

# APPENDIX B



## Stream Water Quality Data And Charts





## List of Stream Segments

Alafia North Prong  
Alafia South Prong  
Blackwater Creek1  
Blackwater Creek2  
Gator Creek  
Horse Creek2  
Itchepackesassa Creek  
Lena Run Creek1  
Lena Run Creek2  
Lulu Run  
Marion Creek  
Peace Creek1  
Peace Creek3  
Peace Creek4  
Peace Creek5  
Peace Creek6  
Peace Creek7  
Peace Creek8  
Peace Creek9  
Peace Creek10  
Peace River1  
Poley Creek North  
Poley Creek South  
Reedy Creek  
Reedy Outfall  
Saddle Creek Park Outfall  
Saddle Creek1  
Teneroc Outfall  
Tiger Creek  
W Bowlegs Creek  
Withlachooshee River

# Annual Stream Water Quality Data

**Sampling Site:** Alafia North Prong

**FDEP WBID:** 1653

**Sampling Site Location:** N Prong @ Nichols Bridge On Hwy 676

**City:** Nichols

**Drainage Basin:** Alafia River

**T-R:** 30 - 23

**Eco Region:** 75b - Southwestern Florida Flatwoods

**River Length in Polk County(Ft):**

**Navigability:** NO / Canoe only

**Misc Information about this watersystem:**

**Drains To:** Tampa Bay

## Current year water quality information

**Year** 2005

**WQI:** 81.85

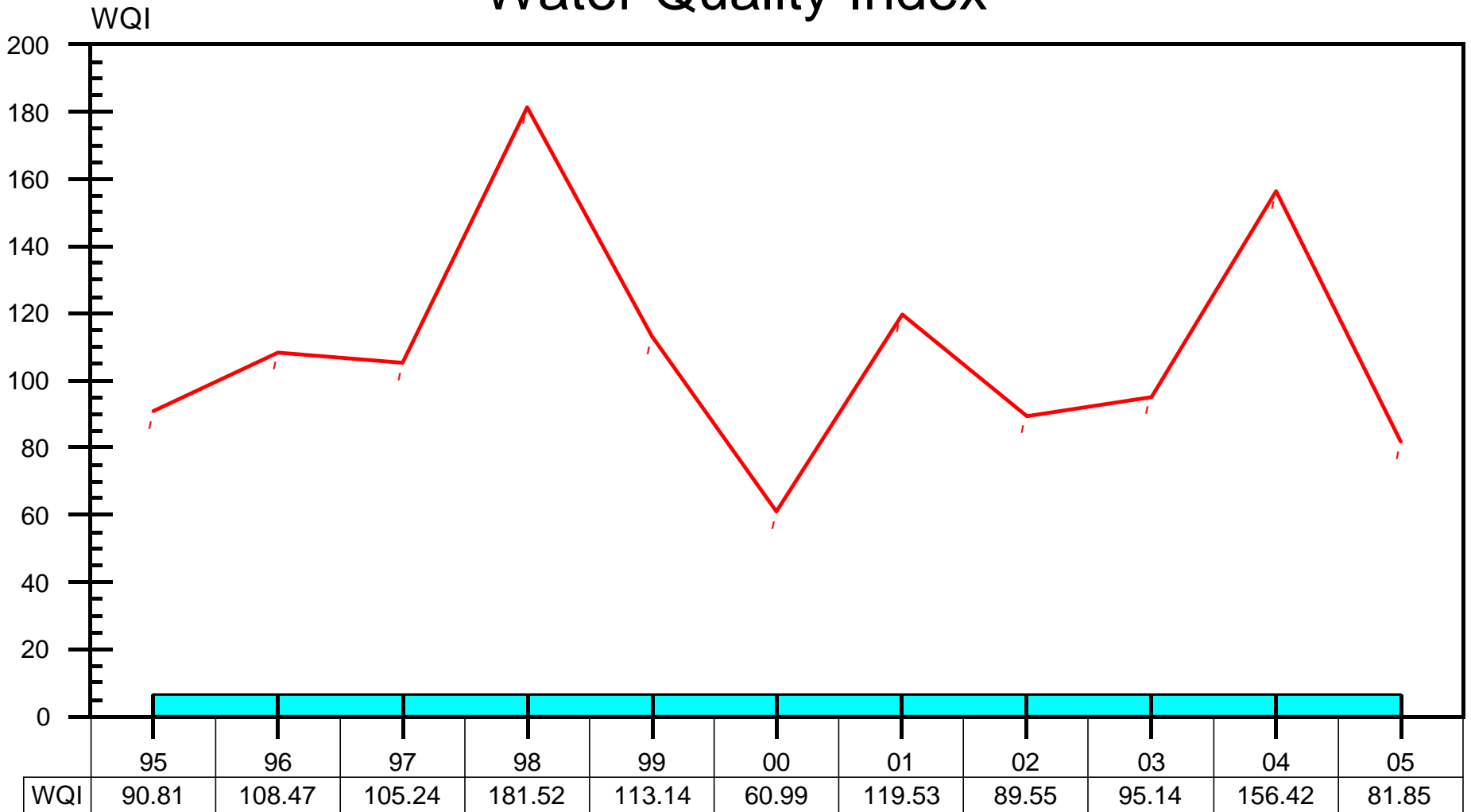
**Impaired Waterbody**

### Water Quality Statements:

Included on the FDEP group 2 basin list as medium priority impairment for total coliform and low priority impairment for dissolved oxygen.

<u>Parameter, Unit:</u>	<u>Average</u>	<u>Maximum</u>	<u>Minimum</u>
Chlorophyll a mg/m3	4.40	7.04	1.50
Chlorophyll a (Corrected) mg/m3	2.39	4.81	1.50
Color Pt-Co	58	85	46
Conductivity @ 25C umhos/cm	837	1012	683
Dissolved Oxygen (DO) mg/l	6.52	8.31	3.56
Fecal Coliform (FC) CFU	140	210	70
Nitrogen ammonia (NH3) mg/l	0.034	0.050	0.013
Nitrogen Kjeldahl (TKN) mg/l	0.864	1.033	0.748
Nitrogen Nitrate+Nitrite (NOx) mg/l	0.433	0.636	0.172
Nitrogen Total (TN) mg/l	1.30	1.56	1.10
pH Std Unit	6.88	7.19	6.67
Phosphorus Total (TP) mg/l	3.966	4.789	3.428
Temperature Deg C	21.48	27.36	15.28
Total Coliform (TC) CFU	1748	2300	590
Turbidity NTU	7.43	11.80	4.08

# ALAFIA NORTH PRONG NICHOLS Water Quality Index



Years

— WQI    ■ Baseline 6.5

STA NAME : ALAFIA1N

# Annual Stream Water Quality Data

**Sampling Site:** Alafia South Prong

**FDEP WBID:** 1621(E)

**Sampling Site Location:** S Prong Bridge On Sr37 S 9.3 miles S Of Hwy 60

**City:** North of Brewster

**Drainage Basin:** Alafia River

**T-R:** 31 - 23

**Eco Region:** 75b - Southwestern Florida Flatwoods

**River Length in Polk County(Ft):**

**Navigability:** NO / Canoe only

**Misc Information about this watersystem:**

**Drains To:** Tampa Bay

## Current year water quality information

**Year** 2005

**WQI:** 37.19

**Impaired Waterbody**

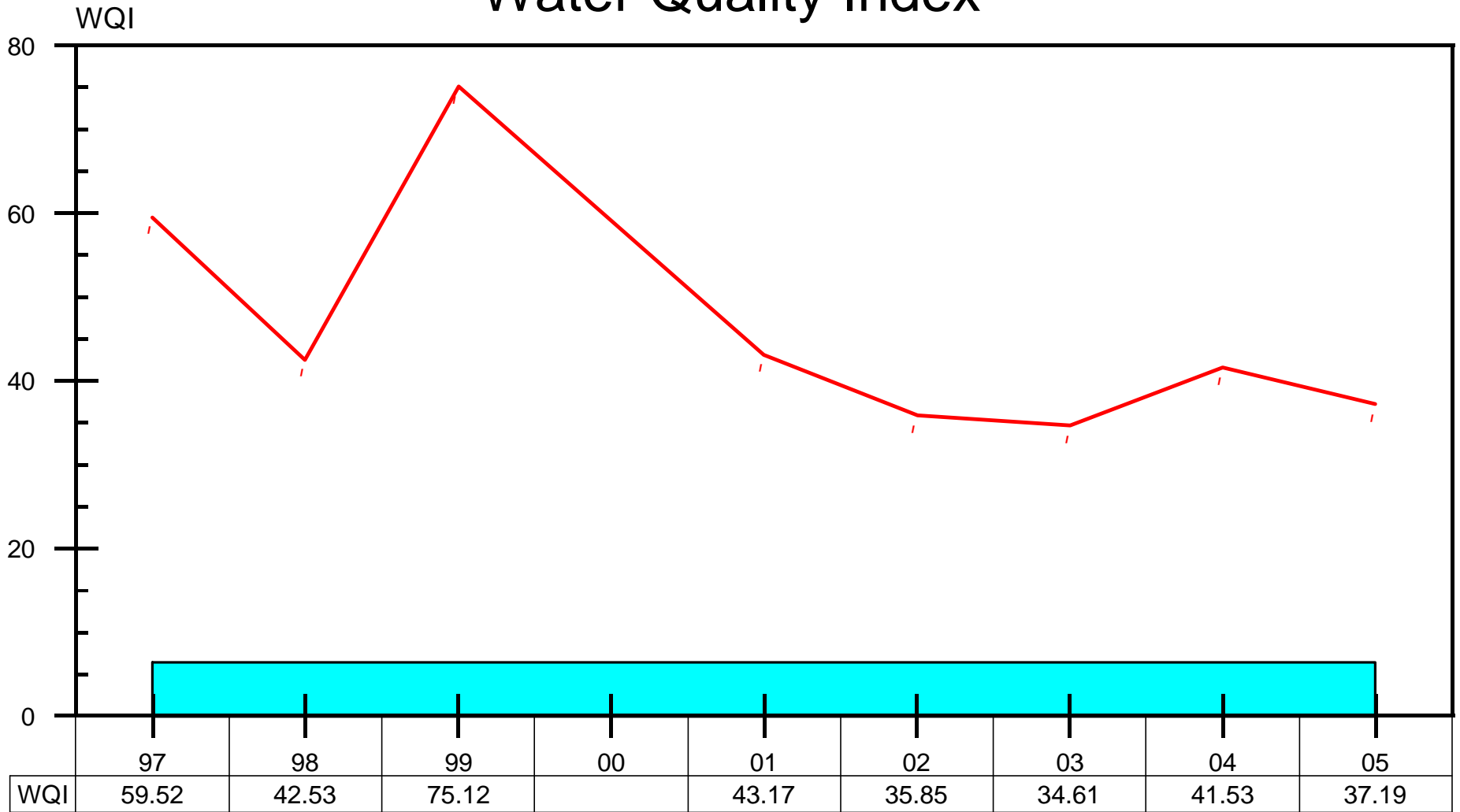
### Water Quality Statements:

Included on the FDEP group 2 basin list as low priority impairment for total coliform.

<u>Parameter, Unit:</u>	<u>Average</u>	<u>Maximum</u>	<u>Minimum</u>
Chlorophyll a mg/m3	7.54	15.94	4.10
Chlorophyll a (Corrected) mg/m3	5.64	14.02	1.75
Color Pt-Co	65	76	60
Conductivity @ 25C umhos/cm	500	624	391
Dissolved Oxygen (DO) mg/l	4.48	6.33	3.15
Fecal Coliform (FC) CFU	87	180	30
Nitrogen ammonia (NH3) mg/l	0.157	0.233	0.065
Nitrogen Kjeldahl (TKN) mg/l	1.326	1.536	1.150
Nitrogen Nitrate+Nitrite (NOx) mg/l	0.264	0.458	0.061
Nitrogen Total (TN) mg/l	1.59	1.99	1.21
pH Std Unit	7.18	7.33	7.03
Phosphorus Total (TP) mg/l	1.663	2.740	1.063
Temperature Deg C	21.95	28.60	14.93
Total Coliform (TC) CFU	590	1100	280
Turbidity NTU	1.42	2.62	0.89

# ALAFIA SOUTH PRONG NORTH OF BREWSTER

## Water Quality Index



Years

— WQI    ■ Baseline 6.5

STA NAME : ALAFIA2S

# Annual Stream Water Quality Data

**Sampling Site:** Blackwater Creek 1

**FDEP WBID:** 1482

**Sampling Site Location:** N Harrelson Rd Off Knights Griffin Rd

**City:** Lakeland

**Drainage Basin:** Hillsborough River

**T-R:** 28 - 23

**Eco Region:** 75b - Southwestern Florida Flatwoods

**River Length in Polk County(Ft):** 22,608

**Navigability:** NO

**Misc Information about this watersystem:**

**Drains To:** Wetlands & Hillsborough River

## Current year water quality information

**Year** 2005

**WQI:**

**Impaired Waterbody**

### Water Quality Statements:

No samples collected due to extremely low flow conditions. Entire creek is included on the group 2 basin list as impaired for total and fecal coliform bacteria with TMDL's adopted in September 2004.

### Parameter, Unit:

### Average

### Maximum

### Minimum

Chlorophyll a mg/m3

Chlorophyll a (Corrected) mg/m3

Color Pt-Co

Conductivity @ 25C umhos/cm

Dissolved Oxygen (DO) mg/l

Fecal Coliform (FC) CFU

Nitrogen ammonia (NH3) mg/l

Nitrogen Kjeldahl (TKN) mg/l

Nitrogen Nitrate+Nitrite (NOx) mg/l

Nitrogen Total (TN) mg/l

pH Std Unit

Phosphorus Total (TP) mg/l

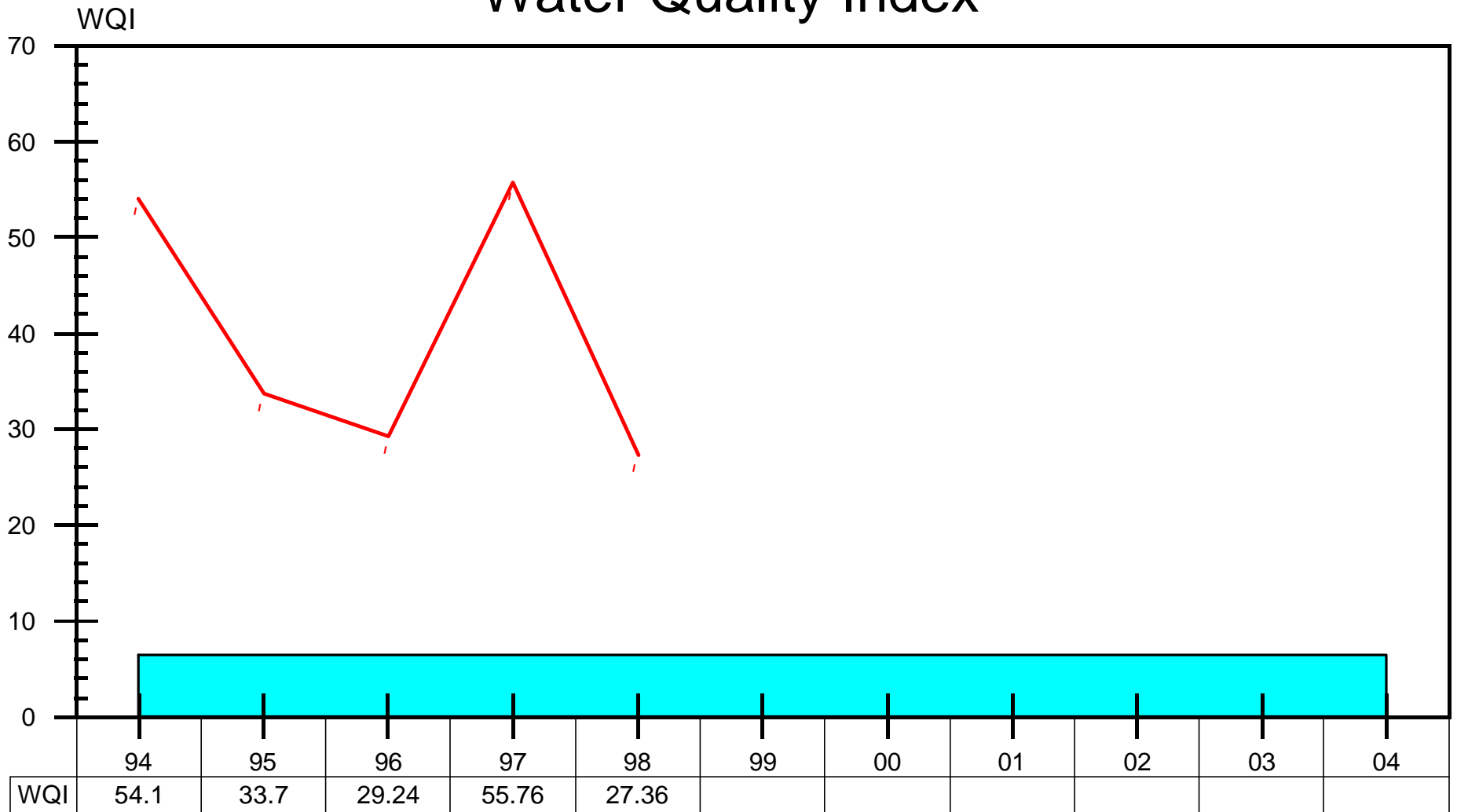
Temperature deg C

Total Coliform (TC) CFU

Turbidity NTU



# BLACKWATER CREEK 1 NORTH OF LAKELAND Water Quality Index



Years

— WQI    ■ Baseline 6.5

STA NAME : BLACKWATER CR1

# Annual Stream Water Quality Data

**Sampling Site:** Blackwater Creek 2

**FDEP WBID:** 1482

**Sampling Site Location:** 3/4 mi N of Knights Station Rd on Shady Oak Dr E

**City:** Lakeland

**Drainage Basin:** Hillsborough River

**T-R:** 27 - 23

**Eco Region:** 75b - Southwestern Florida Flatwoods

**River Length in Polk County(Ft):** 22,608

**Navigability:** NO

**Misc Information about this watersystem:**

**Drains To:** Wetlands & Hillsborough River

## Current year water quality information

**Year** 2005

**WQI:** 29.00

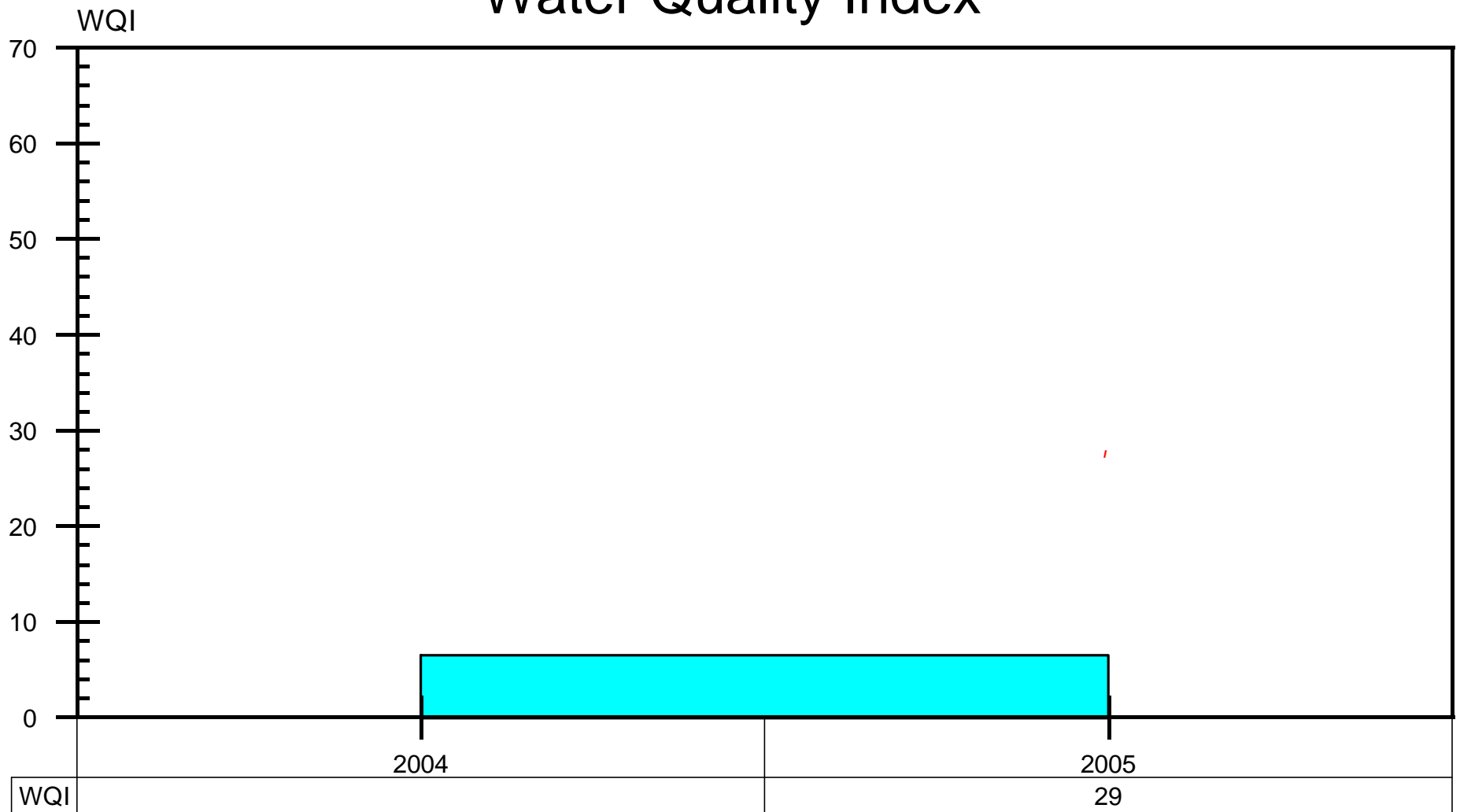
**Impaired Waterbody**

### Water Quality Statements:

Waterbody is impaired for total and fecal coliform bacteria. A total maximum daily load for the entire creek was adopted by FDEP in September 2004 identifying total and fecal coliform reduction goals.

<u>Parameter, Unit:</u>	<u>Average</u>	<u>Maximum</u>	<u>Minimum</u>
Chlorophyll a mg/m3	10.78	11.26	10.3
Chlorophyll a (Corrected) mg/m3	6.81	8.81	4.81
Color Pt-Co	155	200	110
Conductivity @ 25C umhos/cm	217	217	216
Dissolved Oxygen (DO) mg/l	6.93	7.70	6.15
Fecal Coliform (FC) CFU	2600	3000	2200
Nitrogen ammonia (NH3) mg/l	0.052	0.060	0.043
Nitrogen Kjeldahl (TKN) mg/l	1.182	1.380	0.984
Nitrogen Nitrate+Nitrite (NOx) mg/l	0.092	0.152	0.032
Nitrogen Total (TN) mg/l	1.28	1.53	1.02
pH Std Unit	6.97	7.01	6.92
Phosphorus Total (TP) mg/l	1.313	1.375	1.251
Temperature deg C	20.15	20.46	19.84
Total Coliform (TC) CFU	5600	6400	4800
Turbidity NTU	5.81	6.21	5.41

# BLACKWATER CREEK 2 NORTH OF LAKELAND Water Quality Index



Years

— WQI    ■ Baseline 6.5

STN NAME: BlackwaterCR2

# Annual Stream Water Quality Data

**Sampling Site:** Gator Creek

**FDEP WBID:**

**Sampling Site Location:** On N Moore Rd Off Old Polk City Rd

**City:** North of Lakeland

**Drainage Basin:** Withlacoochee River

**T-R:** 27 - 24

**Eco Region:** 75b - Southwestern Florida Flatwoods

**River Length in Polk County(Ft):** 88,864

**Navigability:** NO

**Misc Information about this watersystem:**

**Drains To:** Green Swamp & Withlacoochee Rvr

## Current year water quality information

**Year** 2005

**WQI:** 10.28

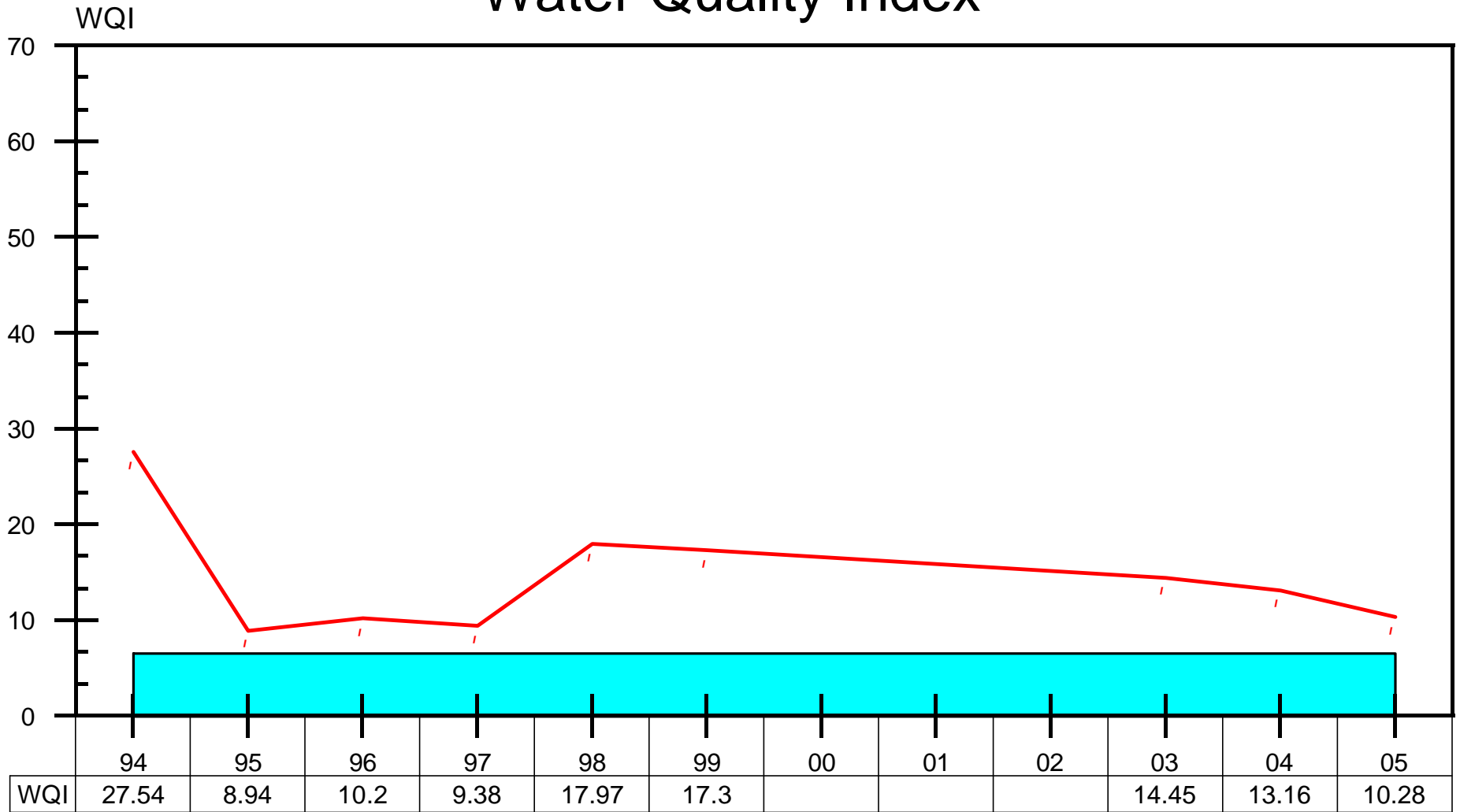
**Impaired Waterbody**

### Water Quality Statements:

There was no creditable difference in the water quality for 2005.

<u>Parameter, Unit:</u>	<u>Average</u>	<u>Maximum</u>	<u>Minimum</u>
Chlorophyll a mg/m3	8.28	9.52	7.04
Chlorophyll a (Corrected) mg/m3	6.01	8.01	4.01
Color Pt-Co	285	350	220
Conductivity @ 25C umhos/cm	75	81	68
Dissolved Oxygen (DO) mg/l	1.21	1.81	0.61
Fecal Coliform (FC) CFU	455	530	380
Nitrogen ammonia (NH3) mg/l	0.060	0.091	0.028
Nitrogen Kjeldahl (TKN) mg/l	1.662	2.092	1.232
Nitrogen Nitrate+Nitrite (NOx) mg/l	0.033	0.060	0.005
Nitrogen Total (TN) mg/l	1.69	2.15	1.23
pH Std Unit	6.60	6.92	6.28
Phosphorus Total (TP) mg/l	0.163	0.184	0.141
Temperature deg C	24.27	28.36	20.17
Total Coliform (TC) CFU	1885	2800	970
Turbidity NTU	3.59	4.23	2.94

# GATOR CREEK NORTH OF LAKELAND Water Quality Index



Years



STA NAME : GATOR CREEK1

# Annual Stream Water Quality Data

**Sampling Site:** Horse Creek2

**FDEP WBID:** 1436

**Sampling Site Location:** Hwy 547 N at RR Trestle Davenport

**City:** Davenport

**Drainage Basin:** Peace River

**T-R:** 28 - 27

**Eco Region:** 75c - Central Florida Ridges and Uplands

**River Length in Polk County(Ft):**

**Navigability:** Possibly by canoe or jon boat

**Misc Information about this watersystem:**

**Drains To:** Lake Hatchineha

## Current year water quality information

**Year** 2005

**WQI:** 5.42

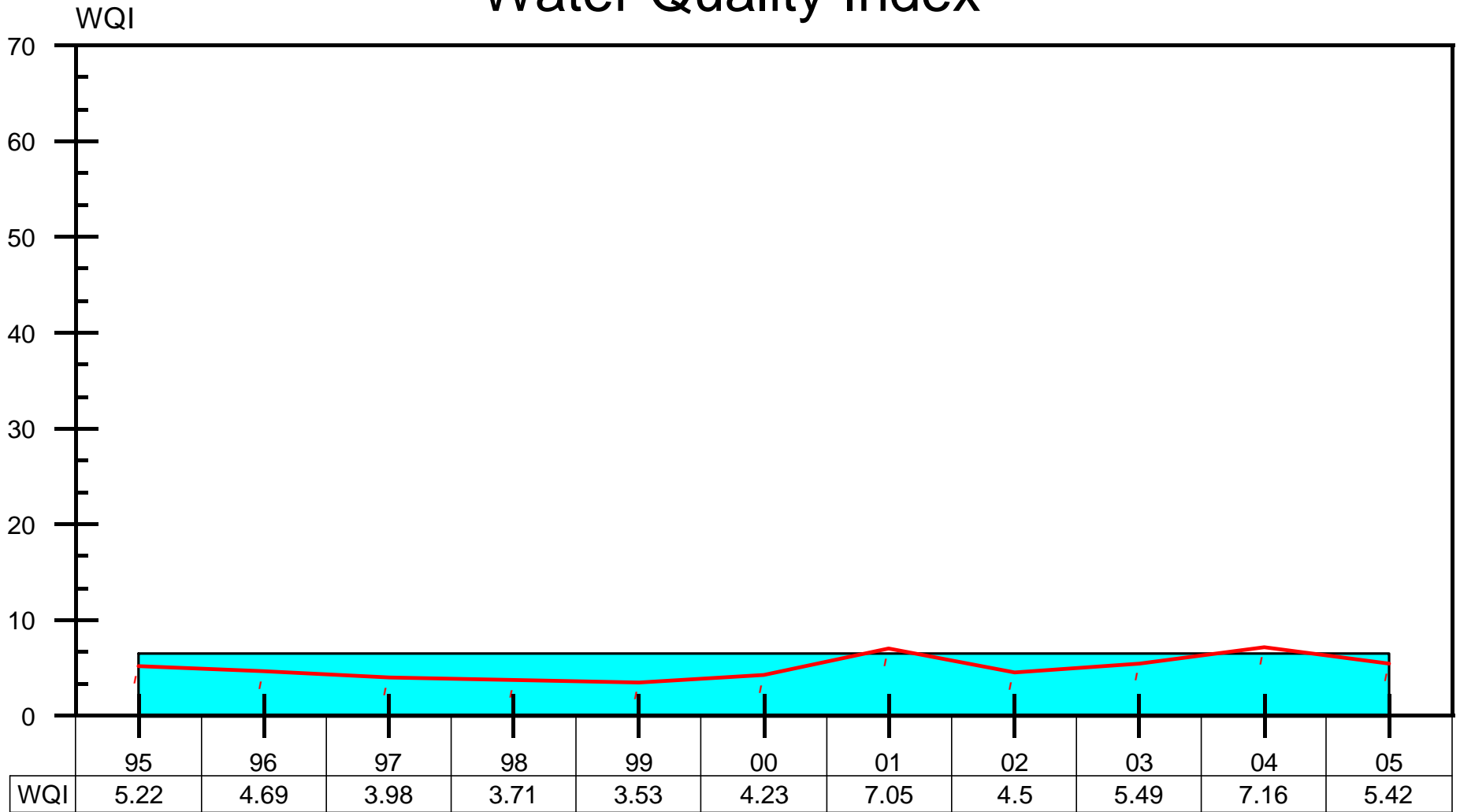
**Impaired Waterbody**

### Water Quality Statements:

Horse Creek is on the FDEP group 4 basin high priority list for fecal coliform. A TMDL is to be proposed in 2006.

<u>Parameter, Unit:</u>	<u>Average</u>	<u>Maximum</u>	<u>Minimum</u>
Chlorophyll a mg/m3	6.03	15.65	1.00
Chlorophyll a (Corrected) mg/m3	5.46	15.37	1.50
Color Pt-Co	253	550	125
Conductivity @ 25C umhos/cm	134	139	122
Dissolved Oxygen (DO) mg/l	3.30	5.50	1.48
Fecal Coliform (FC) CFU	865	2700	180
Nitrogen ammonia (NH3) mg/l	0.083	0.186	0.028
Nitrogen Kjeldahl (TKN) mg/l	1.392	2.062	1.019
Nitrogen Nitrate+Nitrite (NOx) mg/l	0.368	0.431	0.227
Nitrogen Total (TN) mg/l	1.76	2.29	1.41
pH Std Unit	6.39	6.72	6.01
Phosphorus Total (TP) mg/l	0.069	0.104	0.053
Temperature deg C	21.48	26.40	15.35
Total Coliform (TC) CFU	1775	5300	360
Turbidity NTU	2.94	4.06	1.70

# HORSE CREEK DAVENPORT Water Quality Index



Years



STA NAME : HORSESHOE CR2

# Annual Stream Water Quality Data

**Sampling Site:** Itchepackesassa Creek

**FDEP WBID:** 1495(B)

**Sampling Site Location:** Bridge On Walker Rd S Of Hwy 582

**City:** Lakeland

**Drainage Basin:** Hillsborough River

**T-R:** 28 - 23

**Eco Region:** 75b - Southwestern Florida Flatwoods

**River Length in Polk County(Ft):** 15,620

**Navigability:** NO

**Misc Information about this watersystem:**

**Drains To:** Wetlands to Hillsborough Rvr

## Current year water quality information

**Year** 2005

**WQI:** 14.00

**Impaired Waterbody**

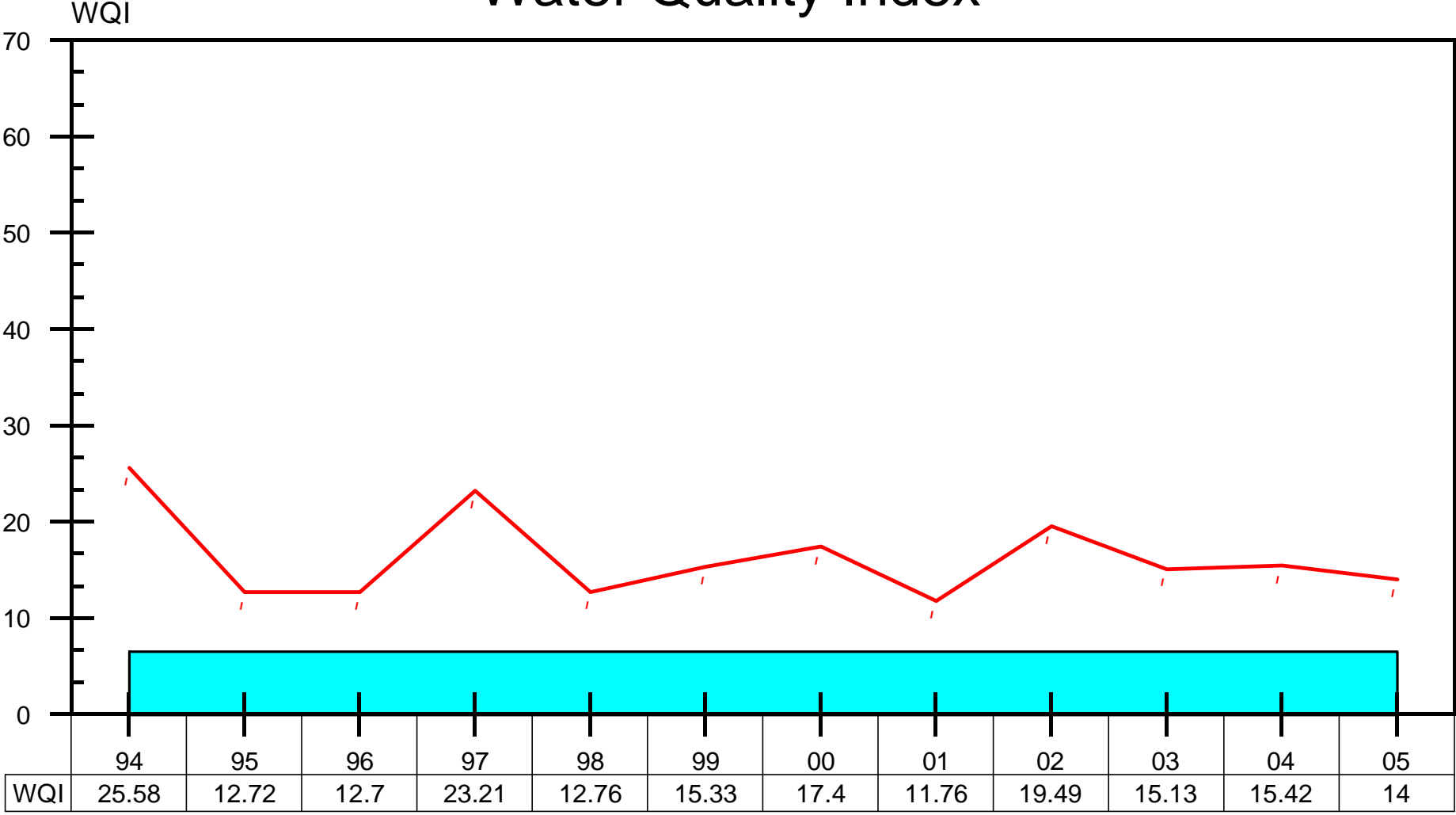
### Water Quality Statements:

Itchepackesassa Creek is listed on the FDEP group 2 basin list as medium impairment for total and Fecal Coliform.

<u>Parameter, Unit:</u>	<u>Average</u>	<u>Maximum</u>	<u>Minimum</u>
Chlorophyll a mg/m3	8.28	12.89	3.52
Chlorophyll a (Corrected) mg/m3	4.63	9.612	1.00
Color Pt-Co	83	125	54
Conductivity @ 25C umhos/cm	191	245	99
Dissolved Oxygen (DO) mg/l	7.69	10.29	6.10
Fecal Coliform (FC) CFU	1220	2900	390
Nitrogen ammonia (NH3) mg/l	0.066	0.090	0.039
Nitrogen Kjeldahl (TKN) mg/l	1.094	1.318	0.802
Nitrogen Nitrate+Nitrite (NOx) mg/l	0.514	0.693	0.434
Nitrogen Total (TN) mg/l	1.61	2.01	1.24
pH Std Unit	7.00	7.16	6.81
Phosphorus Total (TP) mg/l	0.544	0.709	0.381
Temperature deg C	21.4525	29.76	14.10
Total Coliform (TC) CFU	4400	6900	1100
Turbidity NTU	10.78	16.20	7.68



# ITCHEPACKESASSA CREEK NORTH OF LAKELAND Water Quality Index



— WQI    ■ Baseline 6.5

STA NAME : ITCHEPACK CR1

# Annual Stream Water Quality Data

**Sampling Site:** Lena Run Creek 1

**FDEP WBID:** 1501A

**Sampling Site Location:** N Side Of 655 On The W Side Of Fl Dist.

**City:** Auburndale

**Drainage Basin:** Peace River

**T-R:** 28 - 25

**Eco Region:** 75c - Central Florida Ridges and Uplands

**River Length in Polk County(Ft):** 38,343

**Navigability:** NO

**Misc Information about this watersystem:**

**Drains To:** Lake Hancock

## Current year water quality information

**Year** 2005

**WQI:** 26.50

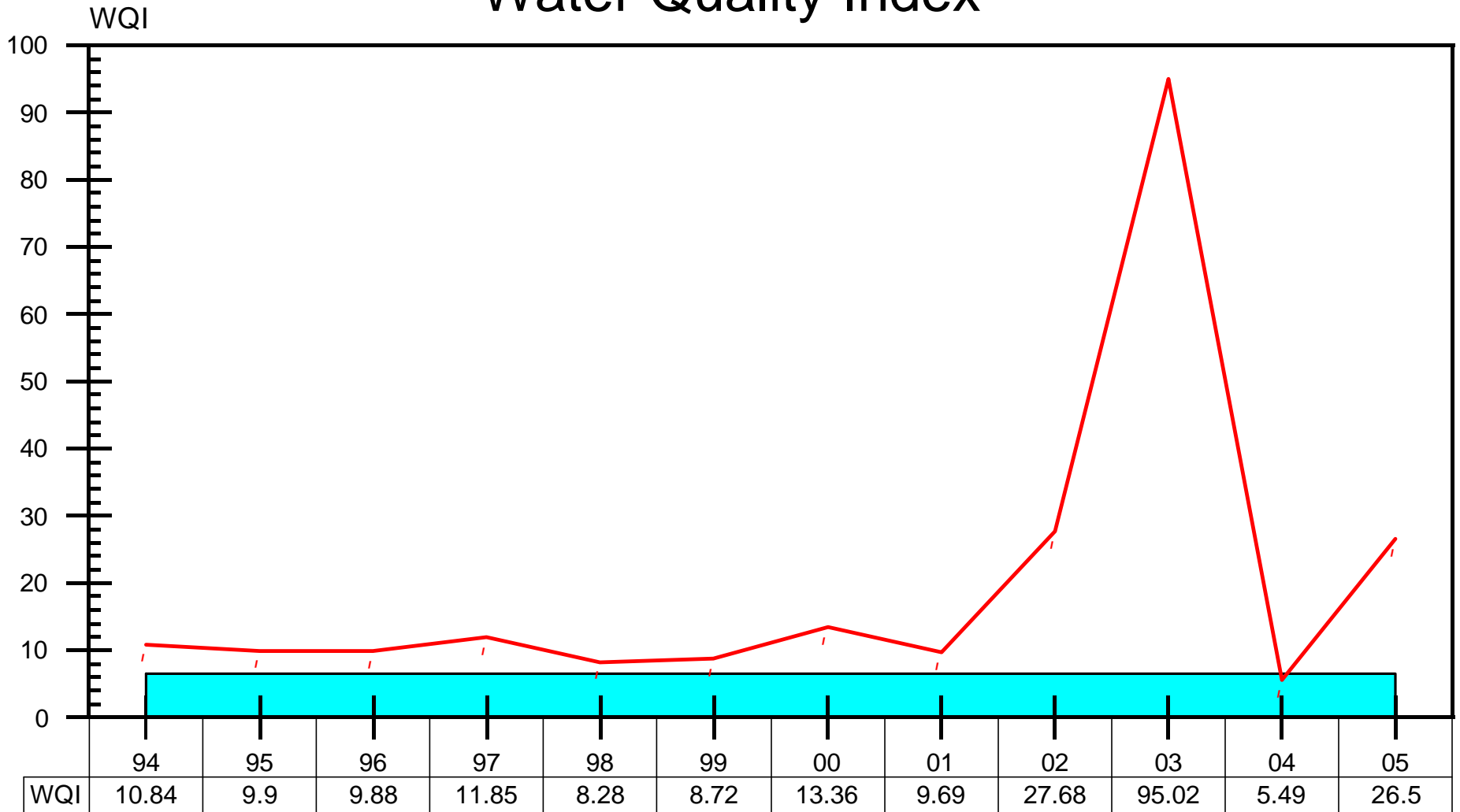
**Impaired Waterbody**

### Water Quality Statements:

Lena Run Creek is included on the EPA list of impaired waters for fecal coliform.

<u>Parameter, Unit:</u>	<u>Average</u>	<u>Maximum</u>	<u>Minimum</u>
Chlorophyll a mg/m3	7.15	10.54	1.50
Chlorophyll a (Corrected) mg/m3	5.88	8.01	1.50
Color Pt-Co	66	190	15
Conductivity @ 25C umhos/cm	413	508	234
Dissolved Oxygen (DO) mg/l	6.14	7.66	4.33
Fecal Coliform (FC) CFU	759	2100	45
Nitrogen ammonia (NH3) mg/l	0.154	0.374	0.045
Nitrogen Kjeldahl (TKN) mg/l	1.115	1.329	1.028
Nitrogen Nitrate+Nitrite (NOx) mg/l	1.470	3.420	0.106
Nitrogen Total (TN) mg/l	2.58	4.47	1.13
pH Std Unit	7.05	7.44	6.76
Phosphorus Total (TP) mg/l	1.113	2.397	0.095
Temperature deg C	25.17	32.03	20.16
Total Coliform (TC) CFU	2638	4400	250
Turbidity NTU	1.85	3.89	0.79

# LENA RUN CREEK 1 SOUTH OF AUBURNDALE Water Quality Index



Years

— WQI    ■ Baseline 6.5

STA NAME : LENA RUN CREEK1

# Annual Stream Water Quality Data

**Sampling Site:** Lena Run Creek 2

**FDEP WBID:** 1501A

**Sampling Site Location:** 1 Mile S Of 540 On E Side Of Thornhill

**City:** Winter Haven

**Drainage Basin:** Peace River

**T-R:** 29 - 25

**Eco Region:** 75c - Central Florida Ridges and Uplands

**River Length in Polk County(Ft):** 38,343

**Navigability:** NO

**Misc Information about this watersystem:**

**Drains To:** Lake Hancock

## Current year water quality information

**Year** 2005

**WQI:** 9.33

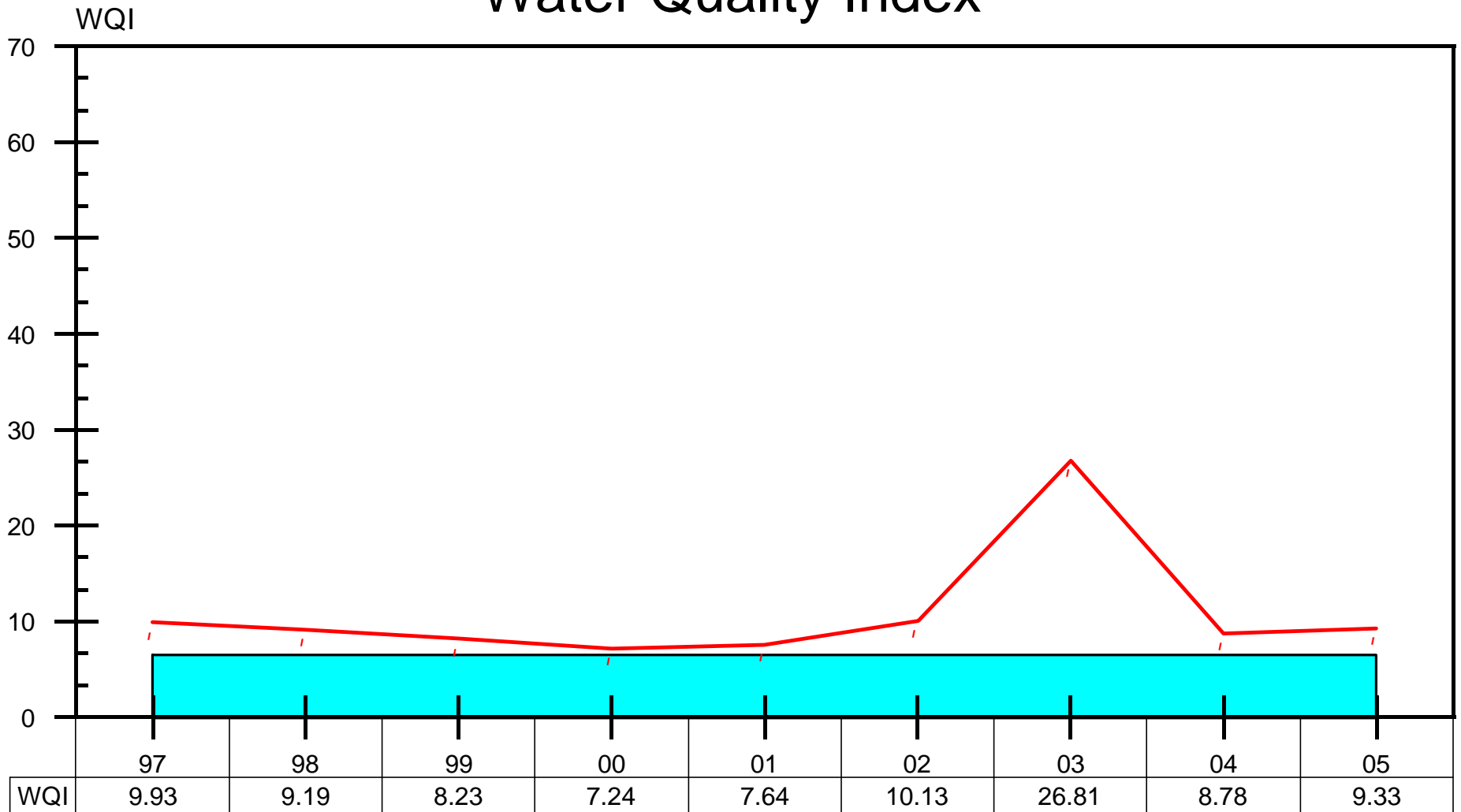
**Impaired Waterbody**

### Water Quality Statements:

Lena Run Creek is included on the EPA list of impaired waters for fecal coliform.

<u>Parameter, Unit:</u>	<u>Average</u>	<u>Maximum</u>	<u>Minimum</u>
Chlorophyll a mg/m3	2.31	3.36	1.50
Chlorophyll a (Corrected) mg/m3	1.80	3.20	1.00
Color Pt-Co	268	350	220
Conductivity @ 25C umhos/cm	230	264	205
Dissolved Oxygen (DO) mg/l	6.14	8.44	3.96
Fecal Coliform (FC) CFU	555	1190	160
Nitrogen ammonia (NH3) mg/l	0.052	0.064	0.042
Nitrogen Kjeldahl (TKN) mg/l	1.306	1.584	1.160
Nitrogen Nitrate+Nitrite (NOx) mg/l	0.396	0.566	0.088
Nitrogen Total (TN) mg/l	1.70	2.15	1.32
pH Std Unit	6.95	7.22	6.73
Phosphorus Total (TP) mg/l	0.324	0.502	0.196
Temperature deg C	22.55	30.65	17.03
Total Coliform (TC) CFU	2958	5300	230
Turbidity NTU	5.11	6.71	3.70

# LENA RUN CREEK 2 WEST OF WINTER HAVEN Water Quality Index



Years

— WQI    ■ Baseline 6.5

STA NAME : LENA RUN2

# Annual Stream Water Quality Data

**Sampling Site:** Lulu Run

**FDEP WBID:** 1521C

**Sampling Site Location:** S on 655; L on American Superior Blvd; R on Hoover Rd where lake discharges into Lulu Run

**City:** Winter Haven

**Drainage Basin:** Peace River

**T-R:** 29 - 28

**Eco Region:** 75c - Central Florida Ridges and Uplands

**River Length in Polk County(Ft):**

**Navigability:**

**Misc Information about this watersystem:**

**Drains To:** Peace River

## Current year water quality information

**Year** 2005

**WQI:** 6.42

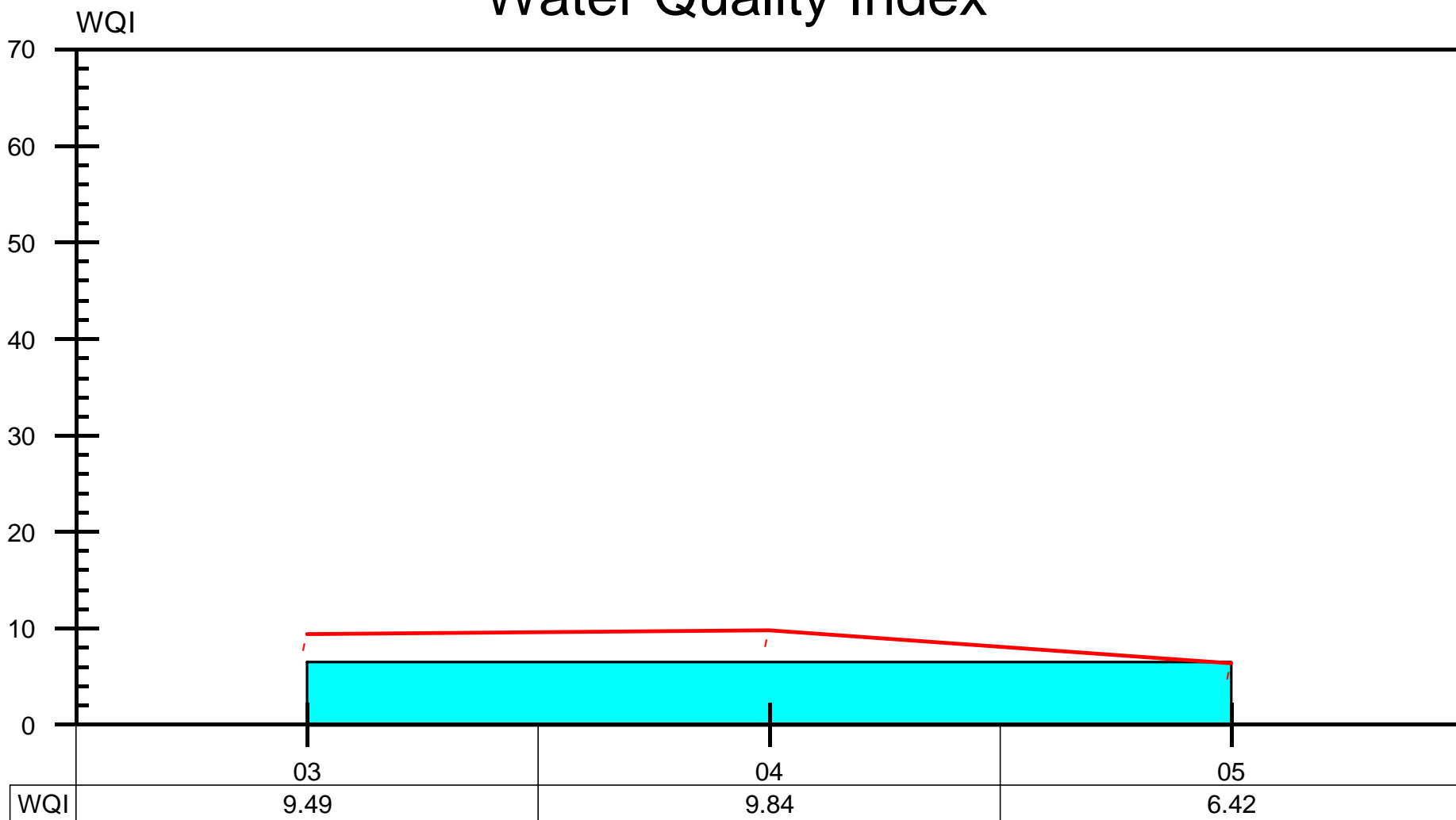
**Impaired Waterbody**

### Water Quality Statements:

There was no creditable difference in the water quality for 2005.

<u>Parameter, Unit:</u>	<u>Average</u>	<u>Maximum</u>	<u>Minimum</u>
Chlorophyll a mg/m3	21.18	32.09	11.79
Chlorophyll a (Corrected) mg/m3	18.06	30.04	8.01
Color Pt-Co	46	70	26
Conductivity @ 25C umhos/cm	212	225	191
Dissolved Oxygen (DO) mg/l	4.58	7.84	1.68
Fecal Coliform (FC) CFU	705	2100	90
Nitrogen ammonia (NH3) mg/l	0.181	0.444	0.011
Nitrogen Kjeldahl (TKN) mg/l	1.337	1.503	1.222
Nitrogen Nitrate+Nitrite (NOx) mg/l	0.011	0.020	0.005
Nitrogen Total (TN) mg/l	1.35	1.50	1.23
pH Std Unit	6.64	6.95	6.37
Phosphorus Total (TP) mg/l	0.088	0.102	0.077
Temperature deg C	22.58	29.05	16.39
Total Coliform (TC) CFU	2743	9700	240
Turbidity NTU	3.70	6.40	1.43

# LULU RUN WINTER HAVEN Water Quality Index



Years

— WQI    ■ Baseline 6.5

STA NAME : LULU RUN1

# Annual Stream Water Quality Data

**Sampling Site:** Marion Creek

**FDEP WBID:**

**Sampling Site Location:** N Of 542 - Bridge On Poinciana Pkw

**City:** Poinciana

**Drainage Basin:** Kissimmee River

**T-R:** 28 - 28

**Eco Region:** 75d - Eastern Florida Flatwoods

**River Length in Polk County(Ft):**

**Navigability:** Possibly by canoe or jon boat

**Misc Information about this watersystem:**

**Drains To:** Lake Hatchineha

## Current year water quality information

**Year** 2005

**WQI:** 5.80

**Impaired Waterbody**

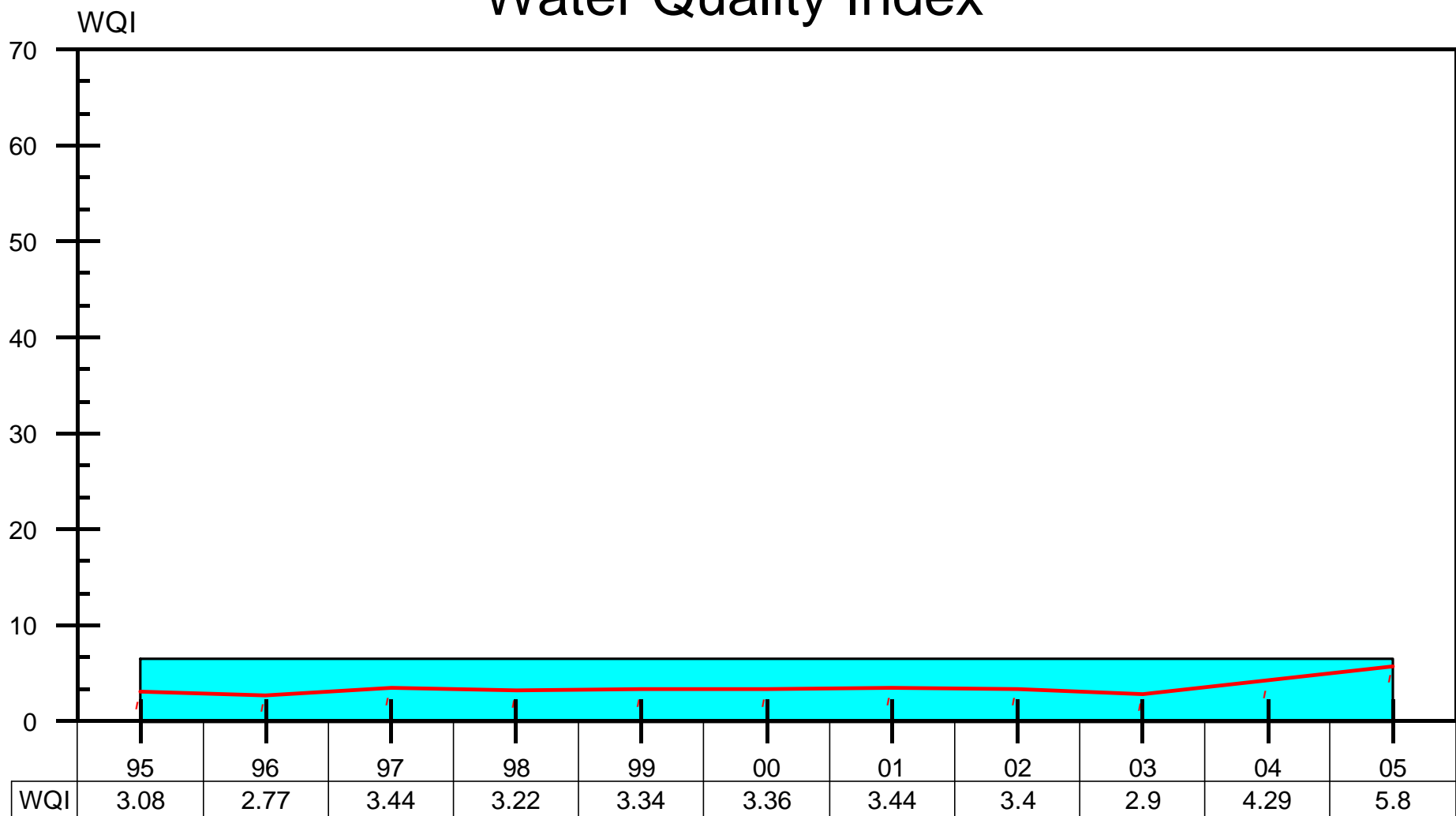
### Water Quality Statements:

There was no creditable difference in the water quality for 2005.

<u>Parameter, Unit:</u>	<u>Average</u>	<u>Maximum</u>	<u>Minimum</u>
Chlorophyll a mg/m3	6.66	23.12	0.50
Chlorophyll a (Corrected) mg/m3	5.33	17.05	1.25
Color Pt-Co	170	190	150
Conductivity @ 25C umhos/cm	135	146	127
Dissolved Oxygen (DO) mg/l	3.22	4.31	2.29
Fecal Coliform (FC) CFU	111	210	50
Nitrogen ammonia (NH3) mg/l	0.060	0.121	0.005
Nitrogen Kjeldahl (TKN) mg/l	1.147	1.621	0.942
Nitrogen Nitrate+Nitrite (NOx) mg/l	0.056	0.107	0.018
Nitrogen Total (TN) mg/l	1.20	1.73	0.97
pH Std Unit	6.69	6.97	6.34
Phosphorus Total (TP) mg/l	0.115	0.205	0.047
Temperature deg C	22.63	27.57	18.28
Total Coliform (TC) CFU	870	2400	160
Turbidity NTU	2.37	7.88	0.33



# MARION CREEK POINCIANA Water Quality Index



Years

— WQI    ■ Baseline 6.5

STA NAME : MARION CREEK1

# Annual Stream Water Quality Data

**Sampling Site:** Peace Creek1

**FDEP WBID:** 1539

**Sampling Site Location:** 3/10 Mile W Off Hwy 27S On SR 542

**City:** Dundee

**Drainage Basin:** Peace River

**T-R:** 28 - 27

**Eco Region:** 75b - Southwestern Florida Flatwoods

**River Length in Polk County(Ft):** 116,857

**Navigability:** NO

**Misc Information about this watersystem:**

**Drains To:** Peace River

## Current year water quality information

**Year** 2005

**WQI:** 8.06

**Impaired Waterbody**

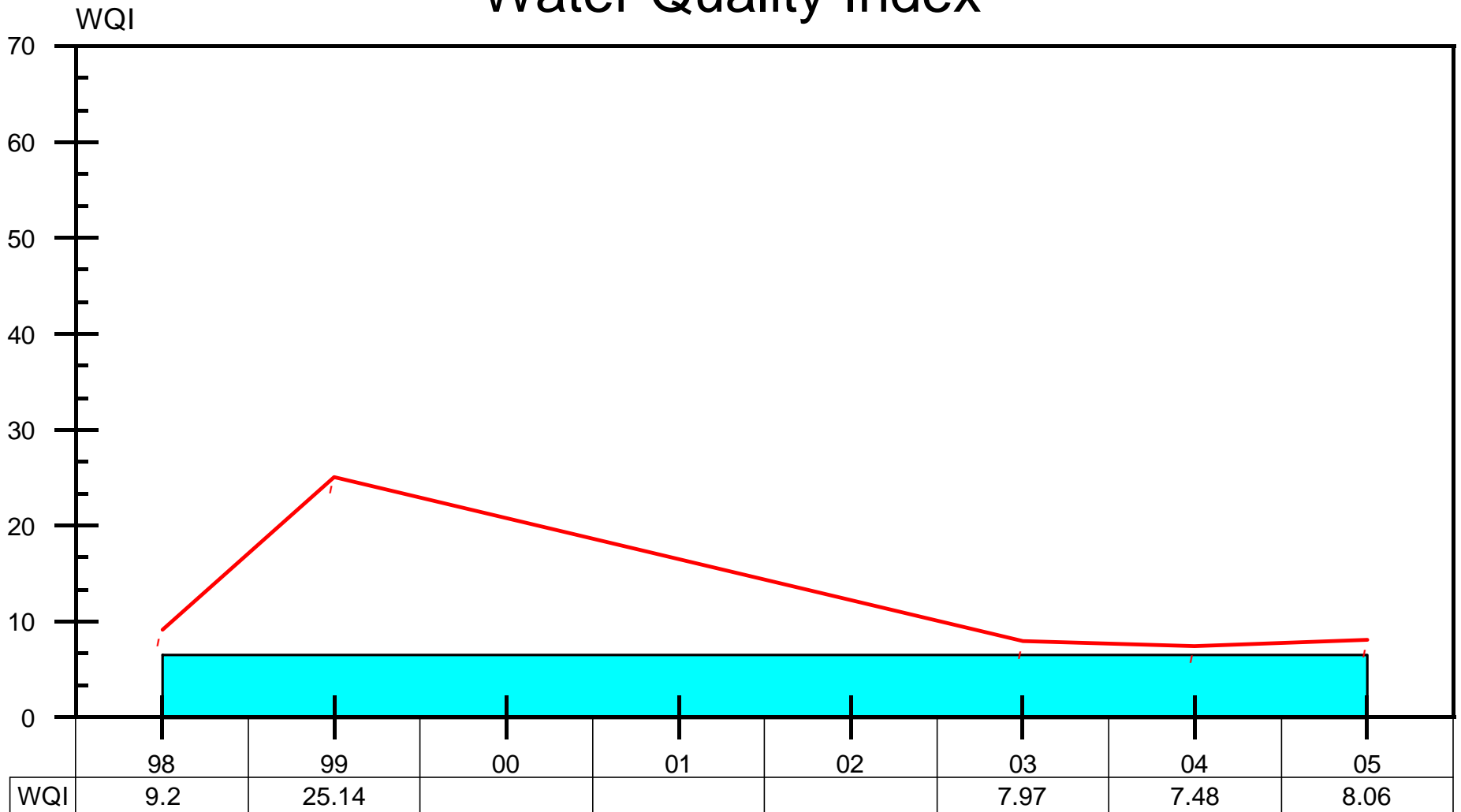
### Water Quality Statements:

This creek segment is listed as a high priority impairment on the FDEP group 3 basin list for fecal coliform. A TMDL was drafted in August 2005.

<u>Parameter, Unit:</u>	<u>Average</u>	<u>Maximum</u>	<u>Minimum</u>
Chlorophyll a mg/m3	11.90	25.57	4.22
Chlorophyll a (Corrected) mg/m3	8.21	20.83	1.50
Color Pt-Co	254	575	100
Conductivity @ 25C umhos/cm	168	183	142
Dissolved Oxygen (DO) mg/l	4.40	8.26	2.63
Fecal Coliform (FC) CFU	179	400	11
Nitrogen ammonia (NH3) mg/l	0.150	0.239	0.030
Nitrogen Kjeldahl (TKN) mg/l	2.022	2.705	1.261
Nitrogen Nitrate+Nitrite (NOx) mg/l	0.154	0.386	0.035
Nitrogen Total (TN) mg/l	2.18	3.02	1.30
pH Std Unit	6.29	6.90	5.86
Phosphorus Total (TP) mg/l	0.159	0.209	0.111
Temperature deg C	22.31	29.01	15.97
Total Coliform (TC) CFU	2368	7900	280
Turbidity NTU	10.60	29.20	3.18

# PEACE CREEK DRAINAGE CANAL 1 DUNDEE

## Water Quality Index



Years

— WQI    ■ Baseline 6.5

STA NAME : P.C. CANAL1

# Annual Stream Water Quality Data

**Sampling Site:** Peace Creek3

**FDEP WBID:** 1613

**Sampling Site Location:** 100yds E Fine Hart Mart Hwy 60 E N Side

**City:** Lake Wales

**Drainage Basin:** Peace River

**T-R:** 30 - 27

**Eco Region:** 75b - Southwestern Florida Flatwoods

**River Length in Polk County(Ft):** 116,857

**Navigability:** NO

**Misc Information about this watersystem:**

**Drains To:** Peace River

## Current year water quality information

**Year** 2005

**WQI:** 14.54

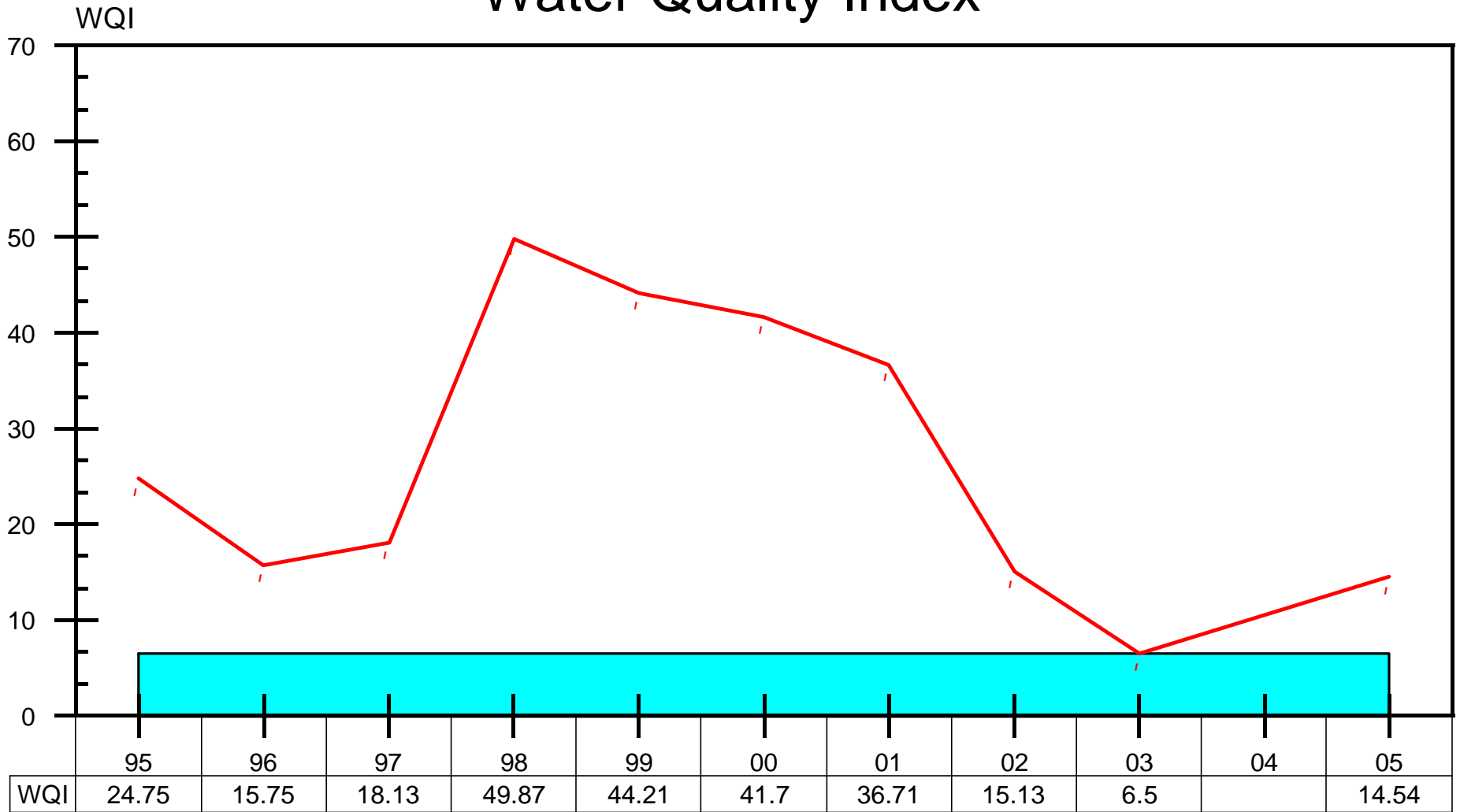
**Impaired Waterbody**

### Water Quality Statements:

There was no creditable difference in the water quality for 2005. This segment is not on the FDEP impairment list.

<u>Parameter, Unit:</u>	<u>Average</u>	<u>Maximum</u>	<u>Minimum</u>
Chlorophyll a mg/m3	24.25	28.83	19.67
Chlorophyll a (Corrected) mg/m3	19.22	20.83	17.61
Color Pt-Co	210	220	200
Conductivity @ 25C umhos/cm	163	169	156
Dissolved Oxygen (DO) mg/l	0.72	0.80	0.64
Fecal Coliform (FC) CFU	350	460	240
Nitrogen ammonia (NH3) mg/l	0.121	0.121	0.120
Nitrogen Kjeldahl (TKN) mg/l	1.943	2.071	1.815
Nitrogen Nitrate+Nitrite (NOx) mg/l	0.005	0.005	0.005
Nitrogen Total (TN) mg/l	1.95	2.07	1.82
pH Std Unit	6.44	6.53	6.35
Phosphorus Total (TP) mg/l	0.138	0.145	0.130
Temperature deg C	24.71	27.66	21.75
Total Coliform (TC) CFU	2150	2600	1700
Turbidity NTU	5.54	5.89	5.18

# PEACE CREEK DRAINAGE CANAL 3 LAKE WALES Water Quality Index



Years



STA NAME : P.C. CANAL3

# Annual Stream Water Quality Data

**Sampling Site:** Peace Creek4

**FDEP WBID:** 1626

**Sampling Site Location:** Alturas Rd Cutoff +520 Yds S Of RR W

**City:** Lake Wales

**Drainage Basin:** Peace River

**T-R:** 30 - 27

**Eco Region:** 75b - Southwestern Florida Flatwoods

**River Length in Polk County(Ft):** 116,857

**Navigability:** NO

**Misc Information about this watersystem:**

**Drains To:** Peace River

## Current year water quality information

**Year** 2005

**WQI:** 4.42

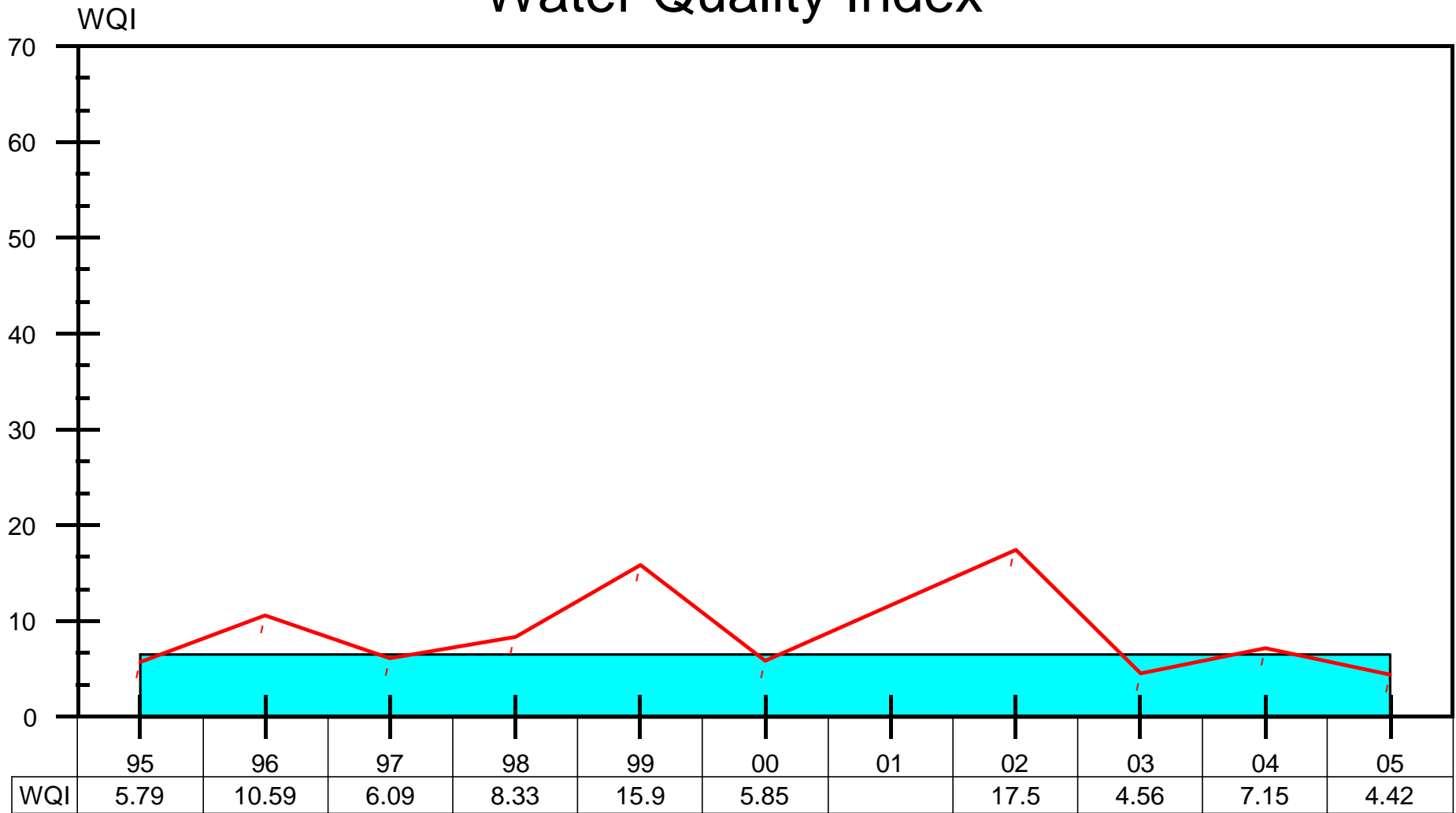
**Impaired Waterbody**

### Water Quality Statements:

There was no creditable difference in the water quality for 2005. This segment is not on the FDEP impairment list.

<u>Parameter, Unit:</u>	<u>Average</u>	<u>Maximum</u>	<u>Minimum</u>
Chlorophyll a mg/m3	6.27	7.75	4.79
Chlorophyll a (Corrected) mg/m3	5.53	7.75	3.31
Color Pt-Co	200	200	200
Conductivity @ 25C umhos/cm	59	66	52
Dissolved Oxygen (DO) mg/l	2.64	3.28	2.00
Fecal Coliform (FC) CFU	320	410	230
Nitrogen ammonia (NH3) mg/l	0.023	0.040	0.005
Nitrogen Kjeldahl (TKN) mg/l	1.179	1.224	1.133
Nitrogen Nitrate+Nitrite (NOx) mg/l	0.005	0.005	0.005
Nitrogen Total (TN) mg/l	1.18	1.22	1.13
pH Std Unit	5.85	5.93	5.76
Phosphorus Total (TP) mg/l	0.039	0.043	0.034
Temperature deg C	24.60	27.30	21.90
Total Coliform (TC) CFU	690	690	690
Turbidity NTU	2.66	2.98	2.34

# PEACE CREEK DRAINAGE CANAL 4 WEST OF LAKE WALES Water Quality Index



Years

— WQI    ■ Baseline 6.5

STA NAME : P.C. CANAL4

# Annual Stream Water Quality Data

**Sampling Site:** Peace Creek5

**FDEP WBID:** 1539

**Sampling Site Location:** Bridge @ Hwy 60 W 2/10 Mile W Of RR

**City:** Lake Wales

**Drainage Basin:** Peace River

**T-R:** 30 - 26

**Eco Region:** 75b - Southwestern Florida Flatwoods

**River Length in Polk County(Ft):** 116,857

**Navigability:** NO

**Misc Information about this watersystem:**

**Drains To:** Peace River

## Current year water quality information

**Year** 2005

**WQI:** 8.06

**Impaired Waterbody**

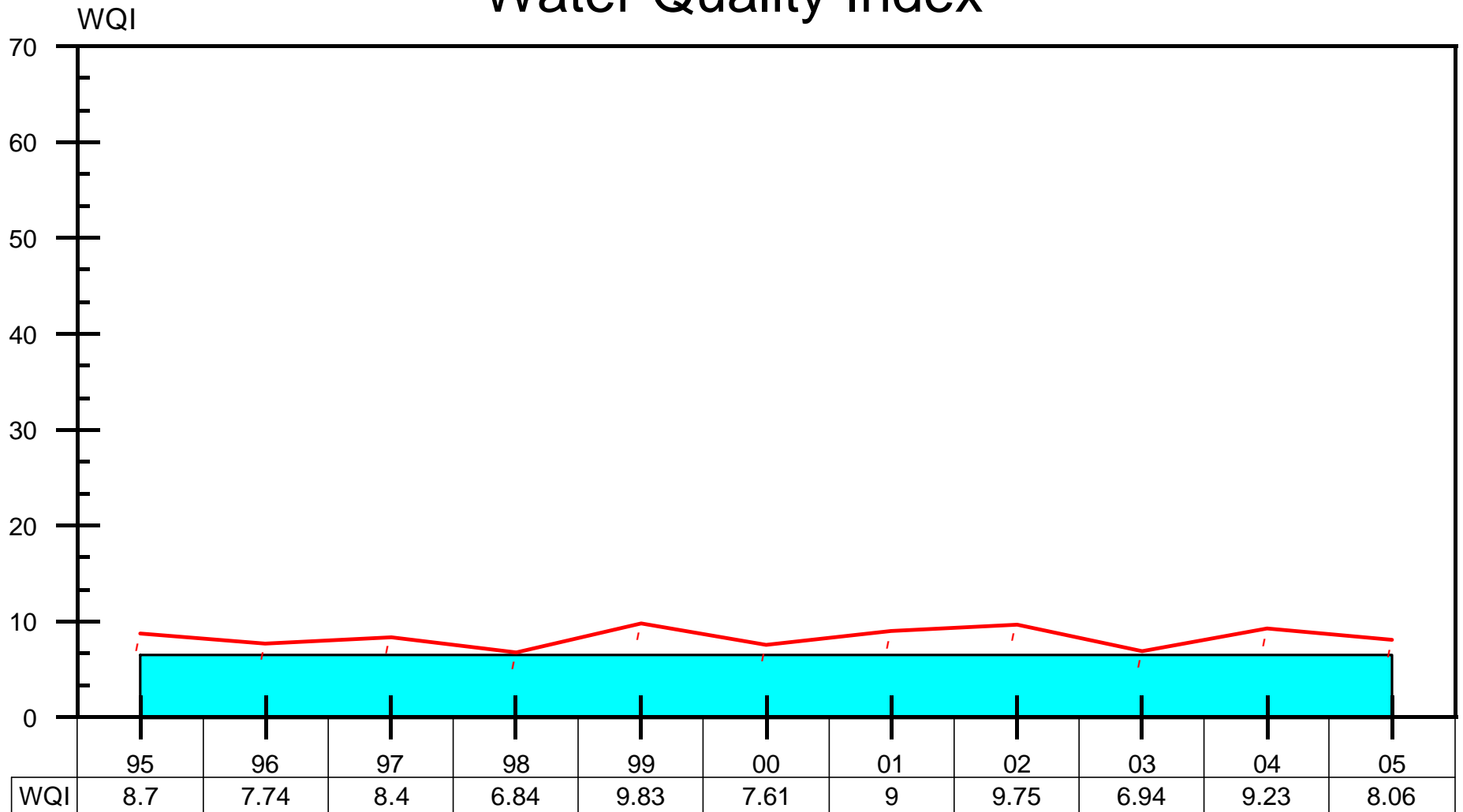
### Water Quality Statements:

This creek segment is listed as a high priority impairment on the FDEP group 3 basin list for fecal coliform. A TMDL was drafted in August 2005.

<u>Parameter, Unit:</u>	<u>Average</u>	<u>Maximum</u>	<u>Minimum</u>
Chlorophyll a mg/m3	19.09	26.18	13.42
Chlorophyll a (Corrected) mg/m3	14.95	19.22	9.11
Color Pt-Co	284	425	160
Conductivity @ 25C umhos/cm	173	199	148
Dissolved Oxygen (DO) mg/l	5.06	7.65	2.13
Fecal Coliform (FC) CFU	366	800	83
Nitrogen ammonia (NH3) mg/l	0.129	0.267	0.026
Nitrogen Kjeldahl (TKN) mg/l	1.984	2.484	1.543
Nitrogen Nitrate+Nitrite (NOx) mg/l	0.172	0.257	0.071
Nitrogen Total (TN) mg/l	2.16	2.74	1.61
pH Std Unit	6.46	6.64	6.28
Phosphorus Total (TP) mg/l	0.163	0.200	0.127
Temperature deg C	22.84	28.40	16.74
Total Coliform (TC) CFU	2315	3300	260
Turbidity NTU	9.22	13.20	6.10



# PEACE CREEK DRAINAGE CANAL 5 WEST OF LAKE WALES Water Quality Index



Years

— WQI    ■ Baseline 6.5

STA NAME : P.C. CANAL5

# Annual Stream Water Quality Data

**Sampling Site:** Peace Creek6

**FDEP WBID:** 1580

**Sampling Site Location:** 19th St W Of Hwy 655 3/10 Mile Dirt Rd

**City:** Wahneta

**Drainage Basin:** Peace River

**T-R:** 29 - 26

**Eco Region:** 75b - Southwestern Florida Flatwoods

**River Length in Polk County(Ft):**

**Navigability:** NO

**Misc Information about this watersystem:**

**Drains To:** Peace River

## Current year water quality information

**Year** 2005

**WQI:** 5.27

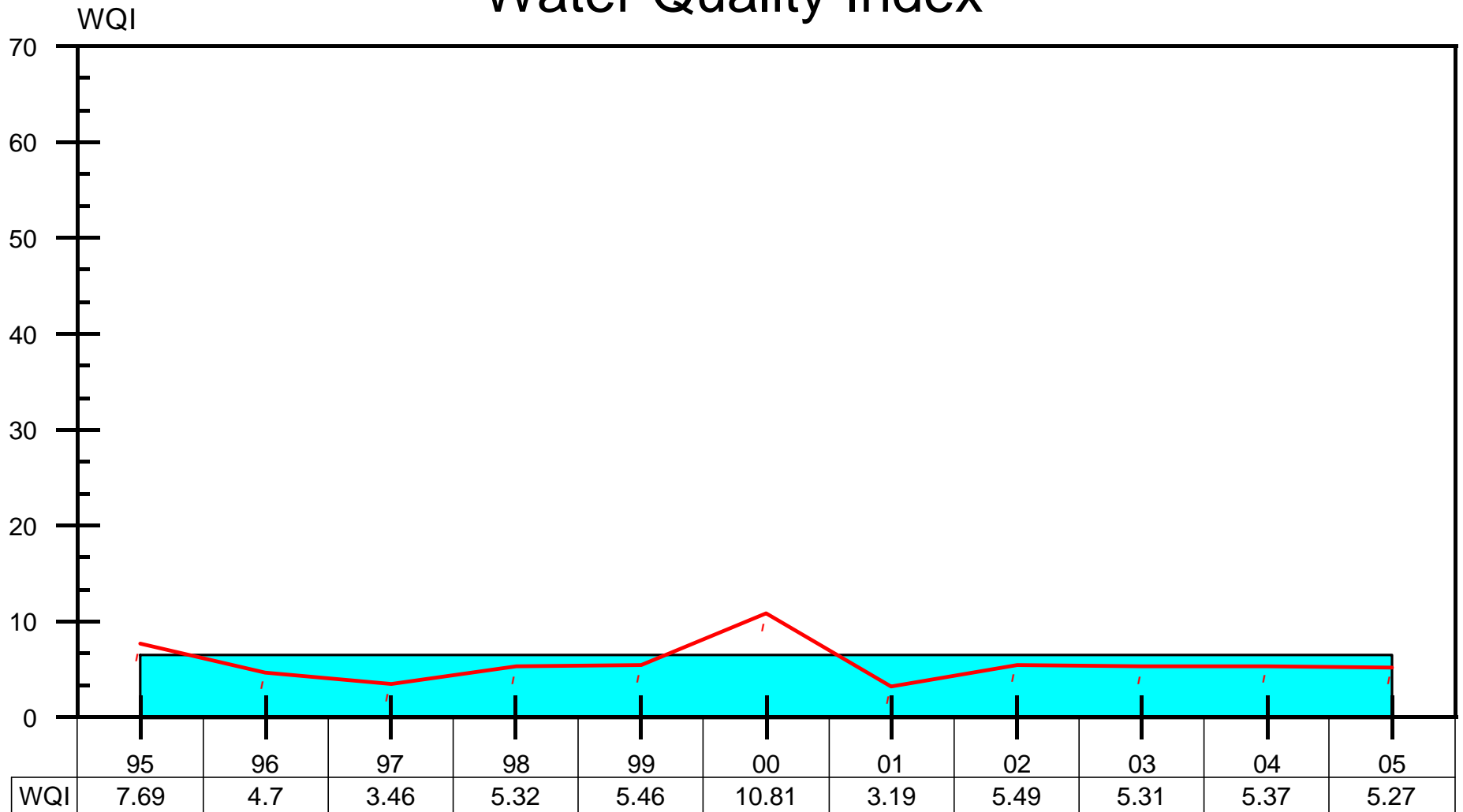
**Impaired Waterbody**

### Water Quality Statements:

This segment is included on the FDEP group 3 basin high priority list for fecal coliform with a TMDL drafted in August 2005. The segment is also included on the EPA TMDL list for total and fecal coliform.

<u>Parameter, Unit:</u>	<u>Average</u>	<u>Maximum</u>	<u>Minimum</u>
Chlorophyll a mg/m3	13.81	25.46	3.94
Chlorophyll a (Corrected) mg/m3	10.69	19.06	1.50
Color Pt-Co	88	100	76
Conductivity @ 25C umhos/cm	196	207	184
Dissolved Oxygen (DO) mg/l	5.53	8.08	2.80
Fecal Coliform (FC) CFU	320	410	160
Nitrogen ammonia (NH3) mg/l	0.054	0.064	0.045
Nitrogen Kjeldahl (TKN) mg/l	1.135	1.460	0.920
Nitrogen Nitrate+Nitrite (NOx) mg/l	0.207	0.375	0.075
Nitrogen Total (TN) mg/l	1.34	1.58	1.17
pH Std Unit	6.43	6.63	6.28
Phosphorus Total (TP) mg/l	0.102	0.129	0.083
Temperature deg C	22.49	27.89	16.76
Total Coliform (TC) CFU	2600	3000	2100
Turbidity NTU	6.19	9.04	3.20

# PEACE CREEK DRAINAGE CANAL 6 WAHNETA Water Quality Index



Years



STA NAME : P.C. CANAL6

# Annual Stream Water Quality Data

**Sampling Site:** Peace Creek7

**FDEP WBID:** 1580

**Sampling Site Location:** Hwy 655 N + 100 Yds N Of 12th St E

**City:** Wahneta

**Drainage Basin:** Peace River

**T-R:** 29 - 26

**Eco Region:** 75b - Southwestern Florida Flatwoods

**River Length in Polk County(Ft):**

**Navigability:** NO

**Misc Information about this watersystem:**

**Drains To:** Peace River

## Current year water quality information

**Year** 2005

**WQI:** 4.93

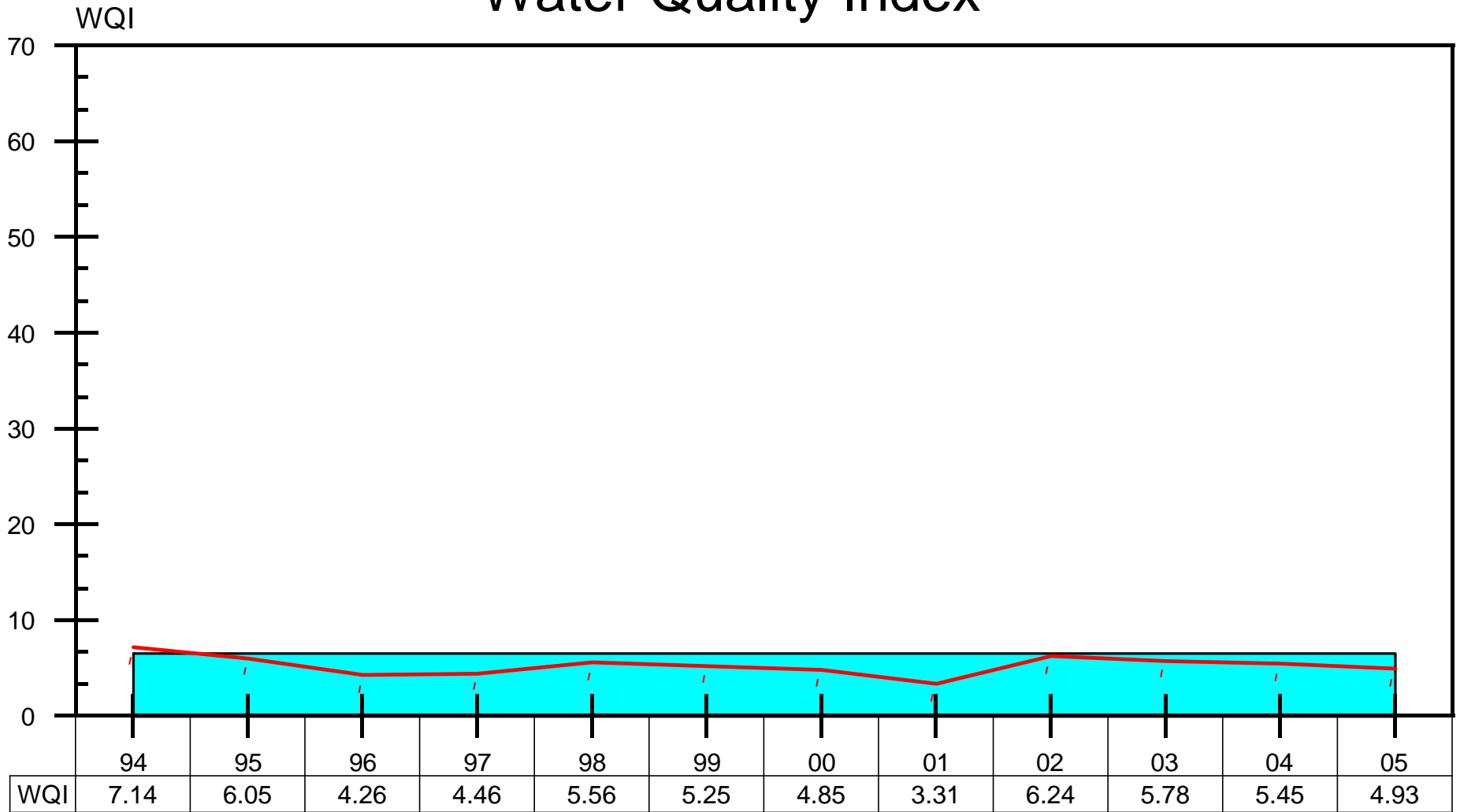
**Impaired Waterbody**

### Water Quality Statements:

This segment is included on the FDEP group 3 basin high priority list for fecal coliform with a TMDL drafted in August 2005. The segment is also included on the EPA TMDL list for total and fecal coliform.

<u>Parameter, Unit:</u>	<u>Average</u>	<u>Maximum</u>	<u>Minimum</u>
Chlorophyll a mg/m3	12.34	21.24	5.33
Chlorophyll a (Corrected) mg/m3	9.29	16.64	3.61
Color Pt-Co	82	100	75
Conductivity @ 25C umhos/cm	199	210	186
Dissolved Oxygen (DO) mg/l	5.28	8.09	2.35
Fecal Coliform (FC) CFU	318	470	150
Nitrogen ammonia (NH3) mg/l	0.053	0.067	0.040
Nitrogen Kjeldahl (TKN) mg/l	1.110	1.381	0.895
Nitrogen Nitrate+Nitrite (NOx) mg/l	0.222	0.399	0.070
Nitrogen Total (TN) mg/l	1.33	1.51	1.18
pH Std Unit	6.46	6.63	6.34
Phosphorus Total (TP) mg/l	0.086	0.111	0.070
Temperature deg C	22.54	28.12	16.63
Total Coliform (TC) CFU	2193	3300	970
Turbidity NTU	6.55	12.20	2.85

# PEACE CREEK DRAINAGE CANAL 7 WAHNETA Water Quality Index



Years

— WQI    ■ Baseline 6.5

STA NAME : P.C. CANAL7

# Annual Stream Water Quality Data

**Sampling Site:** Peace Creek8

**FDEP WBID:** 1539

**Sampling Site Location:** P.C. Bridge On 91 Mine Rd N Of Hwy 60

**City:** Bartow

**Drainage Basin:** Peace River

**T-R:** 29 - 25

**Eco Region:** 75b - Southwestern Florida Flatwoods

**River Length in Polk County(Ft):** 116,857

**Navigability:** NO

**Misc Information about this watersystem:**

**Drains To:** Peace River

## Current year water quality information

**Year** 2005

**WQI:** 8.27

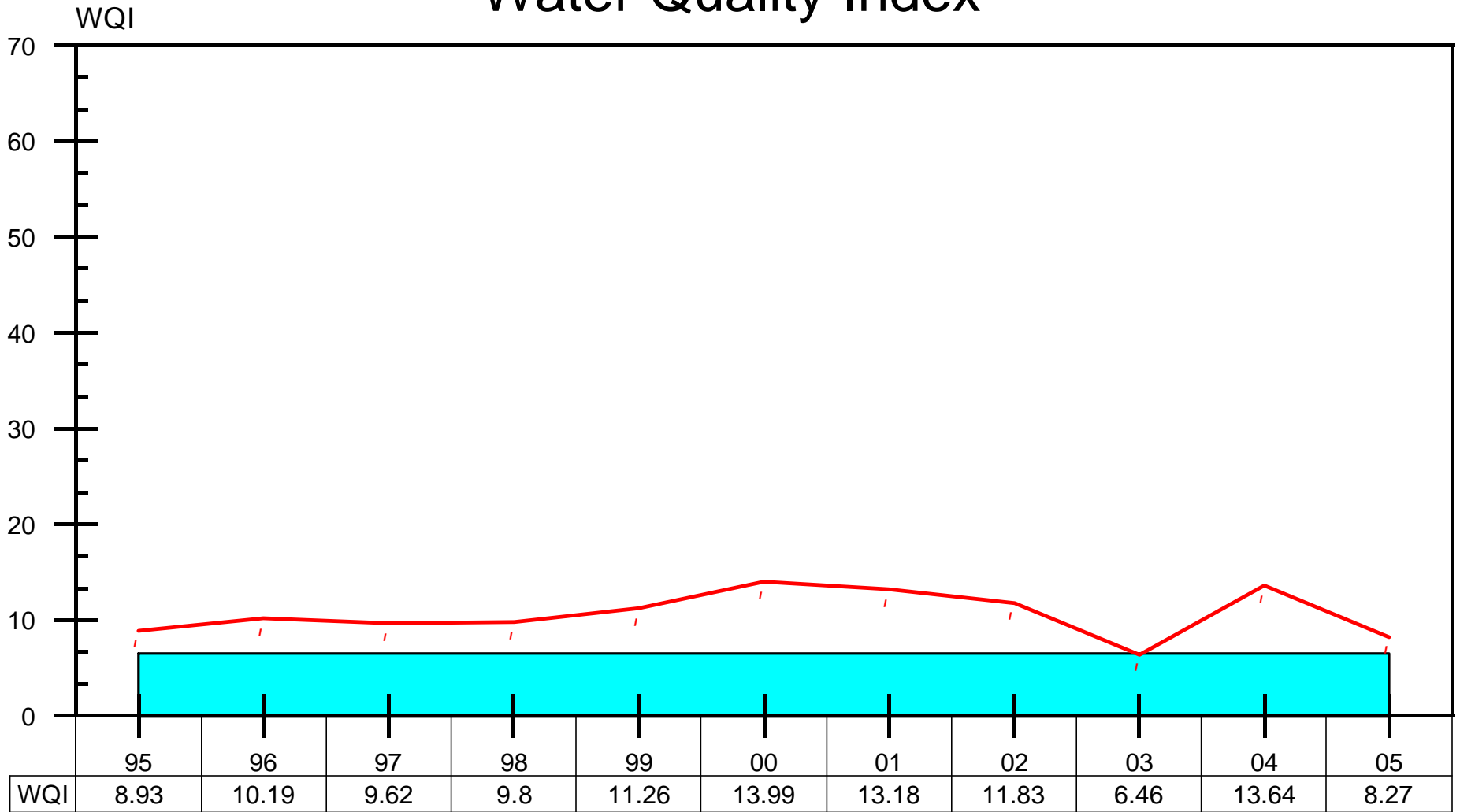
**Impaired Waterbody**

### Water Quality Statements:

This creek segment is listed as a high priority impairment on the FDEP group 3 basin list for fecal coliform. A TMDL was drafted in August 2005.

<u>Parameter, Unit:</u>	<u>Average</u>	<u>Maximum</u>	<u>Minimum</u>
Chlorophyll a mg/m3	13.02	16.57	10.52
Chlorophyll a (Corrected) mg/m3	9.00	10.35	7.21
Color Pt-Co	265	360	190
Conductivity @ 25C umhos/cm	148	184	116
Dissolved Oxygen (DO) mg/l	5.27	7.44	3.03
Fecal Coliform (FC) CFU	588	1500	220
Nitrogen ammonia (NH3) mg/l	0.076	0.134	0.041
Nitrogen Kjeldahl (TKN) mg/l	1.646	1.924	1.400
Nitrogen Nitrate+Nitrite (NOx) mg/l	0.126	0.192	0.047
Nitrogen Total (TN) mg/l	1.78	2.12	1.45
pH Std Unit	6.60	6.80	6.45
Phosphorus Total (TP) mg/l	0.226	0.313	0.155
Temperature deg C	23.51	28.50	17.60
Total Coliform (TC) CFU	2433	4300	610
Turbidity NTU	8.00	9.52	5.49

# PEACE CREEK 8 BARTOW Water Quality Index



Years

— WQI    ■ Baseline 6.5

STA NAME : P.C. CANAL8

# Annual Stream Water Quality Data

**Sampling Site:** Peace Creek9

**FDEP WBID:** 1623K

**Sampling Site Location:** 1 Mile W Old Bartow/Eagle Lk Cutoff Rd

**City:** Bartow

**Drainage Basin:** Peace River

**T-R:** 29 - 25

**Eco Region:** 75b - Southwestern Florida Flatwoods

**River Length in Polk County(Ft):** 46,053

**Navigability:** yes

**Misc Information about this watersystem:**

**Drains To:** Lake Hancock

CALL 667-0971 for more information about the park.

## Current year water quality information

**Year** 2005

**WQI:** 31.55

**Impaired Waterbody**

### Water Quality Statements:

This creek segment is listed on the FDEP group 3 basin high priority list for nutrients and dissolved oxygen with TMDL's drafted in November 2005. The segment is also on the EPA TMDL list for fecal coliform.

<u>Parameter, Unit:</u>	<u>Average</u>	<u>Maximum</u>	<u>Minimum</u>
Chlorophyll a mg/m3	243.88	470.0	75.24
Chlorophyll a (Corrected) mg/m3	216.09	430.0	66.08
Color Pt-Co	105	185	60
Conductivity @ 25C umhos/cm	191	201	178
Dissolved Oxygen (DO) mg/l	4.36	6.18	3.14
Fecal Coliform (FC) CFU	190	270	100
Nitrogen ammonia (NH3) mg/l	0.025	0.056	0.005
Nitrogen Kjeldahl (TKN) mg/l	5.000	8.765	2.394
Nitrogen Nitrate+Nitrite (NOx) mg/l	0.008	0.014	0.005
Nitrogen Total (TN) mg/l	5.01	8.77	2.39
pH Std Unit	7.71	8.42	6.89
Phosphorus Total (TP) mg/l	0.692	1.169	0.272
Temperature deg C	26.39	28.18	24.65
Total Coliform (TC) CFU	633	1100	400
Turbidity NTU	39.97	69.60	13.20

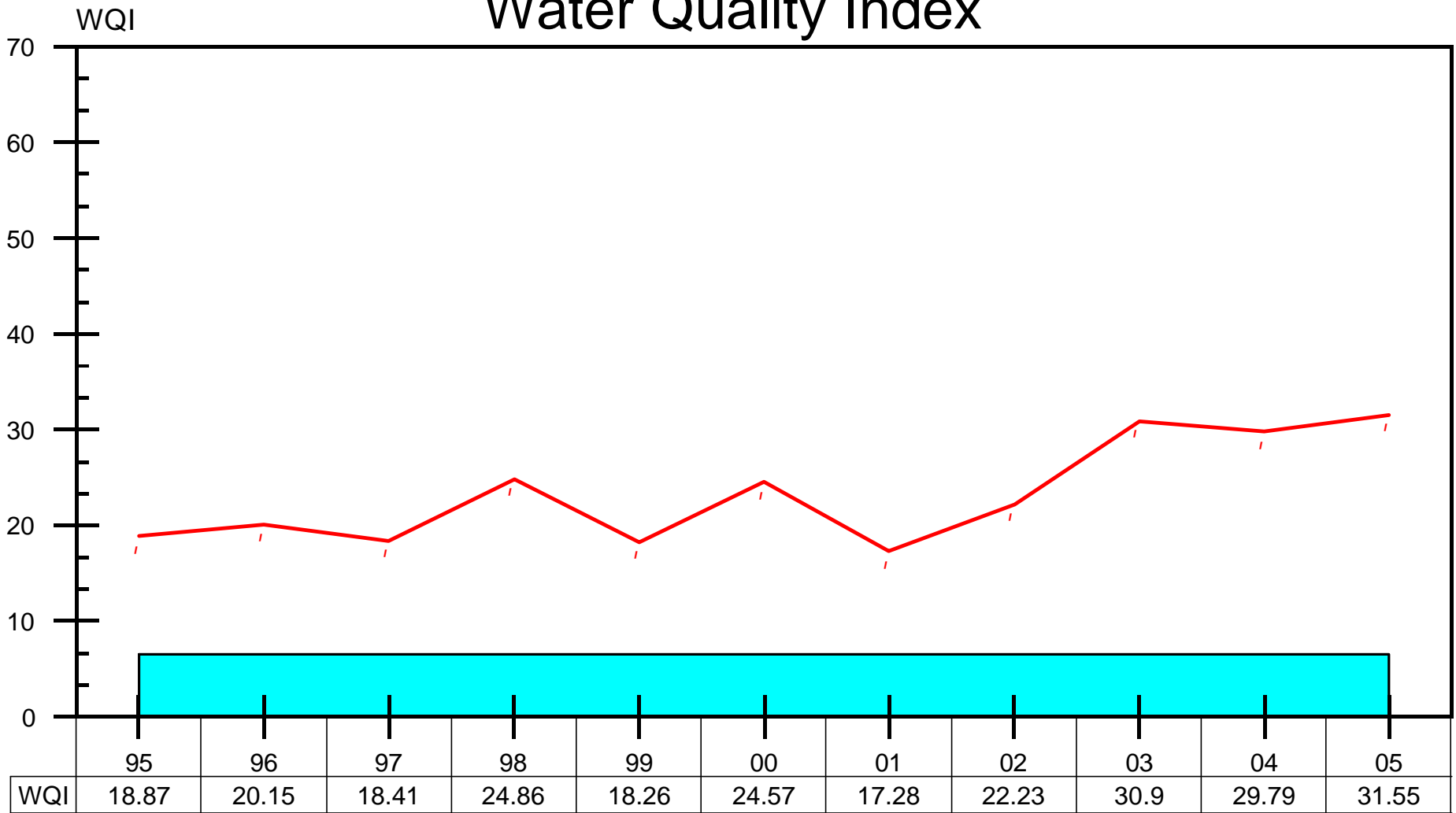


# SADDLE CREEK

(Peace Creek 9)

## BARTOW

### Water Quality Index



Years



STA NAME : P.C. CANAL9

# Annual Stream Water Quality Data

**Sampling Site:** Peace Creek10

**FDEP WBID:** 1623(J)

**Sampling Site Location:** Bridge On Hwy 60 W Of Kincaide Marine

**City:** Bartow

**Drainage Basin:** Peace River

**T-R:** 29 - 25

**Eco Region:** 75b - Southwestern Florida Flatwoods

**River Length in Polk County(Ft):** 136,030

**Navigability:** Yes; by canoe or jon boat

**Misc Information about this watersystem:**

**Drains To:** Peace River

## Current year water quality information

**Year** 2005

**WQI:** 26.20

**Impaired Waterbody**

### Water Quality Statements:

This creek segment is listed on the FDEP group 3 basin high priority list for fecal coliform with a TMDL drafted in August 2005.

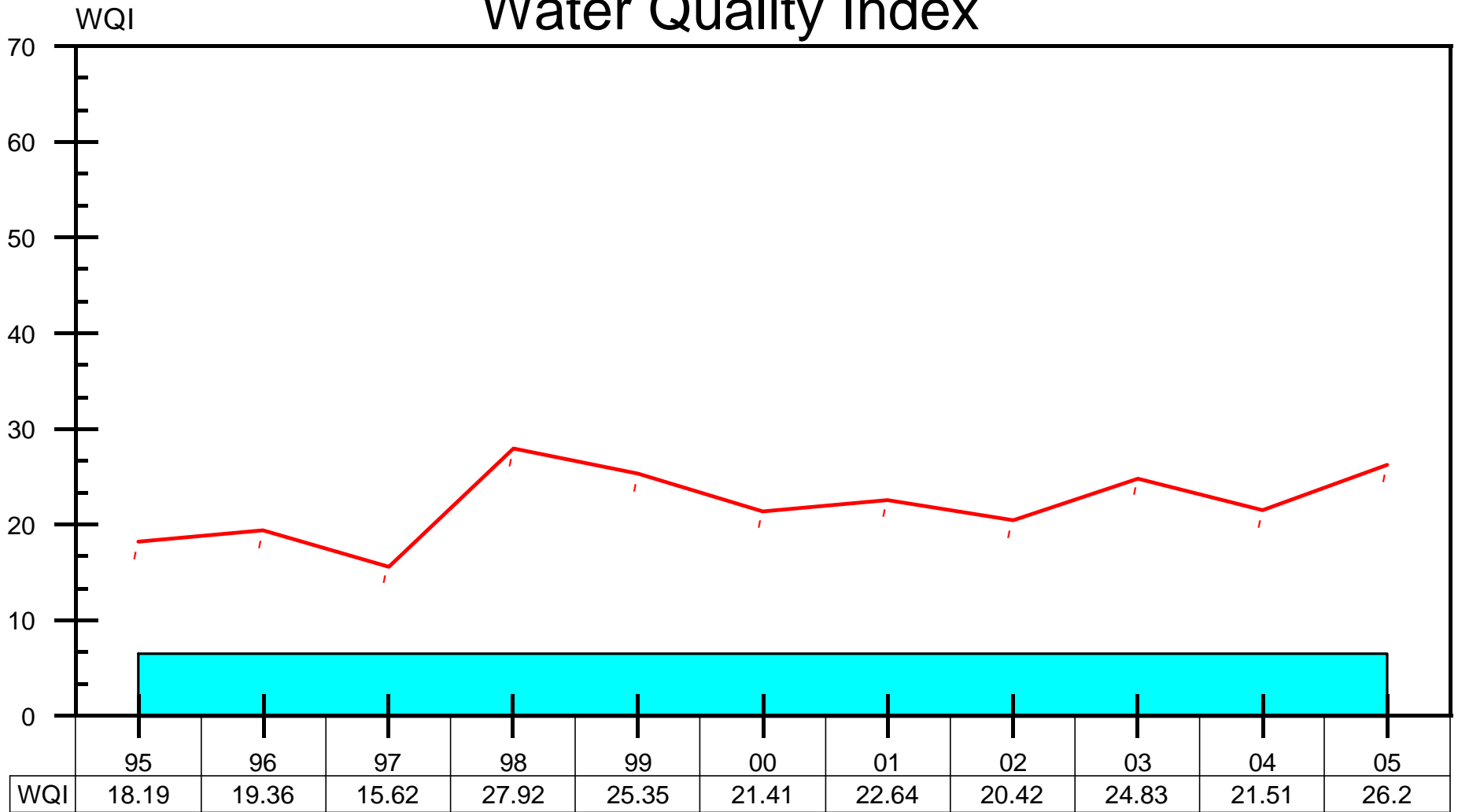
<u>Parameter, Unit:</u>	<u>Average</u>	<u>Maximum</u>	<u>Minimum</u>
Chlorophyll a mg/m3	87.91	268.0	13.20
Chlorophyll a (Corrected) mg/m3	73.22	232.0	9.61
Color Pt-Co	218	250	170
Conductivity @ 25C umhos/cm	167	215	131
Dissolved Oxygen (DO) mg/l	4.31	6.96	2.01
Fecal Coliform (FC) CFU	388	510	180
Nitrogen ammonia (NH3) mg/l	0.359	0.982	0.086
Nitrogen Kjeldahl (TKN) mg/l	2.734	4.198	1.761
Nitrogen Nitrate+Nitrite (NOx) mg/l	0.143	0.255	0.078
Nitrogen Total (TN) mg/l	2.88	4.33	1.87
pH Std Unit	6.81	7.44	6.48
Phosphorus Total (TP) mg/l	0.790	1.558	0.462
Temperature deg C	23.73	28.38	17.52
Total Coliform (TC) CFU	2225	3900	1200
Turbidity NTU	14.70	27.20	9.20

# PEACE RIVER

(Peace Creek 10)

## BARTOW

### Water Quality Index



Years



STA NAME: P.C. CANAL10

# Annual Stream Water Quality Data

**Sampling Site:** Peace River1

**FDEP WBID:** 1623J

**Sampling Site Location:** Bridge On Hwy 640 E Of SR 17 Homeland

**City:** Homeland

**Drainage Basin:** Peace River

**T-R:** 31 - 25

**Eco Region:** 75b - Southwestern Florida Flatwoods

**River Length in Polk County(Ft):** 136,030

**Navigability:** Yes; by canoe or jon boat

**Misc Information about this watersystem:**

**Drains To:** Peace River

## Current year water quality information

**Year** 2005

**WQI:** 32.95

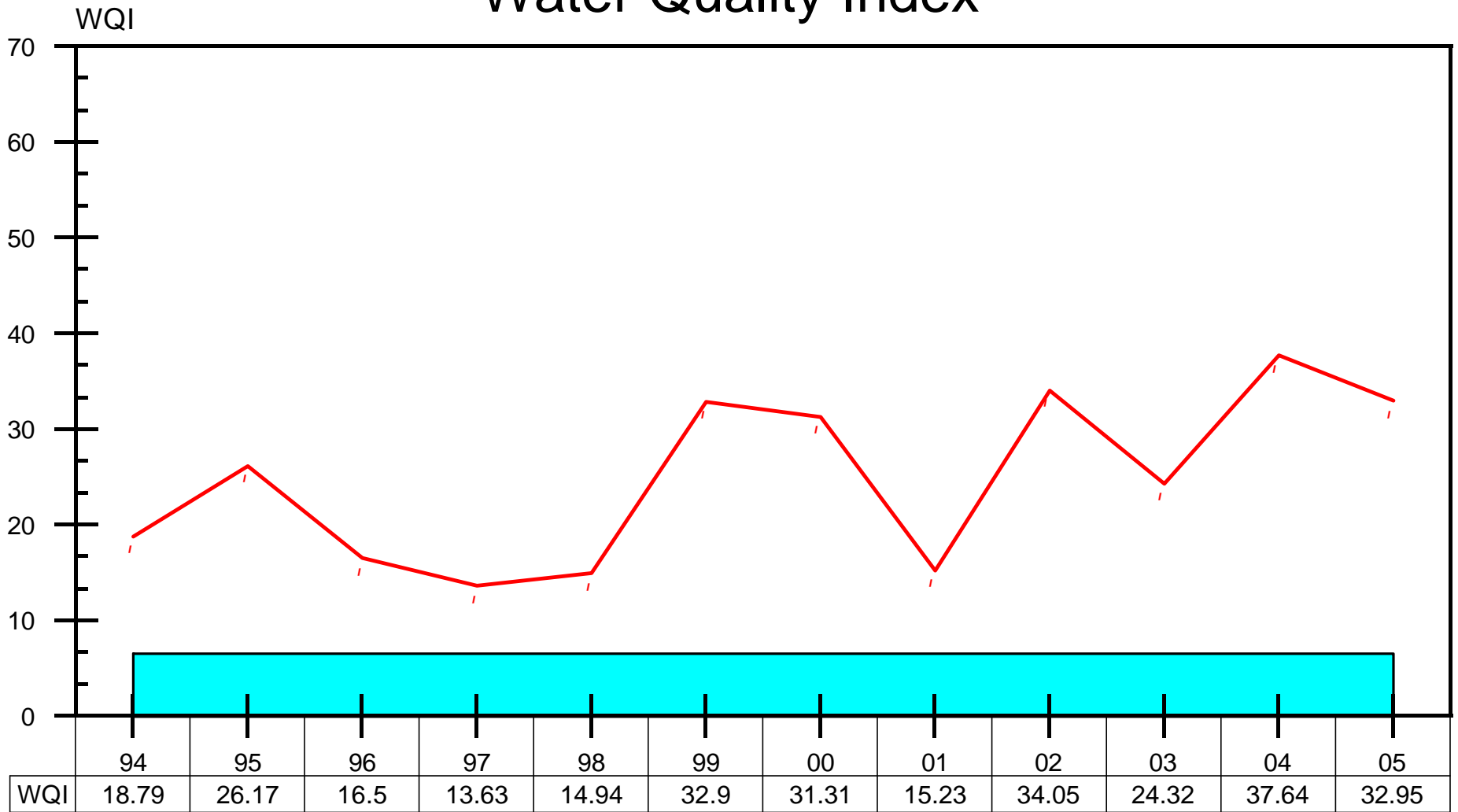
**Impaired Waterbody**

### Water Quality Statements:

This creek segment is listed on the FDEP group 3 basin high priority list for fecal coliform with a TMDL drafted in August 2005.

<u>Parameter, Unit:</u>	<u>Average</u>	<u>Maximum</u>	<u>Minimum</u>
Chlorophyll a mg/m3	32.20	41.66	17.99
Chlorophyll a (Corrected) mg/m3	24.35	29.80	13.62
Color Pt-Co	172	200	150
Conductivity @ 25C umhos/cm	244	355	185
Dissolved Oxygen (DO) mg/l	3.66	4.82	1.70
Fecal Coliform (FC) CFU	323	650	120
Nitrogen ammonia (NH3) mg/l	0.189	0.358	0.052
Nitrogen Kjeldahl (TKN) mg/l	2.144	2.440	1.799
Nitrogen Nitrate+Nitrite (NOx) mg/l	0.948	1.893	0.131
Nitrogen Total (TN) mg/l	3.09	4.33	1.93
pH Std Unit	6.65	7.03	6.30
Phosphorus Total (TP) mg/l	1.305	1.849	0.784
Temperature deg C	22.88	27.80	17.75
Total Coliform (TC) CFU	1973	4100	820
Turbidity NTU	10.20	15.50	7.00

# PEACE RIVER 1 HOMELAND Water Quality Index



Years



STA NAME: PEACE RIVER1

# Annual Stream Water Quality Data

**Sampling Site:** Poley Creek North

**FDEP WBID:** 1583

**Sampling Site Location:** W on Pipkin; R on S Pipkin Rd 1/4 Mile of R, Sample at staff gage approx 50' E from road

**City:** Mulberry

**Drainage Basin:** Alafia River

**T-R:** 29 - 23

**Eco Region:** 75b - Southwestern Florida Flatwoods

**River Length in Polk County(Ft):** 42,503

**Navigability:**

**Misc Information about this watersystem:**

**Drains To:** Tampa Bay

Added in Group 1 stream sampling 12/00

## Current year water quality information

**Year** 2005

**WQI:** 15.46

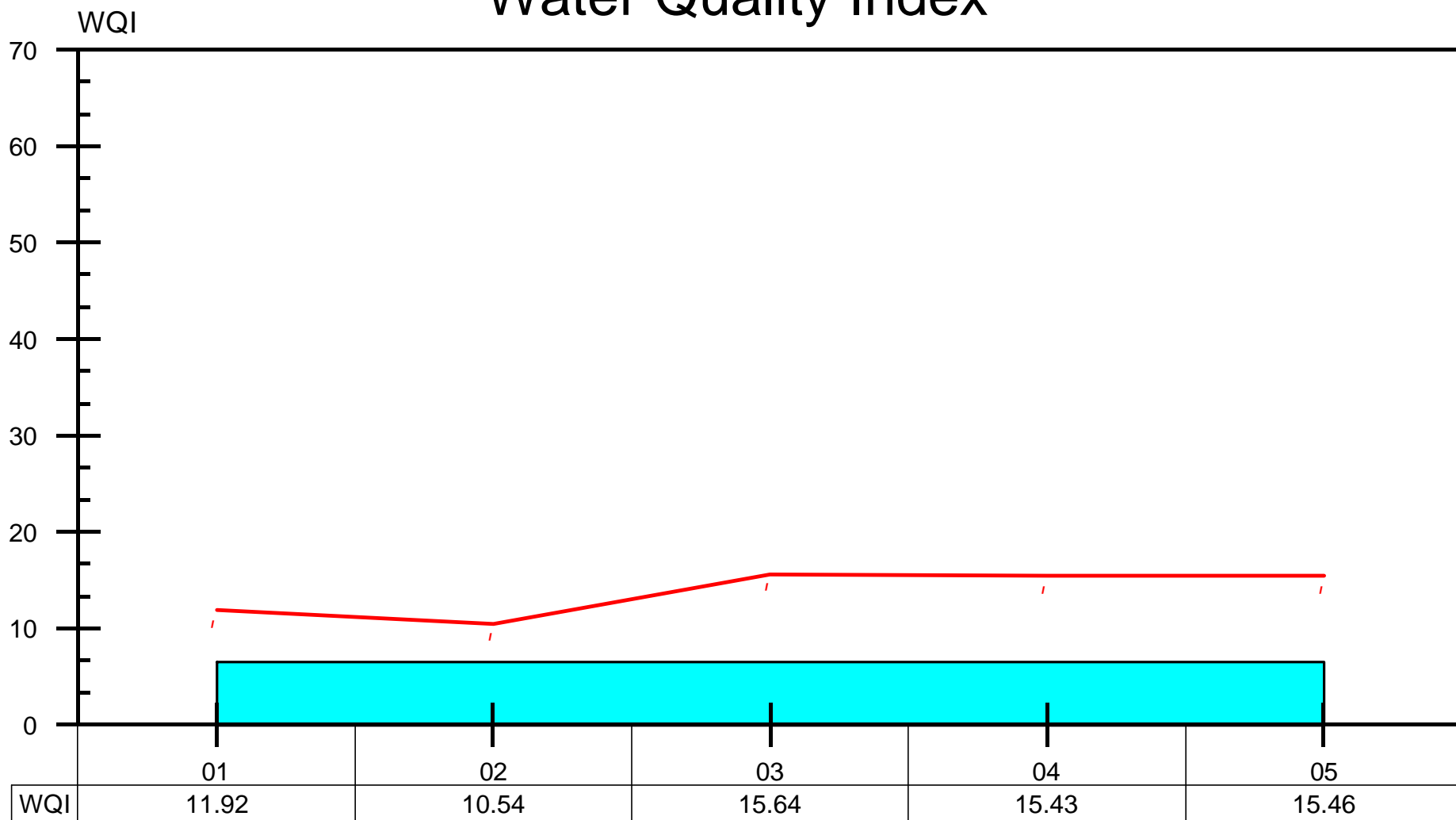
**Impaired Waterbody**

### Water Quality Statements:

Poley Creek is listed on the FDEP medium priority list for dissolved oxygen.

<u>Parameter, Unit:</u>	<u>Average</u>	<u>Maximum</u>	<u>Minimum</u>
Chlorophyll a mg/m3	2.78	5.05	1.50
Chlorophyll a (Corrected) mg/m3	1.58	1.75	1.50
Color Pt-Co	74	175	34
Conductivity @ 25C umhos/cm	263	307	194
Dissolved Oxygen (DO) mg/l	7.27	8.89	5.72
Fecal Coliform (FC) CFU	388	660	250
Nitrogen ammonia (NH3) mg/l	0.035	0.051	0.014
Nitrogen Kjeldahl (TKN) mg/l	0.636	1.017	0.431
Nitrogen Nitrate+Nitrite (NOx) mg/l	0.248	0.317	0.118
Nitrogen Total (TN) mg/l	0.89	1.14	0.72
pH Std Unit	7.11	7.21	6.92
Phosphorus Total (TP) mg/l	0.667	1.220	0.389
Temperature Deg C	20.23	26.46	13.71
Total Coliform (TC) CFU	2360	3700	440
Turbidity NTU	7.11	14.50	3.70

# POLEY CREEK N MULBERRY Water Quality Index



Years



STA NAME: POLEY CRK N1

# Annual Stream Water Quality Data

**Sampling Site:** Poley Creek South

**FDEP WBID:** 1583

**Sampling Site Location:** Bridge on SR60 1/2 mile E of Coronet Rd; W of Mulberry; Easy access on E bound on SR60

**City:** Mulberry

**Drainage Basin:** Alafia River

**T-R:** 29 - 23

**Eco Region:** 75b - Southwestern Florida Flatwoods

**River Length in Polk County(Ft):** 42,503

**Navigability:**

**Misc Information about this watersystem:**

**Drains To:** Tampa Bay

Added in Group 1 stream sampling 12/00

## Current year water quality information

**Year** 2005

**WQI:** 21.91

**Impaired Waterbody**

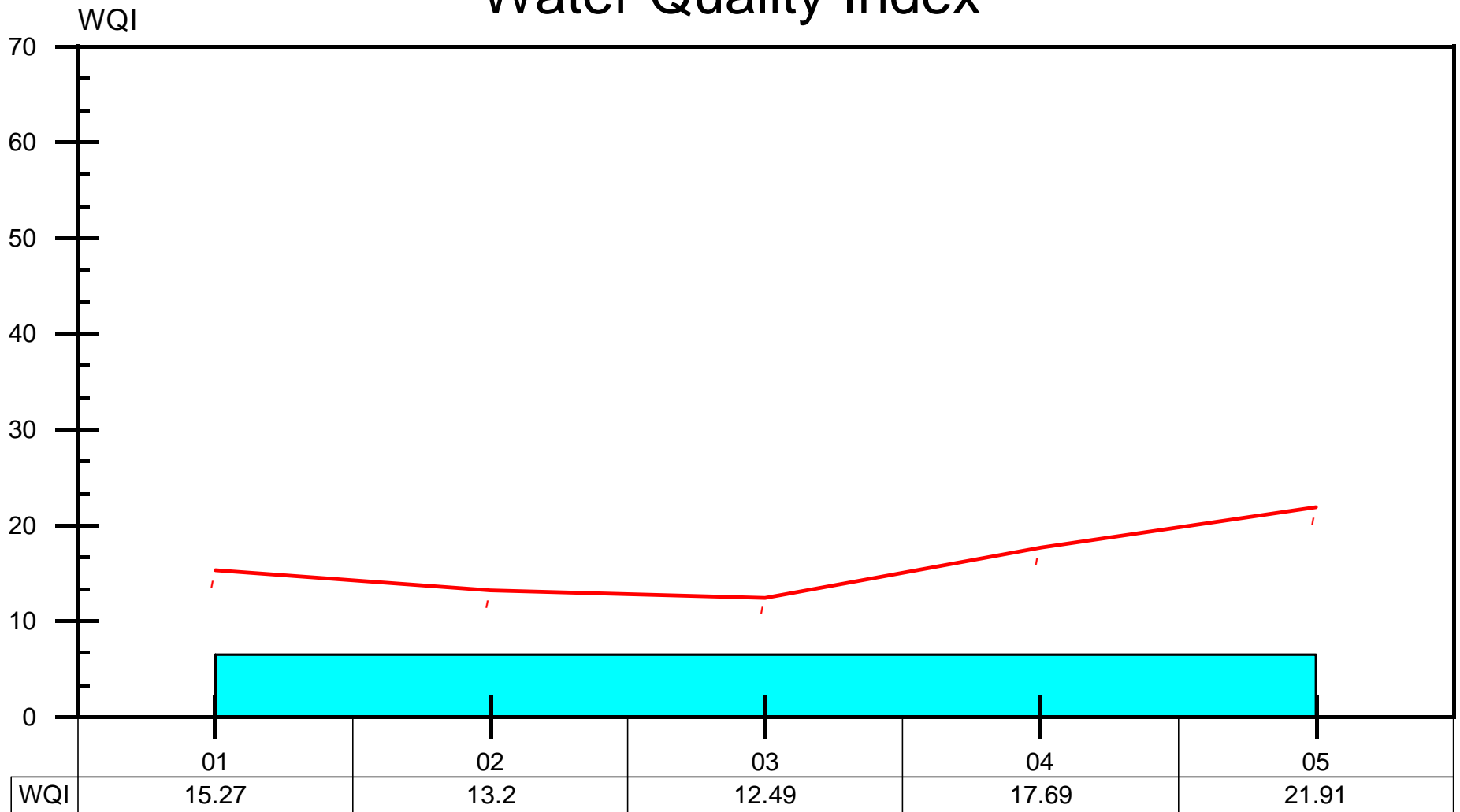
### Water Quality Statements:

Poley Creek is listed on the FDEP medium priority list for dissolved oxygen.

<u>Parameter, Unit:</u>	<u>Average</u>	<u>Maximum</u>	<u>Minimum</u>
Chlorophyll a mg/m3	3.22	4.43	1.50
Chlorophyll a (Corrected) mg/m3	2.67	4.01	1.50
Color Pt-Co	76	175	34
Conductivity @ 25C umhos/cm	236	293	137
Dissolved Oxygen (DO) mg/l	6.97	8.47	5.08
Fecal Coliform (FC) CFU	553	1300	110
Nitrogen ammonia (NH3) mg/l	0.027	0.042	0.015
Nitrogen Kjeldahl (TKN) mg/l	0.988	1.609	0.606
Nitrogen Nitrate+Nitrite (NOx) mg/l	0.243	0.315	0.092
Nitrogen Total (TN) mg/l	1.23	1.92	0.92
pH Std Unit	7.20	7.31	7.00
Phosphorus Total (TP) mg/l	0.973	1.444	0.638
Temperature Deg C	20.98	26.38	15.46
Total Coliform (TC) CFU	1595	4500	260
Turbidity NTU	8.64	14.20	5.40



# POLEY CREEK S MULBERRY Water Quality Index



Years

— WQI    ■ Baseline 6.5

STA NAME: POLEY CRK S2

# Annual Stream Water Quality Data

**Sampling Site:** Reedy Creek

**FDEP WBID:**

**Sampling Site Location:** Arbuckle Rd To Rucks Dairy Rd At Bridge

**City:** East of Frostproof

**Drainage Basin:** Kissimmee River

**T-R:** 32 - 29

**Eco Region:** 75c - Central Florida Ridges and Uplands

**River Length in Polk County(Ft):** 40,921

**Navigability:** Possibly by canoe or jon boat

**Misc Information about this watersystem:**

**Drains To:** Lake Arbuckle

## Current year water quality information

**Year** 2005

**WQI:** 5.75

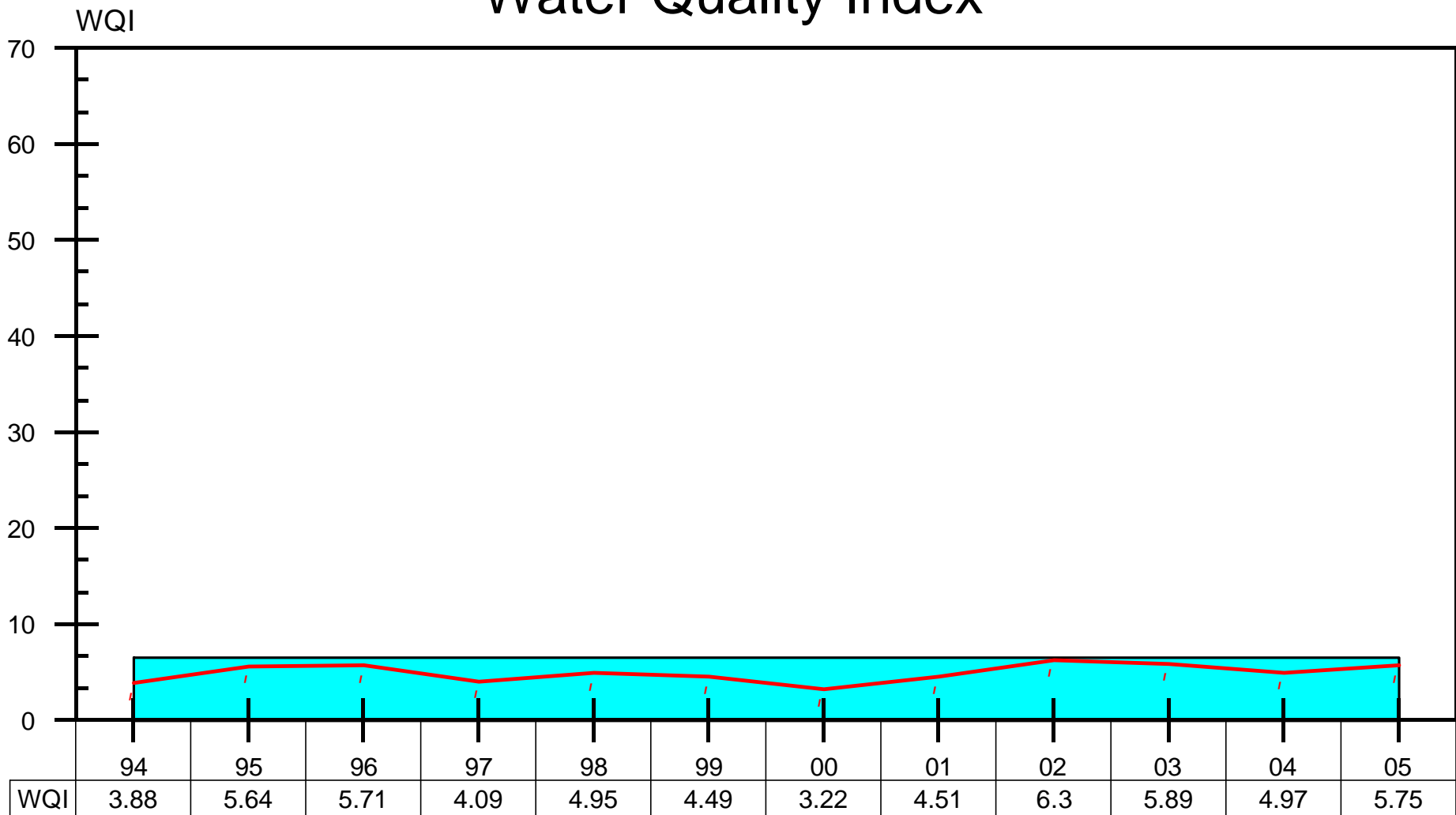
**Impaired Waterbody**

### Water Quality Statements:

There was no creditable difference in the water quality for 2005.

<u>Parameter, Unit:</u>	<u>Average</u>	<u>Maximum</u>	<u>Minimum</u>
Chlorophyll a mg/m3	9.90	14.75	6.83
Chlorophyll a (Corrected) mg/m3	7.63	12.18	1.50
Color Pt-Co	188	300	125
Conductivity @ 25C umhos/cm	175	199	157
Dissolved Oxygen (DO) mg/l	3.84	6.65	2.20
Fecal Coliform (FC) CFU	128	200	50
Nitrogen ammonia (NH3) mg/l	0.067	0.097	0.043
Nitrogen Kjeldahl (TKN) mg/l	1.253	1.326	1.176
Nitrogen Nitrate+Nitrite (NOx) mg/l	0.218	0.379	0.131
Nitrogen Total (TN) mg/l	1.47	1.69	1.32
pH Std Unit	6.50	6.95	6.25
Phosphorus Total (TP) mg/l	0.108	0.167	0.081
Temperature deg C	25.54	29.06	19.41
Total Coliform (TC) CFU	650	1200	380
Turbidity NTU	3.21	4.33	1.03

# REEDY CREEK EAST OF FROSTPROOF Water Quality Index



Years

— WQI    ■ Baseline 6.5

STA NAME: REEDY CREEK1

# Annual Stream Water Quality Data

**Sampling Site:** Reedy Outfall

**FDEP WBID:**

**Sampling Site Location:** Off Lk Reedy Blvd; S at bridge by Reedy Crk Dr;SE side of lake. At bridge on N side

**City:** Frostproof

**Drainage Basin:** Kissimmee River

**T-R:** 32 - 28

**Eco Region:** 75c - Central Florida Ridges and Uplands

**River Length in Polk County(Ft):** 40,921

**Navigability:** Possibly by canoe or jon boat

**Misc Information about this watersystem:**

**Drains To:** Lake Arbuckle

## Current year water quality information

**Year** 2005

**WQI:** 4.90

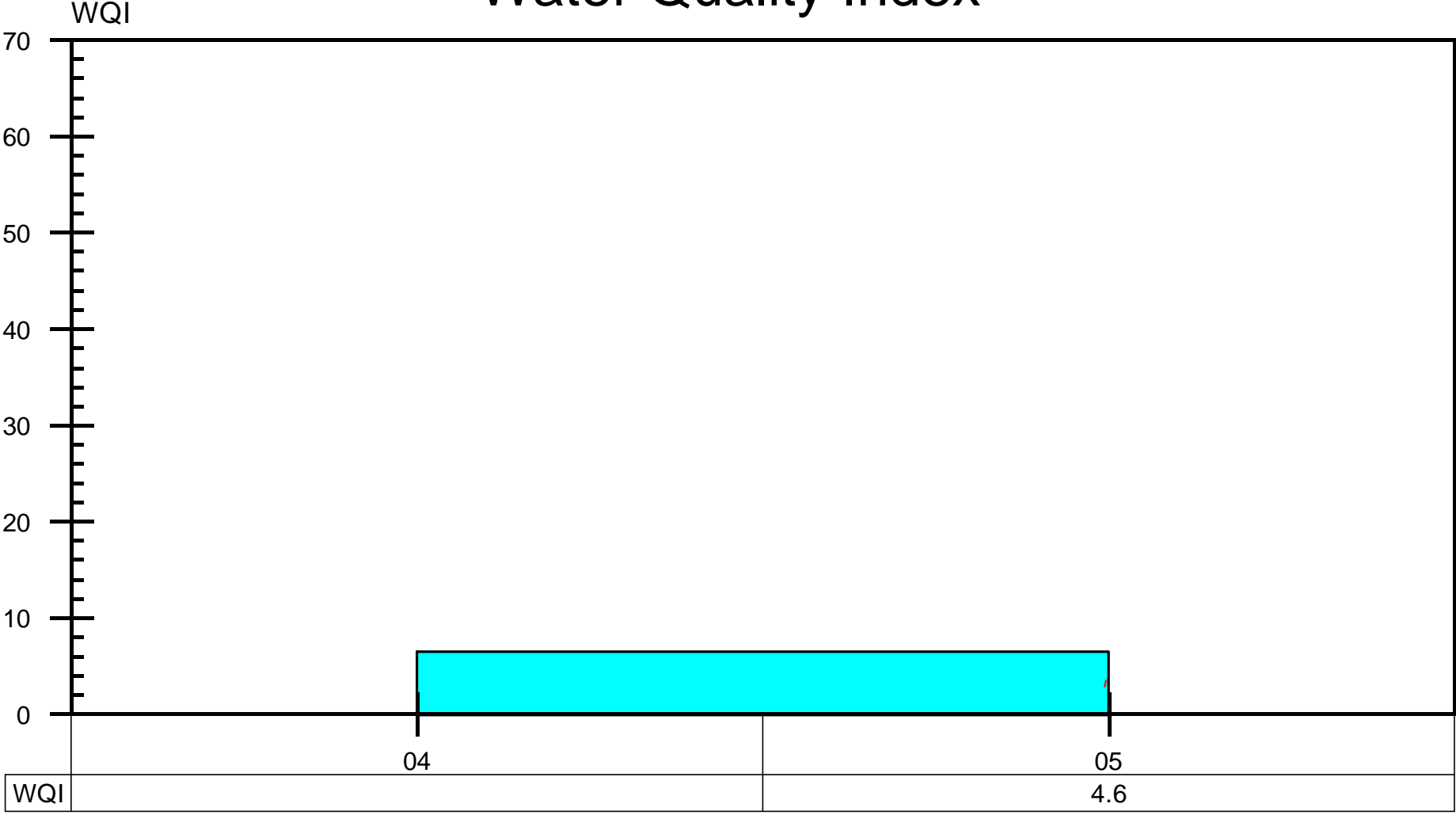
**Impaired Waterbody**

### Water Quality Statements:

There was no creditable difference in the water quality for 2005.

<u>Parameter, Unit:</u>	<u>Average</u>	<u>Maximum</u>	<u>Minimum</u>
Chlorophyll a mg/m3	37.66	49.79	29.82
Chlorophyll a (Corrected) mg/m3	35.89	48.06	29.82
Color Pt-Co	26	30	20
Conductivity @ 25C umhos/cm	199	211	186
Dissolved Oxygen (DO) mg/l	7.13	9.44	5.52
Fecal Coliform (FC) CFU	44	92	11
Nitrogen ammonia (NH3) mg/l	0.030	0.097	0.005
Nitrogen Kjeldahl (TKN) mg/l	1.466	1.647	1.336
Nitrogen Nitrate+Nitrite (NOx) mg/l	0.021	0.057	0.005
Nitrogen Total (TN) mg/l	1.52	1.78	1.35
pH Std Unit	7.07	7.79	6.76
Phosphorus Total (TP) mg/l	0.035	0.042	0.028
Temperature deg C	26.89	30.34	20.38
Total Coliform (TC) CFU	170	240	40
Turbidity NTU	6.45	8.56	5.45

# REEDY OUTFALL FROSTPROOF Water Quality Index



— WQI    ■ Baseline 6.5

STA NAME: REEDY OUTFALL

# Annual Stream Water Quality Data

**Sampling Site:** Saddle Creek Park Outfall

**FDEP WBID:** 1497

**Sampling Site Location:** Control structure SE corner of Saddle Creek Park off of Hwy 92

**City:** Lakeland

**Drainage Basin:** Peace River

**T-R:** 28 - 24

**Eco Region:** 75b - Southwestern Florida Flatwoods

**River Length in Polk County(Ft):** 46,053

**Navigability:**

**Misc Information about this watersystem:**

**Drains To:** Lake Hancock

## Current year water quality information

**Year** 2005

**WQI:**

**Impaired Waterbody**

### Water Quality Statements:

No samples collected due to extremely low flow conditions.

### Parameter, Unit:

### Average

### Maximum

### Minimum

Chlorophyll a mg/m3

Chlorophyll a (Corrected) mg/m3

Color Pt-Co

Conductivity @ 25C umhos/cm

Dissolved Oxygen (DO) mg/l

Fecal Coliform (FC) CFU

Nitrogen ammonia (NH3) mg/l

Nitrogen Kjeldahl (TKN) mg/l

Nitrogen Nitrate+Nitrite (NOx) mg/l

Nitrogen Total (TN) mg/l

pH Std Unit

Phosphorus Total (TP) mg/l

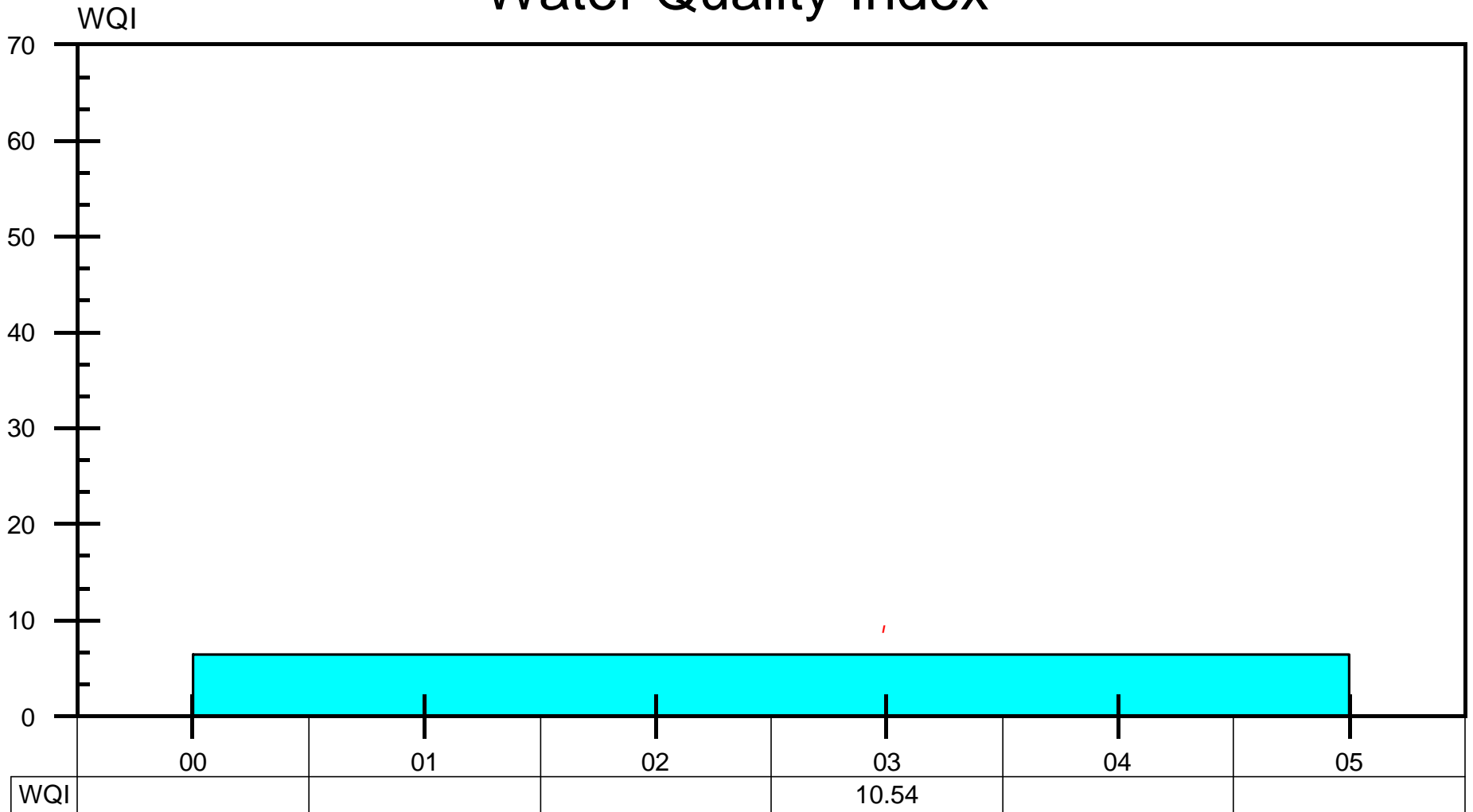
Temperature deg C

Total Coliform (TC) CFU

Turbidity NTU

# SADDLE CREEK PARK OUTFALL LAKELAND

## Water Quality Index



Years

— WQI    ■ Baseline 6.5

STA NAME: SaddleCrkPkOutfall

# Annual Stream Water Quality Data

**Sampling Site:** Saddle Creek1

**FDEP WBID:** 1497

**Sampling Site Location:** Hwy 540 E (Winter Lake Rd) On N Side

**City:** Winter Haven

**Drainage Basin:** Peace River

**T-R:** 28 - 31

**Eco Region:** 75b - Southwestern Florida Flatwoods

**River Length in Polk County(Ft):** 46,053

**Navigability:** yes

**Misc Information about this watersystem:**

**Drains To:** Lake Hancock

CALL 667-0971 for more information about the park.

## Current year water quality information

**Year** 2005

**WQI:** 12.58

**Impaired Waterbody**

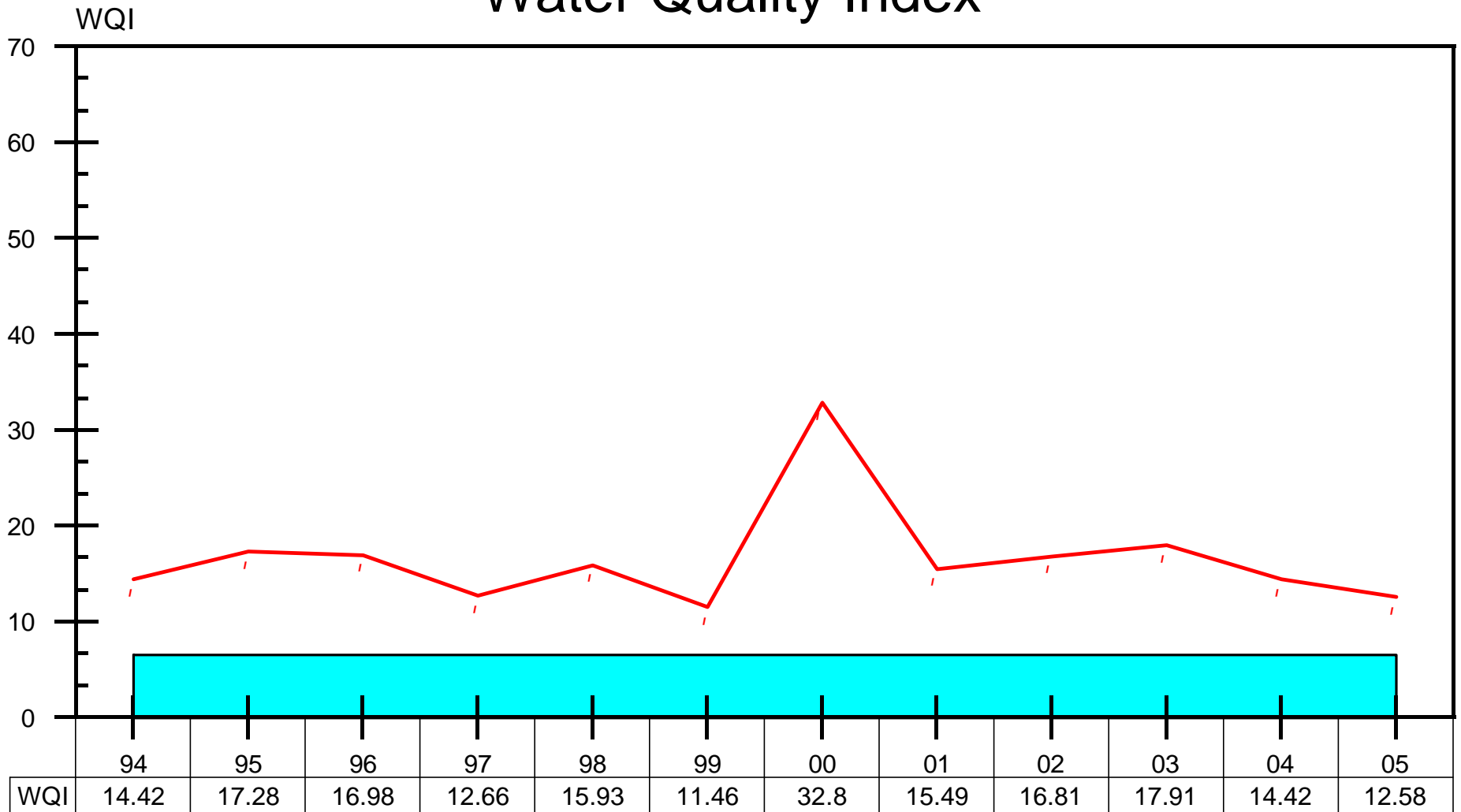
### Water Quality Statements:

There was no creditable difference in the water quality for 2005.

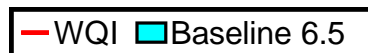
<u>Parameter, Unit:</u>	<u>Average</u>	<u>Maximum</u>	<u>Minimum</u>
Chlorophyll a mg/m3	5.66	6.13	5.19
Chlorophyll a (Corrected) mg/m3	3.72	4.01	3.44
Color Pt-Co	100	100	100
Conductivity @ 25C umhos/cm	209	238	180
Dissolved Oxygen (DO) mg/l	2.86	3.48	2.23
Fecal Coliform (FC) CFU	305	510	99
Nitrogen ammonia (NH3) mg/l	0.038	0.050	0.026
Nitrogen Kjeldahl (TKN) mg/l	0.974	1.045	0.903
Nitrogen Nitrate+Nitrite (NOx) mg/l	0.142	0.173	0.111
Nitrogen Total (TN) mg/l	1.12	1.22	1.01
pH Std Unit	7.20	7.54	6.85
Phosphorus Total (TP) mg/l	0.454	0.479	0.429
Temperature deg C	24.44	29.08	19.80
Total Coliform (TC) CFU	2600	3300	1900
Turbidity NTU	3.71	3.80	3.61



# SADDLE CREEK WEST OF WINTER HAVEN Water Quality Index



Years



STA NAME: SADDLE CREEK1

# Annual Stream Water Quality Data

**Sampling Site:** Teneroc Outfall

**FDEP WBID:** 1973

**Sampling Site Location:** Bridge approx 1/2 mile E of Fish Hatchery Rd on CR546 (Saddle Creek Rd)

**City:** Lakeland

**Drainage Basin:** Peace River

**T-R:** 28 - 24

**Eco Region:** 75b - Southwestern Florida Flatwoods

**River Length in Polk County(Ft):** 46,053

**Navigability:** yes

**Misc Information about this watersystem:**

**Drains To:** Lake Hancock

CALL 667-0971 for more information about the park.

## Current year water quality information

**Year** 2005

**WQI:** 16.44

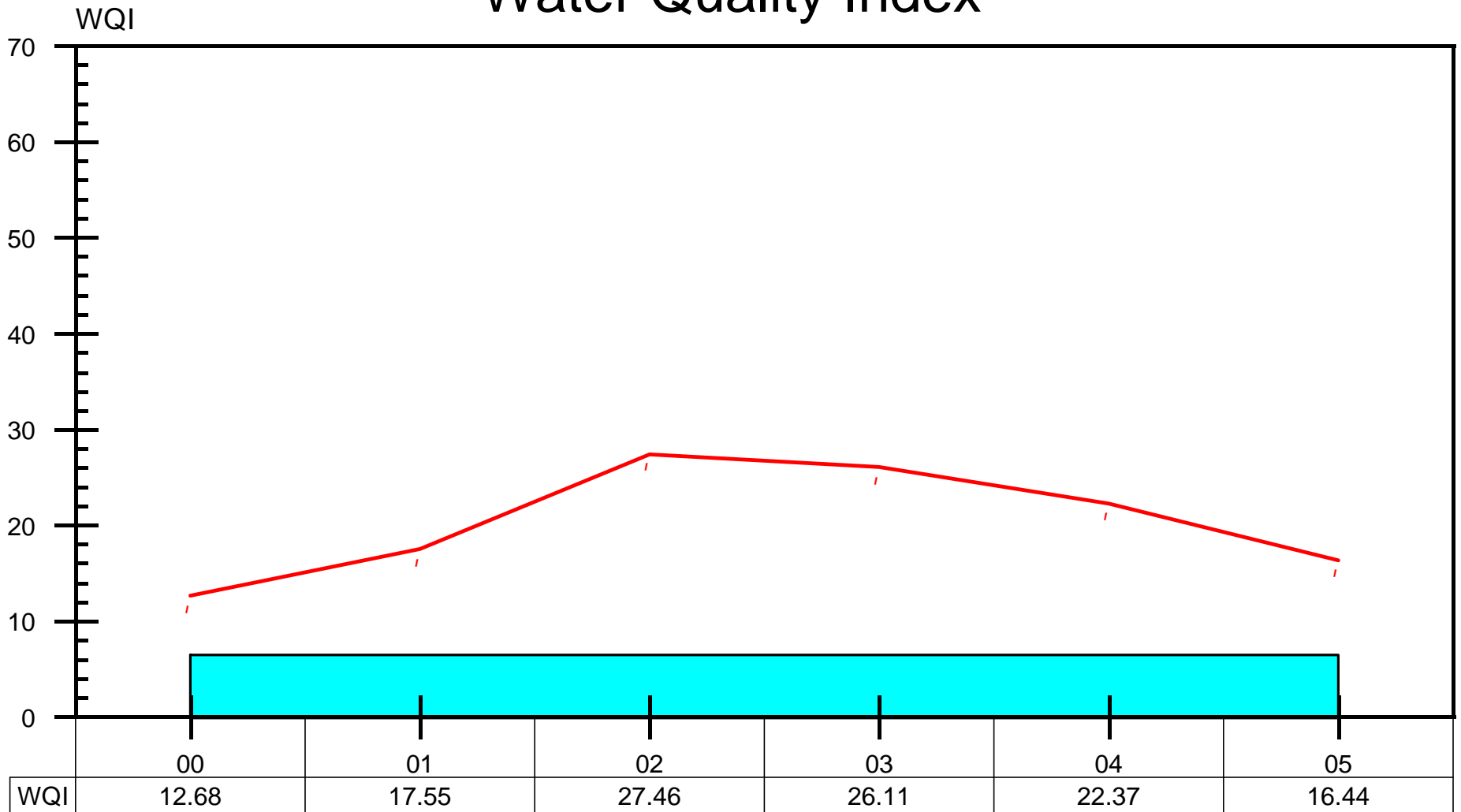
**Impaired Waterbody**

### Water Quality Statements:

There was no creditable difference in the water quality for 2005.

<u>Parameter, Unit:</u>	<u>Average</u>	<u>Maximum</u>	<u>Minimum</u>
Chlorophyll a mg/m3	11.91	16.66	8.51
Chlorophyll a (Corrected) mg/m3	8.61	12.83	5.61
Color Pt-Co	119	140	100
Conductivity @ 25C umhos/cm	218	247	180
Dissolved Oxygen (DO) mg/l	5.28	6.63	3.56
Fecal Coliform (FC) CFU	165	415	45
Nitrogen ammonia (NH3) mg/l	0.186	0.319	0.102
Nitrogen Kjeldahl (TKN) mg/l	1.255	1.364	1.155
Nitrogen Nitrate+Nitrite (NOx) mg/l	0.122	0.199	0.056
Nitrogen Total (TN) mg/l	1.38	1.54	1.21
pH Std Unit	7.07	8.05	6.36
Phosphorus Total (TP) mg/l	0.616	0.685	0.580
Temperature deg C	21.57	29.19	14.97
Total Coliform (TC) CFU	623	1600	210
Turbidity NTU	4.64	6.82	2.70

# TENEROC OUTFALL LAKELAND Water Quality Index



Years

— WQI    ■ Baseline 6.5

STA NAME: Teneroc Outfall

# Annual Stream Water Quality Data

**Sampling Site:** Tiger Creek

**FDEP WBID:**

**Sampling Site Location:** On Walk In Water Rd Call 813-678-1551

**City:** Frostproof

**Drainage Basin:** Kissimmee River

**T-R:** 31 - 29

**Eco Region:** 75d - Eastern Florida Flatwoods

**River Length in Polk County(Ft):** 46,453

**Navigability:** Possibly by canoe or jon boat

**Misc Information about this watersystem:**

**Drains To:** Lake Weohyakapka

## Current year water quality information

**Year** 2005

**WQI:** 4.73

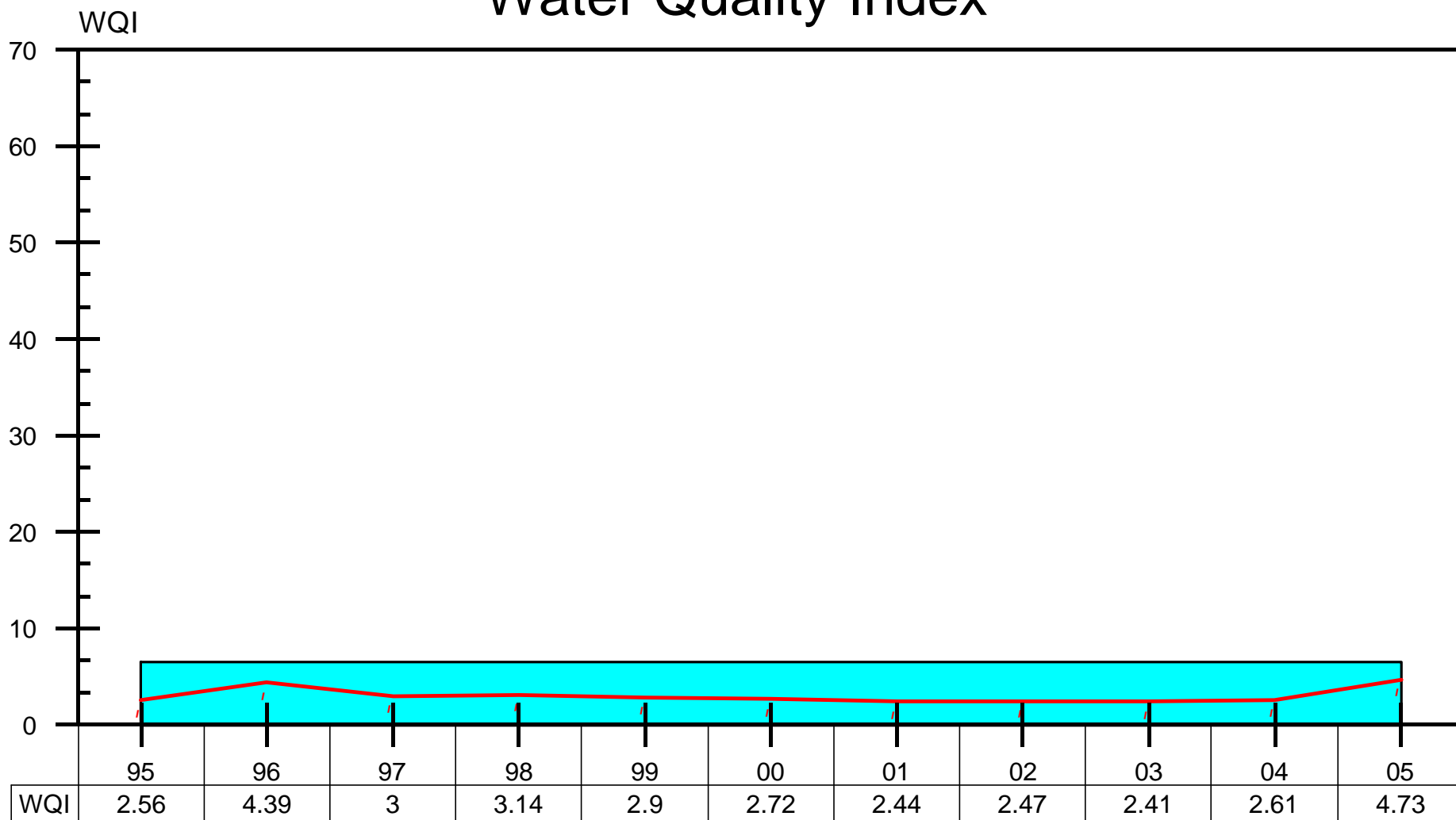
**Impaired Waterbody**

### Water Quality Statements:

There was no creditable difference in the water quality for 2005.

<u>Parameter, Unit:</u>	<u>Average</u>	<u>Maximum</u>	<u>Minimum</u>
Chlorophyll a mg/m3	1.68	3.20	0.50
Chlorophyll a (Corrected) mg/m3	1.44	1.50	1.25
Color Pt-Co	238	300	175
Conductivity @ 25C umhos/cm	141	161	126
Dissolved Oxygen (DO) mg/l	4.13	6.16	2.32
Fecal Coliform (FC) CFU	110	190	60
Nitrogen ammonia (NH3) mg/l	0.053	0.109	0.005
Nitrogen Kjeldahl (TKN) mg/l	0.890	1.095	0.675
Nitrogen Nitrate+Nitrite (NOx) mg/l	0.146	0.340	0.042
Nitrogen Total (TN) mg/l	1.04	1.14	0.82
pH Std Unit	6.38	6.67	6.15
Phosphorus Total (TP) mg/l	0.103	0.164	0.048
Temperature deg C	23.12	28.09	18.49
Total Coliform (TC) CFU	435	750	160
Turbidity NTU	1.13	2.16	0.42

# TIGER CREEK FROSTPROOF Water Quality Index



Years

— WQI    ■ Baseline 6.5

STA NAME: TIGER CREEK3

# Annual Stream Water Quality Data

**Sampling Site:** W Bowlegs Creek

**FDEP WBID:** 1623(J)

**Sampling Site Location:** Where 657 crosses Bowlegs S of Ft Meade E of US17

**City:** S of Ft Meade

**Drainage Basin:** Peace River

**T-R:** 32 - 25

**Eco Region:** 75b - Southwestern Florida Flatwoods

**River Length in Polk County(Ft):**

**Navigability:**

**Misc Information about this watersystem:**

**Drains To:** Peace River

## Current year water quality information

**Year** 2005

**WQI:** 10.40

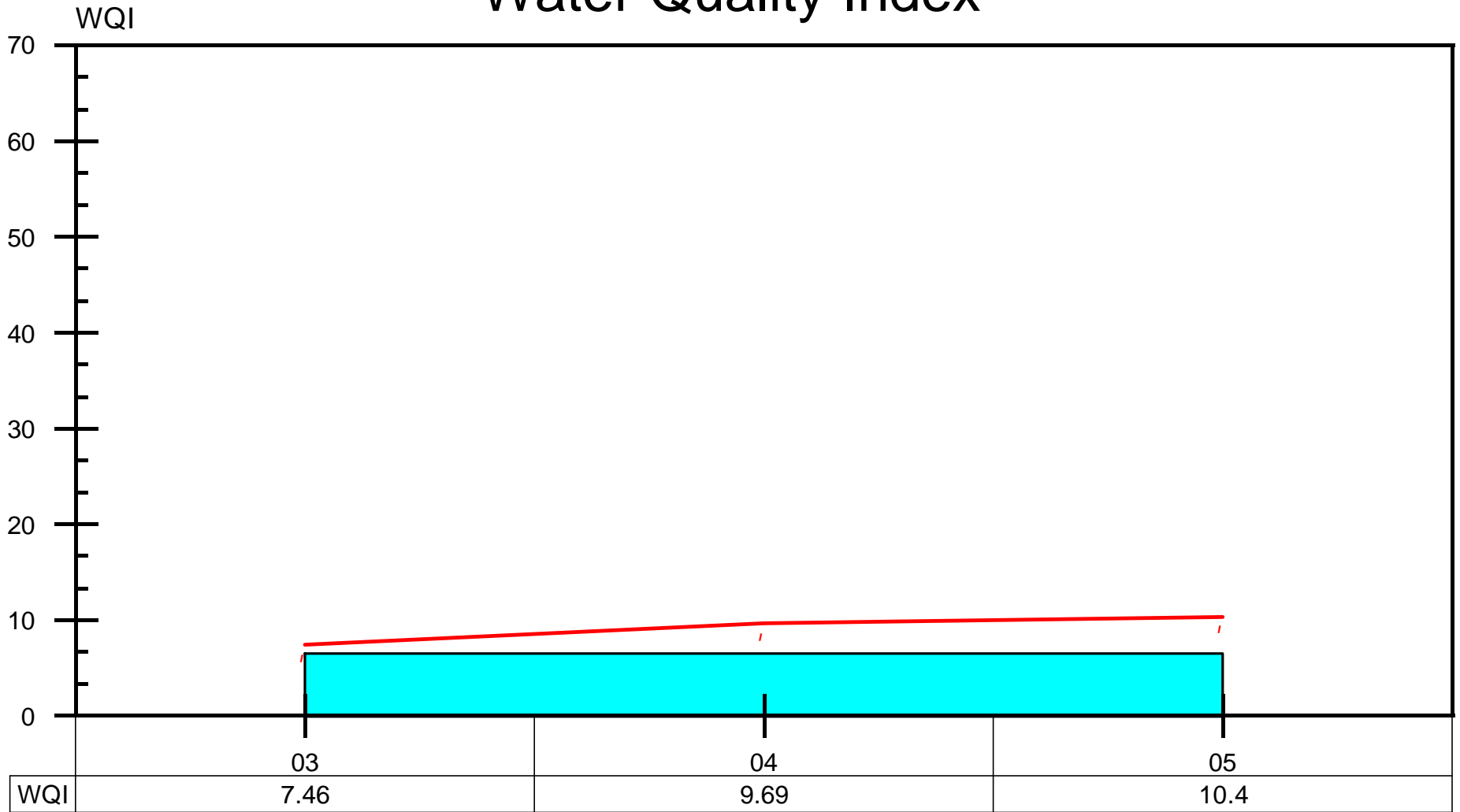
**Impaired Waterbody**

### Water Quality Statements:

This creek segment is listed on the FDEP group 3 basin high priority list for fecal coliform with a TMDL drafted in August 2005.

<u>Parameter, Unit:</u>	<u>Average</u>	<u>Maximum</u>	<u>Minimum</u>
Chlorophyll a mg/m3	2.80	6.68	1.50
Chlorophyll a (Corrected) mg/m3	2.13	4.01	1.50
Color Pt-Co	260	350	165
Conductivity @ 25C umhos/cm	138	200	91
Dissolved Oxygen (DO) mg/l	6.17	8.07	4.53
Fecal Coliform (FC) CFU	975	3500	120
Nitrogen ammonia (NH3) mg/l	0.029	0.037	0.019
Nitrogen Kjeldahl (TKN) mg/l	1.161	1.291	1.040
Nitrogen Nitrate+Nitrite (NOx) mg/l	0.469	1.088	0.036
Nitrogen Total (TN) mg/l	1.63	2.38	1.20
pH Std Unit	6.75	7.62	6.20
Phosphorus Total (TP) mg/l	0.387	0.701	0.274
Temperature deg C	22.88	27.61	17.90
Total Coliform (TC) CFU	2743	8900	530
Turbidity NTU	5.54	8.10	2.70

# W BOWLEGS CREEK FT MEADE Water Quality Index



Years

— WQI    ■ Baseline 6.5

STA NAME: W BOWLEGS CRK

# Annual Stream Water Quality Data

**Sampling Site:** Withlachooshee River

**FDEP WBID:**

**Sampling Site Location:** Under Bridge On SR 471 3 mile N Of Hwy 98 N

**City:** Green Swamp

**Drainage Basin:** Withlacooshee River

**T-R:** 25 - 23

**Eco Region:** 75b - Southwestern Florida Flatwoods

**River Length in Polk County(Ft):** 81,925

**Navigability:** Possibly by canoe or jon boat

**Misc Information about this watersystem:**

**Drains To:** Withlacooshee River

## Current year water quality information

**Year** 2005

**WQI:** 3.97

**Impaired Waterbody**

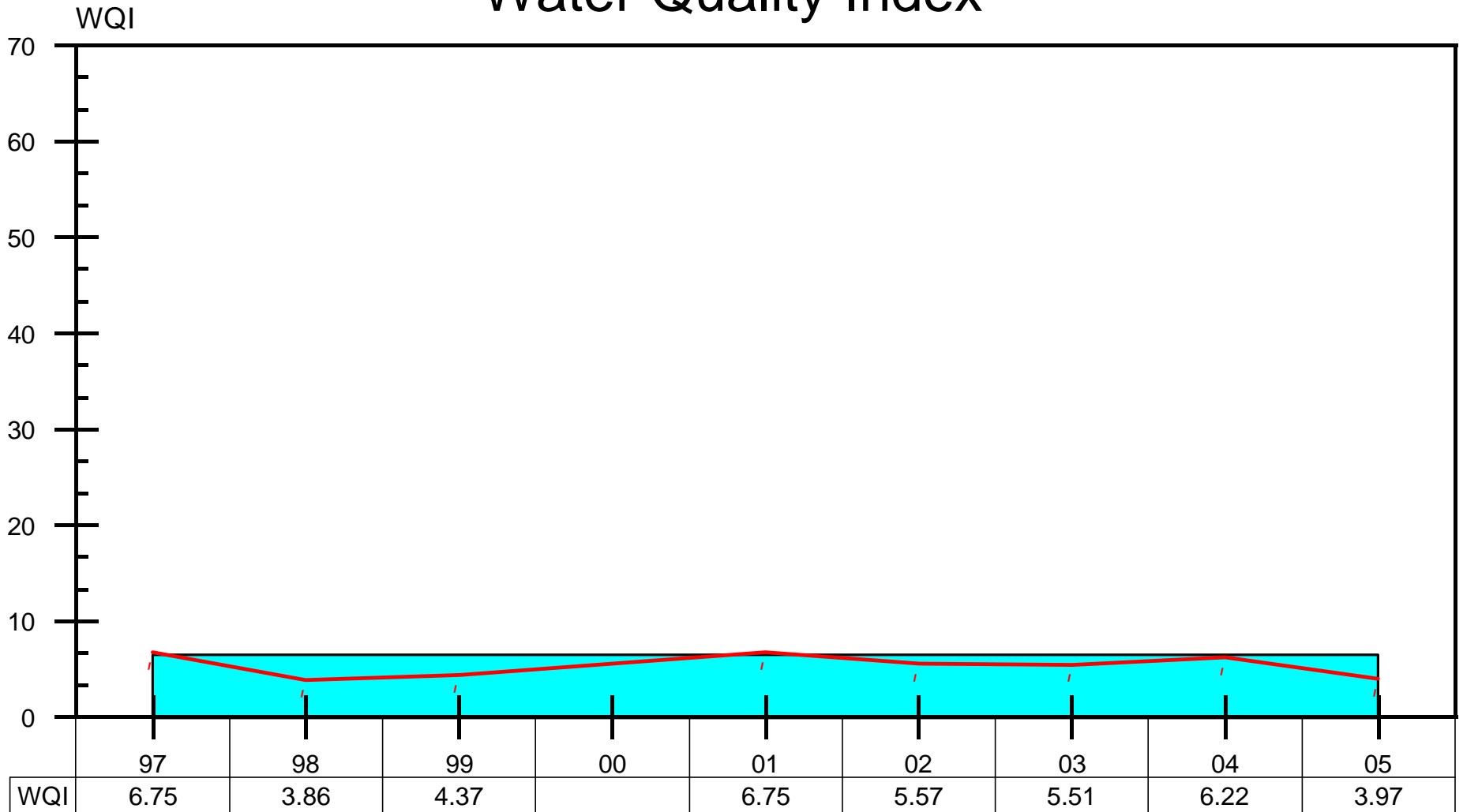
### Water Quality Statements:

There was no creditable difference in the water quality for 2005.

<u>Parameter, Unit:</u>	<u>Average</u>	<u>Maximum</u>	<u>Minimum</u>
Chlorophyll a mg/m3	1.25	1.50	0.50
Chlorophyll a (Corrected) mg/m3	1.44	1.50	1.25
Color Pt-Co	350	425	275
Conductivity @ 25C umhos/cm	120	194	78
Dissolved Oxygen (DO) mg/l	5.86	7.97	4.63
Fecal Coliform (FC) CFU	56	76	17
Nitrogen ammonia (NH3) mg/l	0.035	0.069	0.015
Nitrogen Kjeldahl (TKN) mg/l	1.376	1.570	1.280
Nitrogen Nitrate+Nitrite (NOx) mg/l	0.036	0.060	0.019
Nitrogen Total (TN) mg/l	1.41	1.59	1.30
pH Std Unit	6.68	7.41	5.87
Phosphorus Total (TP) mg/l	0.080	0.127	0.041
Temperature deg C	19.72	26.84	13.04
Total Coliform (TC) CFU	420	700	190
Turbidity NTU	1.32	2.18	0.53



# WITHLACHOOCHEE RIVER GREEN SWAMP Water Quality Index



Years

— WQI    ■ Baseline 6.5

STA NAME: WITHLACOO RVR1

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