

Indian River Farms Water Control
Sampling

Data from April 2017 sampling event

Samples collected at water control structure
at 43rd Street

Nitrogen, Ammonia	0.0279		mg/L
Nitrogen, Kjeldahl, Total	0.82		mg/L
Nitrogen, NO2 plus NO3	0.0547		mg/L

Phosphorus, Total (as P)	0.04	U	mg/L
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Total Suspended Solids	3.75		mg/L
BOD, 5 day	2	U	mg/L
Total Nitrogen	0.875		mg/L

Greenfield

7/21/2017 RESULTS

Parameter	Untreated Canal Water		Treated Water		Units
Turbidity	2.0		4.0		NTU
Barium	34.5		33.1		ug/L
Ca Hardness as CaCO3	199000		204000		ug/L
Calcium	79600		81600		ug/L
Iron	355		20.0 U		ug/L
Magnesium	27600		23400		ug/L
Potassium	5810		5700		ug/L
Silicon	4440		2160		ug/L
Sodium	152000		156000		ug/L
Strontium	4810		4520		ug/L
Chloride	295		287		mg/L
Fluoride	0.40		0.38		mg/L
Sulfate	64.0		77.2		mg/L
Nitrogen, Ammonia	0.031	I	0.042	I	mg/L
Nitrogen, Kjeldahl, Total	0.58		1.7		mg/L
Nitrogen, NO2 plus NO3	0.098		0.072		mg/L
Nitrogen, Nitrate	0.098		0.072		mg/L
Nitrogen, Nitrite	0.025	U	0.025	U	mg/L
Phosphorus, Total (as P)	0.073	I	0.05	U	mg/L
Alkalinity, Bicarbonate (CaCO3)	147		143		mg/L
Carbon Dioxide, Free	5.4		2.0		mg/L
Total Dissolved Solids	842		834		mg/L
Total Suspended Solids	1.6		6.6		mg/L
BOD, 5 day	4	U	4	U	mg/L
Total Nitrogen	0.68		1.8		mg/L
Field pH	7.29		7.85		S.U.
Field Temperature	28.1		30.6		°C
Field Specific Conductance	1404		1402		umhos/cm
Field Dissolved Oxygen	4.94		6.81		mg/L

Greenfield

7/25/2017 RESULTS

Parameter	Untreated Canal Water		Treated Water		Units
Turbidity	2.7		2.2		NTU
Barium	32.3		30.0		ug/L
Ca Hardness as CaCO3	188000		179000		ug/L
Calcium	75200		71600		ug/L
Iron	693		20.0 U		ug/L
Magnesium	24000		19900		ug/L
Potassium	6080		5690		ug/L
Silicon	4750		1260		ug/L
Sodium	121000		139000		ug/L
Strontium	3910		3970		ug/L
Chloride	235		242		mg/L
Fluoride	0.37		0.32		mg/L
Sulfate	56.5		78.8		mg/L
Nitrogen, Ammonia	0.02	U	0.024	I	mg/L
Nitrogen, Kjeldahl, Total	0.89		1.7		mg/L
Nitrogen, NO2 plus NO3	0.13		0.066		mg/L
Nitrogen, Nitrate	0.13		0.066		mg/L
Nitrogen, Nitrite	0.025	U	0.025	U	mg/L
Phosphorus, Total (as P)	0.11		0.05	U	mg/L
Alkalinity, Bicarbonate (CaCO3)	137		121		mg/L
Carbon Dioxide, Free	7.7		1.1		mg/L
Total Dissolved Solids	800		798		mg/L
Total Suspended Solids	2.5		2.5		mg/L
BOD, 5 day	2	U	2	U	mg/L
Total Nitrogen	1		1.8		mg/L
Field pH	7.19		8.25		S.U.
Field Temperature	28.9		34.3		°C
Field Specific Conductance	1212		1245		umhos/cm
Field Dissolved Oxygen	4.87		6.42		mg/L

Public Works Downstream Sampling
Weekly samples - averages reported

Samples collected near bridge at Vero Country Club

Nitrogen, Kjeldahl, Total	0.68	mg/L
Nitrogen, NO2 plus NO3	0.22	mg/L

Phosphorus, Total (as P)	0.12	mg/L
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Total Nitrogen	0.9	mg/L
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Values with a U after the results are reported as Not-Detected by the Laboratory down to that level. Per FDEP, 1/2 the detection limit value is used for calculation purposes.

Values with a I after the results indicates the results fall between the laboratory's method detection limit and their lowest standard, per the FDEP, the Method Detection Limit value is used for calculation purposes.

