

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, NO ₂ plus NO ₃	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 CaCO ₃	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, NO ₂ plus NO ₃	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 (CaCO ₃)	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 CaCO ₃	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, NO ₂ plus NO ₃	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 (CaCO ₃)	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

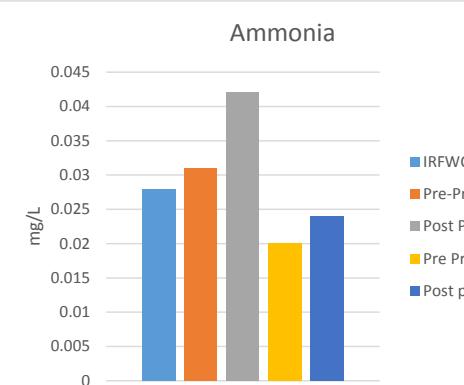
Samples collected near bridge at Vero Country Club

Nitrogen, Kjeldahl, Total	0.68	mg/L
Nitrogen, NO ₂ plus NO ₃	0.22	mg/L

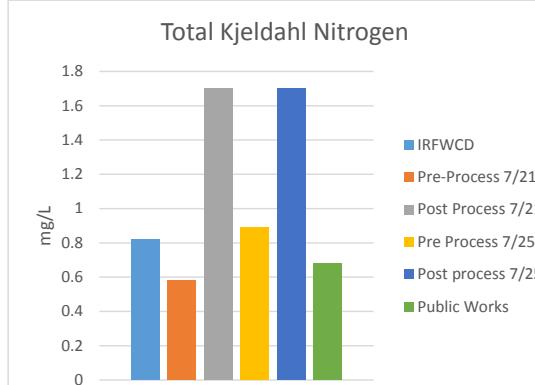
Phosphorus, Total (as P)	0.12	mg/L
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Total Nitrogen	0.9	mg/L
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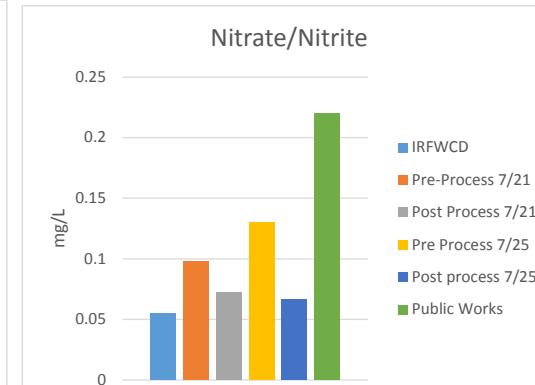
Ammonia



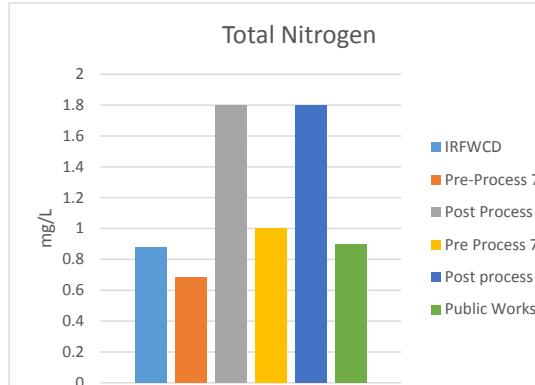
Total Kjeldahl Nitrogen



Nitrate/Nitrite



Total Nitrogen



Total Phosphorus

