

Water-Data Report 2008

02102094 CAPE FEAR POWER PLANT DISCHARGE CANAL NEAR BRICKHAVEN, NC

Cape Fear Basin
Upper Cape Fear Subbasin

LOCATION.--Lat 35°35'05", long 79°02'28" referenced to North American Datum of 1983, Chatham County, NC, Hydrologic Unit 03030004, on left bank, 0.75 mi downstream from Cape Fear Power Plant, 0.83 mi north of Brickhaven.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--April 2008 to September 2008.

GAGE.--Water-stage recorder and acoustic velocity meter. Elevation of gage is 170 ft above National Geodetic Vertical Datum of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are poor.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	340	344	357	348	338	345
2	---	---	---	---	---	---	364	345	362	347	332	333
3	---	---	---	---	---	---	357	e175	359	352	330	335
4	---	---	---	---	---	---	354	e112	362	351	326	330
5	---	---	---	---	---	---	352	348	396	366	370	334
6	---	---	---	---	---	---	358	350	400	360	413	354
7	---	---	---	---	---	---	355	356	359	349	380	281
8	---	---	---	---	---	---	347	352	358	349	321	255
9	---	---	---	---	---	---	360	352	400	347	323	328
10	---	---	---	---	---	---	355	334	409	349	321	345
11	---	---	---	---	---	---	351	319	368	350	317	336
12	---	---	---	---	---	---	352	193	356	351	317	365
13	---	---	---	---	---	---	345	189	352	344	316	368
14	---	---	---	---	---	---	342	181	359	344	314	364
15	---	---	---	---	---	---	355	335	362	344	318	359
16	---	---	---	---	---	---	350	366	354	344	317	360
17	---	---	---	---	---	---	346	360	351	345	314	300
18	---	---	---	---	---	---	348	322	354	343	309	155
19	---	---	---	---	---	---	354	333	293	350	311	170
20	---	---	---	---	---	---	357	356	330	346	306	170
21	---	---	---	---	---	---	355	356	353	341	312	249
22	---	---	---	---	---	---	347	347	333	344	308	308
23	---	---	---	---	---	---	355	353	350	347	304	240
24	---	---	---	---	---	---	353	345	345	348	304	234
25	---	---	---	---	---	---	359	352	348	334	303	217
26	---	---	---	---	---	---	346	357	347	350	304	229
27	---	---	---	---	---	---	349	359	346	349	306	261
28	---	---	---	---	---	---	352	369	348	342	338	368
29	---	---	---	---	---	---	350	348	344	338	344	363
30	---	---	---	---	---	---	350	359	342	336	340	365
31	---	---	---	---	---	---	---	354	---	352	347	---
Total	---	---	---	---	---	---	10,558	9,921	10,697	10,760	10,103	9,021
Mean	---	---	---	---	---	---	352	320	357	347	326	301
Max	---	---	---	---	---	---	364	369	409	366	413	368
Min	---	---	---	---	---	---	340	112	293	334	303	155

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2008 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	---	---	---	---	---	---	352	320	357	347	326	301
Max	---	---	---	---	---	---	352	320	357	347	326	301
(WY)	(---)	(---)	(---)	(---)	(---)	(---)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)
Min	---	---	---	---	---	---	352	320	357	347	326	301
(WY)	(---)	(---)	(---)	(---)	(---)	(---)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)

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SUMMARY STATISTICS

Water Year 2008		
Maximum peak flow	660	Sep 1
Maximum peak stage	6.81	Sep 6
Instantaneous low flow	NOT DETERMINED	

