

Attachment E4 Rathcormack Inlet Samples To Treatment Plant

Sample Date	12/03/2008*	19/06/2008	04/06/2008	17/07/2008	Average
Sample	Influent	Influent	Influent	Influent	
Flow M ³ /Day	*	*	*	*	
pH	8.4	7.5	*	7.2	7.7
Temperature °C	*	*	*	*	*
Cond 20°C	614	3.9	671	679	491.98
SS mg/L	114	6	1790	1962	968
NH ₃ mg/L	29	0.2	20.6	31.8	20.4
BOD mg/L	180	1.99	*	948	376.7
COD mg/L	510	<21	1420	6000	2643.3
TN mg/L	*	2.6	*	*	*
Nitrite mg/L	*	*	*	0.005	0.005
Nitrate mg/L	6.5	<0.2	26.25	<0.4	<0.4
TP mg/L	5	0.53	8.82	*	16.375
O-PO4-P mg/L	*	*	*	14.75	7.275
SO4 mg/L	*	*	*	59.1	59.1
Phenols µg/L	*	*	*	<0.10	<0.10
Atrazine µg/L	*	*	*	<0.01	<0.01
Dichloromethane µg/L	*	*	*	<1.0	<1.0
Simazine µg/L	*	*	*	<0.01	<0.01
Toluene µg/L	*	*	*	<1.0	<1.0
Tributyltin µg/L	*	*	*	*	*
Xylenes µg/L	*	*	*	<1.0	<1.0
Arsenic µg/L	*	*	*	1	1
Chromium mg/L	*	<0.02	<0.02	<0.02	<0.02
Copper mg/L	*	<0.02	0.637	0.58	0.6085
Cyanide µg/L	*	*	*	<5	<5
Fluoride µg/L	*	*	*	530	530
Lead mg/L	*	0.032	0.049	0.093	0.071
Nickel mg/L	*	<0.02	<0.02	<0.02	<0.02
Zinc mg/L	*	<0.02	0.983	0.667	0.82
Boron mg/L	*	0.209	0.2	0.069	0.1345
Cadmium mg/L	*	<0.02	<0.02	<0.02	<0.02
Mercury µg/L	*	*	*	0.6	0.6
Selenium µg/L	*	*	*	1	1
Barium mg/L	*	<0.02	0.159	0.143	0.151

* = water services Annabellia

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Attachment E4 Rathcormack Discharge Samples 2008

Sample Date	7/2/2008	28/02/2008	12/03/2008	26/03/2008	03/04/2008	24/04/2008	04/06/2008	12/06/2008	10/07/2008	17/07/2008	Average
Sample	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	
Flow M ³ /Day	*	*	*	*	*	*	*	*	*	*	400
pH	7.4	7.7	7.6	*	*	*	7.5	7.8	*	7.8	7.63
Temperature °C	*	*	*	*	*	*	*	*	*	*	*
Cond 20°C	*	*	614	*	668	*	662	677	580	646	641.2
SS mg/L	101	18	12	36	24	122	6	4	6	7	33.6
NH ₃ mg/L	25.5	35.1	17	*	25	12.7	23.8	30.3	22.9	32.8	25.0
BOD mg/L	66.45	21	12	31	9.54	80.4	7.2	6.67	16	6.35	26
COD mg/L	167	83	51	98	53	188	40	41	57	36	81.4
TN mg/L	*	37.6	*	3.8	45	*	*	*	24.7	65	35.22
Nitrite mg/L	*	*	*	*	*	*	*	*	*	0.0296	0.0296
Nitrate mg/L	*	*	2.1	4.05	2.27	3.42	2.2	2.83	12.3	<0.4	<0.4
TP mg/L	4.65	2.5	1.5	3.8	1.67	*	*	2.36	2.97	1.77	3.81
O-PO4-P mg/L	3.29	2.73	*	*	*	*	*	2.36	*	1.12	2.43
SO4 mg/L	58.6	60	*	*	*	*	*	*	*	63.9	60.83
Phenols µg/L	*	*	*	*	*	*	*	*	*	<0.1	<0.1
Atrazine µg/L	*	*	*	*	*	*	*	*	*	<0.01	<0.01
Chloromethane	*	*	*	*	*	*	*	*	*	<1.0	<1.0
Simazine µg/L	*	*	*	*	*	*	*	*	*	<0.01	<0.01
Toluene µg/L	*	*	*	*	*	*	*	*	*	<1.0	<1.0
tributyltin µg/L	*	*	*	*	*	*	*	*	*	*	*
Xylenes µg/L	*	*	*	*	*	*	*	*	*	*	*
Arsenic µg/L	*	*	*	*	*	*	*	*	*	<1.0	<1.0
Chromium mg/L	<0.02	<0.02	<0.02	*	*	*	*	<0.02	<0.02	<0.96	<0.96
Copper mg/L	0.03	<0.02	*	*	*	*	*	<0.02	<0.02	<0.02	<0.02
Cyanide µg/L	*	*	*	*	*	*	*	*	*	<5.0	0.03
Fluoride µg/L	*	*	*	*	*	*	*	*	*	600	600
Lead mg/L	0.028	0.024	*	*	*	*	*	0.023	*	<0.02	0.0250
Nickel mg/L	<0.02	<0.02	*	*	*	*	*	<0.02	<0.02	<0.02	<0.02
Zinc mg/L	0.036	0.024	*	*	*	*	*	<0.02	<0.02	<0.02	0.03
Boron mg/L	0.048	0.094	*	*	*	*	*	0.075	*	0.084	0.0753
Cadmium mg/L	<0.02	<0.02	*	*	*	*	*	<0.02	<0.02	<0.02	<0.02
Mercury µg/L	*	*	*	*	*	*	*	*	*	0.8	0.8
Selenium µg/L	*	*	*	*	*	*	*	*	*	1	1
Barium mg/L	<0.02	<0.02	*	*	*	*	*	<0.02	<0.02	<0.02	<0.02

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Attachment E4 Rathcormack Application River Bride Upstream Of Plant

Sample Date	26/03/2008	03/04/2008	24/04/2008	12/06/2008	10/07/2008	17/07/2008
Sample	River	River	river	River	River	River
Flow M ³ /Day	*	*	*	*	*	*
pH	*	*	*	*	*	7.8
Temperature °C	*	*	*	*	*	*
Cond 20°C	23	171	5	*	157	181
SS mg/L	<0.1	<2.5	<0.1	<2.5	<2.5	<2.5
NH ₃ mg/L	1.8	<1.0	1.72	<1.0	1.82	<1.0
BOD mg/L	<21	*	<21	*	*	<21
COD mg/L	<0.5	*	*	3.5	4.1	2.7
TN mg/L	*	*	*	*	*	0.0091
Nitrite mg/L	*	*	*	*	*	2.98
Nitrate mg/L	<0.20	<0.05	<0.2	<0.2	<0.2	<0.20
TP mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
O-P-O4-P mg/L	*	*	*	*	*	<30
SO4 mg/L	*	*	*	*	*	<0.1
Phenols µg/L	*	*	*	*	*	<0.01
Atrazine µg/L	*	*	*	*	*	<1.0
Dichloromethane	*	*	*	*	*	<0.01
Simazine µg/L	*	*	*	*	*	<1.0
Toluene µg/L	*	*	*	*	*	<1.0
Tributyltin µg/L	*	*	*	*	*	*
Xylenes µg/L	*	*	*	*	*	<1.0
Arsenic µg/L	*	*	*	*	*	<0.96
Chromium mg/L	<0.02	<0.02	*	<0.02	<0.02	<0.02
Copper mg/L	<0.02	<0.02	*	<0.02	<0.02	<0.02
Cyanide µg/L	*	*	*	*	*	<5
Fluoride µg/L	*	*	*	*	*	<100
Lead mg/L	<0.02	<0.02	*	<0.02	<0.02	<0.02
Nickel mg/L	<0.02	<0.02	*	<0.02	<0.02	<0.02
Zinc mg/L	<0.02	<0.02	*	<0.02	<0.02	<0.02
Boron mg/L	<0.02	<0.02	*	<0.02	<0.02	<0.02
Cadmium mg/L	<0.02	<0.02	*	<0.02	<0.02	<0.02
Mercury µg/L	*	*	*	*	*	1.1
Selenium µg/L	*	*	*	*	*	1
Barium mg/L	<0.02	<0.02	*	0.034	0.023	0.036

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Attachment E4 Rathcormack River Bride Downstream of Plant

Sample Date	26/03/2008	03/04/2008	24/04/2008	12/06/2008	10/07/2008	17/07/2008
Sample	River	River	River	River	River	River
Flow M ³ /Day	*	*	*	*	*	*
pH	*	*	*	*	*	7.8
Temperature °C	*	*	*	*	*	*
Cond 20°C	*	175	*	*	*	161.5
SS mg/L	<2.5	<2.5	3	<2.5	<2.5	163
NH ₃ mg/L	<0.1	<0.1	<0.1	0.1	<0.1	<2.5
BOD mg/L	1.09	<1.0	1.77	1.28	<1.0	0.1
COD mg/L	<21	*	<21	*	*	<1.0
TN mg/L	<0.5	*	*	3.1	2.6	<21
Nitrite mg/L	*	*	*	*	*	3.1
Nitrate mg/L	*	*	*	*	*	0.0101
TP mg/L	<0.2	<0.2	<0.2	<0.2	<0.2	2.93
O-PO4-P mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
SO4 mg/L	*	*	*	*	*	<30
Phenols µg/L	*	*	*	*	*	<0.1
Atrazine µg/L	*	*	*	*	*	<0.01
Dichloromethane	*	*	*	*	*	<1.0
Stimazine µg/L	*	*	*	*	*	<0.01
Toluene µg/L	*	*	*	*	*	<1.0
Tributyltin µg/L	*	*	*	*	*	*
Xylenes µg/L	*	*	*	*	*	<1.0
Arsenic µg/L	*	*	*	*	*	<0.96
Chromium mg/L	*	*	*	<0.02	*	<0.02
Copper mg/L	*	*	*	<0.02	*	<0.02
Cyanide µg/L	*	*	*	*	*	<5
Fluoride µg/L	*	*	*	*	*	<100
Lead mg/L	*	*	*	<0.02	*	<0.02
Nickel mg/L	*	*	*	<0.02	*	<0.02
Zinc mg/L	*	*	*	<0.02	*	<0.02
Boron mg/L	*	*	*	0.065	*	<0.02
Cadmium mg/L	*	*	*	<0.02	*	<0.02
Mercury µg/L	*	*	*	*	*	1
Selenium µg/L	*	*	*	*	*	1
Barium mg/L	*	*	*	0.033	*	0.03

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Attachment E4 River Bride (northern) Water Quality Data analysis By Water Quality Section Cork Co. Council

Project	Bride 2007	Parameter	Molybdate Re P	Ammonium NH4	Nitrate NO3	Nitrite NO2	Appearance	Temperature	Dissolved O2	Dissolved O2 %	pH	BOD O2	Suspended Solids	Colour Hazen	Chloride Cl	Conductivity (µS/cm)	Hardness CaCO3	Alkalinity CaCO3	Copper (Diss.)	Zn	Comments
Dr. Barry Br	18B050320	10-Jan-07 Salmonoid	0.025	0.077	10.8	0.027	descriptiv	7.5	11	92	7.3	1	24						0.002	0.006	
Mogeely Br.	18B050700	10-Jan-07 Salmonoid	0.027	0.102	15.9	0.045	clear	8.8	10.7	92	7.5	1.7	57	240		171	77	50	< 0.001	0.003	
Beal Ford B	18B050500	10-Jan-07 WFD Surveillance	0.021	0.112	13.9	0.035	clear	7.9	10.8	91	7.5	1.3	34			171			< 0.001	0.002	
Brides Br	18B050400	10-Jan-07 Salmonoid	0.023	0.083	12.9	0.033	clear	7.7	10.8	92	7.5	1	26	22		283			< 0.002	0	
Mogeely Br.	18B050700	01-Feb-07 Salmonoid	0.021	0.033		0.019	clear	9.2	11.2	96	7.8	< 1	3	20	18.9	183			< 0.002		
Dr. Barry Br	18B050320	01-Feb-07 Salmonoid	0.023	0.039		0.021	clear	8.6	11.4	97	7.6	< 1	2	20	16.6	220			< 0.002		
Brides Br	18B050400	01-Feb-07 WFD Surveillance	0.023	0.034		0.025	clear	8.7	11.4	97	7.7	< 1	1	22	17.7	262			< 0.001		
Beal Ford B	18B050500	01-Feb-07 WFD Surveillance	0.023	0.04		0.023	clear	8.9	11.3	97	7.7	< 1	1.4	20	18.3	151			0.001	0.003	
Dr. Barry Br	18B050320	07-Mar-07 Salmonoid	0.027	0.048	14.3	0.037	clear	6.6	11.6	96	7.8	< 1	4			151			0.001	0.001	
Mogeely Br.	18B050700	07-Mar-07 WFD Surveillance	0.032	0.061	19	0.03	clear	7.4	11.2	94	8.1	< 1	7	71	16.2	206	62	62	0.001	0	
Beal Ford B	18B050500	07-Mar-07 WFD Surveillance	0.031	0.053	17.6	0.029	clear	7.1	11.4	95	8.1	< 1	5		19.4	180			0	0	
Brides Br	18B050400	07-Mar-07 Salmonoid	0.031	0.053	17.6	0.029	clear	6.8	11.4	95	8	< 1	2	14	18.6	295			0	0	
Mogeely Br.	18B050700	04-Apr-07 WFD Surveillance	0.009	< 0.026	22.8	0.017	clear	8.1	11.9	98	7.8	< 1	2		19.4			0	0		
Beal Ford B	18B050500	04-Apr-07 WFD Surveillance	0.009	< 0.026	22.8	0.017	clear	8	11.9	98	7.8	< 1	2		18.6			0	0		
Brides Br	18B050400	04-Apr-07 Salmonoid	0.011	0.026	21.6	0.021	clear	7.5	11.8	97	7.7	< 1	2		16.7			0.001	0.001		
Dr. Barry Br	18B050320	04-Apr-07 Salmonoid	0.008	0.026	17	0.015	clear	7.4	11.7	95	7.7	< 1	2	26	18.6	324			0.001	0.001	
Beal Ford B	18B050500	02-May-07 WFD Surveillance	0.007	0.038	21.9	0.08	clear	11.7	14.2	113	7.9	1.3	5					120	0		
Brides Br	18B050400	02-May-07 WFD Surveillance	0.006	0.038	19.4	0.071	clear	7.7	14.2	112	7.9	1.2	5					120	0		
Dr. Barry Br	18B050320	02-May-07 Salmonoid	0.006	0.038	19.4	0.071	clear	11.9	12.6	112	7.9	1.2	5					120	0		
Mogeely Br.	18B050700	02-May-07 WFD Surveillance	0.006	0.035	15.5	0.051	clear	11.9	12.6	117	7.9	1.4	2					120	0		
Beal Ford B	18B050500	02-May-07 Salmonoid	0.023	0.035	26.6	0.083	clear	13.3	12.4	119	8.1	1	1					120	0		
Dr. Barry Br	18B050320	06-Jun-07 Salmonoid	0.016	0.176	19.5	0.061	clear	14.6	10.3	101	7.9	0.9	2	39	18.4	319			0.001	< 0.002	
Mogeely Br.	18B050700	06-Jun-07 WFD Surveillance	0.031	0.058		0.097	clear	15.6	10.6	104	8	< 1	4					116	0.001	< 0.002	
Brides Br	18B050400	06-Jun-07 Salmonoid	0.016	0.046		0.117	clear	14.7	10.1	100	8	< 1	2					104	0.001	< 0.002	
Dr. Barry Br	18B050320	04-Jul-07 Salmonoid	0.028	0.039		0.035	clear	13.7	10.6	98	7.8	< 1	2					116	0.001	< 0.002	
Brides Br	18B050400	04-Jul-07 WFD Surveillance	0.014	0.035		0.022	clear	13	10.6	98	7.8	< 1	< 1					112	0.001	0	
Beal Ford B	18B050500	04-Jul-07 WFD Surveillance	0.027	< 0.026	14.2	0.032	clear	13.2	10.2	99	7.9	0.6	2	48	17.2	228			0.001	0	
Mogeely Br.	18B050700	02-Aug-07 Salmonoid	0.013	< 0.026	9.4	< 0.013	clear	14	10.1	101	7.7	< 1	2					112	0.001	< 0.025	
Beal Ford B	18B050500	02-Aug-07 WFD Surveillance	0.026	0.027	16.2	0.027	clear	13.5	10.2	102	7.8	< 1	2					112	0.001	< 0.025	
Brides Br	18B050400	02-Aug-07 Salmonoid	0.026	0.104	14.4	0.021	clear	14.3	10.7	104	7.8	< 1	2	37				123	0.001	< 0.025	
Dr. Barry Br	18B050320	02-Aug-07 WFD Surveillance	0.025	0.104	14.2	0.025	clear	13.5	10.3	99	7.6	< 1	1					76	0.001	< 0.002	
Mogeely Br.	18B050700	02-Aug-07 Salmonoid	0.033	< 0.026	12.6	0.027	clear	12.2	10.4	98	7.5	< 1	1					62	0.001	< 0.002	
Brides Br	18B050400	02-Aug-07 WFD Surveillance	0.02	< 0.026	14.3	0.031	clear	14.3	10.2	99	7.9	< 1	1					149	0.001	< 0.025	
Beal Ford B	18B050500	12-Sep-07 Salmonoid	0.016	0.152	14.5	0.034	clear	14.2	9.1	89	7.6	< 1	1					86	0.001	< 0.025	
Dr. Barry Br	18B050320	12-Sep-07 WFD Surveillance	0.018	< 0.026	18.3	0.05	clear	14.3	9.3	90	7.5	< 1	< 1					122	0.001	< 0.025	
Brides Br	18B050400	12-Sep-07 Salmonoid	0.009	< 0.026	10.7	0.013	clear	13.1	10.1	98	7.5	< 1	< 1					51	0.001	< 0.025	
Beal Ford B	18B050500	12-Sep-07 WFD Surveillance	0.019	0.066	19.6	0.059	clear	14.1	9.6	90	7.5	0.9	5	23	18.6	290			0.001	< 0.025	
Dr. Barry Br	18B050320	03-Oct-07 Salmonoid	0.03	0.35		0.051	clear	13.2	8.1	76	7.4	4.4	5					144	0.001	< 0.025	
Mogeely Br.	18B050700	03-Oct-07 WFD Surveillance	0.042	0.083		0.085	clear	13.3	8.9	87	7.5	< 1	< 1					98	0.001	< 0.025	
Brides Br	18B050400	03-Oct-07 Salmonoid	0.013	0.058		0.093	clear	12.6	9.4	88	7.3	< 1	1	36	18.8	299			0.001	< 0.025	
Beal Ford B	18B050500	03-Oct-07 WFD Surveillance	0.04	0.097		0.064	clear	14	8.1	79	7.6	1	1		18.7	281			0.001	< 0.025	
Dr. Barry Br	18B050320	01-Nov-07 WFD Surveillance	0.026	< 0.026	20.5	0.064	clear	11.4	10.3	93	7.8	1	< 1					160	0.001	< 0.025	
Mogeely Br.	18B050700	01-Nov-07 Salmonoid	0.013	< 0.026	17.5	0.014	clear	10.9	10.7	95	7.7	< 1	< 1					121	0.001	< 0.025	
Brides Br	18B050400	01-Nov-07 WFD Surveillance	0.023	0.096	8.9	0.044	clear	10.4	10.7	95	7.7	< 1	1					28	0.001	< 0.025	
Beal Ford B	18B050500	01-Nov-07 Salmonoid	0.023	0.096	12	0.051	clear	11.1	10	90	7.9	< 1	< 1					82	0.001	< 0.025	
Dr. Barry Br	18B050320	01-Nov-07 WFD Surveillance	0.024	0.048	20.9	0.067	clear	11.4	10.1	90	7.9	< 1	< 1					131	0.001	< 0.025	
Mogeely Br.	18B050700	01-Nov-07 Salmonoid	0.03	0.054	15.5	0.018	clear	9.6	9.9	89	7.8	< 1	< 1					116	0.001	< 0.025	
Brides Br	18B050400	05-Dec-07 Salmonoid	0.019	0.065	6.4	0.04	clear	10.2	10.7	97	7.4	< 1	3	146		151			0.001	< 0.025	
Beal Ford B	18B050500	05-Dec-07 WFD Surveillance	0.044	0.045	10.9	0.047	clear	10.2	10.1	91	7.4	< 1	3	87	20.4	224			0.001	< 0.025	
Dr. Barry Br	18B050320	05-Dec-07 Salmonoid	0.044	0.051	14.4	0.078	clear	10.1	9.9	90	7.6	< 1	5	105		197			0.001	< 0.025	
Mogeely Br.	18B050700	05-Dec-07 WFD Surveillance	0.05	0.053	17.9	0.048	clear	10.4	9.5	86	7.8	< 1	5	103					0.001	< 0.025	
Brides Br	18B050400	05-Dec-07 Salmonoid	0.057	0.054	13.3	0.048	clear	10.3	9.9	91	7.5	< 1	8						0.001	< 0.025	

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Attachment E4 River Bride (northern) Water Quality Data analysis By Water Quality Section Cork Co. Council

Project	Location Ref	Sample Date	Parameter	Comments	Molybdate P mg/l	Ammonium NH4 mg/l	Nitrate NO3 mg/l	Nitrite NO2 mg/l	Appearance	Temperature Degrees C	Dissolved O2 mg/l	Dissolved O2 % O2	pH	BOD O2 mg/l	Suspended Solids mg/l	Colour Hazen	Chloride Cl mg/l	Conductivity µS/cm	Hardness CaCO3 mg/l	Alkalinity CaCO3 mg/l	Copper (Diss. Cu) mg/l	Total Zn µg/l	
Bride 2008	Old Bride B	18B050050	03-Jan-08	Salmonoid	< 0.006	0.046	10	0.015	clear	5.9	11.8	97	7.7	< 1	1				47	38	< 0.004	< 25	
	Mogeely Br.	18B050700	03-Jan-08	Salmonoid	0.026	0.065	21.2	0.046	clear	6.6	11	92	7.9	< 1	2				115	86	< 0.004	< 25	
	Brides Br	18B050400	03-Jan-08	Salmonoid	0.029	0.063	18.3	0.035	clear	6.4	11.2	93	7.9	< 1	2				100	74	< 0.004	< 25	
	Beal Ford B	18B050500	03-Jan-08	WFD Surveillance	0.024	0.036	18.5	0.035	clear	6.5	11.3	94	7.8	< 0.1	4	35	19	229	100	76	< 0.004	< 25	
	Dr. Barry Br	18B050320	03-Jan-08	Salmonoid	0.024	0.033	14.8	0.022	clear	6.3	11.3	94	7.7	< 1	4				65	44	< 0.004	< 25	
	Dr. Barry Br	18B050320	21-Feb-08	Salmonoid	0.016	0.074	15.3	0.022	clear	7.6	11.8	99	7.8	< 1	5							< 0.004	< 25
	Brides Br	18B050400	21-Feb-08	Salmonoid	0.023	0.077	20.3	0.02	clear	7.9	11.6	98	7.8	< 1	2							< 0.004	< 25
	Beal Ford B	18B050500	21-Feb-08	WFD Surveillance	0.02	0.056	21	0.021	clear	8	11.6	98	7.8	0.4	< 1	< 1	17	265			98	< 0.004	< 25
	Old Bride B	18B050700	21-Feb-08	Salmonoid	0.011	0.236	11.7	< 0.013	clear	7.3	11.8	98	7.6	< 1	2							< 0.004	< 25
	Mogeely Br.	18B050700	05-Mar-08	Salmonoid	0.019	0.06	24.6	0.026	clear	8	11.6	97	8	< 1	< 1							< 0.004	< 25
	Mogeely Br.	18B050700	05-Mar-08	WFD Surveillance					clear	7.4	12.5	102	7.9	< 1	< 1	32	267			127	100		
	Beal Ford B	18B050500	05-Mar-08	Salmonoid					clear	7.3	12.5	103	7.9	0.3	< 1	< 1							
	Old Bride B	18B050050	05-Mar-08	Salmonoid					clear	7.2	12.1	98	7.6	< 1	< 1								
	Dr. Barry Br	18B050320	05-Mar-08	Salmonoid					clear	7.2	12.2	100	7.8	< 1	< 1								
	Brides Br	18B050400	05-Mar-08	Salmonoid					clear	7.3	12.2	101	7.9	< 1	< 1								
	Beal Ford B	18B050500	03-Apr-08	WFD Surveillance		0.034	18.2	0.016		10.2	12.2	109	7.8	0.4	1	29	19.2	249	116	84		< 25	
	Brides Br	18B050400	03-Apr-08	Salmonoid		0.056	18.2	0.016		10.2	12.5	109	7.8	< 1	1							< 25	
	Old Bride B	18B050050	03-Apr-08	Salmonoid		0.073	10.3	< 0.013		9.2	11.6	100	7.8	< 1	< 1							< 25	
	Mogeely Br.	18B050700	03-Apr-08	Salmonoid		0.062	21.4	0.02		10.6	11.9	106	7.9	< 1	< 1							< 25	
	Dr. Barry Br	18B050320	03-Apr-08	Salmonoid		0.067	14.7	0.013		12.9	12.8	112	7.7	< 1	< 1							< 25	
	Rathcormack br		08-May-08	Phosphate R		0.006				clear	12.2	12.1	114	7.7	< 1	< 1							
	conna br		08-May-08	Phosphate R		0.012				clear	15	12.2	115	8.1	< 1	2							
	Mogeely Br.	18B050700	08-May-08	Phosphate R		0.012	19.7			clear	14.4	11.4	117	8	< 1	2					54	116	
	Beal Ford B	18B050500	08-May-08	Phosphate R		0.012				clear	13.2	14	136	8.1	< 1	1					58	106	
Brides Br	18B050400	08-May-08	Salmonoid		0.016	16.4			clear	12.9	12.5	116	8	< 1	1					51	76		
Dr. Barry Br	18B050320	08-May-08	Salmonoid		0.008	11.6			clear	13.3	11.2	125	7.7	< 1	1					33	44		
Old Bride B	18B050050	08-May-08	Salmonoid		< 0.006	8.6			clear	12.2	11.6	112	7.7	< 1	1								
Old Bride B	18B050050	04-Jun-08	Salmonoid		0.008	0.026				11	10.6	98	7.7	1.3									
Old Bride B	18B050050	04-Jun-08	Salmonoid		0.012	0.118				12.2	10.1	94	7.6	3.2									
Dr. Barry Br	18B050320	04-Jun-08	Phosphate R		0.01	< 0.026				12.1	9.9	93	7.9	< 1									
conna br		04-Jun-08	Phosphate R		0.03	0.037				12.1	9.9	93	7.9	< 1									
Brides Br	18B050400	04-Jun-08	Phosphate R		0.007	0.027				12.1	9.9	93	7.9	< 1									
Rathcormack br		04-Jun-08	Phosphate R		0.007	0.027				12.1	9.9	93	7.9	< 1									
Mogeely Br.	18B050700	04-Jun-08	Salmonoid		0.014	< 0.026			clear	13.4	9.4	90	7.9	< 1	3								
Brides Br	18B050400	02-Jul-08	Salmonoid		0.045	0.069			clear	23.5	12.1	125	7.7	1.2	3								
Old Bride B	18B050050	02-Jul-08	Salmonoid		0.022	0.059			ir dark br	22.9	12.1	121	7.5	1.5	4								
Rathcormack br		02-Jul-08	Phosphate R		0.029	0.026			clear	23.3	13.6	115	7.6	1.1	2								
Dr. Barry Br	18B050320	02-Jul-08	Salmonoid		0.03	0.055			clear	23.4	10.1	111	7.6	1.1	2								
conna br		02-Jul-08	Phosphate R		0.047	0.038			clear	23.7	12.5	117	7.8	1.8	5								
Mogeely Br.	18B050700	02-Jul-08	Salmonoid		0.046	0.029			clear	22.9	12.3	119	7.8	1.8	5								

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