

Water-Data Report 2013

02297635 SHELL CREEK ON CR 764 NEAR PUNTA GORDA, FL.

Peace Basin
Peace Subbasin

LOCATION.--Lat 26°58'30", long 81°53'15" referenced to North American Datum of 1983, in NW ¼ sec.26, T.40 S., R.24 E., Charlotte County, FL, Hydrologic Unit 03100101, near center of bridge on Washington Loop Road, 4.8 mi east of U.S. 17, 9.0 mi upstream of mouth, and 9.75 mi northeast of Punta Gorda.

DRAINAGE AREA.--90.1 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--February 2004 to September 2009 (gage heights only); October 2009 to September 2012; October 2012 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 13.45 ft below National Geodetic Vertical Datum of 1929 and 12.31 ft below North American Vertical Datum of 1988.

COOPERATION.--This gage is monitored in cooperation with Southwest Florida Water Management District.

REMARKS.--Records fair.

02297635 SHELL CREEK ON CR 764 NEAR PUNTA GORDA, FL.—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	19.21	18.83	18.58	18.61	18.56	18.55	18.54	18.56	18.62	19.91	19.28	19.67
2	19.20	18.83	18.58	18.61	18.55	18.54	18.54	18.61	18.78	21.17	19.32	19.79
3	19.43	18.82	18.58	18.60	18.55	18.54	18.53	18.64	19.18	21.60	19.22	20.09
4	19.75	18.82	18.57	18.61	18.54	18.53	18.54	18.68	19.60	21.44	19.14	19.88
5	19.90	18.82	18.58	18.61	18.54	18.53	18.57	18.66	19.16	21.40	19.17	19.81
6	19.90	18.81	18.58	18.60	18.54	18.54	18.55	18.64	19.83	21.09	19.23	19.65
7	20.03	18.79	18.56	18.60	18.54	18.53	18.53	18.63	20.23	20.70	19.49	19.63
8	20.03	18.78	18.57	18.60	18.55	18.53	18.52	18.62	20.15	20.38	19.77	20.17
9	19.98	18.74	18.58	18.58	18.54	18.52	18.51	18.60	21.69	20.13	19.37	19.99
10	19.97	18.70	18.57	18.56	18.52	18.50	18.55	18.58	20.27	19.94	19.28	19.73
11	19.86	18.66	18.62	18.56	18.52	18.49	18.64	18.57	19.58	19.82	19.23	19.58
12	19.71	18.64	18.64	18.56	18.52	18.50	18.57	18.56	19.39	19.70	19.19	19.49
13	19.60	18.63	18.66	18.56	18.53	18.51	18.56	18.56	19.31	19.62	19.18	19.75
14	19.51	18.63	18.66	18.56	18.59	18.50	18.54	18.54	19.39	19.54	19.29	19.67
15	19.44	18.63	18.65	18.56	18.61	18.49	18.53	18.53	19.36	19.51	19.22	19.64
16	19.39	18.63	18.64	18.56	18.60	18.49	18.52	18.52	19.23	19.50	19.17	19.66
17	19.32	18.63	18.63	18.58	18.60	18.49	18.51	18.52	19.15	19.53	19.07	19.54
18	19.28	18.62	18.63	18.57	18.57	18.49	18.51	18.52	19.12	19.66	19.03	19.43
19	19.23	18.62	18.62	18.57	18.57	18.50	18.52	18.51	19.53	19.72	19.07	19.35
20	19.16	18.63	18.62	18.57	18.56	18.51	18.56	18.54	19.43	19.76	19.39	19.31
21	19.09	18.63	18.64	18.57	18.55	18.51	18.57	18.57	19.45	19.79	19.50	19.32
22	19.04	18.63	18.62	18.57	18.55	18.50	18.60	18.58	19.79	19.77	19.47	19.30
23	18.99	18.63	18.62	18.57	18.55	18.53	18.59	18.59	19.47	19.71	19.40	19.29
24	18.95	18.62	18.61	18.57	18.55	18.52	18.57	18.60	19.34	19.60	19.40	20.79
25	18.92	18.62	18.61	18.57	18.55	18.53	18.57	18.60	19.25	19.51	20.21	21.63
26	18.91	18.62	18.61	18.56	18.54	18.53	18.55	18.59	19.25	19.47	19.96	20.90
27	18.91	18.62	18.61	18.55	18.55	18.54	18.54	18.58	19.33	19.42	20.65	20.26
28	18.89	18.62	18.61	18.54	18.55	18.53	18.51	18.57	19.35	19.39	20.37	19.88
29	18.87	18.61	18.62	18.53	---	18.53	18.51	18.57	19.26	19.38	20.14	19.66
30	18.86	18.59	18.62	18.53	---	18.52	18.53	18.56	19.19	19.31	20.01	19.50
31	18.84	---	18.61	18.55	---	18.53	---	18.57	---	19.23	19.79	---
Mean	19.36	18.68	18.61	18.57	18.55	18.52	18.55	18.58	19.49	19.96	19.48	19.81
Max	20.03	18.83	18.66	18.61	18.61	18.55	18.64	18.68	21.69	21.60	20.65	21.63
Min	18.84	18.59	18.56	18.53	18.52	18.49	18.51	18.51	18.62	19.23	19.03	19.29

02297635 SHELL CREEK ON CR 764 NEAR PUNTA GORDA, FL.—Continued**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--February 2004 to current year.

INSTRUMENTATION.--Water-quality monitor consisting of specific conductance and temperature sensors located approximately 9.8 feet below gage datum.

REMARKS.--Temperature records rated good for the water year. Specific conductance records rated excellent except the periods being rated good from January 29 to February 12, June 05 to August 06, and August 07 to September 25 when good, and September 26 to September 30 when fair.

COOPERATION.--This gage is monitored in cooperation with Southwest Florida Water Management District.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 2,070 microsiemens, June 1, 2006; minimum, 122 microsiemens, Sep. 21, 2009.

TEMPERATURE: Maximum, 31.2°C, Aug. 4, 2005; minimum, 8.4°C, Jan. 13, 2010.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 1,460 microsiemens, Apr. 1, 2; minimum, 125 microsiemens, June 9.

TEMPERATURE: Maximum, 30.2°C, June 18; minimum, 15.9°C, Dec. 31.

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	689	659	838	819	1,020	1,010	1,100	1,080	1,180	1,130	1,320	1,280
2	692	575	849	838	1,020	1,020	1,100	1,100	1,160	1,140	1,280	1,280
3	609	410	863	849	1,020	1,020	1,100	1,100	1,180	1,150	1,290	1,280
4	434	280	877	863	1,030	1,020	1,100	1,090	1,180	1,150	1,300	1,280
5	344	268	897	876	1,020	1,010	1,100	1,100	1,190	1,160	1,300	1,290
6	356	317	901	897	1,020	1,020	1,100	1,100	1,200	1,180	1,310	1,300
7	376	348	901	874	1,030	1,020	1,100	1,090	1,220	1,200	1,310	1,290
8	411	376	898	862	1,040	1,030	1,100	1,090	1,240	1,220	1,300	1,290
9	425	406	902	894	1,040	1,040	1,100	1,090	1,240	1,230	1,290	1,280
10	426	405	904	899	1,040	1,040	1,100	1,090	1,240	1,230	1,280	1,280
11	458	426	903	899	1,040	1,030	1,100	1,090	1,230	1,220	1,280	1,260
12	491	458	904	900	1,040	1,030	1,100	1,090	1,240	1,230	1,290	1,270
13	524	491	915	899	1,030	990	1,100	1,090	1,250	1,230	1,280	1,280
14	551	524	922	914	995	966	1,100	1,100	1,260	1,240	1,280	1,270
15	570	550	925	922	1,000	988	1,100	1,090	1,270	1,240	1,280	1,270
16	592	570	926	924	1,030	991	1,100	1,090	1,260	1,230	1,280	1,270
17	612	591	926	907	1,170	1,020	1,100	1,090	1,260	1,240	1,280	1,270
18	632	608	925	920	1,220	1,170	1,100	1,090	1,260	1,240	1,290	1,280
19	645	598	931	925	1,210	1,140	1,100	1,090	1,260	1,250	1,340	1,290
20	621	598	933	923	1,180	1,130	1,100	1,090	1,250	1,230	1,380	1,340
21	658	621	928	915	1,140	1,120	1,100	1,090	1,260	1,220	1,400	1,380
22	684	658	924	914	1,120	1,110	1,110	1,100	1,380	1,250	1,400	1,360
23	706	683	919	912	1,110	1,100	1,110	1,100	1,390	1,380	1,390	1,360
24	724	703	929	914	1,100	1,080	1,110	1,100	1,390	1,360	1,400	1,370
25	748	723	935	923	1,090	1,080	1,120	1,100	1,370	1,350	1,400	1,390
26	770	748	951	930	1,100	1,080	1,120	1,110	1,360	1,340	1,410	1,340
27	779	770	975	950	1,100	1,070	1,120	1,110	1,360	1,340	1,390	1,320
28	782	777	1,020	975	1,090	1,070	1,120	1,110	1,350	1,300	1,370	1,340
29	794	777	1,030	1,020	1,110	1,090	1,130	1,110	---	---	1,380	1,350
30	808	794	1,030	1,010	1,120	1,110	1,150	1,130	---	---	1,400	1,370
31	820	808	---	---	1,110	1,080	1,180	1,140	---	---	1,440	1,400
Month	820	268	1,030	819	1,220	966	1,180	1,080	1,390	1,130	1,440	1,260

02297635 SHELL CREEK ON CR 764 NEAR PUNTA GORDA, FL.—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	April		May		June		July		August		September	
1	1,460	1,440	1,270	1,210	---	---	658	272	698	471	441	393
2	1,460	1,430	1,280	1,230	1,060	743	272	230	---	479	455	335
3	1,430	1,410	1,240	1,180	799	333	305	234	570	---	335	278
4	1,420	1,390	1,180	1,110	419	259	323	292	652	570	368	315
5	1,400	1,380	1,130	1,090	555	419	331	298	653	558	387	344
6	1,380	1,360	1,140	1,110	571	246	322	288	---	541	440	387
7	1,360	1,350	1,120	1,090	413	248	345	312	556	251	448	361
8	1,390	1,360	1,130	1,100	482	138	378	345	349	241	390	254
9	1,410	1,380	1,150	1,120	284	125	397	378	440	349	363	296
10	1,420	1,300	1,150	1,130	431	284	414	393	523	440	415	363
11	1,370	1,190	1,160	1,130	542	431	426	411	574	523	471	415
12	1,400	1,370	1,180	1,160	641	542	460	426	621	574	504	471
13	1,390	1,320	1,210	1,160	719	641	477	456	664	609	507	262
14	1,380	1,350	1,180	1,140	745	660	519	477	619	282	439	347
15	1,370	1,290	1,170	1,140	707	682	535	505	490	375	488	439
16	1,360	1,330	1,150	1,110	786	707	549	535	537	485	485	405
17	1,350	1,300	1,170	1,080	842	786	562	525	594	537	478	434
18	1,320	1,280	1,170	1,110	886	842	525	335	654	594	507	478
19	1,300	1,270	1,210	1,160	878	291	474	378	691	653	544	507
20	1,300	1,260	1,200	1,150	533	373	431	403	687	354	568	544
21	1,290	1,220	1,220	1,150	588	227	422	390	436	353	590	567
22	1,300	1,230	1,240	1,010	399	215	435	375	486	436	617	590
23	1,300	1,200	1,220	1,120	551	399	472	390	522	484	633	544
24	1,210	1,150	1,170	1,140	637	551	519	472	544	354	544	142
25	1,190	1,150	1,160	1,130	696	634	565	519	420	226	199	144
26	1,150	1,130	---	---	725	695	---	565	366	294	272	199
27	1,140	1,090	---	---	700	387	614	---	301	171	330	272
28	1,150	1,110	---	---	555	417	634	612	274	239	363	329
29	1,140	1,090	---	---	627	555	641	625	343	270	405	363
30	1,230	1,140	---	---	666	610	669	638	334	287	443	405
31	---	---	---	---	---	---	684	656	393	334	---	---
Month	1,460	1,090	---	---	---	---	---	---	---	---	633	142

02297635 SHELL CREEK ON CR 764 NEAR PUNTA GORDA, FL.—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	28.0	27.5	21.2	20.3	17.5	17.5	16.2	16.1	18.4	18.2	20.8	20.1
2	28.1	27.2	20.3	19.6	17.6	17.5	16.4	16.2	18.3	17.5	20.6	19.4
3	27.2	26.0	19.6	19.4	17.8	17.6	16.7	16.4	17.7	17.4	19.4	18.5
4	26.8	26.1	19.6	19.3	18.1	17.8	16.8	16.6	17.4	17.2	18.5	17.6
5	26.9	25.8	20.0	19.5	18.3	18.0	16.9	16.8	17.2	16.9	17.8	17.5
6	27.3	26.7	20.2	20.0	18.4	18.2	17.2	16.9	17.0	16.9	17.8	17.5
7	27.2	26.5	20.3	20.2	18.6	18.3	17.3	17.1	17.3	17.0	17.8	17.6
8	27.0	26.6	20.2	19.7	18.9	18.5	17.5	17.3	17.7	17.2	17.7	17.5
9	26.9	26.2	19.7	19.0	19.1	18.7	17.6	17.4	17.8	17.5	17.6	17.4
10	26.9	26.4	19.3	18.9	19.3	19.0	17.8	17.6	17.9	17.6	17.7	17.5
11	26.7	25.6	19.2	18.9	19.6	19.1	18.0	17.7	18.7	17.9	17.8	17.6
12	26.0	25.0	19.3	19.1	20.0	19.4	18.4	18.0	19.0	18.3	17.9	17.6
13	25.7	24.9	19.3	19.2	20.9	19.8	19.0	18.2	19.5	18.7	17.9	17.7
14	25.8	24.5	19.2	19.0	21.1	20.7	19.2	18.8	19.6	19.1	18.0	17.8
15	26.1	24.9	19.4	19.1	20.8	20.4	19.7	18.9	19.7	19.4	17.9	17.8
16	26.4	25.5	19.6	19.2	20.7	20.4	19.9	19.3	19.5	19.0	17.9	17.6
17	26.4	25.6	19.8	19.5	20.6	20.4	20.5	19.6	19.0	18.1	17.9	17.6
18	26.1	25.5	19.9	19.7	20.5	20.3	20.6	19.7	18.1	17.1	17.9	17.8
19	26.3	25.0	19.9	19.5	20.4	20.2	19.8	19.4	17.4	17.2	18.2	17.8
20	26.3	25.7	19.7	19.5	20.3	19.8	19.4	19.4	17.4	17.2	18.5	18.1
21	26.3	25.2	19.7	19.5	20.1	19.6	19.6	19.4	17.4	17.3	18.7	18.4
22	25.2	24.1	19.5	19.0	19.6	18.4	19.6	19.5	17.4	17.3	18.9	18.5
23	24.1	23.6	19.1	18.3	18.4	17.5	19.5	18.7	17.8	17.3	19.1	18.8
24	24.0	23.5	18.5	17.9	17.8	17.3	18.8	18.1	18.4	17.5	19.8	18.9
25	24.1	23.8	18.1	17.8	17.4	17.2	18.2	17.9	18.9	18.2	20.6	19.4
26	24.4	24.0	17.8	17.3	17.5	17.1	17.9	17.7	19.5	18.3	20.8	20.2
27	24.4	24.0	17.5	17.4	17.3	16.7	17.8	17.7	19.5	18.8	20.6	19.7
28	24.4	23.8	17.5	17.4	16.7	16.2	17.8	17.7	20.9	19.2	19.7	19.2
29	23.8	22.8	17.5	17.5	16.2	16.0	18.0	17.8	---	---	19.2	19.0
30	22.8	21.8	17.6	17.5	16.3	16.0	18.2	17.9	---	---	19.2	19.0
31	21.8	21.2	---	---	16.4	15.9	18.5	18.0	---	---	19.4	19.0
Month	28.1	21.2	21.2	17.3	21.1	15.9	20.6	16.1	20.9	16.9	20.8	17.4

02297635 SHELL CREEK ON CR 764 NEAR PUNTA GORDA, FL.—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	April		May		June		July		August		September	
1	19.9	19.3	24.9	24.6	26.0	25.7	28.9	26.2	28.4	27.3	28.7	27.6
2	20.2	19.7	24.8	23.8	26.4	25.6	26.5	25.3	29.8	27.1	27.7	26.4
3	20.4	19.9	23.8	23.3	26.4	25.2	26.9	26.3	29.5	28.0	26.6	25.8
4	20.8	20.1	23.7	23.2	25.3	24.8	26.9	26.5	29.5	28.1	27.6	26.6
5	21.4	20.5	23.6	23.2	25.9	25.3	27.1	26.7	29.4	27.4	27.6	26.8
6	21.2	21.0	23.9	23.6	25.4	24.3	27.8	26.8	29.6	28.3	28.2	27.1
7	21.2	21.0	23.8	23.2	25.3	24.1	28.3	27.8	29.0	26.9	28.8	27.1
8	21.5	21.1	23.7	23.4	26.1	25.2	28.6	28.3	28.7	26.9	27.6	26.3
9	21.7	21.4	23.6	23.5	27.7	25.0	28.9	28.1	29.6	28.4	27.9	27.3
10	22.1	21.5	23.6	23.4	28.5	27.4	28.2	27.7	28.8	28.0	28.5	27.7
11	22.2	21.7	23.7	23.4	29.0	28.1	28.2	27.7	29.2	27.7	28.4	27.4
12	22.5	22.1	24.0	23.6	29.0	27.9	28.5	27.6	29.4	28.8	28.2	27.1
13	22.9	22.4	24.4	23.9	29.0	27.7	28.9	27.5	29.4	28.8	27.2	26.0
14	22.7	22.4	24.5	24.1	28.0	27.0	27.6	26.8	28.9	26.9	28.5	26.8
15	23.0	22.4	24.5	24.1	28.9	27.0	28.3	26.7	29.6	27.8	29.3	27.4
16	22.8	22.6	24.9	24.4	29.5	27.8	28.6	27.0	29.3	27.9	27.8	26.4
17	23.3	22.7	25.1	24.8	29.6	28.1	27.8	26.4	29.5	28.2	26.6	25.9
18	23.6	23.0	25.3	25.0	30.2	28.4	26.5	26.0	29.6	28.9	27.0	25.9
19	23.9	23.1	25.4	25.0	30.1	27.0	26.2	25.2	29.1	28.6	27.6	26.2
20	24.6	23.4	25.4	24.9	28.8	27.7	27.6	26.2	28.7	26.8	27.8	26.4
21	24.6	23.8	25.8	25.2	28.8	25.4	27.6	27.0	28.0	27.0	27.8	26.3
22	24.8	24.1	26.1	25.2	27.2	25.4	27.7	27.1	28.3	27.7	27.8	26.4
23	24.9	24.5	25.8	25.4	29.5	27.2	29.3	27.6	28.8	27.8	27.7	26.9
24	24.8	24.4	26.0	25.6	29.3	27.9	29.9	28.8	29.5	27.1	26.9	24.6
25	24.7	24.5	26.0	25.6	29.0	27.7	29.7	28.6	28.0	26.2	24.7	24.3
26	24.7	24.4	26.0	25.7	29.1	27.7	29.1	28.2	28.1	27.6	26.6	24.7
27	24.6	24.3	25.9	25.7	27.7	26.1	29.1	27.8	27.9	26.3	26.9	26.2
28	24.6	24.3	25.9	25.6	28.8	26.7	29.0	27.9	27.5	26.3	26.8	26.1
29	24.8	24.4	25.9	25.7	29.6	27.8	29.0	27.9	27.5	26.5	26.9	26.2
30	24.8	24.6	25.9	25.7	29.3	28.4	28.8	28.0	27.8	27.3	27.4	26.2
31	---	---	26.0	25.6	---	---	28.8	27.8	27.9	27.1	---	---
Month	24.9	19.3	26.1	23.2	30.2	24.1	29.9	25.2	29.8	26.2	29.3	24.3

	Max	Min
Year	30.2	15.9