

RIVERHEAD WATER DISTRICT
2006 WATER QUALITY DATA

PARAMETERS (mg/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 1 S-1322 ⁽¹⁾		WELL NO. 2 S-7261 ⁽¹⁾		WELL NO. 3 S-15117 ⁽¹⁾		WELL NO. 4-1 S-30271 ⁽¹⁾		WELL NO. 4-2 S-34732 ⁽¹⁾	
			MAX. RESULT	AVG. RESULT	MAX. RESULT	AVG. RESULT	MAX. RESULT	AVG. RESULT	MAX. RESULT	AVG. RESULT	MAX. RESULT	AVG. RESULT
INORGANIC												
ARSENIC	10.0 ug/l	3.0 ug/l	5.6 ⁽⁴⁾	5.0	4.9 ⁽²⁾	4.6	4.0 ⁽²⁾	3.7	ND	ND	ND	ND
BARIUM	2.0 mg/l	0.2 mg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CADMIUM	5.0 ug/l	5.0 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHROMIUM	0.10 mg/l	0.01 mg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FLUORIDE	2.2 mg/l	0.1 mg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
LEAD	[15.0] ug/l	1.0 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MERCURY	2.0 ug/l	0.2 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SELENIUM	10.0 mg/l	5.0 mg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SODIUM	**20/270 mg/l	0.2 mg/l	4.8	4.8	4.7	4.7	4.6	4.6	5.2	5.2	5.5	5.5
SPECIFIC CONDUCTIVITY	None	None	82.0	82.0	85.1	85.1	80.0	80.0	76.0	76.0	90.4	90.4
ZINC	5.0 mg/l	0.02 mg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
COLOR	15 Units	5 Units	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ODOR	3 Units	0 Units	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
IRON	0.3 mg/l	0.02 mg/l	0.2	0.2	***0.8	***0.8	0.2	0.2	0.1	0.1	***0.5	***0.5
MANGANESE	0.3 mg/l	0.01 mg/l	ND	ND	0.04	0.04	ND	ND	0.01	0.01	0.03	0.03
AMMONIA	None	0.1 mg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NITRITE	1.0 mg/l	0.1 mg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NITRATE	10.0 mg/l	0.1 mg/l	ND	ND	ND	ND	1.4	1.4	ND	ND	ND	ND
CHLORIDE	250 mg/l	2.0 mg/l	5.3	5.3	5.6	5.6	4.9	4.9	5.3	5.3	6.8	6.8
pH (BEFORE TREATMENT)	None	None	6.6	6.6	6.4	6.4	6.6	6.6	6.6	6.6	7.2	7.2
SULFATE	250 mg/l	5.0 mg/l	ND	ND	5.7	5.7	ND	ND	ND	ND	10.6	10.6
ANTIMONY	6.0 ug/l	5.9 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BERYLLIUM	4.0 ug/l	0.3 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NICKEL	0.1 mg/l	0.04 mg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CYANIDE	0.2 mg/l	0.010 mg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PERCHLORATE	18.0 ug/l	1.0 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

CONT. - CONTAMINANT

ND - NOT DETECTED

** - 20 mg/l IS THE LIMIT FOR PEOPLE ON HIGHLY RESTRICTED SODIUM DIETS AND 270 mg/l FOR THOSE ON MODERATELY RESTRICTED SODIUM DIETS

[] - USEPA/NYS DH ACTION LEVEL

*** - EXCEEDS NEW YORK STATE MAXIMUM CONTAMINANT LEVEL FOR POTABLE WATER BEFORE TREATMENT.

THE STANDARD FOR IRON IS A SECONDARY STANDARD FOR AESTHETICS ONLY. IRON POSES NO HEALTH RISKS.

() - NUMBER OF SAMPLES COLLECTED AND TESTING DURING YEAR

**RIVERHEAD WATER DISTRICT
2006 WATER QUALITY DATA**

PARAMETERS (mg/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 5-1 S-66685 ⁽¹⁾		WELL NO. 5-2 S-88466 ⁽¹⁾		WELL NO. 7-2 S-89133 ⁽¹⁾		WELL NO. 7-3 S-105439 ⁽¹⁾		WELL NO. 11-1 ⁽¹⁾	
			MAX. RESULT	AVG. RESULT	MAX. RESULT	AVG. RESULT	MAX. RESULT	AVG. RESULT	MAX. RESULT	AVG. RESULT	MAX. RESULT	AVG. RESULT
INORGANIC												
ARSENIC	10.0 ug/l	3.0 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BARIUM	2.0 mg/l	0.2 mg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CADMIUM	5.0 ug/l	5.0 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHROMIUM	0.10 mg/l	0.01 mg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FLUORIDE	2.2 mg/l	0.1 mg/l	ND	ND	ND	ND	ND	ND	0.2	0.2	ND	ND
LEAD	[15.0] ug/l	1.0 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MERCURY	2.0 ug/l	0.2 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SELENIUM	10.0 mg/l	5.0 mg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SODIUM	**20/270 mg/l	0.2 mg/l	16.4	16.4	12.0	12.0	5.0	5.0	5.2	5.2	3.7	3.7
SPECIFIC CONDUCTIVITY	None	None	217.0	217.0	180.0	180.0	53.0	53.0	82.0	82.0	140.0	140.0
ZINC	5.0 mg/l	0.02 mg/l	0.02	0.02	ND	ND	ND	ND	ND	ND	ND	ND
COLOR	15 Units	5 Units	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ODOR	3 Units	0 Units	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
IRON	0.3 mg/l	0.02 mg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MANGANESE	0.3 mg/l	0.01 mg/l	0.2	0.2	ND	ND	ND	ND	ND	ND	ND	ND
AMMONIA	None	0.1 mg/l	0.2	0.2	ND	ND	ND	ND	ND	ND	ND	ND
NITRITE	1.0 mg/l	0.1 mg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NITRATE	10.0 mg/l	0.1 mg/l	4.0	4.0	2.2	2.2	0.2	0.2	0.1	0.1	0.3	0.3
CHLORIDE	250 mg/l	2.0 mg/l	25.6	25.6	19.2	19.2	6.2	6.2	5.2	5.2	6.3	6.3
pH (BEFORE TREATMENT)	None	None	6.1	6.1	6.2	6.2	6.2	6.2	6.1	6.1	7.4	7.4
SULFATE	250 mg/l	5.0 mg/l	27.8	27.8	23.8	23.8	ND	ND	ND	ND	14.4	14.4
ANTIMONY	6.0 ug/l	5.9 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BERYLLIUM	4.0 ug/l	0.3 ug/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NICKEL	0.1 mg/l	0.04 mg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CYANIDE	0.2 mg/l	0.010 mg/l	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PERCHLORATE	18.0 ug/l	1.0 ug/l	1.0	1.0	2.3 ⁽⁴⁾	2.1	ND	ND	ND	ND	ND	ND

CONT. - CONTAMINANT

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PARAMETERS (mg/l)	MAX. CONT. LEVEL	DETECT. LIMITS	WELL NO. 11-2 ⁽¹⁾		WELL NO. 12-1 ⁽¹⁾		WELL NO. 12-2 ⁽³⁾	
			MAX. RESULT (Raw/Treated)	AVG. RESULT (Raw/Treated)	MAX. RESULT	AVG. RESULT	MAX. RESULT (Raw/Treated)	AVG. RESULT (Raw/Treated)
INORGANIC								
ARSENIC	10.0 ug/l	3.0 ug/l	ND	ND	ND	ND	ND	ND
BARIUM	2.0 mg/l	0.2 mg/l	ND	ND	ND	ND	ND	ND
CADMIUM	5.0 ug/l	5.0 ug/l	ND	ND	ND	ND	ND	ND
CHROMIUM	0.10 mg/l	0.01 mg/l	ND	ND	ND	ND	ND	ND
FLUORIDE	2.2 mg/l	0.1 mg/l	ND	ND	ND	ND	ND	ND
LEAD	[15.0] ug/l	1.0 ug/l	ND	ND	ND	ND	ND	ND
MERCURY	2.0 ug/l	0.2 ug/l	ND	ND	ND	ND	ND	ND
SELENIUM	10.0 mg/l	5.0 mg/l	ND	ND	ND	ND	ND	ND
SODIUM	**20/270 mg/l	0.2 mg/l	7.7	7.5	5.2	5.2	5.1	5.1
SPECIFIC CONDUCTIVITY	None	None	150.0	145.0	165.0	165.0	185.0	185.0
ZINC	5.0 mg/l	0.02 mg/l	ND	ND	ND	ND	ND	ND
COLOR	15 Units	5 Units	ND	ND	ND	ND	ND	ND
ODOR	3 Units	0 Units	ND	ND	ND	ND	ND	ND
IRON	0.3 mg/l	0.02 mg/l	0.02	0.02	ND	ND	ND	ND
MANGANESE	0.3 mg/l	0.01 mg/l	ND	ND	0.01	0.01	ND	ND
AMMONIA	None	0.1 mg/l	0.3	0.3	ND	ND	ND	ND
NITRITE	1.0 mg/l	0.1 mg/l	ND	ND	ND	ND	ND	ND
NITRATE	10.0 mg/l	0.1 mg/l	ND	ND	0.8	0.8	1.4	1.4
CHLORIDE	250 mg/l	2.0 mg/l	5.5	5.4	6.0	6.0	5.0	5.0
pH (BEFORE TREATMENT)	None	None	7.9	7.9	6.6	6.6	6.7	6.7
SULFATE	250 mg/l	5.0 mg/l	ND	ND	14.1	14.1	11.4	11.4
ANTIMONY	6.0 ug/l	5.9 ug/l	ND	ND	ND	ND	ND	ND
BERYLLIUM	4.0 ug/l	0.3 ug/l	ND	ND	ND	ND	ND	ND
NICKEL	0.1 mg/l	0.04 mg/l	ND	ND	ND	ND	ND	ND
CYANIDE	0.2 mg/l	0.010 mg/l	ND	ND	ND	ND	ND	ND
PERCHLORATE	18.0 ug/l	1.0 ug/l	ND	ND	ND	ND	ND	ND

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