

MICROBIOLOGICAL RESULTS FOR NEWCASTLE CO. DOWN
BATHING WATER IN NORTHERN IRELAND

location	date		total coliforms cfu/100ml		faecal coliforms cfu/100ml		faecal streptococci cfu/100ml
NEWCASTLE	05/06/2006		90		3		6
NEWCASTLE	09/06/2006		290		290		34
NEWCASTLE	14/06/2006	<	10	<	1	<	1
NEWCASTLE	19/06/2006		230		33		5
NEWCASTLE	23/06/2006		180		46		13
NEWCASTLE	27/06/2006		30		1	<	1
NEWCASTLE	04/07/2006	<	10	<	1	<	1
NEWCASTLE	06/07/2006	<	10		4		1
NEWCASTLE	19/07/2006	<	10		2		1
NEWCASTLE	24/07/2006		120		31		4
NEWCASTLE	26/07/2006		30		14		4
NEWCASTLE	01/08/2006		320		70		13
NEWCASTLE	07/08/2006		100		54		11
NEWCASTLE	10/08/2006		110		16		14
NEWCASTLE	15/08/2006		90		17		4
NEWCASTLE	22/08/2006		160		27		7
NEWCASTLE	31/08/2006		1200		460		32
NEWCASTLE	05/09/2006		3400		1000		150
NEWCASTLE	08/09/2006		1000		120		45
NEWCASTLE	14/09/2006		4600		510		120

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location	date		total coliforms cfu/100ml		faecal coliforms cfu/100ml		faecal streptococci cfu/100ml
NEWCASTLE	04/06/2007		100		100		6
NEWCASTLE	07/06/2007		290		60		11
NEWCASTLE	11/06/2007	<	10		2		2
NEWCASTLE	14/06/2007		4200		2300		4600
NEWCASTLE	20/06/2007		4200		4200		900
NEWCASTLE	26/06/2007	<	10	<	1	<	1
NEWCASTLE	02/07/2007		130		15		4
NEWCASTLE	06/07/2007		7200		2600		580
NEWCASTLE	16/07/2007		700		460		90
NEWCASTLE	18/07/2007		190		61		21
NEWCASTLE	24/07/2007	<	10	<	1		2
NEWCASTLE	26/07/2007		1300		340		51
NEWCASTLE	01/08/2007		690		70		32
NEWCASTLE	07/08/2007		80		3		3
NEWCASTLE	10/08/2007		200		90		50
NEWCASTLE	15/08/2007		240		100		15
NEWCASTLE	23/08/2007		50		12		5
NEWCASTLE	29/08/2007		340		340		29
NEWCASTLE	05/09/2007	<	10		1		4
NEWCASTLE	11/09/2007		600		280		23

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location	date		total coliforms cfu/100ml		faecal coliforms cfu/100ml		faecal streptococci cfu/100ml
NEWCASTLE	04/06/2008		140		260		1500
NEWCASTLE	09/06/2008	<	10	<	1		1
NEWCASTLE	13/06/2008		20	<	1	<	1
NEWCASTLE	16/06/2008	<	10	<	1		3
NEWCASTLE	18/06/2008		150		44		34
NEWCASTLE	26/06/2008	<	100	<	1	<	1
NEWCASTLE	01/07/2008		380		120		68
NEWCASTLE	08/07/2008		60		18		10
NEWCASTLE	17/07/2008		70		53		13
NEWCASTLE	22/07/2008	<	10		5	<	1
NEWCASTLE	28/07/2008		10		1		2
NEWCASTLE	04/08/2008		100		18		8
NEWCASTLE	07/08/2008		680		400		64
NEWCASTLE	13/08/2008		420		130		45
NEWCASTLE	15/08/2008		550		250		90
NEWCASTLE	20/08/2008		1030		680		51
NEWCASTLE	29/08/2008		700		180		12
NEWCASTLE	02/09/2008		680		290		260
NEWCASTLE	05/09/2008		60		15		4
NEWCASTLE	11/09/2008		900		350		39

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location	date		total coliforms cfu/100ml		faecal coliforms cfu/100ml		faecal streptococci cfu/100ml
NEWCASTLE	02/06/2009		10		2		1
NEWCASTLE	04/06/2009		10		23		6
NEWCASTLE	08/06/2009		20		14		17
NEWCASTLE	16/06/2009	<	10		2		6
NEWCASTLE	22/06/2009		40		23		12
NEWCASTLE	02/07/2009		590		180		34
NEWCASTLE	06/07/2009		530		460		490
NEWCASTLE	08/07/2009		30		6		1
NEWCASTLE	15/07/2009		180		45		14
NEWCASTLE	20/07/2009		90		31		93
NEWCASTLE	24/07/2009		340		120		37
NEWCASTLE	28/07/2009		1800		350		90
NEWCASTLE	05/08/2009		1170		210		40
NEWCASTLE	13/08/2009	<	10		1		16
NEWCASTLE	21/08/2009		470		180		540
NEWCASTLE	24/08/2009		2600		468		102
NEWCASTLE	27/08/2009		3500		1300		220
NEWCASTLE	01/09/2009		480		190		31
NEWCASTLE	04/09/2009		100		17		5
NEWCASTLE	09/09/2009		120		20		6

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location	date		total coliforms cfu/100ml		faecal coliforms cfu/100ml		faecal streptococci cfu/100ml
NEWCASTLE	01/06/2010		1400		310		14
NEWCASTLE	07/06/2010		10		11		110
NEWCASTLE	15/06/2010	<	10		1		1
NEWCASTLE	24/06/2010		20		41	<	1
NEWCASTLE	28/06/2010		100		37		6
NEWCASTLE	01/07/2010		75000	>	10000		4200
NEWCASTLE	07/07/2010		70		74		3
NEWCASTLE	14/07/2010	>	100000	>	10000		4400
NEWCASTLE	19/07/2010		5300		990		450
NEWCASTLE	23/07/2010		2100		830		150
NEWCASTLE	27/07/2010		20		9		7
NEWCASTLE	04/08/2010	<	10	<	1		7
NEWCASTLE	12/08/2010		20		5		490
NEWCASTLE	20/08/2010		6200		1600		250
NEWCASTLE	23/08/2010		110		49		200
NEWCASTLE	26/08/2010	<	10		11		27
NEWCASTLE	31/08/2010		50		2		930
NEWCASTLE	03/09/2010	<	10	<	1	<	1
NEWCASTLE	08/09/2010		550		300		190
NEWCASTLE	10/09/2010		590		120		62

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location	date		total coliforms cfu/100ml		faecal coliforms cfu/100ml		faecal streptococci cfu/100ml
NEWCASTLE	03/06/2011	<	10		1	<	1
NEWCASTLE	07/06/2011		210		64		4
NEWCASTLE	13/06/2011		590		410		1700
NEWCASTLE	16/06/2011		10		9		1
NEWCASTLE	22/06/2011		450		171		29
NEWCASTLE	30/06/2011		30		8	<	1
NEWCASTLE	05/07/2011		38000		6570		950
NEWCASTLE	15/07/2011		2400		290		14
NEWCASTLE	20/07/2011		10	<	1	<	1
NEWCASTLE	25/07/2011	<	10		1		2
NEWCASTLE	28/07/2011		10		2		1
NEWCASTLE	02/08/2011		410		97		20
NEWCASTLE	08/08/2011		10		2	<	1
NEWCASTLE	10/08/2011		260		84		54
NEWCASTLE	16/08/2011		710		460		14
NEWCASTLE	18/08/2011		10		1	<	1
NEWCASTLE	22/08/2011		90		29		3
NEWCASTLE	26/08/2011		840		45		68
NEWCASTLE	31/08/2011		190		130		100
NEWCASTLE	06/09/2011		1300		1100		140

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INTERPRETATION OF RESULTS

Interpretation of results is in accordance with:
Statutory Rules of Northern Ireland
1993 No. 205
European Communities Public Health
The Quality of Bathing Water Regulations (Northern Ireland) 1993

Excellent Water Quality

This is the most stringent
i.e. the **Guideline** microbiological water quality standard of the
Bathing Water Directive 76/160/EEC.
Total coliforms no greater than 500 per 100ml of water AND
Faecal coliforms no more than 100 per 100ml of water AND
Faecal streptococci no more than 100 per 100 ml of water

Annually 80% (16 out of 20 sampling occasions) must meet the coliform
standards AND
Annually 90% (18 out of 20 sampling occasions) must meet the faecal
streptococci standards

Good Water Quality

Means the sample meets the
Minimum Mandatory microbiological water quality standard of the Bathing
Water Directive 76/160/EEC.

Total coliforms no greater than 10,000 per 100ml of water AND
Faecal coliforms no greater than 2,000 per 100ml
Annually 95% (19 out of 20 sampling occasions) must meet these standards

Poor Water Quality

Means the sample **failed** the standard required for good water quality
i.e. it failed to meet Mandatory standard of Bathing Water Directive
76/160/EEC