
M06	Secondary	M	165278	69504	N	Glasheen	Sandbrook Estate	
M07	Storm Water Overflow	M	165698	70336	N	Glasheen	Clashduv road	Glasheen u/s Glendale Road bridge
M08	Storm Water Overflow	M	165391	70768	N	Glasheen	Glasheen Bridge	upstream of Glasheen rd by culvert intake point
M09	Storm Water Overflow	M	165693	74458	N	Bride	Blackstone Bridge	near Tyre Depot
M10	Storm Water Overflow	M	166284	74795	N	Bride	Kilnap	near North Point Business Park
M11	Storm Water Overflow	M	166904	74263	N	Bride	Fitz's boreen	Mc Donalds car park bridge
M12	Storm Water Overflow	M	167426	73340	N	Bride	Blackpool	Footbridge Wherlands Lane
M13	Storm Water Overflow	M	168939	73456	N	Glen	Glen Rec. Park	u/s of footbridge at eastern entrance to park
M14	Storm Water Overflow	M	167843	73543	N	Glen	Spring Lane	Bridge accessed via path from spring lane by Railway Bridge
M15	Storm Water Overflow	M	167496	72342	N	Kiln (Bride/Glen)	Leitrim street	Heinekin Store opp. Entrance to PJ Hegarty
C9	River Quality	M	170242	72195	Y	Lee	Tivoli	
C7	River Quality	M	172537	72182	Y	Lee	Blackrock Castle	
C8	River Quality/Primary	M	174650	70440	Y	Lough Mahon	Mid Lough Mahon	
C6	River Quality/Primary	M	177074	69408	Y	Lough Mahon	End Lough Mahon	
C5	Harbour Quality	M	178090	65386	Y	Lee/Cork Harbour	Haulbowline	

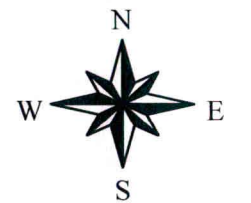
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E.P.A. Waste Water Licence Application E3 Monitoring & Sampling Points

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LEGEND
● River sampling
■ River_lee_extended



0 500 1000 1500 2000 2500 3000 3500 4000 Meters

**CORK CITY COUNCIL
ENVIRONMENT DIRECTORATE**



**Water Services
Drainage Section**

shp file ref: m/Dir/Env/Drain/GisData

Date :- 24-11-2008

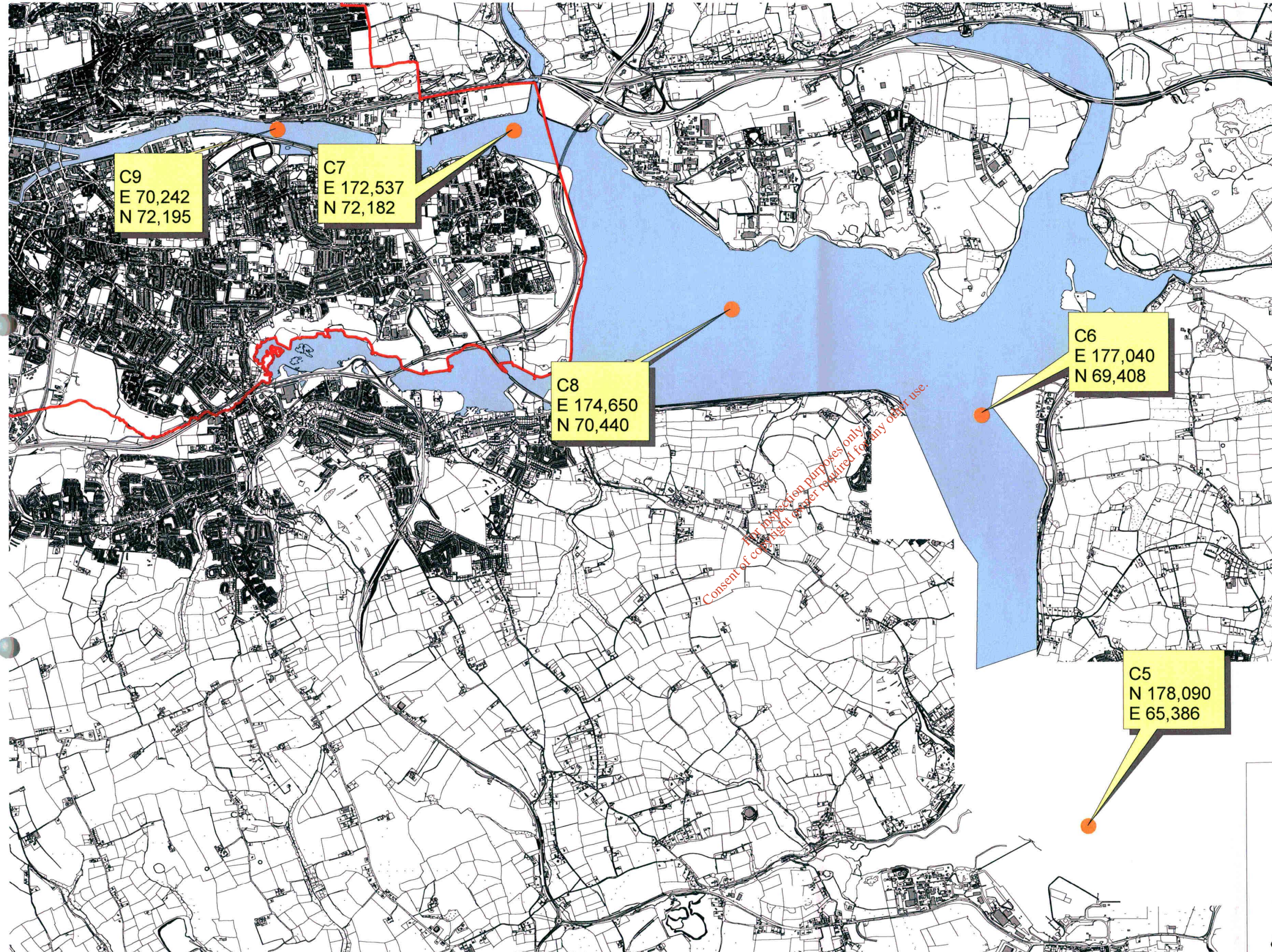
Prepared by : B.O'F.

Drg. No. WWLA-058

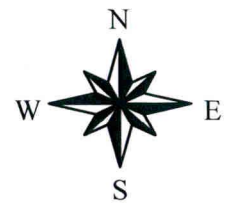
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E.P.A. Waste Water Licence Application E3 Monitoring & Sampling Points

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LEGEND
 River sampling
 River_lee_extended



0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 Meters

**CORK CITY COUNCIL
ENVIRONMENT DIRECTORATE**



**Water Services
Drainage Section**

shp file ref: m/Dir/Env/Drain/GisData

Date :- 24-11-2008

Prepared by : B.O'F.

Drg. No. WWLA-059

A. Hennessey

Monitoring point M01												
RIVER WATER ANALYSIS										2007		
River:	Two Pot (Cork City)			Trib of: Curragheen			St. Loc: Curragheen Road Bridge					
Code:	19/T/05			Catchment: Lee			Grid ref. E 162839					
							N 69172					
End Ref:							St. No: 0200					
River: TWOPOT	Temp.	D.O.	pH	C.O.D.	B.O.D.	s.solids	Total P.	ammon.	Nitrate	Cond.	Total	Faecal
Analysis:	S 21.5 C	50%	6.0-9.0	mg/l	<5	<25	<0.07	<1mg/l	mg/l	uS/cm	Coliform	Coliform
Limits:	W 10 C	>9mg/l	pH units		mg/l	mg/l	mgP/l	NH4	NO3		/100mls	/100mls
DATE:	23-Jan-07	6.5	10.4	7.48	<1	1.4	6	0.078	0.07	55.2	293	
DATE:	22-Mar-07	9.5	10.3	7.50	27	1	2	0.067	0.04	51	288	
DATE:	23-May-07	13.9	8.2	7.94	5	2	7	0.169	0.01	12.3	317	
DATE:	03-Jul-07	13.5	9.3	7.39	2		4	0.097	0.06	11.8	289	9,135 503
DATE:	26-Sep-07	10.8	8.7	8.01	7	1.6	2	0.103	0	29.6	314	
DATE:	20-Nov-07	8.0	9.9	7.92	15	1.2	8	0.164	0.07	27.6	316	
Average:		10.4	9.5	7.71	11	1.4	5	0.113	0.04	31.3	303	
Max:		13.9	10.4	8.01	27	2	8	0.169	0.07	55.2	317	
Min:		6.5	8.2	7.39	2	1	2	0.067	0	11.8	288	

Monitoring point M02												
RIVER WATER ANALYSIS											2007	
River:	CURRAGHEEN (Cork City)			Trib of: Glasheen (Cork City)			St. Loc: Carrigrohane Bridge					
Code:	19/C/12			Catchment: Lee			Grid ref. E 162864					
							N 71033					
End Ref:							St. No. :0100					
Analysis:	Temp.	D.O.	pH	C.O.D.	B.O.D.	s.solids	Total P.	ammon.	Nitrate	Cond.	Total	Faecal
Limits:	S 21.5 C	50%	6.0-9.0	mg/l	<5	<25	<0.07	<1mg/l	mg/l	uS/cm	Coliform	Coliform
	W 10 C	>9mg/l	pH units		mg/l	mg/l	mgP/l	NH4	NO3		/100mls	/100mls
DATE:	23-Jan-07	6.2	10.3	7.41	4	1	5	0.085	0.09	48.2	332	
DATE:	22-Mar-07	9.6	9.1	7.51	8	1	5	0.077	0.05	47.6	347	
DATE:	23-May-07	14.7	8.3	7.60	4	1.3	5	0.112	0.01	11.3	420	
DATE:	03-Jul-07	14.2	8.6	7.22	2	1	6	0.093	0.08	11.2	341	11,528 1,303
DATE:	26-Sep-07	11	8.3	7.73	5	1.5	7	0.075	0	25.4	407	
DATE:	20-Nov-07	8.4	8.6	7.67	12	1.2	6.0	0.111	0.08	25.6	374	
Average:	10.7	8.9	7.52	5.8	1.2	6	0.092	0.05	28.2	370		
Max:	14.7	10.3	7.73	12	1.5	7	0.112	0.09	48.2	420		
Min:	6.2	8.3	7.22	2.0	1.0	5	0.075	0.00	11.2	332		

Monitoring point M03													
RIVER WATER ANALYSIS										2007			
River:	CURRAGHEEN (Cork City)_				Trib of:	Glasheen (Cork City)			St. Loc:	County Hall			
Code:	19/C/12				Catchment:	Lee			Grid ref.	E 165004			
End Ref:										N 71208			
									St. No.	:0200			
Analysis:	Temp.	D.O.	pH	C.O.D.	B.O.D.	s.solids	Total P.	ammon.	Nitrate	Cond.	Total	Faecal	
Limits:	S 21.5 C	50%	6.0-9.0	mg/l	<5	<25	<0.07	<1mg/l	mg/l	uS/cm	Coliform	Coliform	
	W 10 C	>9mg/l	pH units		mg/l	mg/l	mgP/l	NH4	NO3		/100mls	/100mls	
DATE:	23-Jan-07	6.1	9.5	7.49	3	1	8	0.100	0.31	50.2	351		
DATE:	22-Mar-07	9.9	8.7	7.50	8	1.2	5	0.095	0.05	47.6	370		
DATE:	23-May-07	14.9	5.4	7.34	9	3	4	0.098	0.44	10	446		
DATE:	03-Jul-07	14.2	7.9	7.03	<1	1	4	0.097	0.29	10.9	364	35,340	1,550
DATE:	26-Sep-07	12.0	6.3	7.42	6	1.7	3	0.078	0.38	21.1	406		
DATE:	20-Nov-07	8.4	8.6	7.67	12	1.2	6	0.111	0.08	25.6	375		
Average:	10.9	7.7	7.41	8	1.5	5	0.097	0.26	27.6	385			
Max:	14.90	9.50	7.67	12	3.0	8.0	0.111	0.44	50.2	446			
Min:	6.1	5.4	7.0	3.0	1.0	3.0	0.078	0.05	10.0	351			

Monitoring point M04												
RIVER WATER ANALYSIS										2007		
River:	GLASHEEN (Cork City)			Trib of:	Lee			St. Loc:	Bandon Road			
Code:	19/G/04			Catchment:	Lee			Grid ref.	E 164111			
									N 68779			
End Ref:	W 651 711							St. No.	:0100			
Analysis:	Temp.	D.O.	pH	C.O.D.	B.O.D.	s.solids	Total P.	ammon	Nitrate	Cond.	Total	Faecal
Limits:	S 21.5 C	50%	6.0-9.0	mg/l	<5	<25	<0.07	<1mg/l	mg/l	uS/cm	Coliform	Coliform
	W 10 C	>9mg/l	pH units		mg/l	mg/l	mgP/l	NH4	NO3		/100mls	/100mls
DATE:	23-Jan-07	8.7	9.4	7.24	<1	1	2	0.087	0.06	59.6	386	
DATE:	22-Mar-07	9.9	9.8	7.30	4	1	5	0.078	0.04	59.8	389	
DATE:	23-May-07	12.6	8.9	7.56	4	1	3	0.063	0.06	16.3	449	
DATE:	03-Jul-07	13.1	8.2	6.87	7	1	34	0.118	0.06	15.5	418	32,491 423
DATE:	26-Sep-07	12	7.4	7.74	8	2.1	31	0.154	0.01	40	451	
DATE:	20-Nov-07	9.4	8.5	7.60	9	1	7	0.098	0.05	35.7	450	
Average:	11.0	8.7	7.39	6.4	1.2	14	0.100	0.05	38	424		
Max:	13.1	9.8	7.74	9	2.1	34	0.154	0.06	59.8	451		
Min:	8.7	7.4	6.87	4.0	1.0	2.0	0.063	0.01	15.5	386		

Monitoring point M05												
RIVER WATER ANALYSIS											2007	
River:	GLASHEEN (Cork City)			Trib of:	Lee			St. Loc:	Woodhaven Estate			
Code:	19/G/04			Catchment:	Lee			Grid ref.	E 165344 N 69417			
End Ref:	W 651 711						St. No.	:0200				
Analysis:	Temp.	D.O.	pH	C.O.D.	B.O.D.	s.solids	Total P.	ammon.	Nitrate	Cond.	Total	Faecal
Limits:	S 21.5 C	50%	6.0-9.0	mg/l	<5	<25	<0.07	<1mg/l	mg/l	uS/cm	Coliform	Coliform
	W 10 C	>9mg/l	pH units		mg/l	mg/l	mgP/l	NH4	NO3		/100mls	/100mls
DATE:	23-Jan-07	8.1	8.6	7.40	<1	1.8	2	0.060	0.06	50	411	
DATE:	22-Mar-07	10.1	9.8	7.31	50	2.5	2	0.072	0.04	51.4	413	
DATE:	23-May-07	13.6	8.4	7.68	6	2.2	9	0.142	0.04	11	408	
DATE:	03-Jul-07	14.2	8.2	7.23	7	1.3	12	0.125	0.07	11.9	429	38,827 1,300
DATE:	26-Sep-07	12	7.5	7.73	4	1.4	2.4	0.103	0.0	27.9	438	
DATE:	20-Nov-07	9.9	7.8	7.77	10	1	3	0.098	0.6	21.3	396	
Average:	11.3	8.4	7.52	15	1.7	5	0.100	0.14	28.9	416		
Max:	14.2	9.8	7.77	50	2.5	12	0.142	0.6	51.4	438		
Min:	8.1	7.5	7.2	4.0	1.0	2.0	0.060	0.0	11.0	396		

Monitoring point M06												
RIVER WATER ANALYSIS										2007		
River:	GLASHEEN (Cork City)			Trib of:	Lee			St. Loc:	Sandbrook Estate			
Code:	19/G/04			Catchment:	Lee			Grid ref.	E 165278			
									N 69504			
End Ref:	W 651 711							St. No.	:0300			
Analysis:	Temp.	D.O.	pH	C.O.D.	B.O.D.	s.solids	Total P.	ammon.	Nitrate	Cond.	Total	Faecal
Limits:	S 21.5 C	50%	6.0-9.0	mg/l	<5	<25	<0.07	<1mg/l	mg/l	uS/cm	Coliform	Coliform
	W 10 C	>9mg/l	pH units		mg/l	mg/l	mgP/l	NH4	NO3		/100mls	/100mls
DATE:	23-Jan-07	8	6.8	7.52	9	1.4	4	0.092	0.24	34.3	458	
DATE:	22-Mar-07	10.7	6.9	7.31	17	2.1	6	0.110	0.17	36.6	456	
DATE:	23-May-07	16.6	2.3	7.25	26	8	28	0.422	0.88	48.8	473	
DATE:	03-Jul-07	14.2	4.2	6.84	15	1.7	9	0.169	0.51	8.25	466	49,020 3,185
DATE:	26-Sep-07	13.6	1.6	7.17	13	2.6	6	0.169	0.53	7.16	485	
DATE:	20-Nov-07	10.9	2.5	7.37	19	2.5	9	0.215	1.62	4.0	429	
Average:	12.3	4.1	7.24	17	3.1	10	0.196	0.66	23.2	461		
Max:	16.6	6.9	7.52	26	8	28	0.422	1.62	48.8	485		
Min:	8.0	1.6	6.84	9	1.4	4.0	0.092	0.17	4.0	429		

Monitoring point M07												
RIVER WATER ANALYSIS											2007	
River:	GLASHEEN (Cork City)			Trib of:	Lee			St. Loc:	Clashduv Road			
Code:	19/G/04			Catchment:	Lee			Grid ref.	E 165698			
End Ref:	W 651 711								N 70336			
								St. No.	:0400			
Analysis:	Temp.	D.O.	pH	C.O.D.	B.O.D.	s.solids	Total P.	ammon.	Nitrate	Cond.	Total	Faecal
Limits:	S 21.5 C	50%	6.0-9.0	mg/l	<5	<25	<0.07	<1mg/l	mg/l	uS/cm	Coliform	Coliform
	W 10 C	>9mg/l	pH units		mg/l	mg/l	mgP/l	NH4	NO3		/100mls	/100mls
DATE:	23-Jan-07	7.2	6.2	7.49	6	1.9	18	0.130	0.22	33.9	476	
DATE:	22-Mar-07	10.7	5.9	7.49	9	2.3	6	0.132	0.17	36.2	481	
DATE:	23-May-07	15	2.6	7.22	6	3	4.4	0.200	1.24	6.29	488	
DATE:	03-Jul-07	14.8	4.6	7.08	9	1	5	0.142	0.51	6.73	478	49,020 3,250
DATE:	26-Sep-07	12.5	2.2	7.39	7	1.5	2	0.135	0.28	8.71	471	
DATE:	20-Nov-07	10.1	2.3	7.34	14	1.9	7.2	0.215	2.32	3.31	418	
Average:		11.7	4.0	7.34	8.5	1.9	7.1	0.159	0.79	15.9	469	
Max:		15	6.2	7.49	14	3	18	0.215	2.32	36.2	488	
Min:		7.2	2.2	7.08	6	1.1	2	0.130	0.17	3.31	418	

Monitoring point M08												
RIVER WATER ANALYSIS											2007	
River:	GLASHEEN (Cork City)			Trib of:	Lee			St. Loc:	Glasheen Bridge			
Code:	19/G/04			Catchment:	Lee			Grid ref.	E 165391 N 70768			
End Ref:	W 651 711						St. No.	:0500				
Analysis:	Temp.	D.O.	pH	C.O.D.	B.O.D.	s.solids	Total P.	ammon.	Nitrate	Cond.	Total	Faecal
Limits:	S 21.5 C	50%	6.0-9.0	mg/l	<5	<25	<0.07	<1mg/l	mg/l	uS/cm	Coliform	Faecal
	W 10 C	>9mg/l	pH units		mg/l	mg/l	mgP/l	NH4	NO3		/100mls	/100mls
DATE:	23-Jan-07	7	7.2	7.38	<1	1.7	12	0.127	0.24	32.5	475	
DATE:	22-Mar-07	10.9	6.4	7.44	14	3.4	7	0.132	0.17	34.8	482	
DATE:	23-May-07	15	4.2	7.44	10	3.3	5	0.229	0.8	5.81	487	
DATE:	03-Jul-07	14.6	5.0	7.11	9	1.7	9	0.152	0.48	6.63	476	40,820 1,895
DATE:	26-Sep-07	12.2	4.4	7.50		2	5	0.142	0.19	7.8	465	
DATE:	20-Nov-07	9.9	3.4	7.36	12	1.8	4	0.160	1.54	3.75	426	
Average:	11.6	5.1	7.37	11.3	2.3	7	0.157	0.57	15.2	469		
Max:	15	7.2	7.5	14	3.4	12	0.229	1.54	34.8	487		
Min:	7	3.4	7.11	9	1.7	4	0.127	0.17	3.75	426		

Monitoring point M09													
RIVER WATER ANALYSIS										2007			
River:	BRIDE (Cork City)	Trib of:	Lee			St. Loc:	Blackstone Bridge						
Code:	19/B/14	Catchment:	Lee			Grid ref.	E 165693						
							N 74458						
End Ref:						St. No.	:0100						
Analysis:	Temp.	D.O.	pH	C.O.D.	B.O.D.	s.solids	Total P.	ammon.	Nitrate	Cond.	Total	Faecal	
Limits:	S 21.5 C	50%	6.0-9.0	mg/l	<5	<25	<0.07	<1mg/l	mg/l	uS/cm	Coliform	Coliform	
	W 10 C	>9mg/l	pH units		mg/l	mg/l	mgP/l	NH4	NO3		/100mls	/100mls	
DATE:	20-Feb-07	7.9	8.9	7.44	7	1.8	30	0.132	0.1	44	272		
DATE:	19-Apr-07	10.9	12.5	7.99	<1	1.4	2	0.053	0.09	45.2	309		
DATE:	27-Jun-07	13.4	8.9	7.38	11	2	4	0.070	0.03	7.86	292	3,784 275	
DATE:	29-Aug-07	13.6	4.5	7.96	6	1.6	5	0.060	<0.01	42.6	331		
DATE:	17-Oct-07	10.3	5.7	7.75	9	2	6	0.182	0.07	24.9	337		
DATE:	04-Dec-07	10.7	7	7.67	18	1	2	0.102	0.06	33.2	350		
Average:		11.1	7.9	7.70	10	1.6	8	0.100	0.07	33	315		
Max:		13.6	12.5	7.99	18	2	30	0.182	0.1	45.2	350		
Min:		7.9	4.5	7.38	6	1	2	0.053	0.03	7.86	272		

Monitoring point M10														
RIVER WATER ANALYSIS										2007				
River:	BRIDE (Cork City)	Trib of:	Lee			St. Loc:	Kilnap							
Code:	19/B/14	Catchment:	Lee			Grid ref.:	E 166284							
							N 74795							
End Ref:						St. No.:	:0200							
Analysis:	Temp.	D.O.	pH	C.O.D.	B.O.D.	s.solids	Total P.	ammon.	Nitrate	Cond.	Total	Faecal		
Limits:	S 21.5 C	50%	6.0-9.0	mg/l	<5	<25	<0.07	<1mg/l	mg/l	uS/cm	Coliform	Coliform		
	W 10 C	>9mg/l	pH units		mg/l	mg/l	mgP/l	NH4	NO3		/100mls	/100mls		
DATE:	20-Feb-07	8.2	9.4	7.71	1	3.3	39	0.167	0.09	45.8	261			
DATE:	19-Apr-07	10.3	10	7.97	<1		2	5	0.078	0.06	50.8	301		
DATE:	27-Jun-07	13	8.9	7.82	8	1.3	1	0.147	0.03	10.5	289	7,468	473	
DATE:	29-Aug-07	13.6	7.7	7.72	2	1	2	0.157	<0.012	49				
DATE:	17-Oct-07	10.4	9.9	7.84	15	1.4	2	0.225	0.06	25.7	312			
DATE:	04-Dec-07	10.9	10.2	7.78	24	1.8	14	0.205	0.05	31.1	320			
Average:	11.1	9.4	7.81	10	1.8	11	0.163	0.06	35.5	297				
Max:	13.6	10.2	7.97	24	3.3	39	0.225	0.09	50.8	320				
Min:	8.2	7.7	7.71	1	1	1	0.078	0.03	10.5	261				

Monitoring point M11												
RIVER WATER ANALYSIS 2007												
River:	BRIDE (Cork City)	Trib of:	Lee	St. Loc: Fitz's Boreen								
Code:	19/B/14	Catchment:	Lee	Grid ref. E 166904								
				N 74263								
End Ref:					St. No. :0300							
Analysis:	Temp.	D.O.	pH	C.O.D.	B.O.D.	s.solids	Total P.	ammon.	Nitrate	Cond.	Total	Faecal
Limits:	S 21.5 C	50%	6.0-9.0	mg/l	<5	<25	<0.07	<1mg/l	mg/l	uS/cm	Coliform	Faecal
	W 10 C	>9mg/l	pH units		mg/l	mg/l	mgP/l	NH4	NO3		/100mls	/100mls
DATE:	20-Feb-07	8.1	9.4	7.61	5	1.2	8.0	0.107	0.08	46.2	277	
DATE:	19-Apr-07	10.4	11.7	7.98	<1	1.7	7	0.083	0.06	50.8	311	
DATE:	27-Jun-07	13.4	8.9	7.86	14	1.5	2	0.110	0.05	9.32	299	7,273 1,040
DATE:	29-Aug-07	14.3	8.1	7.83	1.0	1.0	21	0.108	<0.01	47.8	326	
DATE:	17-Oct-07	10.7	9.4	7.89	13	1.9	3	0.182	0.03	24.2	327	
DATE:	04-Dec-07	11.1	9.4	7.06	15	1.1	4	0.147	0.06	31.2	336	
Average:	11.3	9.5	7.71	10	1.4	8	0.123	0.06	34.9	313		
Max:	14.3	11.7	7.98	15	1.9	21	0.182	0.08	50.8	336		
Min:	8.1	8.1	7.06	1.0	1.0	2	0.083	0.03	9.3	277		

Monitoring point M12													
RIVER WATER ANALYSIS										2007			
River:	BRIDE (Cork City)	Trib of:	Lee			St.Loc:	Blackpool						
Code:	19/B/14	Catchment:	Lee			Grid ref.	E 1675426						
							N 73340						
End Ref:						St. No.	:0400						
Analysis:	Temp.	D.O.	pH	C.O.D.	B.O.D.	s.solids	Total P.	ammon.	Nitrate	Cond.	Total	Faecal	
Limits:	S 21.5 C	50%	6.0-9.0	mg/l	<5	<25	<0.07	<1mg/l	mg/l	uS/cm	Coliform	Coliform	
	W 10 C	>9mg/l	pH units		mg/l	mg/l	mgP/l	NH4	NO3		/100mls	/100mls	
DATE:	20-Feb-07	7.7	8.6	7.73	30	1.6	8	0.137	0.13	45	287		
DATE:	19-Apr-07	10.2	9.3	7.71	2	6	7	0.255	0.8	49.2	350		
DATE:	27-Jun-07	13.1	9.1	7.59	7	7.3	2	0.115	0.08	8.91	316	30,655 2,250	
DATE:	29-Aug-07	14	8.6	7.91	4	1.2	4	0.118	<0.01	46.8	375		
DATE:	17-Oct-07	10.6	7.8	7.85	19	1.8	6	0.182	0.05	22.4	380		
DATE:	04-Dec-07	10.9	8.4	8.38	22	4.5	6	0.250	0.44	28.7	353		
Average:	11.1	8.6	7.86	14	2.7	5.5	5.5	0.176	0.30	33.5	344		
Max:	14	9.3	8.38	30	6	8	8	0.255	0.80	49.2	380		
Min:	7.7	7.8	7.59	2	1.2	2	2	0.115	0.05	8.91	287		

Monitoring point M13														
RIVER WATER ANALYSIS										2007				
River:	GLEN (Cork City)			Trib of:	Glen (Cork City)			St.Loc:	Glen, Rec. Park					
Code:	19/G/09			Catchment:	Lee			Grid ref.	E 168939 N 73456					
End Ref:								St. No:	: 0100					
River:	GLEN													
Analysis:	Temp.	D.O.	pH	C.O.D.	B.O.D.	s.solids	Total P.	ammon.	Nitrate	Cond.	Total	Faecal		
Limits:	S 21.5 C	50%	6.0-9.0	mg/l	<5	<25	<0.07	<1mg/l	mg/l	uS/cm	Collform	Coliform		
	W 10 C	>9mg/l	pH units		mg/l	mg/l	mgP/l	NH4	NO3		/100mls	/100mls		
DATE:	20-Feb-07	7.9	9.1	7.74	<1	1.56	9	0.162	0.08	47	303			
DATE:	19-Apr-07	9.8	11	7.94	7	2.3	4	0.169	0.14	38.8	339			
DATE:	27-Jun-07	13.6	8.3	7.71	6	2.0	3	0.159	0.07	8.9	345	86,640	8,600	
DATE:	29-Aug-07	13.8	7.5	7.76	4	1.4	16	0.144	0.01	39.6	351			
DATE:	17-Oct-07	10.2	8.4	7.92	5	1.8	3	0.189	0.23	19.5	358			
DATE:	04-Dec-07	10.9	8.8	7.98	16	1.9	6	0.222	0.18	30.2	350			
Average:		11	8.9	7.84	7.6	1.8	6.8	0.174	0.12	31	341			
Max:		13.8	11	7.98	16	2.3	16	0.222	0.23	47	358			
Min:		7.9	7.5	7.71	4	1.4	3	0.144	0.01	8.87	303			

Monitoring point M14													
RIVER WATER ANALYSIS										2007			
River:	GLEN (Cork City)		Trib of:	Bride (Cork City)		St. Loc:	Spring Lane						
Code:	19/G/09		Catchment:	Lee		Grid ref.	E 167843						
End Ref:							N 73543						
						St. No	:0200						
Analysis:	Temp.	D.O.	pH	C.O.D.	B.O.D.	s.solids	Total P.	ammon.	Nitrate	Cond.	Total	Faecal	
Limits:	S 21.5 C	50%	6.0-9.0	mg/l	<5	<25	<0.07	<1mg/l	mg/l	uS/cm	Coliform	Coliform	
	W 10 C	>9mg/l	pH units		mg/l	mg/l	mgP/l	NH4	NO3		/100mls	/100mls	
DATE:	20-Feb-07	7.5	9.7	7.83	<1	1.24	7	0.150	0.07	44.2	305		
DATE:	19-Apr-07	11.2	9.1	7.85	<1	1.7	3	0.140	0.12	32.4	356		
DATE:	27-Jun-07	14.4	8.4	7.79	8	1.4	2	0.150	0.06	7.79	351	40,820 2,205	
DATE:	29-Aug-07	14.3	7.6	7.84	<1	1.2	2	0.145	0.04	38.5	362		
DATE:	17-Oct-07	10.6	8.6	7.86	14	2.2	2	0.169	0.04	11.9	340		
DATE:	04-Dec-07	10.3	9.5	7.66	23	1.11	15	0.264	0.04	28.3	354		
Average:	11	8.8	7.81	15	1.5	5.2	0.170	0.06	27.2	345			
Max:	14.4	9.7	7.86	23	2.2	15	0.264	0.12	44.2	362			
Min:	7.5	7.6	7.66	8	1.11	2	0.14	0.04	7.79	305			

Monitoring point M15												
RIVER WATER ANALYSIS											2007	
River:	GLEN (Cork City)		Trib of:	Bride (Cork City)		St. Loc:	Leitrim St.					
Code:	19/G/09		Catchment:	Lee		Grid ref.	E 167496					
End Ref:							N 72342					
River:	KILN					St. No.	:0300					
Analysis:	Temp.	D.O.	pH	C.O.D.	B.O.D.	s.solids	Total P.	ammon.	Nitrate	Cond.	Total	Faecal
Limits:	S 21.5 C	50%	6.0-9.0	mg/l	<5	<25	<0.07	<1mg/l	mg/l	uS/cm	Coliform	Coliform
	W 10 C	>9mg/l			mg/l	mg/l	mgP/l	NH4	NO3		/100mls	/100mls
DATE:	20-Feb-07	8.6	8.6	7.76	8	4.6	9	0.200	0.23	46.6	296	
DATE:	19-Apr-07	11.1	7.6	7.18	10	8.9	4	0.958	0.64	47.2	1096	
DATE:	27-Jun-07	13.1	7.8	7.45	11	2.7	4	0.227	0.08	8.91	364	260,200 142,100
DATE:	29-Aug-07	14.9	6.6	7.34	18	8	8	1.110	2.04	69.2		
DATE:	17-Oct-07	12.3	5.7	7.70	25	7.1	7	0.481	0.56	17.9	649	
DATE:	04-Dec-07	11.4	6.6	8.03	337	171	107	2.50	6.6	38.8	575	
Average:		11.9	7.2	7.58	68	34	23	0.913	1.69	38.1	596	
Max:		14.9	8.6	8.03	337	171	107	2.5	6.6	69.2	1096	
Min:		8.6	5.7	7.18	8.0	2.7	4.0	0.200	0.08	8.91	296	