

5.0 Groundwater Quality Analysis Results

The results of the groundwater are presented in this section by comparing the groundwater data across basins, to drinking water standards, and mapping the values at the study area-wide level.

Figures 5-1 through 5-50 present the mapped results of the groundwater data analysis on a study area-wide basis. Indicators are provided for samples that were observed to exceed the Florida drinking water standards.

Comparison to Drinking Water Standards

Fluoride levels were frequently exceeded for the primary fluoride standard in only three locations. These locations were in the Floridan Aquifer in the Estero River portion of the Estero Bay basin, and in the Intermediate and Floridan Aquifers in the Matlacha Pass basin (Table 5-1). A similar pattern was observed for the secondary fluoride standard exceedances, but the exceedances were observed at a greater rate and at more locations (Table 5-2). Overall, the secondary fluoride standards were more often exceeded in the coastal basins for the Floridan and Intermediate aquifers.

Color standards were often exceeded at many locations in the study area (table 5-3). This was particularly true for the Surficial Aquifer, and less frequent color exceedances were observed for the Florida Aquifer.

Sulfate standards were often exceeded in the Floridan Aquifer in the coastal areas of the study area (Table 5-4), and less frequently in the upstream areas.

Nitrite and nitrate standards were rarely exceeded in the groundwater from the study area (Table 5-5). When the nitrite and nitrate standards were exceeded, they were exceeded in the far upstream reaches of the Upper Peace River system.

The pH standards were often exceeded in the Surficial Aquifer groundwater samples collected along the coastal portions of the study area (Table 5-6). These pH standards were rarely exceeded in the deeper aquifers.

Tables 5-7 through 5-11 present a similar set of drinking water standard exceedances analyses, but these tables present the results for a recent 1996 through 2001 time period. Similar results were obtained for this time period and the complete period of record for color and pH drinking water standard exceedances. The smaller sample size for this analysis resulted in only one exceedances for the standards for fluoride and nitrite + nitrate, and hence, it is difficult to interpret these results.

Comparisons Across Basins

The median values of the groundwater samples were calculated for each aquifer and parameter, and they were then ranked across the basins within aquifers. Tables 5-12 through 5-17 present the results of these analyses. Conductivity in the groundwater was observed to be higher along the coast and lower upstream as expected. This was found to be true for each aquifer. Orthophosphate was found to be highest in the Floridan and Intermediate aquifers of the Upper Peace River basins near Bartow. There was a similar spatial trend, but to a lesser degree, in the Surficial Aquifer data. The pH median values were observed to be highest in the Upper Peace River basins in the Floridan and Intermediate aquifers.

Table 5-1 CHNEP Basins and Aquifers Ranked by the Proportion of Fluoride Primary Drinking Water Standard (4 mg/L) Exceedances Period of Record (1983-1996)

CHNEP Basin	Aquifer	Number of Observations	Fluoride Primary Standard Exceedances	f11_prop
Estero Bay - Estero River	FLORIDAN AQUIFER	12	4	0.33333
Matlacha Pass	INTERMEDIATE AQUIFER	17	2	0.11765
Matlacha Pass	FLORIDAN AQUIFER	20	1	0.05000
Charlie Creek	FLORIDAN AQUIFER	1	0	0.00000
Coastal Lower Peace	FLORIDAN AQUIFER	5	0	0.00000
Coastal Venice	FLORIDAN AQUIFER	2	0	0.00000
Cow Pen Slough	FLORIDAN AQUIFER	4	0	0.00000
Donna & Roberts Bays	FLORIDAN AQUIFER	2	0	0.00000
Estero Bay	FLORIDAN AQUIFER	2	0	0.00000
Horse Creek	FLORIDAN AQUIFER	3	0	0.00000
Joshua Creek	FLORIDAN AQUIFER	3	0	0.00000
Lemon Bay	FLORIDAN AQUIFER	1	0	0.00000
Lower Myakka	FLORIDAN AQUIFER	3	0	0.00000
Orange River	FLORIDAN AQUIFER	14	0	0.00000
Payne Creek	FLORIDAN AQUIFER	1	0	0.00000
Peace at Arcadia	FLORIDAN AQUIFER	7	0	0.00000
Peace at Bartow	FLORIDAN AQUIFER	14	0	0.00000
Peace at Zolpho Springs	FLORIDAN AQUIFER	7	0	0.00000
Pine Island Sound	FLORIDAN AQUIFER	4	0	0.00000
Shell Creek	FLORIDAN AQUIFER	2	0	0.00000
Tidal Caloosahatchee	FLORIDAN AQUIFER	3	0	0.00000
Upper Myakka	FLORIDAN AQUIFER	3	0	0.00000
Charlie Creek	INTERMEDIATE AQUIFER	1	0	0.00000
Charlotte Harbor Proper	INTERMEDIATE AQUIFER	15	0	0.00000
Coastal Lower Peace	INTERMEDIATE AQUIFER	41	0	0.00000
Coastal Venice	INTERMEDIATE AQUIFER	9	0	0.00000
Cow Pen Slough	INTERMEDIATE AQUIFER	14	0	0.00000
Donna & Roberts Bays	INTERMEDIATE AQUIFER	7	0	0.00000
Estero Bay	INTERMEDIATE AQUIFER	15	0	0.00000
Estero Bay - Estero River	INTERMEDIATE AQUIFER	4	0	0.00000
Horse Creek	INTERMEDIATE AQUIFER	8	0	0.00000

Table 5-1 CHNEP Basins and Aquifers Ranked by the Proportion of Fluoride Primary Drinking Water Standard (4 mg/L) Exceedances Period of Record (1983-1996)

CHNEP Basin	Aquifer	Number of Observations	Fluoride Primary Standard Exceedances	f11_prop
Joshua Creek	INTERMEDIATE AQUIFER	12	0	0.00000
Lemon Bay	INTERMEDIATE AQUIFER	2	0	0.00000
Lower Myakka	INTERMEDIATE AQUIFER	18	0	0.00000
Orange River	INTERMEDIATE AQUIFER	7	0	0.00000
Peace at Arcadia	INTERMEDIATE AQUIFER	11	0	0.00000
Peace at Bartow	INTERMEDIATE AQUIFER	5	0	0.00000
Peace at Zolpho Springs	INTERMEDIATE AQUIFER	1	0	0.00000
Shell Creek	INTERMEDIATE AQUIFER	6	0	0.00000
Tidal Caloosahatchee	INTERMEDIATE AQUIFER	7	0	0.00000
Upper Myakka	INTERMEDIATE AQUIFER	9	0	0.00000
Charlie Creek	SURFICIAL AQUIFER	2	0	0.00000
Coastal Lower Peace	SURFICIAL AQUIFER	5	0	0.00000
Coastal Venice	SURFICIAL AQUIFER	1	0	0.00000
Cow Pen Slough	SURFICIAL AQUIFER	5	0	0.00000
Estero Bay	SURFICIAL AQUIFER	7	0	0.00000
Estero Bay - Estero River	SURFICIAL AQUIFER	12	0	0.00000
Horse Creek	SURFICIAL AQUIFER	7	0	0.00000
Joshua Creek	SURFICIAL AQUIFER	2	0	0.00000
Lemon Bay	SURFICIAL AQUIFER	2	0	0.00000
Lower Myakka	SURFICIAL AQUIFER	4	0	0.00000
Matlacha Pass	SURFICIAL AQUIFER	16	0	0.00000
Orange River	SURFICIAL AQUIFER	12	0	0.00000
Peace at Arcadia	SURFICIAL AQUIFER	7	0	0.00000
Peace at Bartow	SURFICIAL AQUIFER	4	0	0.00000
Peace at Zolpho Springs	SURFICIAL AQUIFER	5	0	0.00000
Shell Creek	SURFICIAL AQUIFER	3	0	0.00000
Tidal Caloosahatchee	SURFICIAL AQUIFER	9	0	0.00000
Upper Myakka	SURFICIAL AQUIFER	3	0	0.00000

Table 5-2 CHNEP Basins and Aquifers Ranked by the Proportion of Fluoride Secondary Drinking Water Standard (2 mg/L) Exceedances Period of Record (1983-1996)

CHNEP Basin	Aquifer	Number of Observations	Fluoride Secondary Standard Exceedances	f12_prop
Estero Bay - Estero River	FLORIDAN AQUIFER	12	9	0.75000
Cow Pen Slough	FLORIDAN AQUIFER	4	2	0.50000
Matlacha Pass	INTERMEDIATE AQUIFER	17	6	0.35294
Tidal Caloosahatchee	FLORIDAN AQUIFER	3	1	0.33333
Pine Island Sound	FLORIDAN AQUIFER	4	1	0.25000
Coastal Venice	INTERMEDIATE AQUIFER	9	2	0.22222
Upper Myakka	INTERMEDIATE AQUIFER	9	2	0.22222
Charlotte Harbor Proper	INTERMEDIATE AQUIFER	15	3	0.20000
Peace at Arcadia	INTERMEDIATE AQUIFER	11	2	0.18182
Matlacha Pass	FLORIDAN AQUIFER	20	3	0.15000
Coastal Lower Peace	INTERMEDIATE AQUIFER	41	6	0.14634
Cow Pen Slough	INTERMEDIATE AQUIFER	14	2	0.14286
Donna & Roberts Bays	INTERMEDIATE AQUIFER	7	1	0.14286
Horse Creek	INTERMEDIATE AQUIFER	8	1	0.12500
Charlie Creek	FLORIDAN AQUIFER	1	0	0.00000
Coastal Lower Peace	FLORIDAN AQUIFER	5	0	0.00000
Coastal Venice	FLORIDAN AQUIFER	2	0	0.00000
Donna & Roberts Bays	FLORIDAN AQUIFER	2	0	0.00000
Estero Bay	FLORIDAN AQUIFER	2	0	0.00000
Horse Creek	FLORIDAN AQUIFER	3	0	0.00000
Joshua Creek	FLORIDAN AQUIFER	3	0	0.00000
Lemon Bay	FLORIDAN AQUIFER	1	0	0.00000
Lower Myakka	FLORIDAN AQUIFER	3	0	0.00000
Orange River	FLORIDAN AQUIFER	14	0	0.00000
Payne Creek	FLORIDAN AQUIFER	1	0	0.00000
Peace at Arcadia	FLORIDAN AQUIFER	7	0	0.00000
Peace at Bartow	FLORIDAN AQUIFER	14	0	0.00000
Peace at Zolpho Springs	FLORIDAN AQUIFER	7	0	0.00000
Shell Creek	FLORIDAN AQUIFER	2	0	0.00000
Upper Myakka	FLORIDAN AQUIFER	3	0	0.00000
Charlie Creek	INTERMEDIATE AQUIFER	1	0	0.00000

Table 5-2 CHNEP Basins and Aquifers Ranked by the Proportion of Fluoride Secondary Drinking Water Standard (2 mg/L) Exceedances Period of Record (1983-1996)

CHNEP Basin	Aquifer	Number of Observations	Fluoride Secondary Standard Exceedances	f12_prop
Estero Bay	INTERMEDIATE AQUIFER	15	0	0.00000
Estero Bay - Estero River	INTERMEDIATE AQUIFER	4	0	0.00000
Joshua Creek	INTERMEDIATE AQUIFER	12	0	0.00000
Lemon Bay	INTERMEDIATE AQUIFER	2	0	0.00000
Lower Myakka	INTERMEDIATE AQUIFER	18	0	0.00000
Orange River	INTERMEDIATE AQUIFER	7	0	0.00000
Peace at Bartow	INTERMEDIATE AQUIFER	5	0	0.00000
Peace at Zolpho Springs	INTERMEDIATE AQUIFER	1	0	0.00000
Shell Creek	INTERMEDIATE AQUIFER	6	0	0.00000
Tidal Caloosahatchee	INTERMEDIATE AQUIFER	7	0	0.00000
Charlie Creek	SURFICIAL AQUIFER	2	0	0.00000
Coastal Lower Peace	SURFICIAL AQUIFER	5	0	0.00000
Coastal Venice	SURFICIAL AQUIFER	1	0	0.00000
Cow Pen Slough	SURFICIAL AQUIFER	5	0	0.00000
Estero Bay	SURFICIAL AQUIFER	7	0	0.00000
Estero Bay - Estero River	SURFICIAL AQUIFER	12	0	0.00000
Horse Creek	SURFICIAL AQUIFER	7	0	0.00000
Joshua Creek	SURFICIAL AQUIFER	2	0	0.00000
Lemon Bay	SURFICIAL AQUIFER	2	0	0.00000
Lower Myakka	SURFICIAL AQUIFER	4	0	0.00000
Matlacha Pass	SURFICIAL AQUIFER	16	0	0.00000
Orange River	SURFICIAL AQUIFER	12	0	0.00000
Peace at Arcadia	SURFICIAL AQUIFER	7	0	0.00000
Peace at Bartow	SURFICIAL AQUIFER	4	0	0.00000
Peace at Zolpho Springs	SURFICIAL AQUIFER	5	0	0.00000
Shell Creek	SURFICIAL AQUIFER	3	0	0.00000
Tidal Caloosahatchee	SURFICIAL AQUIFER	9	0	0.00000
Upper Myakka	SURFICIAL AQUIFER	3	0	0.00000

Table 5-3 CHNEP Basins and Aquifers Ranked by the Proportion of Color Secondary Drinking Water Standard (15 pcu) Exceedances Period of Record (1988-1998)

CHNEP Basin	Aquifer	Number of Observations	Color Secondary Standard Exceedances	color_prop
Donna & Roberts Bays	FLORIDAN AQUIFER	1	1	1.00000
Charlie Creek	INTERMEDIATE AQUIFER	1	1	1.00000
Estero Bay	INTERMEDIATE AQUIFER	2	2	1.00000
Orange River	INTERMEDIATE AQUIFER	2	2	1.00000
Tidal Caloosahatchee	INTERMEDIATE AQUIFER	1	1	1.00000
Coastal Venice	SURFICIAL AQUIFER	3	3	1.00000
Cow Pen Slough	SURFICIAL AQUIFER	2	2	1.00000
Estero Bay	SURFICIAL AQUIFER	2	2	1.00000
Estero Bay - Estero River	SURFICIAL AQUIFER	1	1	1.00000
Joshua Creek	SURFICIAL AQUIFER	1	1	1.00000
Lemon Bay	SURFICIAL AQUIFER	3	3	1.00000
Lower Myakka	SURFICIAL AQUIFER	9	9	1.00000
Matlacha Pass	SURFICIAL AQUIFER	1	1	1.00000
Orange River	SURFICIAL AQUIFER	1	1	1.00000
Peace at Zolpho Springs	SURFICIAL AQUIFER	1	1	1.00000
Telegraph Swamp	INTERMEDIATE AQUIFER	2	2	1.00000
Charlotte Harbor Proper	SURFICIAL AQUIFER	1	1	1.00000
Coastal Lower Peace	SURFICIAL AQUIFER	6	5	0.83333
Shell Creek	SURFICIAL AQUIFER	4	3	0.75000
Peace at Arcadia	SURFICIAL AQUIFER	6	4	0.66667
Upper Myakka	SURFICIAL AQUIFER	3	2	0.66667
Coastal Venice	INTERMEDIATE AQUIFER	8	5	0.62500
Joshua Creek	INTERMEDIATE AQUIFER	11	6	0.54545
Cow Pen Slough	FLORIDAN AQUIFER	6	3	0.50000
Charlotte Harbor Proper	INTERMEDIATE AQUIFER	6	3	0.50000
Upper Myakka	FLORIDAN AQUIFER	6	3	0.50000
Lemon Bay	INTERMEDIATE AQUIFER	2	1	0.50000
Cow Pen Slough	INTERMEDIATE AQUIFER	12	5	0.41667
Upper Myakka	INTERMEDIATE AQUIFER	10	4	0.40000
Shell Creek	INTERMEDIATE AQUIFER	8	3	0.37500
Peace at Arcadia	INTERMEDIATE AQUIFER	11	4	0.36364

Table 5-3 CHNEP Basins and Aquifers Ranked by the Proportion of Color Secondary Drinking Water Standard (15 pcu) Exceedances Period of Record (1988-1998)

CHNEP Basin	Aquifer	Number of Observations	Color Secondary Standard Exceedances	color_prop
Donna & Roberts Bays	INTERMEDIATE AQUIFER	6	2	0.33333
Horse Creek	INTERMEDIATE AQUIFER	6	2	0.33333
Lower Myakka	INTERMEDIATE AQUIFER	21	7	0.33333
Coastal Lower Peace	INTERMEDIATE AQUIFER	43	6	0.13953
Estero Bay - Estero River	FLORIDAN AQUIFER	1	0	0.00000
Matlacha Pass	INTERMEDIATE AQUIFER	2	0	0.00000
Pine Island Sound	FLORIDAN AQUIFER	1	0	0.00000
Matlacha Pass	FLORIDAN AQUIFER	2	0	0.00000
Charlie Creek	FLORIDAN AQUIFER	1	0	0.00000
Coastal Lower Peace	FLORIDAN AQUIFER	10	0	0.00000
Coastal Venice	FLORIDAN AQUIFER	2	0	0.00000
Horse Creek	FLORIDAN AQUIFER	1	0	0.00000
Joshua Creek	FLORIDAN AQUIFER	2	0	0.00000
Lemon Bay	FLORIDAN AQUIFER	1	0	0.00000
Lower Myakka	FLORIDAN AQUIFER	9	0	0.00000
Orange River	FLORIDAN AQUIFER	1	0	0.00000
Payne Creek	FLORIDAN AQUIFER	1	0	0.00000
Peace at Arcadia	FLORIDAN AQUIFER	4	0	0.00000
Peace at Bartow	FLORIDAN AQUIFER	11	0	0.00000
Peace at Zolpho Springs	FLORIDAN AQUIFER	3	0	0.00000
Shell Creek	FLORIDAN AQUIFER	5	0	0.00000
Estero Bay - Estero River	INTERMEDIATE AQUIFER	1	0	0.00000
Peace at Bartow	INTERMEDIATE AQUIFER	1	0	0.00000
Peace at Zolpho Springs	INTERMEDIATE AQUIFER	2	0	0.00000
Charlie Creek	SURFICIAL AQUIFER	2	0	0.00000
Horse Creek	SURFICIAL AQUIFER	2	0	0.00000
Charlotte Harbor Proper	FLORIDAN AQUIFER	1	0	0.00000

Table 5-4 CHNEP Basins and Aquifers Ranked by the Proportion of SO4 Secondary Drinking Water Standard (250 mg/L) Exceedances Period of Record (1983-1993)

CHNEP Basin	Aquifer	Number of Observations	SO4 Secondary Standard Exceedances	so4_prop
Donna & Roberts Bays	FLORIDAN AQUIFER	2	2	1.00000
Cow Pen Slough	FLORIDAN AQUIFER	5	5	1.00000
Estero Bay - Estero River	FLORIDAN AQUIFER	12	12	1.00000
Coastal Venice	FLORIDAN AQUIFER	2	2	1.00000
Lemon Bay	FLORIDAN AQUIFER	1	1	1.00000
Tidal Caloosahatchee	FLORIDAN AQUIFER	3	3	1.00000
Orange River	FLORIDAN AQUIFER	14	13	0.92857
Matlacha Pass	FLORIDAN AQUIFER	20	16	0.80000
Joshua Creek	FLORIDAN AQUIFER	3	2	0.66667
Lower Myakka	FLORIDAN AQUIFER	3	2	0.66667
Donna & Roberts Bays	INTERMEDIATE AQUIFER	7	4	0.57143
Shell Creek	FLORIDAN AQUIFER	2	1	0.50000
Estero Bay	FLORIDAN AQUIFER	2	1	0.50000
Lower Myakka	INTERMEDIATE AQUIFER	13	6	0.46154
Coastal Venice	INTERMEDIATE AQUIFER	9	3	0.33333
Upper Myakka	FLORIDAN AQUIFER	3	1	0.33333
Lemon Bay	INTERMEDIATE AQUIFER	3	1	0.33333
Horse Creek	FLORIDAN AQUIFER	3	1	0.33333
Cow Pen Slough	INTERMEDIATE AQUIFER	16	5	0.31250
Lower Myakka	SURFICIAL AQUIFER	4	1	0.25000
Pine Island Sound	FLORIDAN AQUIFER	4	1	0.25000
Peace at Bartow	SURFICIAL AQUIFER	4	1	0.25000
Coastal Lower Peace	FLORIDAN AQUIFER	5	1	0.20000
Peace at Zolpho Springs	SURFICIAL AQUIFER	6	1	0.16667
Horse Creek	INTERMEDIATE AQUIFER	7	1	0.14286
Coastal Lower Peace	INTERMEDIATE AQUIFER	28	4	0.14286
Peace at Arcadia	FLORIDAN AQUIFER	7	1	0.14286
Peace at Arcadia	INTERMEDIATE AQUIFER	11	1	0.09091
Charlotte Harbor Proper	INTERMEDIATE AQUIFER	14	1	0.07143
Charlie Creek	INTERMEDIATE AQUIFER	1	0	0.00000
Estero Bay	INTERMEDIATE AQUIFER	15	0	0.00000

Table 5-4 CHNEP Basins and Aquifers Ranked by the Proportion of SO₄ Secondary Drinking Water Standard (250 mg/L) Exceedances Period of Record (1983-1993)

CHNEP Basin	Aquifer	Number of Observations	SO ₄ Secondary Standard Exceedances	so4_prop
Orange River	INTERMEDIATE AQUIFER	7	0	0.00000
Tidal Caloosahatchee	INTERMEDIATE AQUIFER	7	0	0.00000
Coastal Venice	SURFICIAL AQUIFER	1	0	0.00000
Cow Pen Slough	SURFICIAL AQUIFER	5	0	0.00000
Estero Bay	SURFICIAL AQUIFER	7	0	0.00000
Estero Bay - Estero River	SURFICIAL AQUIFER	12	0	0.00000
Joshua Creek	SURFICIAL AQUIFER	2	0	0.00000
Lemon Bay	SURFICIAL AQUIFER	3	0	0.00000
Matlacha Pass	SURFICIAL AQUIFER	16	0	0.00000
Orange River	SURFICIAL AQUIFER	12	0	0.00000
Coastal Lower Peace	SURFICIAL AQUIFER	4	0	0.00000
Shell Creek	SURFICIAL AQUIFER	2	0	0.00000
Peace at Arcadia	SURFICIAL AQUIFER	7	0	0.00000
Upper Myakka	SURFICIAL AQUIFER	3	0	0.00000
Joshua Creek	INTERMEDIATE AQUIFER	12	0	0.00000
Upper Myakka	INTERMEDIATE AQUIFER	9	0	0.00000
Shell Creek	INTERMEDIATE AQUIFER	5	0	0.00000
Matlacha Pass	INTERMEDIATE AQUIFER	16	0	0.00000
Charlie Creek	FLORIDAN AQUIFER	1	0	0.00000
Payne Creek	FLORIDAN AQUIFER	1	0	0.00000
Peace at Bartow	FLORIDAN AQUIFER	4	0	0.00000
Peace at Zolpho Springs	FLORIDAN AQUIFER	4	0	0.00000
Estero Bay - Estero River	INTERMEDIATE AQUIFER	4	0	0.00000
Peace at Bartow	INTERMEDIATE AQUIFER	4	0	0.00000
Peace at Zolpho Springs	INTERMEDIATE AQUIFER	1	0	0.00000
Charlie Creek	SURFICIAL AQUIFER	2	0	0.00000
Horse Creek	SURFICIAL AQUIFER	7	0	0.00000
Tidal Caloosahatchee	SURFICIAL AQUIFER	9	0	0.00000

Table 5-5 CHNEP Basins and Aquifers Ranked by the Proportion of NO₂+NO₃ Primary Drinking Water Standard (10 mg/L) Exceedances Period of Record (1985-1996)

CHNEP Basin	Aquifer	Number of Observations	NO ₂₃ Primary Standard Exceedances	no23_prop
Peace at Bartow	SURFICIAL AQUIFER	4	2	0.50000
Peace at Zolpho Springs	SURFICIAL AQUIFER	5	2	0.40000
Peace at Bartow	FLORIDAN AQUIFER	14	1	0.07143
Donna & Roberts Bays	FLORIDAN AQUIFER	2	0	0.00000
Cow Pen Slough	FLORIDAN AQUIFER	2	0	0.00000
Estero Bay - Estero River	FLORIDAN AQUIFER	11	0	0.00000
Coastal Venice	FLORIDAN AQUIFER	2	0	0.00000
Tidal Caloosahatchee	FLORIDAN AQUIFER	3	0	0.00000
Orange River	FLORIDAN AQUIFER	12	0	0.00000
Matlacha Pass	FLORIDAN AQUIFER	18	0	0.00000
Joshua Creek	FLORIDAN AQUIFER	3	0	0.00000
Lower Myakka	FLORIDAN AQUIFER	3	0	0.00000
Donna & Roberts Bays	INTERMEDIATE AQUIFER	3	0	0.00000
Shell Creek	FLORIDAN AQUIFER	2	0	0.00000
Estero Bay	FLORIDAN AQUIFER	2	0	0.00000
Lower Myakka	INTERMEDIATE AQUIFER	10	0	0.00000
Coastal Venice	INTERMEDIATE AQUIFER	4	0	0.00000
Upper Myakka	FLORIDAN AQUIFER	4	0	0.00000
Lemon Bay	INTERMEDIATE AQUIFER	1	0	0.00000
Horse Creek	FLORIDAN AQUIFER	3	0	0.00000
Cow Pen Slough	INTERMEDIATE AQUIFER	6	0	0.00000
Lower Myakka	SURFICIAL AQUIFER	3	0	0.00000
Pine Island Sound	FLORIDAN AQUIFER	4	0	0.00000
Coastal Lower Peace	FLORIDAN AQUIFER	3	0	0.00000
Horse Creek	INTERMEDIATE AQUIFER	3	0	0.00000
Coastal Lower Peace	INTERMEDIATE AQUIFER	21	0	0.00000
Peace at Arcadia	FLORIDAN AQUIFER	7	0	0.00000
Peace at Arcadia	INTERMEDIATE AQUIFER	3	0	0.00000
Charlotte Harbor Proper	INTERMEDIATE AQUIFER	14	0	0.00000
Charlie Creek	INTERMEDIATE AQUIFER	1	0	0.00000
Estero Bay	INTERMEDIATE AQUIFER	14	0	0.00000

Table 5-5 CHNEP Basins and Aquifers Ranked by the Proportion of NO₂+NO₃ Primary Drinking Water Standard (10 mg/L) Exceedances Period of Record (1985-1996)

CHNEP Basin	Aquifer	Number of Observations	NO ₂₃ Primary Standard Exceedances	no23_prop
Orange River	INTERMEDIATE AQUIFER	7	0	0.00000
Tidal Caloosahatchee	INTERMEDIATE AQUIFER	7	0	0.00000
Coastal Venice	SURFICIAL AQUIFER	1	0	0.00000
Cow Pen Slough	SURFICIAL AQUIFER	5	0	0.00000
Estero Bay	SURFICIAL AQUIFER	7	0	0.00000
Estero Bay - Estero River	SURFICIAL AQUIFER	11	0	0.00000
Joshua Creek	SURFICIAL AQUIFER	2	0	0.00000
Lemon Bay	SURFICIAL AQUIFER	1	0	0.00000
Matlacha Pass	SURFICIAL AQUIFER	14	0	0.00000
Orange River	SURFICIAL AQUIFER	11	0	0.00000
Coastal Lower Peace	SURFICIAL AQUIFER	4	0	0.00000
Shell Creek	SURFICIAL AQUIFER	3	0	0.00000
Peace at Arcadia	SURFICIAL AQUIFER	6	0	0.00000
Upper Myakka	SURFICIAL AQUIFER	2	0	0.00000
Joshua Creek	INTERMEDIATE AQUIFER	2	0	0.00000
Upper Myakka	INTERMEDIATE AQUIFER	3	0	0.00000
Shell Creek	INTERMEDIATE AQUIFER	3	0	0.00000
Matlacha Pass	INTERMEDIATE AQUIFER	15	0	0.00000
Charlie Creek	FLORIDAN AQUIFER	1	0	0.00000
Payne Creek	FLORIDAN AQUIFER	1	0	0.00000
Peace at Zolpho Springs	FLORIDAN AQUIFER	7	0	0.00000
Estero Bay - Estero River	INTERMEDIATE AQUIFER	4	0	0.00000
Peace at Bartow	INTERMEDIATE AQUIFER	5	0	0.00000
Peace at Zolpho Springs	INTERMEDIATE AQUIFER	1	0	0.00000
Charlie Creek	SURFICIAL AQUIFER	2	0	0.00000
Horse Creek	SURFICIAL AQUIFER	6	0	0.00000
Tidal Caloosahatchee	SURFICIAL AQUIFER	9	0	0.00000

Table 5-6 CHNEP Basins and Aquifers Ranked by the Proportion of pH Secondary Drinking Water Standard (<6.5 or >8.5) Exceedances Period of Record (1983-1998)

CHNEP Basin	Aquifer	Number of Observations	pH Secondary Standard Exceedances	ph_prop
Peace at Arcadia	SURFICIAL AQUIFER	13	13	1.00000
Charlie Creek	INTERMEDIATE AQUIFER	118	117	0.99153
Upper Myakka	SURFICIAL AQUIFER	84	83	0.98810
Charlie Creek	SURFICIAL AQUIFER	140	138	0.98571
Lemon Bay	SURFICIAL AQUIFER	25	24	0.96000
Peace at Bartow	SURFICIAL AQUIFER	13	12	0.92308
Horse Creek	SURFICIAL AQUIFER	9	7	0.77778
Coastal Lower Peace	SURFICIAL AQUIFER	127	94	0.74016
Peace at Zolpho Springs	SURFICIAL AQUIFER	10	7	0.70000
Estero Bay - Imperial River	SURFICIAL AQUIFER	13	9	0.69231
Joshua Creek	SURFICIAL AQUIFER	3	2	0.66667
Peace at Zolpho Springs	FLORIDAN AQUIFER	7	4	0.57143
Lower Myakka	SURFICIAL AQUIFER	23	8	0.34783
Horse Creek	INTERMEDIATE AQUIFER	8	2	0.25000
Upper Myakka	INTERMEDIATE AQUIFER	14	3	0.21429
Shell Creek	SURFICIAL AQUIFER	10	2	0.20000
Cow Pen Slough	SURFICIAL AQUIFER	28	5	0.17857
Tidal Caloosahatchee	SURFICIAL AQUIFER	12	2	0.16667
Lower Myakka	INTERMEDIATE AQUIFER	30	4	0.13333
Coastal Venice	SURFICIAL AQUIFER	8	1	0.12500
Orange River	SURFICIAL AQUIFER	64	8	0.12500
Peace at Bartow	INTERMEDIATE AQUIFER	8	1	0.12500
Estero Bay	SURFICIAL AQUIFER	10	1	0.10000
Matlacha Pass	SURFICIAL AQUIFER	23	2	0.08696
Peace at Arcadia	FLORIDAN AQUIFER	13	1	0.07692
Joshua Creek	INTERMEDIATE AQUIFER	13	1	0.07692
Matlacha Pass	FLORIDAN AQUIFER	28	2	0.07143
Estero Bay - Estero River	SURFICIAL AQUIFER	65	4	0.06154
Cow Pen Slough	INTERMEDIATE AQUIFER	38	1	0.02632
Orange River	FLORIDAN AQUIFER	70	1	0.01429
Coastal Lower Peace	INTERMEDIATE AQUIFER	122	1	0.00820

Table 5-6 CHNEP Basins and Aquifers Ranked by the Proportion of pH Secondary Drinking Water Standard (<6.5 or >8.5) Exceedances Period of Record (1983-1998)

CHNEP Basin	Aquifer	Number of Observations	pH Secondary Standard Exceedances	ph_prop
Peace at Bartow	FLORIDAN AQUIFER	13	0	0.00000
Donna & Roberts Bays	FLORIDAN AQUIFER	4	0	0.00000
Cow Pen Slough	FLORIDAN AQUIFER	17	0	0.00000
Estero Bay - Estero River	FLORIDAN AQUIFER	23	0	0.00000
Coastal Venice	FLORIDAN AQUIFER	3	0	0.00000
Tidal Caloosahatchee	FLORIDAN AQUIFER	4	0	0.00000
Joshua Creek	FLORIDAN AQUIFER	6	0	0.00000
Lower Myakka	FLORIDAN AQUIFER	20	0	0.00000
Donna & Roberts Bays	INTERMEDIATE AQUIFER	5	0	0.00000
Shell Creek	FLORIDAN AQUIFER	8	0	0.00000
Estero Bay	FLORIDAN AQUIFER	2	0	0.00000
Coastal Venice	INTERMEDIATE AQUIFER	13	0	0.00000
Upper Myakka	FLORIDAN AQUIFER	132	0	0.00000
Lemon Bay	INTERMEDIATE AQUIFER	6	0	0.00000
Horse Creek	FLORIDAN AQUIFER	5	0	0.00000
Pine Island Sound	FLORIDAN AQUIFER	6	0	0.00000
Coastal Lower Peace	FLORIDAN AQUIFER	19	0	0.00000
Peace at Arcadia	INTERMEDIATE AQUIFER	19	0	0.00000
Charlotte Harbor Proper	INTERMEDIATE AQUIFER	67	0	0.00000
Estero Bay	INTERMEDIATE AQUIFER	21	0	0.00000
Orange River	INTERMEDIATE AQUIFER	12	0	0.00000
Tidal Caloosahatchee	INTERMEDIATE AQUIFER	10	0	0.00000
Shell Creek	INTERMEDIATE AQUIFER	10	0	0.00000
Matlacha Pass	INTERMEDIATE AQUIFER	25	0	0.00000
Charlie Creek	FLORIDAN AQUIFER	3	0	0.00000
Payne Creek	FLORIDAN AQUIFER	3	0	0.00000
Estero Bay - Estero River	INTERMEDIATE AQUIFER	7	0	0.00000
Peace at Zolpho Springs	INTERMEDIATE AQUIFER	7	0	0.00000
Lemon Bay	FLORIDAN AQUIFER	2	0	0.00000
Telegraph Swamp	INTERMEDIATE AQUIFER	3	0	0.00000
Charlotte Harbor Proper	SURFICIAL AQUIFER	2	0	0.00000

Table 5-6 CHNEP Basins and Aquifers Ranked by the Proportion of pH Secondary Drinking Water Standard (<6.5 or >8.5) Exceedances Period of Record (1983-1998)

CHNEP Basin	Aquifer	Number of Observations	pH Secondary Standard Exceedances	ph_prop
Charlotte Harbor Proper	FLORIDAN AQUIFER	2	0	0.00000
Pine Island Sound	SURFICIAL AQUIFER	1	0	0.00000

Table 5-7 CHNEP Basins and Aquifers Ranked by the Proportion of Fluoride Primary Drinking Water Standard (4 mg/L) Exceedances Current Period (1996-2001)

CHNEP Basin	Aquifer	Number of Observations	Fluoride Primary Standard Exceedances	f11_prop
Peace at Bartow	FLORIDAN AQUIFER	11	0	0
Peace at Zolpho Springs	FLORIDAN AQUIFER	3	0	0
Coastal Lower Peace	INTERMEDIATE AQUIFER	2	0	0
Horse Creek	INTERMEDIATE AQUIFER	1	0	0
Peace at Bartow	INTERMEDIATE AQUIFER	1	0	0

Table 5-8 CHNEP Basins and Aquifers Ranked by the Proportion of Flouride Secondary Drinking Water Standard (2 mg/L) Exceedances Current Period (1996-2001)

CHNEP Basin	Aquifer	Number of Observations	Fluoride Secondary Standard Exceedances	fl2_prop
Peace at Bartow	FLORIDAN AQUIFER	11	0	0
Peace at Zolpho Springs	FLORIDAN AQUIFER	3	0	0
Coastal Lower Peace	INTERMEDIATE AQUIFER	2	0	0
Horse Creek	INTERMEDIATE AQUIFER	1	0	0
Peace at Bartow	INTERMEDIATE AQUIFER	1	0	0

Table 5-9 CHNEP Basins and Aquifers Ranked by the Proportion of Color Secondary Drinking Water Standard (15 pcu) Exceedances Current Period (1996-2001)

CHNEP Basin	Aquifer	Number of Observations	Color Secondary Standard Exceedances	color_prop
Donna & Roberts Bays	FLORIDAN AQUIFER	1	1	1.00000
Charlie Creek	INTERMEDIATE AQUIFER	1	1	1.00000
Joshua Creek	INTERMEDIATE AQUIFER	1	1	1.00000
Telegraph Swamp	INTERMEDIATE AQUIFER	2	2	1.00000
Tidal Caloosahatchee	INTERMEDIATE AQUIFER	1	1	1.00000
Charlotte Harbor Proper	SURFICIAL AQUIFER	1	1	1.00000
Coastal Venice	SURFICIAL AQUIFER	3	3	1.00000
Cow Pen Slough	SURFICIAL AQUIFER	2	2	1.00000
Joshua Creek	SURFICIAL AQUIFER	1	1	1.00000
Lemon Bay	SURFICIAL AQUIFER	2	2	1.00000
Lower Myakka	SURFICIAL AQUIFER	8	8	1.00000
Peace at Zolpho Springs	SURFICIAL AQUIFER	1	1	1.00000
Shell Creek	SURFICIAL AQUIFER	3	3	1.00000
Coastal Lower Peace	SURFICIAL AQUIFER	6	5	0.83333
Peace at Arcadia	SURFICIAL AQUIFER	5	4	0.80000
Upper Myakka	INTERMEDIATE AQUIFER	4	3	0.75000
Upper Myakka	SURFICIAL AQUIFER	3	2	0.66667
Coastal Venice	INTERMEDIATE AQUIFER	5	3	0.60000
Cow Pen Slough	INTERMEDIATE AQUIFER	5	3	0.60000
Cow Pen Slough	FLORIDAN AQUIFER	6	3	0.50000
Upper Myakka	FLORIDAN AQUIFER	6	3	0.50000
Charlotte Harbor Proper	INTERMEDIATE AQUIFER	4	2	0.50000
Donna & Roberts Bays	INTERMEDIATE AQUIFER	2	1	0.50000
Lemon Bay	INTERMEDIATE AQUIFER	2	1	0.50000
Peace at Arcadia	INTERMEDIATE AQUIFER	3	1	0.33333
Lower Myakka	INTERMEDIATE AQUIFER	10	3	0.30000
Shell Creek	INTERMEDIATE AQUIFER	4	1	0.25000
Coastal Lower Peace	INTERMEDIATE AQUIFER	12	1	0.08333
Peace at Bartow	FLORIDAN AQUIFER	11	0	0.00000
Peace at Zolpho Springs	FLORIDAN AQUIFER	3	0	0.00000
Horse Creek	INTERMEDIATE AQUIFER	1	0	0.00000

Table 5-9 CHNEP Basins and Aquifers Ranked by the Proportion of Color Secondary Drinking Water Standard (15 pcu) Exceedances Current Period (1996-2001)

CHNEP Basin	Aquifer	Number of Observations	Color Secondary Standard Exceedances	color_prop
Peace at Bartow	INTERMEDIATE AQUIFER	1	0	0.00000
Charlie Creek	FLORIDAN AQUIFER	1	0	0.00000
Charlotte Harbor Proper	FLORIDAN AQUIFER	1	0	0.00000
Coastal Lower Peace	FLORIDAN AQUIFER	8	0	0.00000
Coastal Venice	FLORIDAN AQUIFER	2	0	0.00000
Horse Creek	FLORIDAN AQUIFER	1	0	0.00000
Joshua Creek	FLORIDAN AQUIFER	2	0	0.00000
Lemon Bay	FLORIDAN AQUIFER	1	0	0.00000
Lower Myakka	FLORIDAN AQUIFER	9	0	0.00000
Payne Creek	FLORIDAN AQUIFER	1	0	0.00000
Peace at Arcadia	FLORIDAN AQUIFER	4	0	0.00000
Shell Creek	FLORIDAN AQUIFER	5	0	0.00000
Peace at Zolpho Springs	INTERMEDIATE AQUIFER	2	0	0.00000
Charlie Creek	SURFICIAL AQUIFER	2	0	0.00000
Horse Creek	SURFICIAL AQUIFER	1	0	0.00000

Table 5-10 CHNEP Basins and Aquifers Ranked by the Proportion of NO₂+NO₃ Primary Drinking Water Standard (10 mg/L) Exceedances Current Period (1996-2001)

CHNEP Basin	Aquifer	Number of Observations	NO₂ Primary Standard Exceedances	no23_prop
Peace at Bartow	FLORIDAN AQUIFER	11	1	0.090909
Coastal Lower Peace	INTERMEDIATE AQUIFER	2	0	0.000000
Peace at Zolpho Springs	FLORIDAN AQUIFER	3	0	0.000000
Horse Creek	INTERMEDIATE AQUIFER	1	0	0.000000
Peace at Bartow	INTERMEDIATE AQUIFER	1	0	0.000000

Table 5-11 CHNEP Basins and Aquifers Ranked by the Proportion of pH Secondary Drinking Water Standard (<6.5 or >8.5) Exceedances Current Period (1996-2001)

CHNEP Basin	Aquifer	Number of Observations	pH Secondary Standard Exceedances	ph_prop
Charlie Creek	INTERMEDIATE AQUIFER	33	33	1.00000
Joshua Creek	SURFICIAL AQUIFER	1	1	1.00000
Lemon Bay	SURFICIAL AQUIFER	2	2	1.00000
Peace at Arcadia	SURFICIAL AQUIFER	4	4	1.00000
Upper Myakka	SURFICIAL AQUIFER	3	3	1.00000
Horse Creek	SURFICIAL AQUIFER	2	2	1.00000
Peace at Bartow	SURFICIAL AQUIFER	5	5	1.00000
Charlie Creek	SURFICIAL AQUIFER	34	33	0.97059
Peace at Bartow	INTERMEDIATE AQUIFER	2	1	0.50000
Cow Pen Slough	SURFICIAL AQUIFER	2	1	0.50000
Coastal Lower Peace	SURFICIAL AQUIFER	6	3	0.50000
Peace at Zolpho Springs	FLORIDAN AQUIFER	3	1	0.33333
Lower Myakka	SURFICIAL AQUIFER	9	3	0.33333
Peace at Zolpho Springs	SURFICIAL AQUIFER	3	1	0.33333
Coastal Venice	SURFICIAL AQUIFER	4	1	0.25000
Shell Creek	SURFICIAL AQUIFER	4	1	0.25000
Lower Myakka	INTERMEDIATE AQUIFER	9	1	0.11111
Peace at Bartow	FLORIDAN AQUIFER	4	0	0.00000
Coastal Lower Peace	INTERMEDIATE AQUIFER	10	0	0.00000
Horse Creek	INTERMEDIATE AQUIFER	1	0	0.00000
Donna & Roberts Bays	FLORIDAN AQUIFER	1	0	0.00000
Joshua Creek	INTERMEDIATE AQUIFER	1	0	0.00000
Telegraph Swamp	INTERMEDIATE AQUIFER	1	0	0.00000
Tidal Caloosahatchee	INTERMEDIATE AQUIFER	1	0	0.00000
Charlotte Harbor Proper	SURFICIAL AQUIFER	1	0	0.00000
Upper Myakka	INTERMEDIATE AQUIFER	4	0	0.00000
Coastal Venice	INTERMEDIATE AQUIFER	5	0	0.00000
Cow Pen Slough	INTERMEDIATE AQUIFER	5	0	0.00000
Cow Pen Slough	FLORIDAN AQUIFER	4	0	0.00000
Upper Myakka	FLORIDAN AQUIFER	38	0	0.00000
Charlotte Harbor Proper	INTERMEDIATE AQUIFER	4	0	0.00000

Table 5-11 CHNEP Basins and Aquifers Ranked by the Proportion of pH Secondary Drinking Water Standard (<6.5 or >8.5) Exceedances Current Period (1996-2001)

CHNEP Basin	Aquifer	Number of Observations	pH Secondary Standard Exceedances	ph_prop
Donna & Roberts Bays	INTERMEDIATE AQUIFER	2	0	0.00000
Lemon Bay	INTERMEDIATE AQUIFER	2	0	0.00000
Peace at Arcadia	INTERMEDIATE AQUIFER	3	0	0.00000
Shell Creek	INTERMEDIATE AQUIFER	3	0	0.00000
Charlie Creek	FLORIDAN AQUIFER	1	0	0.00000
Charlotte Harbor Proper	FLORIDAN AQUIFER	1	0	0.00000
Coastal Lower Peace	FLORIDAN AQUIFER	6	0	0.00000
Coastal Venice	FLORIDAN AQUIFER	1	0	0.00000
Horse Creek	FLORIDAN AQUIFER	2	0	0.00000
Joshua Creek	FLORIDAN AQUIFER	2	0	0.00000
Lemon Bay	FLORIDAN AQUIFER	1	0	0.00000
Lower Myakka	FLORIDAN AQUIFER	7	0	0.00000
Payne Creek	FLORIDAN AQUIFER	1	0	0.00000
Peace at Arcadia	FLORIDAN AQUIFER	4	0	0.00000
Shell Creek	FLORIDAN AQUIFER	4	0	0.00000
Peace at Zolpho Springs	INTERMEDIATE AQUIFER	4	0	0.00000
Estero Bay - Estero River	FLORIDAN AQUIFER	1	0	0.00000
Matlacha Pass	FLORIDAN AQUIFER	2	0	0.00000
Orange River	FLORIDAN AQUIFER	1	0	0.00000
Pine Island Sound	FLORIDAN AQUIFER	1	0	0.00000
Estero Bay - Estero River	INTERMEDIATE AQUIFER	1	0	0.00000
Matlacha Pass	INTERMEDIATE AQUIFER	2	0	0.00000
Orange River	INTERMEDIATE AQUIFER	2	0	0.00000
Estero Bay	SURFICIAL AQUIFER	1	0	0.00000
Matlacha Pass	SURFICIAL AQUIFER	1	0	0.00000
Orange River	SURFICIAL AQUIFER	1	0	0.00000
Pine Island Sound	SURFICIAL AQUIFER	1	0	0.00000
Tidal Caloosahatchee	SURFICIAL AQUIFER	2	0	0.00000

Table 5-12
 Current Period (1996-2001) Groundwater Status
 Field Conductivity (uS/cm)
 Ranked by Median Value for each Aquifer

Aquifer=FLORIDAN AQUIFER

Aquifer	CHNEP Basin	Median	Number of Observations
FLORIDAN AQUIFER	Lemon Bay	25000.0	1
FLORIDAN AQUIFER	Orange River	4780.0	1
FLORIDAN AQUIFER	Pine Island Sound	4680.0	1
FLORIDAN AQUIFER	Matlacha Pass	4140.0	2
FLORIDAN AQUIFER	Charlotte Harbor Proper	3680.0	1
FLORIDAN AQUIFER	Donna & Roberts Bays	2700.0	1
FLORIDAN AQUIFER	Coastal Venice	2380.0	1
FLORIDAN AQUIFER	Estero Bay - Estero River	2310.0	1
FLORIDAN AQUIFER	Cow Pen Slough	1960.5	4
FLORIDAN AQUIFER	Lower Myakka	1500.0	7
FLORIDAN AQUIFER	Coastal Lower Peace	1177.0	6
FLORIDAN AQUIFER	Upper Myakka	1031.5	38
FLORIDAN AQUIFER	Payne Creek	950.0	1
FLORIDAN AQUIFER	Shell Creek	949.5	4
FLORIDAN AQUIFER	Joshua Creek	927.5	2
FLORIDAN AQUIFER	Horse Creek	873.0	2
FLORIDAN AQUIFER	Peace at Arcadia	686.0	4
FLORIDAN AQUIFER	Peace at Bartow	372.0	4
FLORIDAN AQUIFER	Peace at Zolpho Springs	288.0	3
FLORIDAN AQUIFER	Charlie Creek	229.0	1

Table 5-12
 Current Period (1996-2001) Groundwater Status
 Field Conductivity (uS/cm)
 Ranked by Median Value for each Aquifer

Aquifer=INTERMEDIATE AQUIFER

Aquifer	CHNEP Basin	Median	Number of Observations
INTERMEDIATE AQUIFER	Matlacha Pass	2840.0	2
INTERMEDIATE AQUIFER	Charlotte Harbor Proper	2631.0	4
INTERMEDIATE AQUIFER	Lemon Bay	1843.0	2
INTERMEDIATE AQUIFER	Tidal Caloosahatchee	1748.0	1
INTERMEDIATE AQUIFER	Donna & Roberts Bays	1732.5	2
INTERMEDIATE AQUIFER	Coastal Venice	1319.0	5
INTERMEDIATE AQUIFER	Shell Creek	1090.0	3
INTERMEDIATE AQUIFER	Coastal Lower Peace	1059.5	10
INTERMEDIATE AQUIFER	Cow Pen Slough	973.0	5
INTERMEDIATE AQUIFER	Lower Myakka	938.0	9
INTERMEDIATE AQUIFER	Orange River	886.0	2
INTERMEDIATE AQUIFER	Peace at Arcadia	810.0	3
INTERMEDIATE AQUIFER	Telegraph Swamp	746.0	1
INTERMEDIATE AQUIFER	Estero Bay - Estero River	675.0	1
INTERMEDIATE AQUIFER	Horse Creek	599.0	1
INTERMEDIATE AQUIFER	Upper Myakka	543.0	4
INTERMEDIATE AQUIFER	Joshua Creek	424.0	1
INTERMEDIATE AQUIFER	Peace at Zolpho Springs	365.0	4
INTERMEDIATE AQUIFER	Peace at Bartow	324.5	2
INTERMEDIATE AQUIFER	Charlie Creek	40.0	33

Table 5-12
 Current Period (1996-2001) Groundwater Status
 Field Conductivity (uS/cm)
 Ranked by Median Value for each Aquifer

Aquifer=SURFICIAL AQUIFER

Aquifer	CHNEP Basin	Median	Number of Observations
SURFICIAL AQUIFER	Lemon Bay	1742.05	2
SURFICIAL AQUIFER	Coastal Venice	1542.50	4
SURFICIAL AQUIFER	Charlotte Harbor Proper	1070.00	1
SURFICIAL AQUIFER	Matlacha Pass	950.00	1
SURFICIAL AQUIFER	Shell Creek	837.00	4
SURFICIAL AQUIFER	Coastal Lower Peace	729.00	6
SURFICIAL AQUIFER	Estero Bay	665.00	1
SURFICIAL AQUIFER	Lower Myakka	661.00	9
SURFICIAL AQUIFER	Orange River	554.00	1
SURFICIAL AQUIFER	Tidal Caloosahatchee	545.50	2
SURFICIAL AQUIFER	Pine Island Sound	467.00	1
SURFICIAL AQUIFER	Joshua Creek	357.00	1
SURFICIAL AQUIFER	Cow Pen Slough	343.75	2
SURFICIAL AQUIFER	Peace at Zolpho Springs	320.00	3
SURFICIAL AQUIFER	Peace at Bartow	301.00	5
SURFICIAL AQUIFER	Charlie Creek	219.00	34
SURFICIAL AQUIFER	Peace at Arcadia	183.45	4
SURFICIAL AQUIFER	Upper Myakka	128.00	3
SURFICIAL AQUIFER	Horse Creek	127.25	2

Table 5-13
 Current Period (1996-2001) Groundwater Status
 Dissolved Orthophosphate (mg/L)
 Ranked by Median Value for each Aquifer

Aquifer=FLORIDAN AQUIFER

Aquifer	CHNEP Basin	Median	Number of Observations
FLORIDAN AQUIFER	Peace at Bartow	0.069	4
FLORIDAN AQUIFER	Payne Creek	0.022	1
FLORIDAN AQUIFER	Peace at Zolpho Springs	0.021	3
FLORIDAN AQUIFER	Upper Myakka	0.010	6
FLORIDAN AQUIFER	Shell Creek	0.009	5
FLORIDAN AQUIFER	Joshua Creek	0.008	2
FLORIDAN AQUIFER	Coastal Lower Peace	0.007	8
FLORIDAN AQUIFER	Coastal Venice	0.007	2
FLORIDAN AQUIFER	Horse Creek	0.007	2
FLORIDAN AQUIFER	Cow Pen Slough	0.006	6
FLORIDAN AQUIFER	Estero Bay - Estero River	0.005	1
FLORIDAN AQUIFER	Lower Myakka	0.005	9
FLORIDAN AQUIFER	Orange River	0.005	1
FLORIDAN AQUIFER	Peace at Arcadia	0.005	4
FLORIDAN AQUIFER	Charlie Creek	0.004	1
FLORIDAN AQUIFER	Charlotte Harbor Proper	0.004	1
FLORIDAN AQUIFER	Donna & Roberts Bays	0.004	1
FLORIDAN AQUIFER	Lemon Bay	0.004	1
FLORIDAN AQUIFER	Matlacha Pass	0.004	2
FLORIDAN AQUIFER	Pine Island Sound	0.004	1

Table 5-13
 Current Period (1996-2001) Groundwater Status
 Dissolved Orthophosphate (mg/L)
 Ranked by Median Value for each Aquifer

Aquifer=INTERMEDIATE AQUIFER

Aquifer	CHNEP Basin	Median	Number of Observations
INTERMEDIATE AQUIFER	Peace at Bartow	0.412	2
INTERMEDIATE AQUIFER	Charlie Creek	0.071	1
INTERMEDIATE AQUIFER	Orange River	0.033	2
INTERMEDIATE AQUIFER	Peace at Zolpho Springs	0.012	4
INTERMEDIATE AQUIFER	Telegraph Swamp	0.012	2
INTERMEDIATE AQUIFER	Cow Pen Slough	0.010	5
INTERMEDIATE AQUIFER	Joshua Creek	0.009	1
INTERMEDIATE AQUIFER	Shell Creek	0.009	4
INTERMEDIATE AQUIFER	Tidal Caloosahatchee	0.008	1
INTERMEDIATE AQUIFER	Upper Myakka	0.008	4
INTERMEDIATE AQUIFER	Peace at Arcadia	0.007	3
INTERMEDIATE AQUIFER	Lower Myakka	0.007	10
INTERMEDIATE AQUIFER	Coastal Venice	0.006	5
INTERMEDIATE AQUIFER	Lemon Bay	0.006	2
INTERMEDIATE AQUIFER	Coastal Lower Peace	0.006	10
INTERMEDIATE AQUIFER	Charlotte Harbor Proper	0.004	5
INTERMEDIATE AQUIFER	Donna & Roberts Bays	0.004	2
INTERMEDIATE AQUIFER	Estero Bay - Estero River	0.004	1
INTERMEDIATE AQUIFER	Horse Creek	0.004	1
INTERMEDIATE AQUIFER	Matlacha Pass	0.004	2

Table 5-13
 Current Period (1996-2001) Groundwater Status
 Dissolved Orthophosphate (mg/L)
 Ranked by Median Value for each Aquifer

Aquifer=SURFICIAL AQUIFER

Aquifer	CHNEP Basin	Median	Number of Observations
SURFICIAL AQUIFER	Horse Creek	1.120	2
SURFICIAL AQUIFER	Shell Creek	0.720	4
SURFICIAL AQUIFER	Joshua Creek	0.460	1
SURFICIAL AQUIFER	Charlie Creek	0.375	2
SURFICIAL AQUIFER	Lemon Bay	0.340	2
SURFICIAL AQUIFER	Coastal Venice	0.280	4
SURFICIAL AQUIFER	Peace at Zolpho Springs	0.240	3
SURFICIAL AQUIFER	Coastal Lower Peace	0.191	6
SURFICIAL AQUIFER	Peace at Arcadia	0.099	5
SURFICIAL AQUIFER	Lower Myakka	0.081	9
SURFICIAL AQUIFER	Orange River	0.066	1
SURFICIAL AQUIFER	Peace at Bartow	0.057	5
SURFICIAL AQUIFER	Estero Bay	0.019	1
SURFICIAL AQUIFER	Matlacha Pass	0.015	2
SURFICIAL AQUIFER	Upper Myakka	0.015	3
SURFICIAL AQUIFER	Charlotte Harbor Proper	0.009	1
SURFICIAL AQUIFER	Tidal Caloosahatchee	0.009	2
SURFICIAL AQUIFER	Cow Pen Slough	0.007	2
SURFICIAL AQUIFER	Pine Island Sound	0.004	2

Table 5-14
 Current Period (1996-2001) Groundwater Status
 Field pH
 Ranked by Median Value for each Aquifer

Aquifer=FLORIDAN AQUIFER

Aquifer	CHNEP Basin	Median	Number of Observations
FLORIDAN AQUIFER	Charlie Creek	8.09	1
FLORIDAN AQUIFER	Peace at Zolpho Springs	7.89	3
FLORIDAN AQUIFER	Peace at Bartow	7.62	4
FLORIDAN AQUIFER	Payne Creek	7.54	1
FLORIDAN AQUIFER	Joshua Creek	7.51	2
FLORIDAN AQUIFER	Peace at Arcadia	7.51	4
FLORIDAN AQUIFER	Horse Creek	7.48	2
FLORIDAN AQUIFER	Estero Bay - Estero River	7.47	1
FLORIDAN AQUIFER	Shell Creek	7.45	4
FLORIDAN AQUIFER	Charlotte Harbor Proper	7.44	1
FLORIDAN AQUIFER	Coastal Lower Peace	7.44	6
FLORIDAN AQUIFER	Orange River	7.41	1
FLORIDAN AQUIFER	Upper Myakka	7.38	38
FLORIDAN AQUIFER	Pine Island Sound	7.35	1
FLORIDAN AQUIFER	Lower Myakka	7.30	7
FLORIDAN AQUIFER	Cow Pen Slough	7.19	4
FLORIDAN AQUIFER	Coastal Venice	7.18	1
FLORIDAN AQUIFER	Matlacha Pass	7.14	2
FLORIDAN AQUIFER	Donna & Roberts Bays	7.10	1
FLORIDAN AQUIFER	Lemon Bay	7.07	1

Table 5-14
 Current Period (1996-2001) Groundwater Status
 Field pH
 Ranked by Median Value for each Aquifer

Aquifer=INTERMEDIATE AQUIFER

Aquifer	CHNEP Basin	Median	Number of Observations
INTERMEDIATE AQUIFER	Peace at Bartow	8.63	2
INTERMEDIATE AQUIFER	Joshua Creek	8.13	1
INTERMEDIATE AQUIFER	Estero Bay - Estero River	7.66	1
INTERMEDIATE AQUIFER	Peace at Zolpho Springs	7.65	4
INTERMEDIATE AQUIFER	Horse Creek	7.59	1
INTERMEDIATE AQUIFER	Upper Myakka	7.51	4
INTERMEDIATE AQUIFER	Coastal Lower Peace	7.48	10
INTERMEDIATE AQUIFER	Peace at Arcadia	7.41	3
INTERMEDIATE AQUIFER	Lower Myakka	7.40	9
INTERMEDIATE AQUIFER	Charlotte Harbor Proper	7.34	4
INTERMEDIATE AQUIFER	Shell Creek	7.34	3
INTERMEDIATE AQUIFER	Lemon Bay	7.33	2
INTERMEDIATE AQUIFER	Tidal Caloosahatchee	7.31	1
INTERMEDIATE AQUIFER	Cow Pen Slough	7.29	5
INTERMEDIATE AQUIFER	Coastal Venice	7.25	5
INTERMEDIATE AQUIFER	Donna & Roberts Bays	7.19	2
INTERMEDIATE AQUIFER	Matlacha Pass	7.19	2
INTERMEDIATE AQUIFER	Telegraph Swamp	7.17	1
INTERMEDIATE AQUIFER	Orange River	7.01	2
INTERMEDIATE AQUIFER	Charlie Creek	5.20	33

Table 5-14
 Current Period (1996-2001) Groundwater Status
 Field pH
 Ranked by Median Value for each Aquifer

Aquifer=SURFICIAL AQUIFER

Aquifer	CHNEP Basin	Median	Number of Observations
SURFICIAL AQUIFER	Charlotte Harbor Proper	7.28	1
SURFICIAL AQUIFER	Peace at Zolpho Springs	7.12	3
SURFICIAL AQUIFER	Pine Island Sound	6.99	1
SURFICIAL AQUIFER	Shell Creek	6.91	4
SURFICIAL AQUIFER	Lower Myakka	6.87	9
SURFICIAL AQUIFER	Tidal Caloosahatchee	6.87	2
SURFICIAL AQUIFER	Matlacha Pass	6.80	1
SURFICIAL AQUIFER	Estero Bay	6.75	1
SURFICIAL AQUIFER	Orange River	6.74	1
SURFICIAL AQUIFER	Coastal Venice	6.54	4
SURFICIAL AQUIFER	Lemon Bay	6.33	2
SURFICIAL AQUIFER	Coastal Lower Peace	6.08	6
SURFICIAL AQUIFER	Joshua Creek	5.91	1
SURFICIAL AQUIFER	Charlie Creek	5.87	34
SURFICIAL AQUIFER	Cow Pen Slough	5.85	2
SURFICIAL AQUIFER	Peace at Arcadia	5.74	4
SURFICIAL AQUIFER	Upper Myakka	5.31	3
SURFICIAL AQUIFER	Horse Creek	5.22	2
SURFICIAL AQUIFER	Peace at Bartow	5.19	5

Table 5-15
 Current Period (1996-2001) Groundwater Status
 Total Organic Carbon (mg/L)
 Ranked by Median Value for each Aquifer

Aquifer=FLORIDAN AQUIFER

Aquifer	CHNEP Basin	Median	Number of Observations
FLORIDAN AQUIFER	Horse Creek	2.2	2
FLORIDAN AQUIFER	Peace at Bartow	2.1	4
FLORIDAN AQUIFER	Charlotte Harbor Proper	2.0	1
FLORIDAN AQUIFER	Upper Myakka	2.0	6
FLORIDAN AQUIFER	Coastal Venice	1.9	2
FLORIDAN AQUIFER	Estero Bay - Estero River	1.9	1
FLORIDAN AQUIFER	Cow Pen Slough	1.8	6
FLORIDAN AQUIFER	Lower Myakka	1.8	9
FLORIDAN AQUIFER	Coastal Lower Peace	1.7	8
FLORIDAN AQUIFER	Donna & Roberts Bays	1.7	1
FLORIDAN AQUIFER	Orange River	1.7	1
FLORIDAN AQUIFER	Joshua Creek	1.7	2
FLORIDAN AQUIFER	Payne Creek	1.6	1
FLORIDAN AQUIFER	Peace at Arcadia	1.6	4
FLORIDAN AQUIFER	Peace at Zolpho Springs	1.5	3
FLORIDAN AQUIFER	Pine Island Sound	1.5	1
FLORIDAN AQUIFER	Lemon Bay	1.4	1
FLORIDAN AQUIFER	Shell Creek	1.4	5
FLORIDAN AQUIFER	Charlie Creek	1.1	1
FLORIDAN AQUIFER	Matlacha Pass	1.1	2

Table 5-15
 Current Period (1996-2001) Groundwater Status
 Total Organic Carbon (mg/L)
 Ranked by Median Value for each Aquifer

Aquifer=INTERMEDIATE AQUIFER

Aquifer	CHNEP Basin	Median	Number of Observations
INTERMEDIATE AQUIFER	Telegraph Swamp	15.0	2
INTERMEDIATE AQUIFER	Orange River	11.2	2
INTERMEDIATE AQUIFER	Coastal Venice	5.2	5
INTERMEDIATE AQUIFER	Horse Creek	5.0	1
INTERMEDIATE AQUIFER	Lemon Bay	4.9	2
INTERMEDIATE AQUIFER	Joshua Creek	4.8	1
INTERMEDIATE AQUIFER	Cow Pen Slough	4.7	5
INTERMEDIATE AQUIFER	Shell Creek	4.4	4
INTERMEDIATE AQUIFER	Peace at Bartow	4.3	2
INTERMEDIATE AQUIFER	Peace at Arcadia	3.9	3
INTERMEDIATE AQUIFER	Tidal Caloosahatchee	3.5	1
INTERMEDIATE AQUIFER	Charlotte Harbor Proper	3.0	5
INTERMEDIATE AQUIFER	Upper Myakka	2.9	4
INTERMEDIATE AQUIFER	Estero Bay - Estero River	2.7	1
INTERMEDIATE AQUIFER	Donna & Roberts Bays	2.6	2
INTERMEDIATE AQUIFER	Lower Myakka	2.5	10
INTERMEDIATE AQUIFER	Charlie Creek	1.6	1
INTERMEDIATE AQUIFER	Matlacha Pass	1.6	2
INTERMEDIATE AQUIFER	Peace at Zolpho Springs	1.3	4
INTERMEDIATE AQUIFER	Coastal Lower Peace	1.2	10

Table 5-15
 Current Period (1996-2001) Groundwater Status
 Total Organic Carbon (mg/L)
 Ranked by Median Value for each Aquifer

Aquifer=SURFICIAL AQUIFER

Aquifer	CHNEP Basin	Median	Number of Observations
SURFICIAL AQUIFER	Orange River	32.0	1
SURFICIAL AQUIFER	Lower Myakka	22.0	9
SURFICIAL AQUIFER	Tidal Caloosahatchee	19.0	2
SURFICIAL AQUIFER	Coastal Venice	17.0	4
SURFICIAL AQUIFER	Lemon Bay	16.9	2
SURFICIAL AQUIFER	Charlotte Harbor Proper	16.0	1
SURFICIAL AQUIFER	Shell Creek	15.5	4
SURFICIAL AQUIFER	Peace at Zolpho Springs	14.0	3
SURFICIAL AQUIFER	Peace at Arcadia	12.0	5
SURFICIAL AQUIFER	Pine Island Sound	11.5	2
SURFICIAL AQUIFER	Matlacha Pass	10.1	2
SURFICIAL AQUIFER	Coastal Lower Peace	9.0	6
SURFICIAL AQUIFER	Estero Bay	9.0	1
SURFICIAL AQUIFER	Horse Creek	8.0	2
SURFICIAL AQUIFER	Joshua Creek	7.1	1
SURFICIAL AQUIFER	Charlie Creek	5.9	2
SURFICIAL AQUIFER	Cow Pen Slough	5.8	2
SURFICIAL AQUIFER	Upper Myakka	4.1	3
SURFICIAL AQUIFER	Peace at Bartow	2.7	5

Table 5-16
 Current Period (1996-2001) Groundwater Status
 Turbidity (NTU)
 Ranked by Median Value for each Aquifer

Aquifer=FLORIDAN AQUIFER

Aquifer	CHNEP Basin	Median	Number of Observations
FLORIDAN AQUIFER	Donna & Roberts Bays	24.0	1
FLORIDAN AQUIFER	Upper Myakka	21.0	6
FLORIDAN AQUIFER	Horse Creek	9.8	2
FLORIDAN AQUIFER	Payne Creek	8.4	1
FLORIDAN AQUIFER	Coastal Lower Peace	7.4	8
FLORIDAN AQUIFER	Joshua Creek	6.4	2
FLORIDAN AQUIFER	Cow Pen Slough	4.2	6
FLORIDAN AQUIFER	Peace at Zolpho Springs	2.2	6
FLORIDAN AQUIFER	Peace at Arcadia	1.9	4
FLORIDAN AQUIFER	Pine Island Sound	1.7	1
FLORIDAN AQUIFER	Peace at Bartow	1.3	15
FLORIDAN AQUIFER	Lower Myakka	1.0	9
FLORIDAN AQUIFER	Coastal Venice	0.6	2
FLORIDAN AQUIFER	Shell Creek	0.5	5
FLORIDAN AQUIFER	Estero Bay - Estero River	0.4	1
FLORIDAN AQUIFER	Charlie Creek	0.1	1
FLORIDAN AQUIFER	Lemon Bay	0.1	1
FLORIDAN AQUIFER	Charlotte Harbor Proper	0.1	1
FLORIDAN AQUIFER	Matlacha Pass	0.1	2
FLORIDAN AQUIFER	Orange River	0.1	1

Table 5-16
 Current Period (1996-2001) Groundwater Status
 Turbidity (NTU)
 Ranked by Median Value for each Aquifer

Aquifer=INTERMEDIATE AQUIFER

Aquifer	CHNEP Basin	Median	Number of Observations
INTERMEDIATE AQUIFER	Tidal Caloosahatchee	40.0	1
INTERMEDIATE AQUIFER	Donna & Roberts Bays	19.6	2
INTERMEDIATE AQUIFER	Lemon Bay	19.0	2
INTERMEDIATE AQUIFER	Telegraph Swamp	15.0	2
INTERMEDIATE AQUIFER	Estero Bay - Estero River	14.0	1
INTERMEDIATE AQUIFER	Peace at Arcadia	14.0	3
INTERMEDIATE AQUIFER	Cow Pen Slough	13.0	5
INTERMEDIATE AQUIFER	Lower Myakka	10.9	10
INTERMEDIATE AQUIFER	Upper Myakka	10.8	4
INTERMEDIATE AQUIFER	Peace at Zolpho Springs	7.5	4
INTERMEDIATE AQUIFER	Horse Creek	6.6	2
INTERMEDIATE AQUIFER	Joshua Creek	4.5	1
INTERMEDIATE AQUIFER	Charlie Creek	3.7	1
INTERMEDIATE AQUIFER	Coastal Venice	3.0	5
INTERMEDIATE AQUIFER	Peace at Bartow	2.3	3
INTERMEDIATE AQUIFER	Orange River	1.8	2
INTERMEDIATE AQUIFER	Charlotte Harbor Proper	1.3	5
INTERMEDIATE AQUIFER	Matlacha Pass	0.8	2
INTERMEDIATE AQUIFER	Shell Creek	0.5	4
INTERMEDIATE AQUIFER	Coastal Lower Peace	0.4	12

Table 5-16
 Current Period (1996-2001) Groundwater Status
 Turbidity (NTU)
 Ranked by Median Value for each Aquifer

Aquifer=SURFICIAL AQUIFER

Aquifer	CHNEP Basin	Median	Number of Observations
SURFICIAL AQUIFER	Pine Island Sound	495.0	2
SURFICIAL AQUIFER	Tidal Caloosahatchee	370.0	2
SURFICIAL AQUIFER	Cow Pen Slough	140.0	2
SURFICIAL AQUIFER	Coastal Venice	43.0	4
SURFICIAL AQUIFER	Lemon Bay	42.5	2
SURFICIAL AQUIFER	Estero Bay	40.0	1
SURFICIAL AQUIFER	Peace at Zolpho Springs	37.0	3
SURFICIAL AQUIFER	Lower Myakka	29.0	9
SURFICIAL AQUIFER	Orange River	20.0	1
SURFICIAL AQUIFER	Peace at Arcadia	19.0	5
SURFICIAL AQUIFER	Coastal Lower Peace	17.0	6
SURFICIAL AQUIFER	Shell Creek	15.9	4
SURFICIAL AQUIFER	Joshua Creek	12.0	1
SURFICIAL AQUIFER	Peace at Bartow	9.5	4
SURFICIAL AQUIFER	Upper Myakka	9.3	3
SURFICIAL AQUIFER	Charlie Creek	6.3	2
SURFICIAL AQUIFER	Horse Creek	3.6	2
SURFICIAL AQUIFER	Charlotte Harbor Proper	1.4	1
SURFICIAL AQUIFER	Matlacha Pass	1.2	2

Table 5-17
 Current Period (1996-2001) Groundwater Status
 Field Dissolved Oxygen (mg/L)
 Ranked by Median Value for each Aquifer

Aquifer=FLORIDAN AQUIFER

Aquifer	CHNEP Basin	Median	Number of Observations
FLORIDAN AQUIFER	Pine Island Sound	6.21	1
FLORIDAN AQUIFER	Orange River	4.96	1
FLORIDAN AQUIFER	Matlacha Pass	4.63	2
FLORIDAN AQUIFER	Estero Bay - Estero River	3.58	1
FLORIDAN AQUIFER	Peace at Zolpho Springs	2.23	3
FLORIDAN AQUIFER	Peace at Bartow	0.45	4
FLORIDAN AQUIFER	Horse Creek	0.25	1
FLORIDAN AQUIFER	Coastal Lower Peace	0.12	4
FLORIDAN AQUIFER	Shell Creek	0.10	1
FLORIDAN AQUIFER	Charlie Creek	0.06	1
FLORIDAN AQUIFER	Upper Myakka	0.05	16
FLORIDAN AQUIFER	Cow Pen Slough	0.04	3

Table 5-17
 Current Period (1996-2001) Groundwater Status
 Field Dissolved Oxygen (mg/L)
 Ranked by Median Value for each Aquifer

Aquifer=INTERMEDIATE AQUIFER

Aquifer	CHNEP Basin	Median	Number of Observations
INTERMEDIATE AQUIFER	Matlacha Pass	3.61	2
INTERMEDIATE AQUIFER	Orange River	1.80	2
INTERMEDIATE AQUIFER	Estero Bay - Estero River	1.69	1
INTERMEDIATE AQUIFER	Peace at Arcadia	1.52	2
INTERMEDIATE AQUIFER	Horse Creek	0.76	1
INTERMEDIATE AQUIFER	Charlotte Harbor Proper	0.66	2
INTERMEDIATE AQUIFER	Lower Myakka	0.55	3
INTERMEDIATE AQUIFER	Coastal Venice	0.44	1
INTERMEDIATE AQUIFER	Telegraph Swamp	0.40	1
INTERMEDIATE AQUIFER	Tidal Caloosahatchee	0.40	1
INTERMEDIATE AQUIFER	Shell Creek	0.34	2
INTERMEDIATE AQUIFER	Peace at Zolpho Springs	0.29	3
INTERMEDIATE AQUIFER	Cow Pen Slough	0.14	4
INTERMEDIATE AQUIFER	Peace at Bartow	0.14	2
INTERMEDIATE AQUIFER	Coastal Lower Peace	0.13	7
INTERMEDIATE AQUIFER	Charlie Creek	0.10	19
INTERMEDIATE AQUIFER	Donna & Roberts Bays	0.06	1
INTERMEDIATE AQUIFER	Upper Myakka	0.05	1

Table 5-17
 Current Period (1996-2001) Groundwater Status
 Field Dissolved Oxygen (mg/L)
 Ranked by Median Value for each Aquifer

Aquifer=SURFICIAL AQUIFER

Aquifer	CHNEP Basin	Median	Number of Observations
SURFICIAL AQUIFER	Peace at Bartow	4.69	5
SURFICIAL AQUIFER	Peace at Zolpho Springs	3.66	2
SURFICIAL AQUIFER	Charlotte Harbor Proper	2.76	1
SURFICIAL AQUIFER	Matlacha Pass	2.39	1
SURFICIAL AQUIFER	Peace at Arcadia	1.79	4
SURFICIAL AQUIFER	Estero Bay	1.62	1
SURFICIAL AQUIFER	Orange River	1.46	1
SURFICIAL AQUIFER	Tidal Caloosahatchee	0.84	2
SURFICIAL AQUIFER	Pine Island Sound	0.63	1
SURFICIAL AQUIFER	Coastal Venice	0.41	2
SURFICIAL AQUIFER	Horse Creek	0.40	1
SURFICIAL AQUIFER	Coastal Lower Peace	0.31	4
SURFICIAL AQUIFER	Cow Pen Slough	0.26	1
SURFICIAL AQUIFER	Lower Myakka	0.25	5
SURFICIAL AQUIFER	Charlie Creek	0.18	19
SURFICIAL AQUIFER	Shell Creek	0.18	4
SURFICIAL AQUIFER	Upper Myakka	0.11	2

Table 5-18
 Current Period (1996-2001) Groundwater Status
 Specific Conductance (uS/cm)
 Ranked by Median Value for each Aquifer

Aquifer=FLORIDAN AQUIFER

Aquifer	CHNEP Basin	Median	Number of Observations
FLORIDAN AQUIFER	Lemon Bay	17000	1
FLORIDAN AQUIFER	Orange River	4800	1
FLORIDAN AQUIFER	Pine Island Sound	4400	1
FLORIDAN AQUIFER	Matlacha Pass	3800	2
FLORIDAN AQUIFER	Charlotte Harbor Proper	3300	1
FLORIDAN AQUIFER	Estero Bay - Estero River	2500	1
FLORIDAN AQUIFER	Donna & Roberts Bays	2400	1
FLORIDAN AQUIFER	Coastal Venice	2100	2
FLORIDAN AQUIFER	Cow Pen Slough	1750	6
FLORIDAN AQUIFER	Lower Myakka	1200	9
FLORIDAN AQUIFER	Coastal Lower Peace	1150	8
FLORIDAN AQUIFER	Shell Creek	950	5
FLORIDAN AQUIFER	Joshua Creek	935	2
FLORIDAN AQUIFER	Payne Creek	890	1
FLORIDAN AQUIFER	Horse Creek	825	2
FLORIDAN AQUIFER	Peace at Arcadia	655	4
FLORIDAN AQUIFER	Upper Myakka	610	6
FLORIDAN AQUIFER	Peace at Bartow	360	4
FLORIDAN AQUIFER	Peace at Zolpho Springs	290	3
FLORIDAN AQUIFER	Charlie Creek	220	1

Table 5-18
 Current Period (1996-2001) Groundwater Status
 Specific Conductance (uS/cm)
 Ranked by Median Value for each Aquifer

Aquifer=INTERMEDIATE AQUIFER

Aquifer	CHNEP Basin	Median	Number of Observations
INTERMEDIATE AQUIFER	Matlacha Pass	2650	2
INTERMEDIATE AQUIFER	Tidal Caloosahatchee	1700	1
INTERMEDIATE AQUIFER	Lemon Bay	1665	2
INTERMEDIATE AQUIFER	Donna & Roberts Bays	1330	2
INTERMEDIATE AQUIFER	Coastal Venice	1300	5
INTERMEDIATE AQUIFER	Charlotte Harbor Proper	1200	5
INTERMEDIATE AQUIFER	Shell Creek	1000	4
INTERMEDIATE AQUIFER	Coastal Lower Peace	985	10
INTERMEDIATE AQUIFER	Lower Myakka	860	10
INTERMEDIATE AQUIFER	Orange River	855	2
INTERMEDIATE AQUIFER	Cow Pen Slough	810	5
INTERMEDIATE AQUIFER	Estero Bay - Estero River	740	1
INTERMEDIATE AQUIFER	Telegraph Swamp	700	2
INTERMEDIATE AQUIFER	Peace at Arcadia	640	3
INTERMEDIATE AQUIFER	Horse Creek	560	1
INTERMEDIATE AQUIFER	Upper Myakka	495	4
INTERMEDIATE AQUIFER	Joshua Creek	420	1
INTERMEDIATE AQUIFER	Peace at Zolpho Springs	305	4
INTERMEDIATE AQUIFER	Peace at Bartow	215	2
INTERMEDIATE AQUIFER	Charlie Creek	40	1

Table 5-18
 Current Period (1996-2001) Groundwater Status
 Specific Conductance (uS/cm)
 Ranked by Median Value for each Aquifer

Aquifer=SURFICIAL AQUIFER

Aquifer	CHNEP Basin	Median	Number of Observations
SURFICIAL AQUIFER	Lemon Bay	1505.0	2
SURFICIAL AQUIFER	Coastal Venice	1450.0	4
SURFICIAL AQUIFER	Charlotte Harbor Proper	1000.0	1
SURFICIAL AQUIFER	Matlacha Pass	870.0	2
SURFICIAL AQUIFER	Shell Creek	705.0	4
SURFICIAL AQUIFER	Estero Bay	680.0	1
SURFICIAL AQUIFER	Coastal Lower Peace	660.0	6
SURFICIAL AQUIFER	Lower Myakka	650.0	9
SURFICIAL AQUIFER	Orange River	570.0	1
SURFICIAL AQUIFER	Tidal Caloosahatchee	500.0	2
SURFICIAL AQUIFER	Pine Island Sound	415.0	2
SURFICIAL AQUIFER	Joshua Creek	340.0	1
SURFICIAL AQUIFER	Peace at Zolpho Springs	310.0	3
SURFICIAL AQUIFER	Cow Pen Slough	298.0	2
SURFICIAL AQUIFER	Peace at Arcadia	280.0	5
SURFICIAL AQUIFER	Peace at Bartow	220.0	4
SURFICIAL AQUIFER	Charlie Creek	151.5	2
SURFICIAL AQUIFER	Horse Creek	128.5	2
SURFICIAL AQUIFER	Upper Myakka	120.0	3

Table 5-19
 Current Period (1996-2001) Groundwater Status
 Color (Pt-Co)
 Ranked by Median Value for each Aquifer

Aquifer=FLORIDAN AQUIFER

Aquifer	CHNEP Basin	Median	Number of Observations
FLORIDAN AQUIFER	Donna & Roberts Bays	80.0	1
FLORIDAN AQUIFER	Upper Myakka	27.5	6
FLORIDAN AQUIFER	Cow Pen Slough	17.5	6
FLORIDAN AQUIFER	Shell Creek	15.0	5
FLORIDAN AQUIFER	Lemon Bay	10.0	1
FLORIDAN AQUIFER	Payne Creek	10.0	1
FLORIDAN AQUIFER	Peace at Arcadia	10.0	4
FLORIDAN AQUIFER	Charlie Creek	5.0	1
FLORIDAN AQUIFER	Charlotte Harbor Proper	5.0	1
FLORIDAN AQUIFER	Coastal Lower Peace	5.0	8
FLORIDAN AQUIFER	Coastal Venice	5.0	2
FLORIDAN AQUIFER	Horse Creek	5.0	1
FLORIDAN AQUIFER	Joshua Creek	5.0	2
FLORIDAN AQUIFER	Lower Myakka	5.0	9
FLORIDAN AQUIFER	Peace at Bartow	5.0	11
FLORIDAN AQUIFER	Peace at Zolpho Springs	5.0	3

Table 5-19
 Current Period (1996-2001) Groundwater Status
 Color (Pt-Co)
 Ranked by Median Value for each Aquifer

Aquifer=INTERMEDIATE AQUIFER

Aquifer	CHNEP Basin	Median	Number of Observations
INTERMEDIATE AQUIFER	Telegraph Swamp	80.0	2
INTERMEDIATE AQUIFER	Donna & Roberts Bays	42.5	2
INTERMEDIATE AQUIFER	Charlie Creek	40.0	1
INTERMEDIATE AQUIFER	Lemon Bay	40.0	2
INTERMEDIATE AQUIFER	Charlotte Harbor Proper	32.5	4
INTERMEDIATE AQUIFER	Cow Pen Slough	30.0	5
INTERMEDIATE AQUIFER	Joshua Creek	30.0	1
INTERMEDIATE AQUIFER	Tidal Caloosahatchee	30.0	1
INTERMEDIATE AQUIFER	Coastal Venice	20.0	5
INTERMEDIATE AQUIFER	Upper Myakka	20.0	4
INTERMEDIATE AQUIFER	Peace at Arcadia	15.0	3
INTERMEDIATE AQUIFER	Peace at Zolpho Springs	12.5	2
INTERMEDIATE AQUIFER	Horse Creek	10.0	1
INTERMEDIATE AQUIFER	Lower Myakka	10.0	10
INTERMEDIATE AQUIFER	Shell Creek	10.0	4
INTERMEDIATE AQUIFER	Coastal Lower Peace	7.5	12
INTERMEDIATE AQUIFER	Peace at Bartow	5.0	1

Table 5-19
 Current Period (1996-2001) Groundwater Status
 Color (Pt-Co)
 Ranked by Median Value for each Aquifer

Aquifer=SURFICIAL AQUIFER

Aquifer	CHNEP Basin	Median	Number of Observations
SURFICIAL AQUIFER	Peace at Zolpho Springs	4000.0	1
SURFICIAL AQUIFER	Cow Pen Slough	175.0	2
SURFICIAL AQUIFER	Lemon Bay	150.0	2
SURFICIAL AQUIFER	Peace at Arcadia	150.0	5
SURFICIAL AQUIFER	Lower Myakka	125.0	8
SURFICIAL AQUIFER	Coastal Venice	120.0	3
SURFICIAL AQUIFER	Coastal Lower Peace	100.0	6
SURFICIAL AQUIFER	Upper Myakka	100.0	3
SURFICIAL AQUIFER	Charlotte Harbor Proper	60.0	1
SURFICIAL AQUIFER	Joshua Creek	40.0	1
SURFICIAL AQUIFER	Shell Creek	40.0	3
SURFICIAL AQUIFER	Charlie Creek	12.5	2
SURFICIAL AQUIFER	Horse Creek	5.0	1