

OPTIONAL ANNUAL REPORT TEMPLATE

Drinking-Water System Number:	260005320
Drinking-Water System Name:	Wildwood Conservation Area
Drinking-Water System Owner:	Upper Thames River Conservation Authority
Drinking-Water System Category:	Non Municipal Year Round Residential
Period being reported:	January 1, 2007 – December 31, 2007

<p><u>Complete if your Category is Large Municipal Residential or Small Municipal Residential</u></p> <p>Does your Drinking-Water System serve more than 10,000 people? Yes [] No []</p> <p>Is your annual report available to the public at no charge on a web site on the Internet? Yes [] No []</p> <p>Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.</p> <div style="border: 1px solid black; height: 100px; width: 100%;"></div>	<p><u>Complete for all other Categories.</u></p> <p>Number of Designated Facilities served:</p> <div style="border: 1px solid black; padding: 2px; width: 100px;">None</div> <p>Did you provide a copy of your annual report to all Designated Facilities you serve? Yes [] No [] not applicable [x]</p> <p>Number of Interested Authorities you report to:</p> <div style="border: 1px solid black; padding: 2px; width: 100px;">None</div> <p>Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility? Yes [] No [] not applicable [x]</p>
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Note: For the following tables below, additional rows or columns may be added or an appendix may be attached to the report

List all Drinking-Water Systems (if any), which receive all of their drinking water from your system:

Drinking Water System Name	Drinking Water System Number
None	n/a

Did you provide a copy of your annual report to all Drinking-Water System owners that are connected to you and to whom you provide all of its drinking water?

Yes [] No [] not applicable [x]

Indicate how you notified system users that your annual report is available, and is free of charge.

Public access/notice via the web

Public access/notice via Government Office

Public access/notice via a newspaper

Public access/notice via Public Request

Public access/notice via a Public Library

Public access/notice via other method _____

Describe your Drinking-Water System

Water for the drinking water system is supplied by three drilled wells. Well W1 is located near the maintenance drive shed. Well W2 directs water to the centre room at washroom #1 within the A section of the campground. Well W3 is located at the W3 pump house in the B section of the campground. A submersible pump within each well supplies raw water. For each well, the raw water is then injected with sodium hypochlorite and directed to the contact chambers downstream to ensure adequate chlorine contact is achieved and to provide a free chlorine residual within the distribution system (for secondary disinfection).

All critical functions of the disinfection treatment system are monitored for faults. Each pump house is equipped with an on-line chlorine analyzer to monitor the free chlorine residual leaving the pump house. Alarming is also present, as is automatic shutoff of the pump in the event of primary disinfection failure.

List all water treatment chemicals used over this reporting period

Sodium Hypochlorite

Were any significant expenses incurred to?

Install required equipment

Repair required equipment

Replace required equipment

None

Please provide a brief description and a breakdown of monetary expenses incurred

Regular operating and maintenance costs.

Provide details on the notices submitted in accordance with subsection 18(1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre

Well 2

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
Sept 14, 07	Fluoride	1.7	mg/l	-notified of adverse situation – followed protocol to report. As per direction of the MOH the system was re-sampled. Resample results indicated that fluoride levels were still in exceedence. The Perth District Health Unit required no further corrective action to be taken.	Sept 21 ,07

Well 3

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date
Sept 14, 07	Fluoride	1.6	mg/l	-notified of adverse situation – followed protocol to report. As per direction of the MOH the system was re-sampled. Resample results indicated that fluoride levels were still in exceedence. The Perth District Health Unit required no further corrective action to be taken.	Sept 21, 07

Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period.

Well 1

	Number of Samples	Range of E.Coli Or Fecal Results (min #)-(max #)	Range of Total Coliform Results (min #)-(max #)	Number of HPC Samples	Range of HPC Results (min #)-(max #)
Raw	28	0	0	not required	0
Treated	28	0	0	not required	0
Distribution	72	0	0	72	<10 - 20

Well 2

	Number of Samples	Range of E.Coli Or Fecal Results (min #)-(max #)	Range of Total Coliform Results (min #)-(max #)	Number of HPC Samples	Range of HPC Results (min #)-(max #)
Raw	17	0	0	not required	not required
Treated	17	0	0	not required	not required
Distribution	51	0	0	51	<10 - 10

Well 3

	Number of Samples	Range of E.Coli Or Fecal Results (min #)-(max #)	Range of Total Coliform Results (min #)-(max #)	Number of HPC Samples	Range of HPC Results (min #)-(max #)
Raw	17	0	0	not required	not required
Treated	17	0	0	not required	not required
Distribution	51	0	0	51	<10 - 50

Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report.

Well 1

	Number of Grab Samples	Range of Results (min #)-(max #)
Turbidity	363	0.2 – 0.99
Chlorine	789	0.35 – 3.61
Fluoride (If the DWS provides fluoridation)	not required	0

***NOTE:** For continuous monitors use 8760 as the number of samples.*

Well 2

	Number of Grab Samples	Range of Results (min #)-(max #)
Turbidity	194	0.14 – 0.98
Chlorine	417	0.27 – 3.90
Fluoride (If the DWS provides fluoridation)	not required	0

***NOTE:** For continuous monitors use 8760 as the number of samples.*

Well 3

	Number of Grab Samples	Range of Results (min #)-(max #)
Turbidity	193	0.13 - 0.97
Chlorine	416	0.70 – 3.63
Fluoride (If the DWS provides fluoridation)	not required	0

***NOTE:** For continuous monitors use 8760 as the number of samples.*

NOTE: Record the unit of measure if it is **not** milligrams per litre.

Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order or other legal instrument. *None required*

Date of legal instrument issued	Parameter	Date Sampled	Result	Unit of Measure

Summary of Inorganic parameters tested during this reporting period or the most recent sample results

Well 1

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	May 28 -04	<0.002	mg/L	No
Arsenic	May 28 -04	<0.006	mg/L	No
Barium	May 28 -04	0.16	mg/L	No
Boron	May 28 -04	0.03	mg/L	No
Cadmium	May 28 -04	<0.002	mg/L	No
Chromium	May 28 -04	<0.01	mg/L	No
Lead	Sept 07-07	not detected	ug/l	No
Mercury	May 28 -04	<0.0001	ug/L	No
Selenium	May 28 -04	<0.002	mg/L	No
Sodium	Aug 24 -05	33000	ug/L	Yes
Uranium	May 28 -04	<0.0001	mg/L	No
Fluoride	Sept 07-07	1.0	mg/l	No
Nitrite	Feb 26-07 June 04-07 Sept 07-07 Dec 03-07	not detected not detected not detected not detected	mg/l	No
Nitrate	Feb 26-07 June 04-07 Sept 07-07 Dec 03-07	not detected not detected not detected not detected	mg/l	No

Well 2

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	May 28 -04	<0.002	mg/L	No
Arsenic	May 28 -04	<0.002	mg/L	No
Barium	May 28 -04	0.18	mg/L	No
Boron	May 28 -04	0.08	mg/L	No
Cadmium	May 28 -04	<0.002	mg/L	No
Chromium	May 28 -04	<0.01	mg/L	No
Lead	Sept 07-07	4.7	ug/l	No
Mercury	May 28 -04	<0.0001	ug/L	No
Selenium	May 28 -04	<0.002	mg/L	No
Sodium	Aug 24 -05	31000	ug/L	Yes
Uranium	May 28 -04	<0.0001	mg/L	No
Fluoride	Sept 07-07	1.7	mg/l	Yes
Nitrite	June 04-07 Sept 07-07	not detected not detected	mg/L	No
Nitrate	June 04-07 Sept 07-07	not detected not detected	mg/L	No

Well 3

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	May 28 -04	<0.002	mg/L	No
Arsenic	May 28 -04	<0.002	mg/L	No
Barium	May 28 -04	<0.25	mg/L	No
Boron	May 28 -04	0.08	mg/L	No
Cadmium	May 28 -04	<0.002	mg/L	No
Chromium	May 28 -04	<0.01	mg/L	No
Lead	June 04-07 Sept 07-07	0.6 not detected	ug/l	No
Mercury	May 28 -04	<0.0001	ug/L	No
Selenium	May 28 -04	<0.002	mg/L	No
Sodium	Aug 24 -05	32000	ug/L	Yes
Uranium	May 28 -04	<0.0001	mg/L	No
Fluoride	Sept 07-07	1.6	mg/l	Yes
Nitrite	June 04-07 Sept 07-07	not detected not detected	mg/L	No
Nitrate	June 04-07 Sept 07-07	not detected not detected	mg/L	No

Summary of Organic parameters sampled during this reporting period or the most recent sample results
Well 1

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	May 28 -04	<0.0005	ug/L	No
Aldicarb	May 28 -04	<0.0005	ug/L	No
Aldrin + Dieldrin	May 28 -04	not detected	ug/L	No
Atrazine + N-dealkylated metabolites	May 28 -04	not detected	ug/L	No
Azinphos-methyl	May 28 -04	<0.0005	ug/L	No
Bendiocarb	May 28 -04	<0.001	ug/L	No
Benzene	May 28 -04	<0.0002	ug/L	No

Drinking-Water Systems Regulation O. Reg. 170/03

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Benzo(a)pyrene	May 28 -04	<0.00001	ug/L	No
Bromoxynil	May 28 -04	<0.0005	ug/L	No
Carbaryl	May 28 -04	<0.001	ug/L	No
Carbofuran	May 28 -04	<0.001	ug/L	No
Carbon Tetrachloride	May 28 -04	<0.0002	ug/L	No
Chlordane (Total)	May 28 -04	not detected	ug/L	No
Chlorpyrifos	May 28 -04	<0.0005	ug/L	No
Cyanazine	May 28 -04	<0.0005	ug/L	No
Diazinon	May 28 -04	<0.0005	ug/L	No
Dicamba	May 28 -04	<0.0002	ug/L	No
1,2-Dichlorobenzene	May 28 -04	<0.0002	ug/L	No
1,4-Dichlorobenzene	May 28 -04	<0.0002	ug/L	No
Dichlorodiphenyltrichloroethane (DDT) + metabolites	May 28 -04	not detected	ug/L	No
1,2-Dichloroethane	May 28 -04	<0.0002	ug/L	No
1,1-Dichloroethylene (vinylidene chloride)	May 28 -04	<0.0002	ug/L	No
Dichloromethane	May 28 -04	<0.001	ug/L	No
2-4 Dichlorophenol	May 28 -04	<0.0003	ug/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	May 28 -04	<0.0002	ug/L	No
Diclofop-methyl	May 28 -04	<0.0002	ug/L	No
Dimethoate	May 28 -04	<0.0005	ug/L	No
Dinoseb	May 28 -04	<0.00005	ug/L	No
Diquat	May 28 -04	<0.005	ug/L	No
Diuron	May 28 -04	<0.005	ug/L	No
Glyphosate	May 28 -04	<0.01	ug/L	No
Heptachlor + Heptachlor Epoxide	May 28 -04	not detected	ug/L	No
Lindane (Total)	May 28 -04	<0.000002	ug/L	No
Malathion	May 28 -04	<0.0005	ug/L	No
Methoxychlor	May 28 -04	<0.00001	ug/L	No
Metolachlor	May 28 -04	<0.0005	ug/L	No
Metribuzin	May 28 -04	<0.0005	ug/L	No
Monochlorobenzene	May 28 -04	<0.0002	ug/L	No
Paraquat	May 28 -04	<0.005	ug/L	No
Parathion	May 28 -04	<0.0005	ug/L	No
Pentachlorophenol	May 28 -04	<0.002	ug/L	No
Phorate	May 28 -04	<0.0005	ug/L	No
Picloram	May 28 -04	<0.00005	ug/L	No
Polychlorinated Biphenyls(PCB)	May 28 -04	<0.00005	ug/L	No
Prometryne	May 28 -04	<0.00025	ug/L	No
Simazine	May 28 -04	0.0005	ug/L	No
THM (NOTE: show latest annual average)	Feb 26-07 June 04-07 Sept 07-07 Dec 03-07	12.3	ug/L	No
Temephos	May 28 -04	<0.0005	ug/L	No
Terbufos	May 28 -04	<0.0005	ug/L	No
Tetrachloroethylene	May 28 -04	<0.0002	ug/L	No
2,3,4,6-Tetrachlorophenol	May 28 -04	<0.0005	ug/L	No
Triallate	May 28 -04	<0.0005	ug/L	No
Trichloroethylene	May 28 -04	<0.0002	ug/L	No

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
2,4,6-Trichlorophenol	May 28 -04	<0.0005	ug/L	No
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)	May 28 -04	<0.00005	ug/L	No
Trifluralin	May 28 -04	<0.0005	ug/L	No
Vinyl Chloride	May 28 -04	<0.0002	ug/L	No

Well 2

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	May 28-04	<0.0005	ug/L	No
Aldicarb	May 28-04	<0.0005	ug/L	No
Aldrin + Dieldrin	May 28-04	not detected	ug/L	No
Atrazine + N-dealkylated metabolites	May 28 -04	not detected	ug/L	No
Azinphos-methyl	May 28-04	<0.0005	ug/L	No
Bendiocarb	May 28 -04	<0.001	ug/L	No
Benzene	May 28 -04	<0.0002	ug/L	No
Benzo(a)pyrene	May 28 -04	<0.00001	ug/L	No
Bromoxynil	May 28-04	<0.0005	ug/L	No
Carbaryl	May 28 -04	<0.001	ug/L	No
Carbofuran	May 28 -04	<0.001	ug/L	No
Carbon Tetrachloride	May 28 -04	<0.0002	ug/L	No
Chlordane (Total)	May 28 -04	not detected	ug/L	No
Chlorpyrifos	May 28 -04	<0.0005	ug/L	No
Cyanazine	May 28-04	<0.0005	ug/L	No
Diazinon	May 28 -04	<0.0005	ug/L	No
Dicamba	May 28 -04	<0.0002	ug/L	No
1,2-Dichlorobenzene	May 28 -04	<0.0002	ug/L	No
1,4-Dichlorobenzene	May 28 -04	<0.0002	ug/L	No
Dichlorodiphenyltrichloroethane (DDT) + metabolites	May 28 -04	not detected	ug/L	No
1,2-Dichloroethane	May 28 -04	<0.0002	ug/L	No
1,1-Dichloroethylene (vinylidene chloride)	May 28 -04	<0.0002	ug/L	No
Dichloromethane	May 28 -04	<0.001	ug/L	No
2-4 Dichlorophenol	May 28 -04	<0.0003	ug/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	May 28 -04	<0.0002	ug/L	No
Diclofop-methyl	May 28 -04	<0.0002	ug/L	No
Dimethoate	May 28 -04	<0.0005	ug/L	No
Dinoseb	May 28 -04	<0.00005	ug/L	No
Diquat	May 28 -04	<0.005	ug/L	No
Diuron	May 28 -04	<0.005	ug/L	No
Glyphosate	May 28 -04	<0.01	ug/L	No
Heptachlor + Heptachlor Epoxide	May 28 -04	not detected	ug/L	No
Lindane (Total)	May 28 -04	<0.000002	ug/L	No
Malathion	May 28 -04	<0.0005	ug/L	No
Methoxychlor	May 28 -04	<0.00001	ug/L	No
Metolachlor	May 28 -04	<0.0005	ug/L	No
Metribuzin	May 28 -04	<0.0005	ug/L	No
Monochlorobenzene	May 28 -04	<0.0002	ug/L	No
Paraquat	May 28 -04	<0.005	ug/L	No
Parathion	May 28 -04	<0.0005	ug/L	No

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Pentachlorophenol	May 28 -04	<0.002	ug/L	No
Phorate	May 28 -04	<0.0005	ug/L	No
Picloram	May 28 -04	<0.00005	ug/L	No
Polychlorinated Biphenyls(PCB)	May 28 -04	<0.00005	ug/L	No
Prometryne	May 28 -04	<0.00025	ug/L	No
Simazine	May 28 -04	<0.0005	ug/L	No
THM (NOTE: show latest annual average)	June 04-07 Sept 07-07	17.3	ug/L	No
Temephos	May 28 -04	<0.0005	ug/L	No
Terbufos	May 28 -04	<0.0005	ug/L	No
Tetrachloroethylene	May 28 -04	<0.0002	ug/L	No
2,3,4,6-Tetrachlorophenol	May 28 -04	<0.0005	ug/L	No
Triallate	May 28 -04	<0.0005	ug/L	No
Trichloroethylene	May 28 -04	<0.0002	ug/L	No
2,4,6-Trichlorophenol	May 28 -04	<0.0005	ug/L	No
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)	May 28 -04	<0.0005	ug/L	No
Trifluralin	May 28 -04	<0.0005	ug/L	No
Vinyl Chloride	May 28 -04	<0.0002	ug/L	No

Well 3

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	May 28 -04	<0.0005	ug/L	No
Aldicarb	May 28 -04	<0.0005	ug/L	No
Aldrin + Dieldrin	May 28 -04	not detected	ug/L	No
Atrazine + N-dealkylated metabolites	May 28 -04	not detected	ug/L	No
Azinphos-methyl	May 28 -04	<0.0005	ug/L	No
Bendiocarb	May 28 -04	<0.001	ug/L	No
Benzene	May 28 -04	<0.0002	ug/L	No
Benzo(a)pyrene	May 28 -04	<0.00001	ug/L	No
Bromoxynil	May 28 -04	<0.00005	ug/L	No
Carbaryl	May 28 -04	<0.001	ug/L	No
Carbofuran	May 28 -04	<0.001	ug/L	No
Carbon Tetrachloride	May 28 -04	<0.0002	ug/L	No
Chlordane (Total)	May 28 -04	not detected	ug/L	No
Chlorpyrifos	May 28 -04	<0.0005	ug/L	No
Cyanazine	May 28 -04	<0.0005	ug/L	No
Diazinon	May 28 -04	<0.0005	ug/L	No
Dicamba	May 28 -04	<0.0002	ug/L	No
1,2-Dichlorobenzene	May 28 -04	<0.0002	ug/L	No
1,4-Dichlorobenzene	May 28 -04	<0.0002	ug/L	No
Dichlorodiphenyltrichloroethane (DDT) + metabolites	May 28 -04	not detected	ug/L	No
1,2-Dichloroethane	May 28 -04	<0.0002	ug/L	No
1,1-Dichloroethylene (vinylidene chloride)	May 28 -04	<0.0002	ug/L	No
Dichloromethane	May 28 -04	<0.001	ug/L	No
2-4 Dichlorophenol	May 28 -04	<0.0003	ug/L	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	May 28 -04	<0.0002	ug/L	No
Diclofop-methyl	May 28 -04	<0.0002	ug/L	No

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Dimethoate	May 28 -04	<0.0005	ug/L	No
Dinoseb	May 28 -04	<0.00005	ug/L	No
Diquat	May 28 -04	<0.005	ug/L	No
Diuron	May 28 -04	<0.005	ug/L	No
Glyphosate	May 28 -04	<0.01	ug/L	No
Heptachlor + Heptachlor Epoxide	May 28 -04	not detected	ug/L	No
Lindane (Total)	May 28 -04	<0.000002	ug/L	No
Malathion	May 28 -04	<0.0005	ug/L	No
Methoxychlor	May 28 -04	<0.00001	ug/L	No
Metolachlor	May 28-04	<0.0005	ug/L	No
Metribuzin	May 28 -04	<0.0005	ug/L	No
Monochlorobenzene	May 28 -04	<0.0002	ug/L	No
Paraquat	May 28 -04	<0.005	ug/L	No
Parathion	May 28 -04	<0.0005	ug/L	No
Pentachlorophenol	May 28 -04	<0.0002	ug/L	No
Phorate	May 28 -04	<0.0005	ug/L	No
Picloram	May 28 -04	<0.00005	ug/L	No
Polychlorinated Biphenyls(PCB)	May 28 -04	<0.00005	ug/L	No
Prometryne	May 28 -04	<0.00025	ug/L	No
Simazine	May 28 -04	<0.0005	ug/L	No
THM (NOTE: show latest annual average)	June 04-07 Sept 07-07	16.4	ug/L	No
Temephos	May 28 -04	<0.0005	ug/L	No
Terbufos	May 28 -04	<0.0005	ug/L	No
Tetrachloroethylene	May 28 -04	<0.0002	ug/L	No
2,3,4,6-Tetrachlorophenol	May 28 -04	<0.0005	ug/L	No
Triallate	May 28 -04	<0.0005	ug/L	No
Trichloroethylene	May 28 -04	<0.0002	ug/L	No
2,4,6-Trichlorophenol	May 28 -04	<0.0005	ug/L	No
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)	May 28 -04	<0.00005	ug/L	No
Trifluralin	May 28 -04	<0.0005	ug/L	No
Vinyl Chloride	May 28 -04	<0.0005	ug/L	No

List any Inorganic or Organic parameter(s) that exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards.

Well 1

Parameter	Result Value	Unit of Measure	Date of Sample
Fluoride	1.0	mg/l	Sept 7-07

Well 3

Parameter	Result Value	Unit of Measure	Date of Sample
Lead	0.6	ug/l	Jun 4-07