

APPENDIX D

Flood Insurance Rate Map and LOMRs for Shallcross Lake and its Tributaries

FIS Maps for Shallcross Lake and its Upstream Tributaries

MAP LEGEND:

- REVISED 1% ANNUAL CHANCE 100-YEAR FLOOD HAZARD AREA
- BOUNDARY DIVIDING SPECIAL FLOOD HAZARD ZONES



APPROXIMATE SCALE



NATIONAL FLOOD INSURANCE PROGRAM

FIRM FLOOD INSURANCE RATE MAP
NEW CASTLE COUNTY, DELAWARE
AND INCORPORATED AREAS

PANEL 305 OF 450

(SEE MAP INDEX FOR PANELS NOT PRINTED)

COMMUNITY: WILMINGTON, TOWN OF
 COUNTY: NEW CASTLE COUNTY
 PANEL NUMBER: X0004
 SPECIAL FLOOD HAZARD ZONE: 0005

NOTE: THIS MAP SHOWS FLOOD HAZARD AREAS AS DETERMINED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY. THESE AREAS ARE BASED ON THE BEST AVAILABLE DATA AND SHOULD BE USED AS A GUIDE ONLY. FOR MORE INFORMATION, CONTACT THE FEDERAL EMERGENCY MANAGEMENT AGENCY.

MAP NUMBER
 1000300305 G

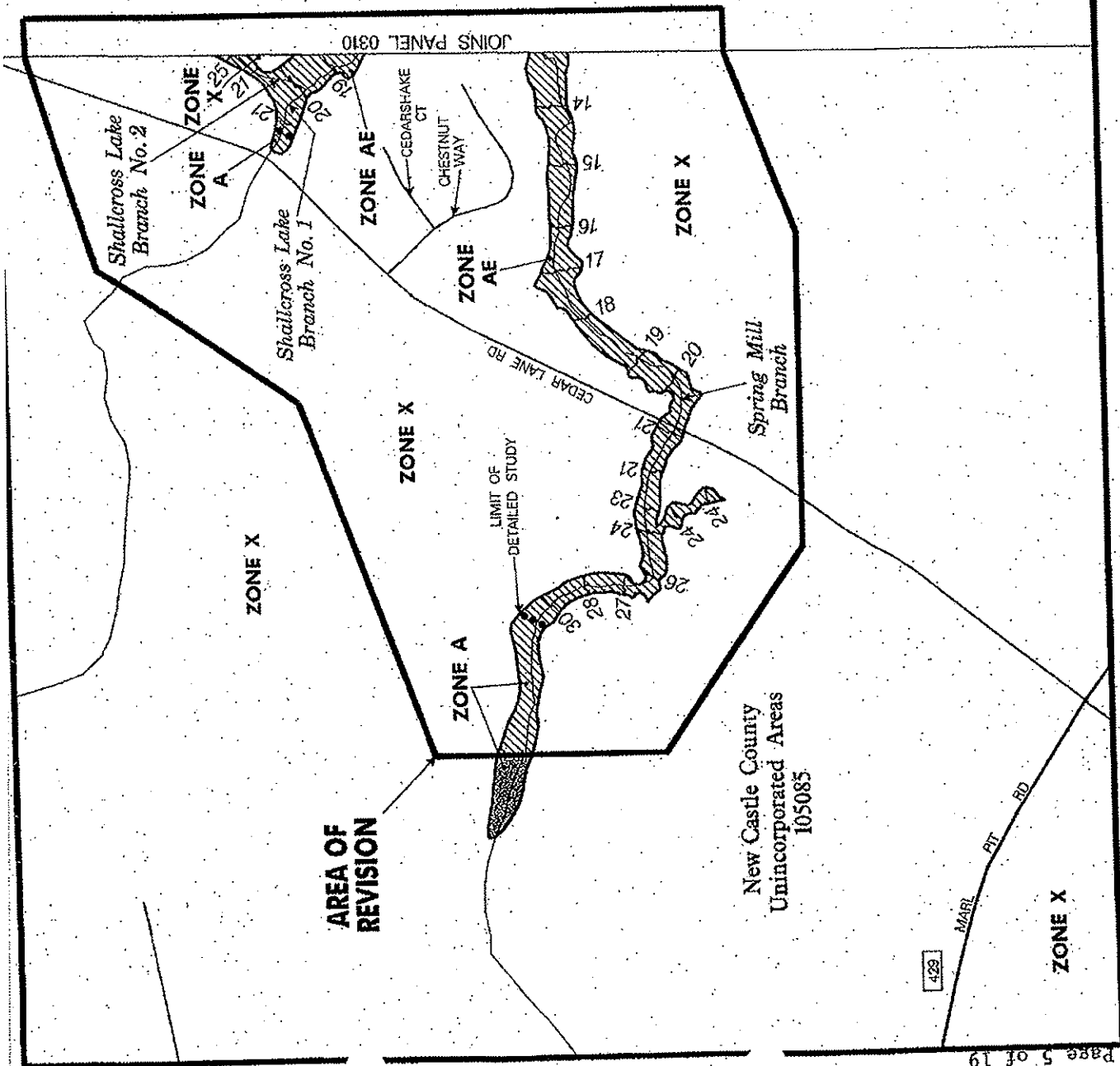
MAP REVISED:
 OCTOBER 6, 2000

REVISED TO REFLECT
 LOMR EFFECTIVE:

AUG 16 2004

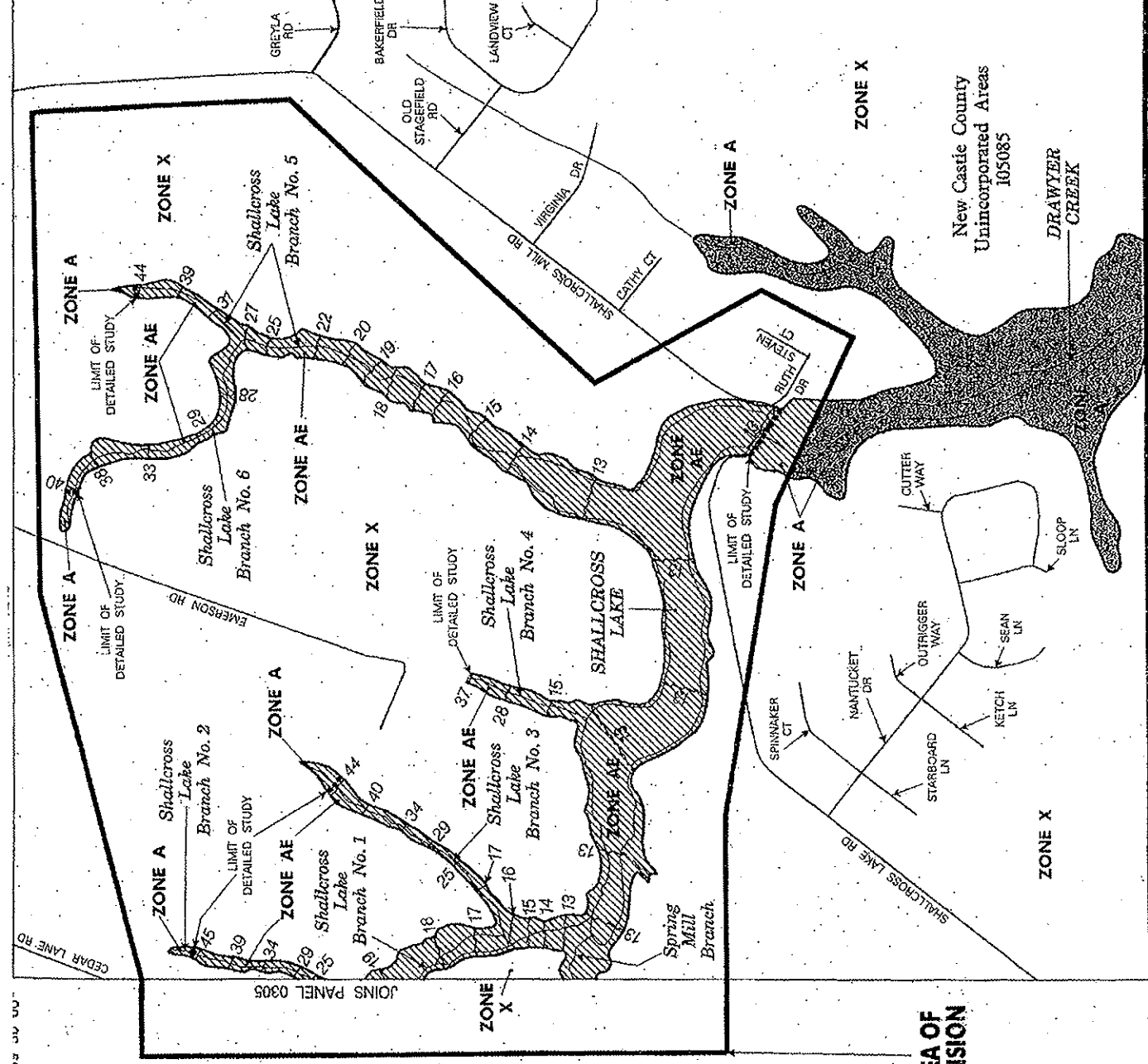


Federal Emergency Management Agency

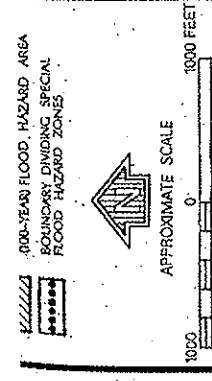


AREA OF REVISION

New Castle County
 Unincorporated Areas
 105085



AREA OF REVISION



NATIONAL FLOOD INSURANCE PROGRAM

FIRM

FLOOD INSURANCE RATE MAP

NEW CASTLE COUNTY, DELAWARE AND INCORPORATED AREAS

PANEL 30 OF 450

USE MAP INDEX FOR PANELS NOT PRINTED.

CONTOUR: NUMBER ZONE SEVERITY

1000	AE	1
2000	X	2
5000		3
10000		4

NOTE: THIS MAP INCLUDES AREAS WHICH ARE NOT INSURABLE UNDER THE NATIONAL FLOOD INSURANCE PROGRAM. THESE AREAS ARE SHOWN WITH A HATCHED PATTERN. THESE AREAS ARE NOT INSURABLE UNDER THE NATIONAL FLOOD INSURANCE PROGRAM.

MAP NUMBER: 1000000310 G

EFFECTIVE DATE: OCTOBER 6, 2000

REVISED TO REFLECT LOMR EFFECTIVE: AUG 16 2004

Federal Emergency Management Agency

**TR-20 Data for Shallcross Lake and its Upstream
Tributaries and Corresponding LOMR dated August 16,
2004**

SHALTR20

*****80-80 LIST OF INPUT DATA FOR TR-20 HYDROLOGY*****

```

JOB TR20
TITLE 001 BAYBERRY: TR-20 RUN: C850
TITLE FOUR SUBAREAS AND THREE REACHES AND A LAKE
3 STRUCT 01
8 9.6 0.0 0.0
8 10.0 85. 50.0
8 11.0 667. 107.25
8 12.0 1725. 167.5
8 13.0 3219. 231.25
8 14.0 5409. 298.5
8 15.0 7000. 369.25
9 ENDTBL
6 RUNOFF 1 001 1 1.86 66.84 1.0 1 1 1
6 RUNOFF 1 002 2 2.41 64.72 1.0 1 1 1
6 ADDHYD 4 003 2 1 3 1 1 1
6 REACH 3 004 3 4 500. 0.4 1.33 1 1 1
6 RUNOFF 1 005 5 0.32 61.24 0.50 1 1 1
6 ADDHYD 4 006 5 4 6 1 1 1
6 REACH 3 007 6 7 2800. 0.4 1.33 1 1 1
6 RUNOFF 1 008 1 1.20 63.02 0.80 1 1 1
6 ADDHYD 4 009 1 7 2 1 1 1
6 REACH 3 010 2 3 1000. 0.4 1.33 1 1 1
6 RESVOR 2 01 3 4 9.0 1 1 1 1
ENDATA
7 INCREM 6 0.10
7 COMPUT 7 001 01 0.0 7.2 1.0 2 2 01 01
ENDCMP 1
ENDJOB 2
    
```

*****END OF 80-80 LIST*****

```

1
TR20 ----- SCS -
                BAYBERRY: TR-20 RUN: C850                VERSION
08/15/**        FOUR SUBAREAS AND THREE REACHES AND A LAKE 2.04TEST
10:25:57        PASS 1 JOB NO. 1                          PAGE 1
    
```

COMPUTER PROGRAM FOR PROJECT FORMULATION - HYDROLOGY USER NOTES

The Users' Manual for this program is SCS Technical Release 20 (TR-20), dated April 1990. The TR-20 program is no longer supported on the mainframe since all post 1986 program changes have only been in the IBM compatible microcomputer environment.

Compatible input and data check programs are TR20INPT.EXE, version III, dated 01/30/90 and TR20CK.EXE, version II, which is forthcoming.

Major changes from the 1986 TR-20 microcomputer version are:

HYDROGRAPH GENERATION: program procedure to develop runoff hydrographs revised to preserve total hydrograph volume as well as the peak discharge. Hydrographs can contain up to four hundred main time increment points from the beginning of runoff.

ATTKIN ROUTING: separate channel and floodplain lengths can be entered to define additional storage in meandering channels below the representative low

SHALTR20

ground elevation. Program changes have been made to better handle multiple peaked hydrographs.

FLOW DURATION: can be obtained if requested.

OUTPUT 80 COLUMNS: Output fits 80 column paper. Hydrograph coordinates over 100 cfs are rounded and shown as whole numbers.

ERRORS, WARNINGS, AND MESSAGES: expanded and updated.

LIST OPTIONS: can print all or selected parts of input data.

INTERMEDIATE PEAKS: requires new IPEAKS record.

1
 TR20 ----- SCS -
 BAYBERRY: TR-20 RUN: C850 VERSION
 08/15/** FOUR SUBAREAS AND THREE REACHES AND A LAKE 2.04TEST
 10:25:57 PASS 1 JOB NO. 1 PAGE 2

EXECUTIVE CONTROL INCREM MAIN TIME INCREMENT = .100 HOURS 250

EXECUTIVE CONTROL COMPUT FROM XSECTION 1 TO STRUCTURE 1 260
 STARTING TIME = .00 RAIN DEPTH = 7.20 RAIN DURATION = 1.00
 ANT. RUNOFF COND. = 2 MAIN TIME INCREMENT = .100 HOURS
 ALTERNATE NO. = 0 STORM NO. = 1 RAIN TABLE NO. = 2

OPERATION RUNOFF XSECTION 1
 PEAK TIME(HRS) 12.51 PEAK DISCHARGE(CFS) 2191.7 PEAK ELEVATION(FEET)
 (RUNOFF)
 RUNOFF ABOVE BASEFLOW (BASEFLOW = .00 CFS)
 3.45 WATERSHED INCHES; 4140 CFS-HRS; 342.1 ACRE-FEET.
 DURATION(HRS) 2 4 6 8 10 12 14 16
 FLOW(CFS) 424 197 141 110 88 81 40 4
 DURATION(HRS) 17
 FLOW(CFS) 0

OPERATION RUNOFF XSECTION 2
 PEAK TIME(HRS) 12.52 PEAK DISCHARGE(CFS) 2639.2 PEAK ELEVATION(FEET)
 (RUNOFF)
 RUNOFF ABOVE BASEFLOW (BASEFLOW = .00 CFS)
 3.23 WATERSHED INCHES; 5021 CFS-HRS; 414.9 ACRE-FEET.
 DURATION(HRS) 2 4 6 8 10 12 14 16
 FLOW(CFS) 518 246 174 135 109 101 40 3
 DURATION(HRS) 17

SHALTR20

FLOW(CFS) 0

OPERATION ADDHYD XSECTION 3

PEAK TIME(HRS) 12.51 PEAK DISCHARGE(CFS) 4830.5 PEAK ELEVATION(FEET) (NULL)

RUNOFF ABOVE BASEFLOW (BASEFLOW = .00 CFS)
3.32 WATERSHED INCHES; 9161 CFS-HRS; 757.0 ACRE-FEET.

1

TR20 ----- SCS -
08/15/** BAYBERRY: TR-20 RUN: C850 VERSION 2.04TEST
10:25:57 FOUR SUBAREAS AND THREE REACHES AND A LAKE PASS 1 JOB NO. 1 PAGE 3

DURATION(HRS)	2	4	6	8	10	12	14	16
FLOW(CFS)	937	443	313	244	197	182	74	7

DURATION(HRS) 18
FLOW(CFS) 0

OPERATION REACH XSECTION 4

PEAK TIME(HRS) 12.51 PEAK DISCHARGE(CFS) 4830.5 PEAK ELEVATION(FEET) (NULL)

RUNOFF ABOVE BASEFLOW (BASEFLOW = .00 CFS)
3.32 WATERSHED INCHES; 9161 CFS-HRS; 757.0 ACRE-FEET.

DURATION(HRS)	2	4	6	8	10	12	14	16
FLOW(CFS)	937	443	313	244	197	182	74	7

DURATION(HRS) 18
FLOW(CFS) 0

OPERATION RUNOFF XSECTION 5

PEAK TIME(HRS) 12.20 PEAK DISCHARGE(CFS) 487.7 PEAK ELEVATION(FEET) (RUNOFF)

RUNOFF ABOVE BASEFLOW (BASEFLOW = .00 CFS)
2.87 WATERSHED INCHES; 592 CFS-HRS; 49.0 ACRE-FEET.

DURATION(HRS)	2	4	6	8	10	12	14	15
FLOW(CFS)	49	28	21	16	13	12	2	0

OPERATION ADDHYD XSECTION 6

PEAK TIME(HRS) 12.49 PEAK DISCHARGE(CFS) 5089.1 PEAK ELEVATION(FEET) (NULL)

RUNOFF ABOVE BASEFLOW (BASEFLOW = .00 CFS)
3.29 WATERSHED INCHES; 9753 CFS-HRS; 806.0 ACRE-FEET.

DURATION(HRS)	2	4	6	8	10	12	14	16
FLOW(CFS)	1057	470	333	260	210	194	77	7

DURATION(HRS) 18

SHALTR20

1 FLOW(CFS) 0

TR20 ----- SCS -
 BAYBERRY: TR-20 RUN: C850 VERSION
 08/15/** FOUR SUBAREAS AND THREE REACHES AND A LAKE 2.04TEST
 10:25:57 PASS 1 JOB NO. 1 PAGE 4

OPERATION REACH XSECTION 7

PEAK TIME(HRS) 12.68 PEAK DISCHARGE(CFS) 4847.8 PEAK ELEVATION(FEET) (NULL)

RUNOFF ABOVE BASEFLOW (BASEFLOW = .00 CFS)
 3.29 WATERSHED INCHES; 9753 CFS-HRS; 806.0 ACRE-FEET.

DURATION(HRS)	2	4	6	8	10	12	14	16
FLOW(CFS)	1068	481	337	263	210	195	79	7

DURATION(HRS) 18
 FLOW(CFS) 0

OPERATION RUNOFF XSECTION 8

PEAK TIME(HRS) 12.39 PEAK DISCHARGE(CFS) 1404.0 PEAK ELEVATION(FEET) (RUNOFF)

RUNOFF ABOVE BASEFLOW (BASEFLOW = .00 CFS)
 3.05 WATERSHED INCHES; 2365 CFS-HRS; 195.4 ACRE-FEET.

DURATION(HRS)	2	4	6	8	10	12	14	16
FLOW(CFS)	225	114	82	64	52	49	14	0

OPERATION ADDHYD XSECTION 9

PEAK TIME(HRS) 12.61 PEAK DISCHARGE(CFS) 5957.3 PEAK ELEVATION(FEET) (NULL)

RUNOFF ABOVE BASEFLOW (BASEFLOW = .00 CFS)
 3.24 WATERSHED INCHES; 12118 CFS-HRS; 1001.4 ACRE-FEET.

DURATION(HRS)	2	4	6	8	10	12	14	16
FLOW(CFS)	1355	592	418	326	262	244	98	8

DURATION(HRS) 18
 FLOW(CFS) 0

OPERATION REACH XSECTION 10

PEAK TIME(HRS) 12.61 PEAK DISCHARGE(CFS) 5957.3 PEAK ELEVATION(FEET) (NULL)

1 TR20 ----- SCS -
 BAYBERRY: TR-20 RUN: C850 VERSION
 08/15/** FOUR SUBAREAS AND THREE REACHES AND A LAKE 2.04TEST
 10:25:57 PASS 1 JOB NO. 1 PAGE 5

RUNOFF ABOVE BASEFLOW (BASEFLOW = .00 CFS)
 Page 4

SHALTR20
3.24 WATERSHED INCHES; 12118 CFS-HRS; 1001.4 ACRE-FEET.

DURATION(HRS)	2	4	6	8	10	12	14	16
FLOW(CFS)	1355	592	418	326	262	244	98	8

DURATION(HRS) 18
FLOW(CFS) 0

OPERATION RESVOR STRUCTURE 1

PEAK TIME(HRS)	PEAK DISCHARGE(CFS)	PEAK ELEVATION(FEET)
13.11	3877.5	13.30

		HYDROGRAPH POINTS FOR ALTERNATE = 0, STORM = 1							
		DRAINAGE AREA = 5.79 SQ.MI.							
HRS	MAIN TIME	INCREMENT = .100 hr,							
12.00	CFS	-21	3	41	130	502	1063	1711	2446
12.00	ELEV	9.50	9.61	9.79	10.08	10.72	11.37	11.99	12.48
12.80	CFS	3017	3482	3781	3876	3822	3671	3461	3221
12.80	ELEV	12.86	13.12	13.26	13.30	13.28	13.21	13.11	13.00
13.60	CFS	3035	2841	2647	2458	2278	2109	1952	1807
13.60	ELEV	12.88	12.75	12.62	12.49	12.37	12.26	12.15	12.05
14.40	CFS	1686	1592	1503	1420	1342	1269	1202	1141
14.40	ELEV	11.96	11.87	11.79	11.71	11.64	11.57	11.51	11.45
15.20	CFS	1084	1031	983	940	900	863	829	798
15.20	ELEV	11.39	11.34	11.30	11.26	11.22	11.19	11.15	11.12
16.00	CFS	769	742	717	694	672	658	646	634
16.00	ELEV	11.10	11.07	11.05	11.03	11.00	10.98	10.96	10.94
16.80	CFS	622	610	599	588	577	567	557	547
16.80	ELEV	10.92	10.90	10.88	10.86	10.85	10.83	10.81	10.79
17.60	CFS	538	529	520	511	503	496	488	481
17.60	ELEV	10.78	10.76	10.75	10.73	10.72	10.71	10.69	10.68
18.40	CFS	473	466	460	453	446	440	434	428
18.40	ELEV	10.67	10.66	10.64	10.63	10.62	10.61	10.60	10.59
19.20	CFS	422	416	410	404	398	393	387	382
19.20	ELEV	10.58	10.57	10.56	10.55	10.54	10.53	10.52	10.51
20.00	CFS	376	371	365	360	355	350	344	339
20.00	ELEV	10.50	10.49	10.48	10.47	10.46	10.45	10.45	10.44
20.80	CFS	335	330	325	321	317	313	309	305
20.80	ELEV	10.43	10.42	10.41	10.41	10.40	10.39	10.38	10.38
21.60	CFS	302	299	295	293	290	287	285	282
21.60	ELEV	10.37	10.37	10.36	10.36	10.35	10.35	10.34	10.34
22.40	CFS	280	278	276	274	272	270	268	267
22.40	ELEV	10.34	10.33	10.33	10.32	10.32	10.32	10.32	10.31
23.20	CFS	265	264	262	261	259	258	256	255
23.20	ELEV	10.31	10.31	10.30	10.30	10.30	10.30	10.29	10.29
24.00	CFS	254	253	251	249	247	243	238	232
24.00	ELEV	10.29	10.29	10.29	10.28	10.28	10.27	10.26	10.25
24.80	CFS	224	214	204	193	182	171	160	149

1

TR20 ----- SCS -

08/15/**	BAYBERRY: TR-20 RUN: C850						VERSION
10:25:57	FOUR SUBAREAS AND THREE REACHES AND A LAKE						2.04TEST
	PASS	1	JOB NO.	1		PAGE	6

24.80	ELEV	10.24	10.22	10.20	10.19	10.17	10.15	10.13	10.11
25.60	CFS	138	128	119	110	102	94	87	84
25.60	ELEV	10.09	10.07	10.06	10.04	10.03	10.02	10.00	10.00
26.40	CFS	83.00	81.87	80.75	79.63	78.53	77.44	76.37	75.30
26.40	ELEV	9.99	9.99	9.98	9.97	9.97	9.96	9.96	9.95
27.20	CFS	74.25	73.22	72.20	71.19	70.20	69.22	68.25	67.30
27.20	ELEV	9.95	9.94	9.94	9.94	9.93	9.93	9.92	9.92
28.00	CFS	66.36	65.44	64.52	63.62	62.74	61.86	61.00	60.15

SHALTR20

28.00	ELEV	9.91	9.91	9.90	9.90	9.90	9.89	9.89	9.88
28.80	CFS	59.31	58.48	57.66	56.86	56.07	55.28	54.51	53.75
28.80	ELEV	9.88	9.88	9.87	9.87	9.86	9.86	9.86	9.85
29.60	CFS	53.00	52.26	51.53	50.81	50.11	49.41	48.72	48.04
29.60	ELEV	9.85	9.85	9.84	9.84	9.84	9.83	9.83	9.83
30.40	CFS	47.37	46.71	46.05	45.41	44.78	44.15	43.54	42.93
30.40	ELEV	9.82	9.82	9.82	9.81	9.81	9.81	9.80	9.80
31.20	CFS	42.33	41.74	41.16	40.58	40.02	39.46	38.91	38.37
31.20	ELEV	9.80	9.80	9.79	9.79	9.79	9.79	9.78	9.78
32.00	CFS	37.83	37.30	36.78	36.27	35.76	35.26	34.77	34.29
32.00	ELEV	9.78	9.78	9.77	9.77	9.77	9.77	9.76	9.76
32.80	CFS	33.81	33.34	32.87	32.41	31.96	31.52	31.08	30.64
32.80	ELEV	9.76	9.76	9.75	9.75	9.75	9.75	9.75	9.74
33.60	CFS	30.21	29.79	29.38	28.97	28.56	28.17	27.77	27.38
33.60	ELEV	9.74	9.74	9.74	9.74	9.73	9.73	9.73	9.73
34.40	CFS	27.00	26.63	26.25	25.89	25.53	25.17	24.82	24.47
34.40	ELEV	9.73	9.73	9.72	9.72	9.72	9.72	9.72	9.72
35.20	CFS	24.13	23.80	23.46	23.14	22.81	22.49	22.18	21.87
35.20	ELEV	9.71	9.71	9.71	9.71	9.71	9.71	9.70	9.70
36.00	CFS	21.57	21.27	20.97	20.68	20.39	20.10	19.82	19.55
36.00	ELEV	9.70	9.70	9.70	9.70	9.70	9.69	9.69	9.69
36.80	CFS	19.27	19.00	18.74	18.48	18.22	17.97	17.72	17.47
36.80	ELEV	9.69	9.69	9.69	9.69	9.69	9.68	9.68	9.68
37.60	CFS	17.22	16.98	16.75	16.51	16.28	16.06	15.83	15.61
37.60	ELEV	9.68	9.68	9.68	9.68	9.68	9.68	9.67	9.67
38.40	CFS	15.39	15.18	14.97	14.76	14.55	14.35	14.15	13.95
38.40	ELEV	9.67	9.67	9.67	9.67	9.67	9.67	9.67	9.67
39.20	CFS	13.76	13.56	13.38	13.19	13.01	12.82	12.64	12.47
39.20	ELEV	9.66	9.66	9.66	9.66	9.66	9.66	9.66	9.66
40.00	CFS	12.29	12.12	11.95	11.79	11.62	11.46	11.30	11.14
40.00	ELEV	9.66	9.66	9.66	9.66	9.65	9.65	9.65	9.65
40.80	CFS	10.99	10.83	10.68	10.53	10.39	10.24	10.10	9.96
40.80	ELEV	9.65	9.65	9.65	9.65	9.65	9.65	9.65	9.65
41.60	CFS	9.82	9.68	9.55	9.41	9.28	9.15	9.03	8.90
41.60	ELEV	9.65	9.65	9.64	9.64	9.64	9.64	9.64	9.64
42.40	CFS	8.78	8.65	8.53	8.41	8.30	8.18	8.07	7.95
42.40	ELEV	9.64	9.64	9.64	9.64	9.64	9.64	9.64	9.64
43.20	CFS	7.84	7.73	7.63	7.52	7.41	7.31	7.21	7.11
43.20	ELEV	9.64	9.64	9.64	9.64	9.63	9.63	9.63	9.63
44.00	CFS	7.01	6.91	6.81	6.72	6.63	6.53	6.44	6.35
44.00	ELEV	9.63	9.63	9.63	9.63	9.63	9.63	9.63	9.63

1

TR20 ----- SCS -

08/15/** BAYBERRY: TR-20 RUN: C850 VERSION
 10:25:57 FOUR SUBAREAS AND THREE REACHES AND A LAKE 2.04TEST
 PASS 1 JOB NO. 1 PAGE 7

44.80	CFS	6.26	6.18	6.09	6.01	5.92	5.84	5.76	5.68
44.80	ELEV	9.63	9.63	9.63	9.63	9.63	9.63	9.63	9.63
45.60	CFS	5.60	5.52	5.44	5.37	5.29	5.22	5.15	5.07
45.60	ELEV	9.63	9.63	9.63	9.63	9.62	9.62	9.62	9.62
46.40	CFS	5.00	4.93	4.86	4.80	4.73	4.66	4.60	4.53
46.40	ELEV	9.62	9.62	9.62	9.62	9.62	9.62	9.62	9.62
47.20	CFS	4.47	4.41	4.35	4.29	4.23	4.17	4.11	4.05
47.20	ELEV	9.62	9.62	9.62	9.62	9.62	9.62	9.62	9.62
48.00	CFS	4.00	3.94	3.88	3.83	3.78	3.72		
48.00	ELEV	9.62	9.62	9.62	9.62	9.62	9.62		

RUNOFF ABOVE BASEFLOW (BASEFLOW = .00 CFS)
 2.99 WATERSHED INCHES; 11184 CFS-HRS; 924.2 ACRE-FEET.

DURATION(HRS)	4	8	12	16	20	24	28	32
FLOW(CFS)	658	355	247	64	37	21	12	7

SHALTR20

DURATION(HRS) 36 36
 FLOW(CFS) 4 4 TRUNCATED

EXECUTIVE CONTROL ENDCMP COMPUTATIONS COMPLETED FOR PASS 1 270

1 TR20 ----- SCS -
 08/15/** BAYBERRY: TR-20 RUN: C850 VERSION
 10:25:57 FOUR SUBAREAS AND THREE REACHES AND A LAKE 2.04TEST
 SUMMARY, JOB NO. 1 PAGE 8

SUMMARY TABLE 1

SELECTED RESULTS OF STANDARD AND EXECUTIVE CONTROL IN ORDER PERFORMED.
 A CHARACTER FOLLOWING THE PEAK DISCHARGE TIME AND RATE (CFS) INDICATES:
 F--FLAT TOP HYDROGRAPH T--TRUNCATED HYDROGRAPH R--RISING TRUNCATED HYDROGRAPH

XSECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RUNOFF AMOUNT (IN)	PEAK DISCHARGE				
				ELEVATION (FT)	TIME (HR)	RATE (CFS)	RATE (CSM)	
RAINFALL OF 7.20 inches AND 24.00 hr DURATION, BEGINS AT .0 hrs.								
RAINTABLE NUMBER 2, ARC 2								
MAIN TIME INCREMENT .100 HOURS								
ALTERNATE		0	STORM	1				
XSECTION	1	RUNOFF	1.86	3.45	---	12.51	2192	1178.5
XSECTION	2	RUNOFF	2.41	3.23	---	12.52	2639	1095.0
XSECTION	3	ADDHYD	4.27	3.32	---	12.51	4830	1131.1
XSECTION	4	REACH	4.27	3.32	---	12.51	4830	1131.1
XSECTION	5	RUNOFF	.32	2.87	---	12.20	488	1525.0
XSECTION	6	ADDHYD	4.59	3.29	---	12.49	5089	1108.7
XSECTION	7	REACH	4.59	3.29	---	12.68	4848	1056.2
XSECTION	8	RUNOFF	1.20	3.05	---	12.39	1404	1170.0
XSECTION	9	ADDHYD	5.79	3.24	---	12.61	5957	1028.8
XSECTION	10	REACH	5.79	3.24	---	12.61	5957	1028.8
STRUCTURE	1	RESVOR	5.79	2.99	13.30	13.11	3878	669.8

1 TR20 ----- SCS -
 08/15/** BAYBERRY: TR-20 RUN: C850 VERSION
 10:25:57 FOUR SUBAREAS AND THREE REACHES AND A LAKE 2.04TEST
 SUMMARY, JOB NO. 1 PAGE 9

SUMMARY TABLE 2

MODIFIED ATT-KIN REACH ROUTING IN ORDER PERFORMED.
 QUESTION MARK (?) AFTER: OUTFLOW PEAK - MAX. NUMBER ROUTING ITERATIONS USED;
 LENGTH FACTOR - VALUE K* GREATER THAN 1.0;
 ATT-KIN COEFF - VALUE C GREATER THAN 0.667.

XSEC REACH ID LENGTH	FLOOD PLAIN LENGTH	HYDROGRAPH INFORMATION				ROUTING PARAMETERS				
		INFLOW PEAK (CFS)	TIME (HR)	OUTFLOW PEAK (CFS)	TIME (HR)	Q-A EQ. COEFF (X)	POWER (M)	LENGTH FACTOR (k*)	PEAK RATIO Q/I (Q*)	ATT- KIN COEFF (C)

SHALTR20

BASEFLOW IS .0 CFS

ALTERNATE 0 STORM 1

4	500	4829	12.5	4829	12.5	.40	1.33	.005	1.000	1.00?
7	2800	5087	12.5	4843	12.7	.40	1.33	.045	.952	.53
10	1000	5954	12.6	5954	12.6	.40	1.33	.010	1.000	1.00?

1

TR20 ----- SCS -
 08/15/** BAYBERRY: TR-20 RUN: C850 VERSION
 10:25:57 FOUR SUBAREAS AND THREE REACHES AND A LAKE 2.04TEST
 SUMMARY, JOB NO. 1 PAGE 10

SUMMARY TABLE 3

STORM DISCHARGES (CFS) AT XSECTIONS AND STRUCTURES FOR ALL ALTERNATES
 QUESTION MARK (?) AFTER: OUTFLOW PEAK - RISING TRUNCATED HYDROGRAPH.

XSECTION/ STRUCTURE ID	DRAINAGE AREA (SQ MI)	STORM NUMBERS..... 1
STRUCTURE 1	5.79	
ALTERNATE 0		3878
XSECTION 1	1.86	
ALTERNATE 0		2192
XSECTION 2	2.41	
ALTERNATE 0		2639
XSECTION 3	4.27	
ALTERNATE 0		4830
XSECTION 4	4.27	
ALTERNATE 0		4830
XSECTION 5	.32	
ALTERNATE 0		488
XSECTION 6	4.59	
ALTERNATE 0		5089
XSECTION 7	4.59	
ALTERNATE 0		4848
XSECTION 8	1.20	
ALTERNATE 0		1404
XSECTION 9	5.79	

SHALTR20

ALTERNATE 0
XSECTION 10 5.79

5957

ALTERNATE 0

5957

1

TR20

08/15/**

BAYBERRY: TR-20 RUN: C850
FOUR SUBAREAS AND THREE REACHES AND A LAKE

SCS -
VERSION
2.04TEST

END OF 1 JOBS IN THIS RUN

SCS TR-20, VERSION 2.04TEST
FILES

INPUT = a:shaltr20.dat
OUTPUT = a:shaltr20.OUT

, GIVEN DATA FILE
, DATED 08/15/**,10:25:57

FILES GENERATED - DATED 08/15/**,10:25:57

FILE a:shaltr20.TMG CONTAINS MESSAGE + WARNING INFORMATION

TOTAL NUMBER OF WARNINGS = 5, MESSAGES = 1

*** TR-20 RUN COMPLETED ***

1007

CASE HISTORY

COMMUNITY (TYPE): New Castle County (Unincorporated Areas)		COUNTY: New Castle	STATE: DE
CID#: 105085	JOB/BU: 62175104	COST CODE: 16Y26000	WORK ORDER: 04000549
CASE NUMBER: 04-03-031P			
FLOODING SOURCE(S): Shallcross Lake and tributaries			
IDENTIFIER: Bayberry Subdivision			
ESL/PROJECT LEADER/ANALYST: KAB / GYP / GYP			

CEO	Floodplain Administrator	CC's
Mr. Thomas P. Gordon New Castle County Executive New Castle County Govt. Center 87 Reads Way New Castle, Delaware 19720 (302) 395-5102	Mr. Charlie Baker New Castle County General Manager of Land Use New Castle County Govt. Center 87 Reads Way New Castle, Delaware 19720 (302) 395-5102	Mr. E. Lowell Jacobs, P.E. Landmark Engineering One Corporate Commons Suite 301 100 West Commons Boulevard New Castle, Delaware 19720 (302) 323-9377
<i>Date Checked:</i> 01-07-04	<i>Date Checked:</i> 01-07-04	<i>Date Checked:</i> 01-07-04

PROCESSING INFORMATION

Type of Action: 102

Effective Flood Hazards: Approximate (Zone A) ,

Map Panels Being Revised: New Castle County and Incorporated Areas FIRM numbers 10003C0305 G and 10003C0310 G, both dated October 6, 2000

From **annotated FIRM** panel and profile, requestor wants to revise or conditionally revise:

Zone A Floodplain		Other:
100-Year Floodplain	BFEs	

The revision, as proposed, will involve at least some *increase* in:

If a LOMR with increases, have we received property owner: _____

If a CLOMR, are there increases (existing conditions model vs. proposed conditions model) based on proposed encroachments within floodway? ____ If yes, do we have all applicable 65.12 material? ____

Basis of Request: Hydrologic Topographic Coastal
 Hydraulic Approximate Other: _____

Project Involves: Updated Info, _____, Other: _____

Model(s)/Data provided: HEC-2, TR-20
 These model(s)/data are on the acceptable models list.

The model type provided is _____ that used in the effective and _____, n/a

REGULATIONS

(check those that apply) 65.7 (floodway) 65.12 (conditional) 65.5 (fill)
 65.6 (BFE changes) 65.10 (levee) 65.11 (primary frontal dune)

Have all applicable regulations been complied with? YES NO

Part 60.3 (community floodplain management responsibilities for participation): D (community with BFEs and Floodway)

Do we need state concurrence? YES NO If yes, did we receive? YES NO

PROCESSING DATES

Received at D&D: 12-04-03 ACK Letter: 01-15-04 FEE: Date Received: - -
 AD Letter: 1) 01-15-04 2) - - 3) - - Amount: \$exempt
 Data Received: 1) 02-25-04 2) - - 3) - -
 Monitoring Notes: 1) - - 2) - - 3) - - (*copies should be included in case file*)
 ALL DATA RECEIVED: 02-25-04 REVIEW COMPLETE: 03-30-04

Case Overview (Provide brief executive summary of the request):

This LOMR is to revise the Zone A along Shallcross Lake and four unnamed tributaries (one tributary is to another tributary) to Shallcross Lake in the unincorporated areas of New Castle County, DE. The effective flooding is Zone A. This study was based upon TR-20 hydrology and HEC-2 hydraulic modeling, and was mapped using more detailed topography.

ACTIVE/HISTORICAL ACTIONS CHECK

Initial Date Checked: 01-07-04 Final Date Checked: - -

	<u>Checked?</u>	<u>Location</u>	<u>Includes</u>
D&D Revisions:	<input checked="" type="checkbox"/>	STATUS	All actions
G&O Revisions:	<input type="checkbox"/>	G&O Printouts	All actions for Regions IV and V
Regional LOMAs:	<input checked="" type="checkbox"/>	STATUS	LOMAs/LOMR-Fs by Regional Offices
		Compendium Notebooks	
		LOMC Publication	
Studies Underway:	<input checked="" type="checkbox"/>	Contract Report	
5-Year Data Check:	<input checked="" type="checkbox"/>	S:\mapdata\5yrmap	(<i>see memo dated 3/11/98</i>)

Complete the FIS Data List while conducting your check. List below any case that is pertinent to this revision:

TYPE	CASE#	COMMENTS
	- -	
	- -	
	- -	
	- -	
	- -	

BUDGET

Total Estimate from eBud:							
	STEN	SPF	SLDR	PRAD	SRAD	TWRT	GDSP



FEMA

U.S. Department of Homeland Security
Region III
One Independence Mall, Sixth Floor
615 Chestnut Street
Philadelphia, PA 19106-4404

April 30, 2004

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Thomas P. Gordon
New Castle County Executive
New Castle County Government Center
87 Reads Way
New Castle, Delaware 19720

IN REPLY REFER TO:

Case Number: 04-03-031P
Community Name: New Castle County, Delaware
(Unincorporated Areas)
Community Number: 105085
Effective Date of
this Revision: August 16, 2004

Dear Mr. Gordon:

The Flood Insurance Study (FIS) report and Flood Insurance Rate Map (FIRM) for your community have been revised by this Letter of Map Revision (LOMR). Please use the enclosed annotated map panel(s) revised by this LOMR for floodplain management purposes and for all flood insurance policies and renewals issued in your community.

Additional documents are enclosed which provide information regarding this LOMR. Please see the List of Enclosures below to determine which documents are included. Other attachments specific to this request may be included as referenced in the Determination Document. If you have any questions regarding floodplain management regulations for your community or the National Flood Insurance Program (NFIP) in general, please contact the Consultation Coordination Officer (CCO) for your community. If you have any technical questions regarding this LOMR, please contact Jon Janowicz, Federal Insurance and Mitigation Division at (215) 931-5524, or the Federal Emergency Management Agency (FEMA) Map Assistance Center toll free at 1-877-336-2627 (1-877-FEMA MAP). Additional information about the NFIP is available on our web site at <http://www.fema.gov/nfip>.

Sincerely,

Eugene K. Gruber, P.E., Director
Mitigation Division

List of Enclosures:

Letter of Map Revision Determination Document
Annotated Flood Insurance Rate Map
Annotated Flood Insurance Study Report
List of Current Flood Insurance Study Data

cc: Mr. Charlie Baker, New Castle County General Manager of Land Use
Mr. E. Lowell Jacobs, P.E., Landmark Engineering



FEMA

U.S. Department of Homeland Security
 Region III
 One Independence Mall, Sixth Floor
 615 Chestnut Street
 Philadelphia, PA 19106-4404

LETTER OF MAP REVISION DETERMINATION DOCUMENT

COMMUNITY AND REVISION INFORMATION		PROJECT DESCRIPTION	BASIS OF REQUEST
COMMUNITY	New Castle County, Delaware (Unincorporated Areas)	NO PROJECT	HYDROLOGIC ANALYSIS HYDRAULIC ANALYSIS NEW TOPOGRAPHIC DATA
	COMMUNITY NO.: 105085		
IDENTIFIER	Bayberry Subdivision	APPROXIMATE LATITUDE & LONGITUDE: 39.485, -75.678 SOURCE: PRECISION MAPPING STREETS 6.0 DATUM: NAD 83	
FLOODING SOURCE(S) & REVISED REACH(ES)	SHALLCROSS LAKE - Along the shoreline SHALLCROSS LAKE BRANCH NO. 1 - From the confluence with Shallcross Lake to a point approximately 100 feet downstream of Cedar Lane Road SHALLCROSS LAKE BRANCH NO. 2 - From the confluence with Shallcross Lake Branch No. 1 to a point approximately 1,700 feet upstream of the confluence with Shallcross Lake Branch No. 1. SHALLCROSS LAKE BRANCH NO. 3 - From the confluence with Shallcross Lake Branch No. 1 to a point approximately 2,300 feet upstream of the confluence with Shallcross Lake Branch No. 1 SHALLCROSS LAKE BRANCH NO. 4 - From the confluence with Shallcross Lake to a point approximately 1,000 feet upstream of the confluence with Shallcross Lake SHALLCROSS LAKE BRANCH NO. 5 - From the confluence with Shallcross Lake to a point approximately 1,200 feet upstream of the confluence of Shallcross Lake Branch No. 6 SHALLCROSS LAKE BRANCH NO. 6 - From the confluence with Shallcross Lake Branch No. 5 to a point approximately 2,460 feet upstream of the confluence with Shallcross Lake Branch No. 5. SPRING MILL BRANCH - From the confluence with Shallcross Lake to a point approximately 2,900 feet upstream of Cedar Lane Road		

SUMMARY OF REVISIONS

Effective Flooding:	Zone A	Zone A
Revised Flooding:	Zone AE	BFEs*
Increases:	YES	NONE
Decreases:	YES	NONE

* BFEs - Base Flood Elevations

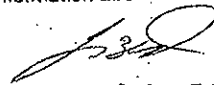
ANNOTATED MAPPING ENCLOSURES		ANNOTATED FLOOD INSURANCE STUDY (FIS) ENCLOSURES
TYPE: FIRM*	NO: 10003C0305G Date: October 6, 2000	DATE OF EFFECTIVE FIS REPORT: October 6, 2000
TYPE: FIRM*	NO: 10003C0310G Date: October 6, 2000	SUMMARY OF DISCHARGES TABLE
		STILLWATER ELEVATION TABLE
		NEW PROFILES: Sheets 1 through 7 of 7

* FIRM - Flood Insurance Rate Map; ** FBFM - Flood Boundary and Floodway Map; *** FHBM - Flood Hazard Boundary Map

DETERMINATION

This document provides the determination from Federal Emergency Management Agency (FEMA) regarding a request for a Letter of Map Revision (LOMR) for the area described above. Using the information submitted, we have determined that a revision to the flood hazards depicted in the Flood Insurance Study and/or National Flood Insurance Program (NFIP) map is warranted. This document revises the effective NFIP map, as indicated in the attached documentation. Please use the enclosed annotated map panels revised by this LOMR for floodplain management purposes and for all flood insurance policies and renewals in your community.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact Jon Janowicz at (215) 931-5524, or the FEMA Map Assistance Center toll free at 1-877-336-2627 (1-877-FEMA MAP). Additional information about the NFIP is available on our web site at <http://www.fema.gov/nfip>.


 Eugene K. Gruber, P.E., Director
 Mitigation Division



FEMA

U.S. Department of Homeland Security
 Region III
 One Independence Mall, Sixth Floor
 615 Chestnut Street
 Philadelphia, PA 19106-4404

LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

COMMUNITY INFORMATION

APPLICABLE NFIP REGULATIONS/COMMUNITY OBLIGATION

We have made this determination pursuant to Section 206 of the Flood Disaster Protection Act of 1973 (P.L. 93-234) and in accordance with the National Flood Insurance Act of 1968, as amended (Title XIII of the Housing and Urban Development Act of 1968, P.L. 90-448), 42 U.S.C. 4001-4128, and 44 CFR Part 65. Pursuant to Section 1361 of the National Flood Insurance Act of 1968, as amended, communities participating in the NFIP are required to adopt and enforce floodplain management regulations that meet or exceed NFIP criteria. These criteria, including adoption of the FIS and FIRM, and the modifications made by this LOMR, are the minimum requirements for continued NFIP participation and do not supersede more stringent State/Commonwealth or local requirements to which the regulations apply.

COMMUNITY REMINDERS

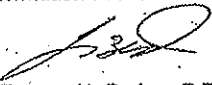
We based this determination on the 1% annual chance discharges computed in the submitted hydrologic model. Future development of projects upstream could cause increased discharges, which could cause increased flood hazards. A comprehensive restudy of your community's flood hazards would consider the cumulative effects of development on discharges and could, therefore, indicate that greater flood hazards exist in this area.

Your community must regulate all proposed floodplain development and ensure that permits required by Federal and/or State/Commonwealth law have been obtained. State/Commonwealth or community officials, based on knowledge of local conditions and in the interest of safety, may set higher standards for construction or may limit development in floodplain areas. If your State/Commonwealth or community has adopted more restrictive or comprehensive floodplain management criteria, those criteria take precedence over the minimum NFIP requirements.

We will not print and distribute this LOMR to primary users, such as local insurance agents or mortgage lenders; instead, the community will serve as a repository for the new data. We encourage you to disseminate the information in this LOMR by preparing a news release for publication in your community's newspaper that describes the revision and explains how your community will provide the data and help interpret the NFIP maps. In that way, interested persons, such as property owners, insurance agents, and mortgage lenders, can benefit from the information.

We have enclosed a document titled "List of Current Flood Insurance Study Data," which includes this letter, to help your community maintain all information for floodplain management and flood insurance. If any of the items in that document are not filed in your community's map repository, please contact the FEMA Map Assistance Center at the number listed below for information on how to obtain those items.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact Jon Janowicz at (215) 931-5524, or the FEMA Map Assistance Center toll free at 1-877-336-2627 (1-877-FEMA.MAP). Additional information about the NFIP is available on our web site at <http://www.fema.gov/nfip>.


 Eugene K. Gruber, P.E., Director
 Mitigation Division

Version 1.0 6217510404000549



FEMA

U.S. Department of Homeland Security
Region III
One Independence Mall, Sixth Floor
615 Chestnut Street
Philadelphia, PA 19106-4404

LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

COMMUNITY INFORMATION (CONTINUED)

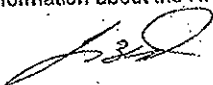
We have designated a Consultation Coordination Officer (CCO) to assist your community. The CCO will be the primary liaison between your community and FEMA. For information regarding your CCO, please contact:

Mr. Eugene K. Gruber, P.E.
Director, Mitigation Division
Federal Emergency Management Agency, Region III
One Independence Mall, Sixth Floor
615 Chestnut Street
Philadelphia, Pennsylvania 19106-4404
(215) 931-5669

STATUS OF THE COMMUNITY NFIP MAPS

We will not physically revise and republish the FIRM and FIS report for your community to reflect the modifications made by this LOMR at this time. When changes to the previously cited FIRM panel(s) and FIS report warrant physical revision and republication in the future, we will incorporate the modifications made by this LOMR at that time.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact Jon Janowicz at (215) 931-5524, or the FEMA Map Assistance Center toll free at 1-877-336-2627 (1-877-FEMA MAP). Additional information about the NFIP is available on our web site at <http://www.fema.gov/nfip>.


Eugene K. Gruber, P.E., Director
Mitigation Division



FEMA

U.S. Department of Homeland Security
Region III
One Independence Mall, Sixth Floor
615 Chestnut Street
Philadelphia, PA 19106-4404

LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

PUBLIC NOTIFICATION OF REVISION

Within 90 days of the second publication in the local newspaper, a citizen may request that we reconsider this determination. Any request for reconsideration must be based on scientific or technical data. Therefore, this letter will be effective only after the 90 day appeal period elapses and we resolve any appeals that we receive during this appeal period. Until this LOMR is effective, the revised BFEs presented in this LOMR may be changed.

This information will be published in the Federal Register and your local newspaper as detailed below.

LOCAL NEWSPAPER

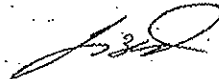
Name: The News Journal

Dates: 05/10/2004 05/17/2004

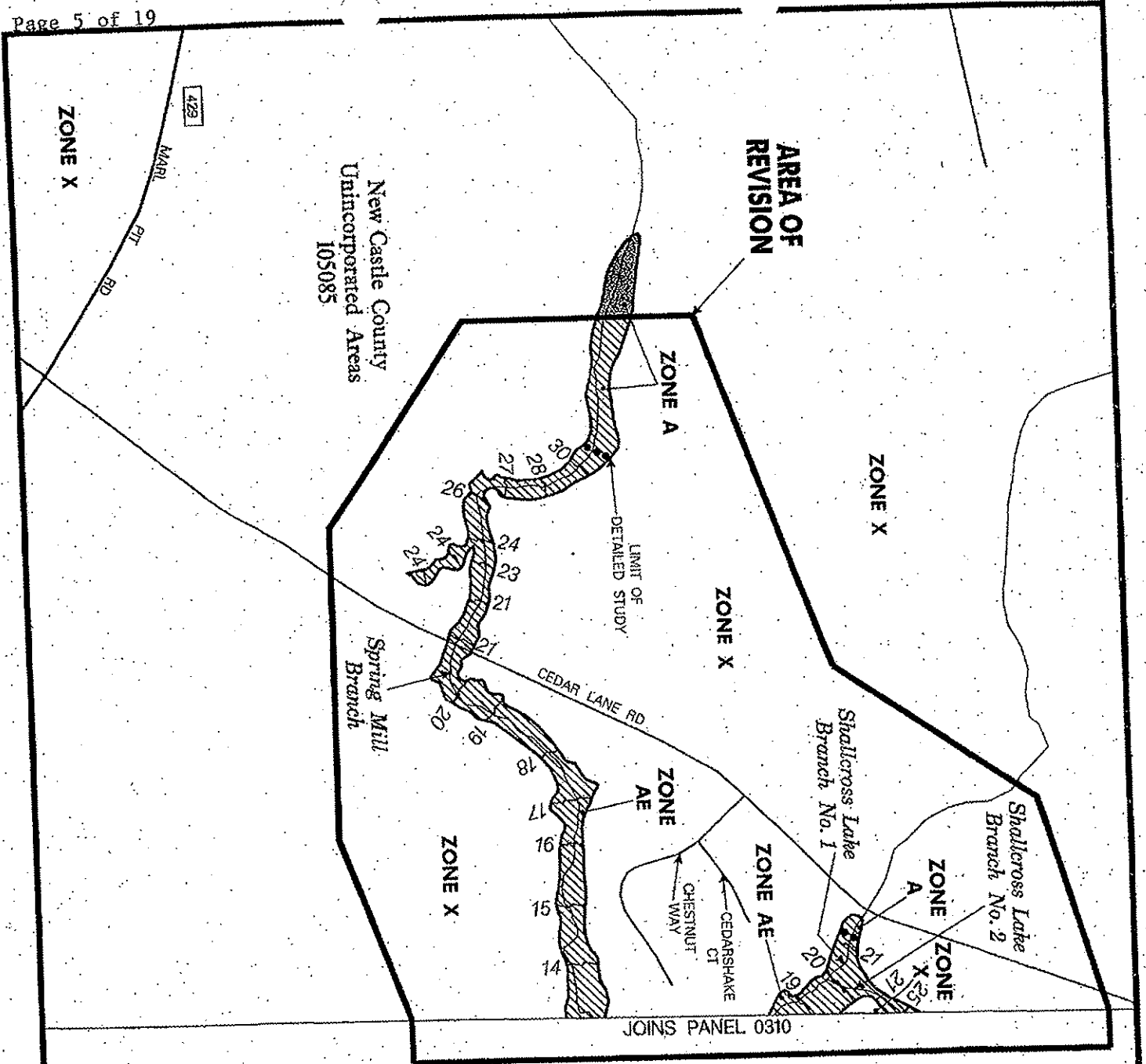
PUBLIC NOTIFICATION

FLOODING SOURCE	LOCATION OF REFERENCED ELEVATION	BFE (FEET NGVD)		MAP PANEL NUMBER(S)
		EFFECTIVE	REVISED	
Shallcross Lake	Along the shoreline	None	13	10003C0310G
	At the confluence of Shallcross Lake Branch No. 5	None	14	10003C0310G
Shallcross Lake Branch No. 1	At the confluence with Shallcross Lake	None	13	10003C0310G
	Approximately 200 feet downstream of Cedar Lane Road	None	21	10003C0305G
Shallcross Lake Branch No. 2	At the confluence with Shallcross Lake Branch No. 1	None	20	10003C0305G
	Approximately 1,490 feet upstream of the confluence with Shallcross Lake Branch No. 1	None	45	10003C0310G
Shallcross Lake Branch No. 3	At the confluence with Shallcross Lake Branch No. 1	None	16	10003C0310G
	Approximately 1,820 feet upstream of the confluence with Shallcross Lake Branch No. 1	None	44	10003C0310G
Shallcross Lake Branch No. 4	At the confluence with Shallcross Lake	None	13	10003C0310G
	Approximately 1,000 feet upstream of the confluence with Shallcross Lake	None	37	10003C0310G
Shallcross Lake Branch No. 5	At the confluence with Shallcross Lake	None	14	10003C0310G
	Approximately 970 feet upstream of the confluence of Shallcross Lake Branch No. 6	None	44	10003C0310G
Shallcross Lake Branch No. 6	At the confluence with Shallcross Lake Branch No. 5	None	27	10003C0310G
	Approximately 2,060 feet upstream of the confluence with Shallcross Lake Branch No. 5	None	40	10003C0310G
Spring Mill Branch	At the confluence with Shallcross Lake	None	13	10003C0310G
	Approximately 2,080 feet upstream of Cedar Lane Road	None	30	10003C0305G

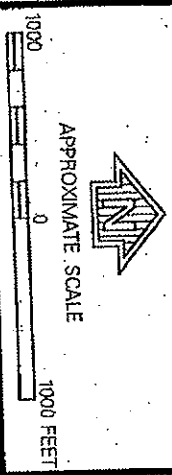
This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact Jon Janowicz at (215) 931-5524, or the FEMA Map Assistance Center toll free at 1-877-336-2627 (1-877-FEMA MAP). Additional information about the NFIP is available on our web site at <http://www.fema.gov/nfip>.


Eugene K. Gruber, P.E., Director
Mitigation Division

Version 1.0 6217510404000549



MAP LEGEND:
 REVISED 1% ANNUAL CHANCE
 (100-YEAR) FLOOD HAZARD AREA
 BOUNDARY DIVIDING SPECIAL
 FLOOD HAZARD ZONES



NATIONAL FLOOD INSURANCE PROGRAM

FIRM
 FLOOD INSURANCE RATE MAP
 NEW CASTLE COUNTY,
 DELAWARE
 AND INCORPORATED AREAS

PANEL 305 OF 450

(SEE MAP INDEX FOR PANELS NOT PRINTED)

COMPANIES

COMPANY	NUMBER	DATE	SHEET
ADDITIONAL TOWN OF NEW CASTLE COUNTY	10001	08/05	6

Note: In updating this map, changes have been made to the flood hazard areas shown. The Commission requests that you check the updated map for any changes to the flood hazard areas shown.

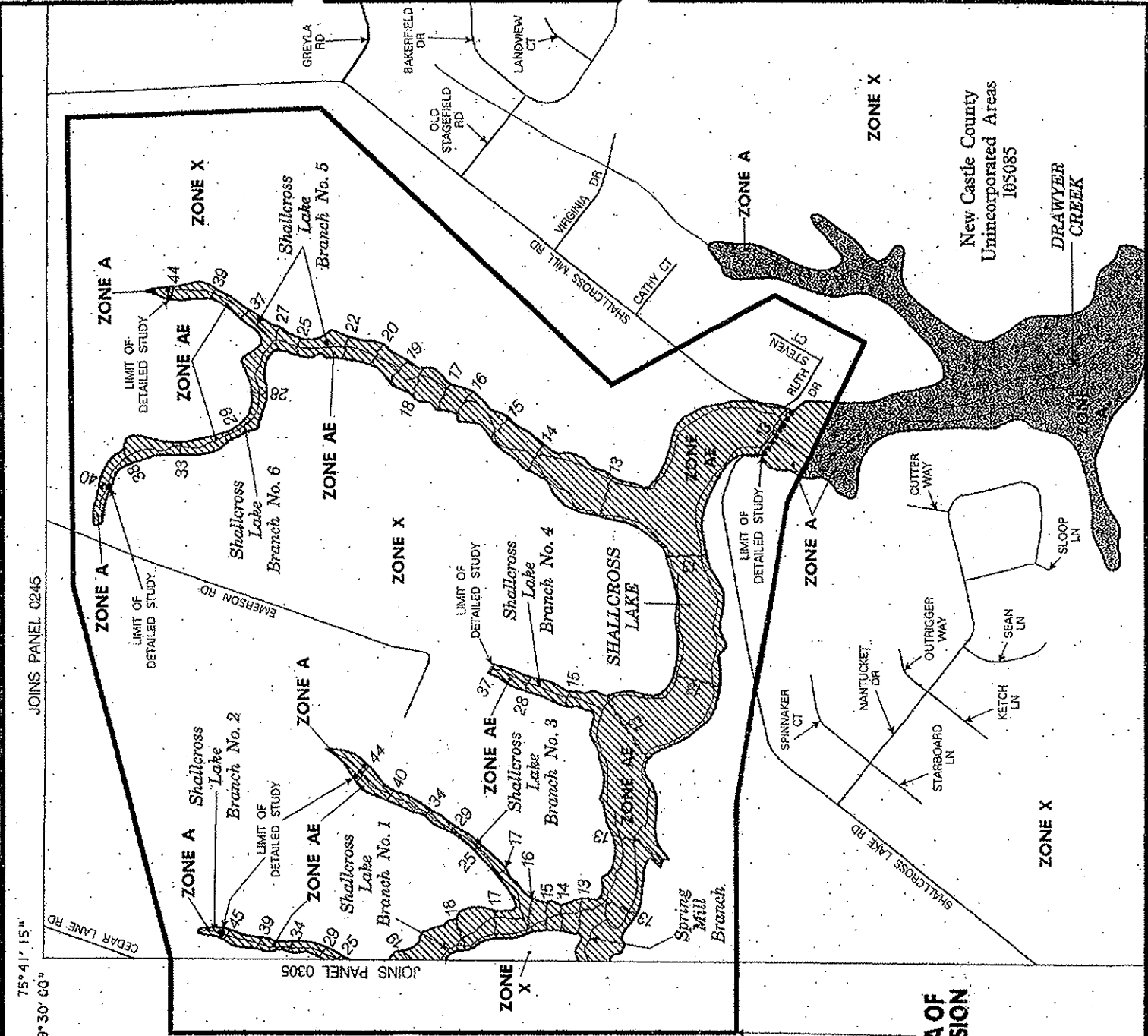
MAP NUMBER
 10003C0305 6

MAP REVISED:
 OCTOBER 6, 2000

REVISED TO REFLECT
 LOMR EFFECTIVE:

AUG 16 2004

Federal Emergency Management Agency



AREA OF REVISION

MAP LEGEND
 REVISED 1% ANNUAL CHANCE (100-YEAR) FLOOD HAZARD AREA
 BOUNDARY DIVIDING SPECIAL FLOOD HAZARD ZONES

APPROXIMATE SCALE
 1000 0 1000 FEET

NATIONAL FLOOD INSURANCE PROGRAM
FIRM
FLOOD INSURANCE RATE MAP
 NEW CASTLE COUNTY,
 DELAWARE
 AND INCORPORATED AREAS

PANEL 310 OF 430
 (SEE MAP INDEX FOR PANELS NOT PRINTED)

SOURCES:

COMMUNITY	NUMBER	PANEL	DATE
NEWCASTLE TOWN OF	30000	0300	03/00
NEWCASTLE COUNTY	30000	0300	03/00
OCEANA TOWN OF	30000	0300	03/00

Made to Use: The map features shown herein should be used when showing the extent of the FLOOD HAZARD INSURANCE PROGRAM. It is not to be used for any other purpose without the approval of the Federal Emergency Management Agency.

MAP NUMBER
 1000300310 S

EFFECTIVE DATE:
 OCTOBER 6, 2000

REVISED TO REFLECT LOMR EFFECTIVE:
 AUG 16 2004

Federal Emergency Management Agency

TABLE 2 - SUMMARY OF DISCHARGES - continued

<u>FLOODING SOURCE AND LOCATION</u>	<u>DRAINAGE AREA (sq. miles)</u>	<u>PEAK DISCHARGES (cfs)</u>			
		<u>10-YEAR</u>	<u>50-YEAR</u>	<u>100-YEAR</u>	<u>500-YEAR</u>
SHALLCROSS LAKE BRANCH NO. 1 At the confluence with Shallcross Lake	1.86	*	*	2,200	*
SHALLCROSS LAKE BRANCH NO. 2 At the confluence with Shallcross Lake Branch No. 1	0.18	*	*	200	*
SHALLCROSS LAKE BRANCH NO. 3 At the confluence with Shallcross Lake Branch No. 1	0.20	*	*	420	*
SHALLCROSS LAKE BRANCH NO. 4 At the confluence with Shallcross Lake	0.19	*	*	300	*
SHALLCROSS LAKE BRANCH NO. 5 At the confluence with Shallcross Lake	1.20	*	*	1,200	*
SHALLCROSS LAKE BRANCH NO. 6 At the confluence with Shallcross Lake Branch No. 5	0.50	*	*	450	*
SPRING MILL BRANCH At the confluence with Shallcross Lake	0.41	*	*	449	*

*Data not available

*wrong
D.A.*

REVISED TO REFLECT
LOMR EFFECTIVE:

AUG 16 2004

The summary of elevations for Shallcross Lake is shown in the following "Summary of Stillwater Elevations" tabulation:

TABLE 3 - SUMMARY OF STILLWATER ELEVATIONS

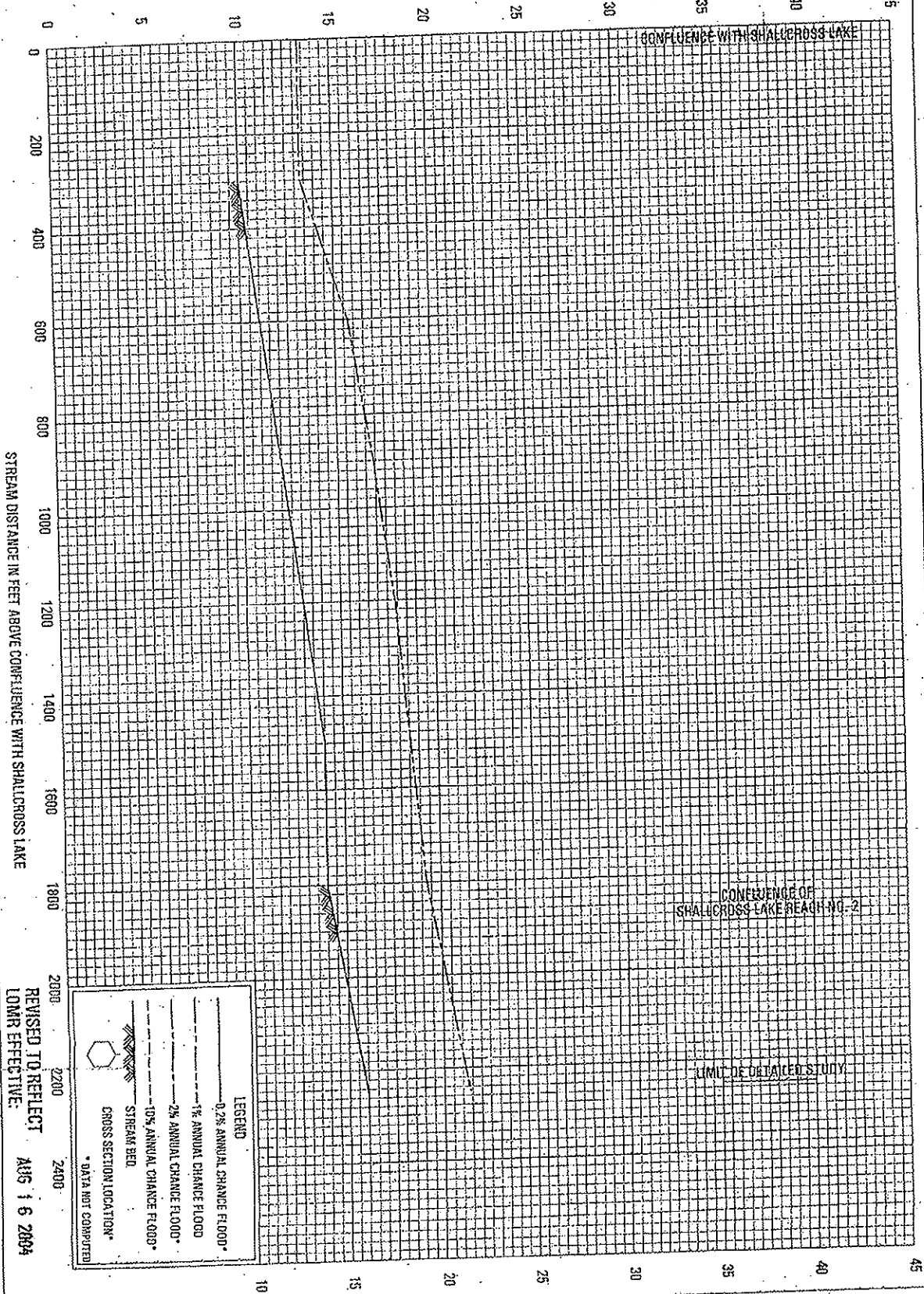
<u>FLOODING SOURCE AND LOCATION</u>	<u>ELEVATION (feet NGVD)</u>			
	<u>10-YEAR</u>	<u>50-YEAR</u>	<u>100-YEAR</u>	<u>500-YEAR</u>
SHALLCROSS LAKE				
Along shoreline	*	*	13.3	*
At the confluence of Shallcross Lake Branch No. 5	*	*	14.2	*

*Data Not Available

REVISED TO REFLECT
LOMR EFFECTIVE:

AUG 16 2004

ELEVATION IN FEET (NGVD 29)



LEGEND

- 0.2% ANNUAL CHANCE FLOOD*
- - - 1% ANNUAL CHANCE FLOOD
- 2% ANNUAL CHANCE FLOOD*
- 10% ANNUAL CHANCE FLOOD*
- STREAM BED
- CROSS SECTION LOCATION*

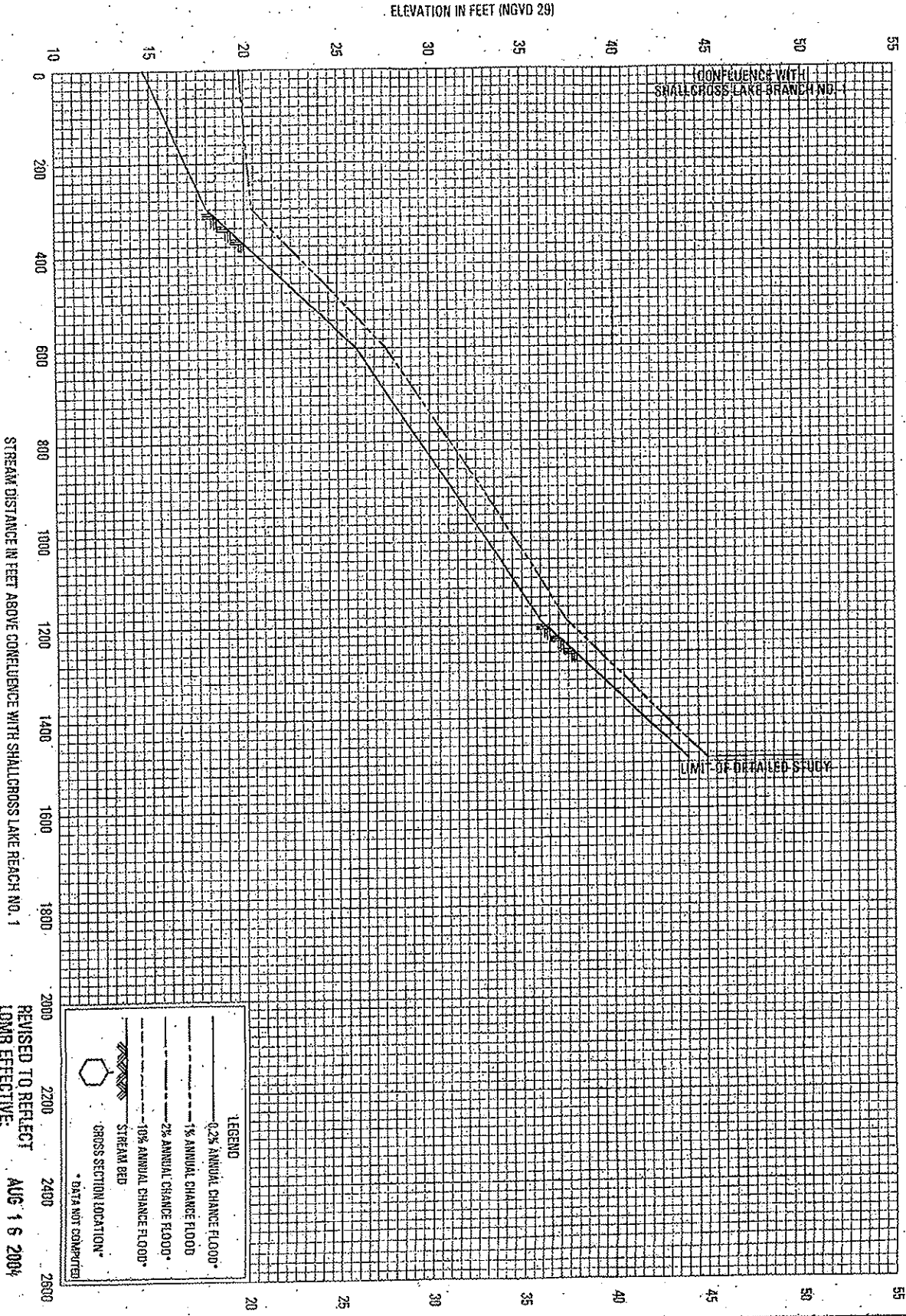
* DATA NOT COMPUTED

REVISED TO REFLECT
LOMR EFFECTIVE:
AUG 16 2004

FEDERAL EMERGENCY MANAGEMENT AGENCY
NEW CASTLE COUNTY, DE
AND INCORPORATED AREAS

FLOOD PROFILES
SHALLCROSS LAKE REACH NO. 1

SHEET 1 OF 7



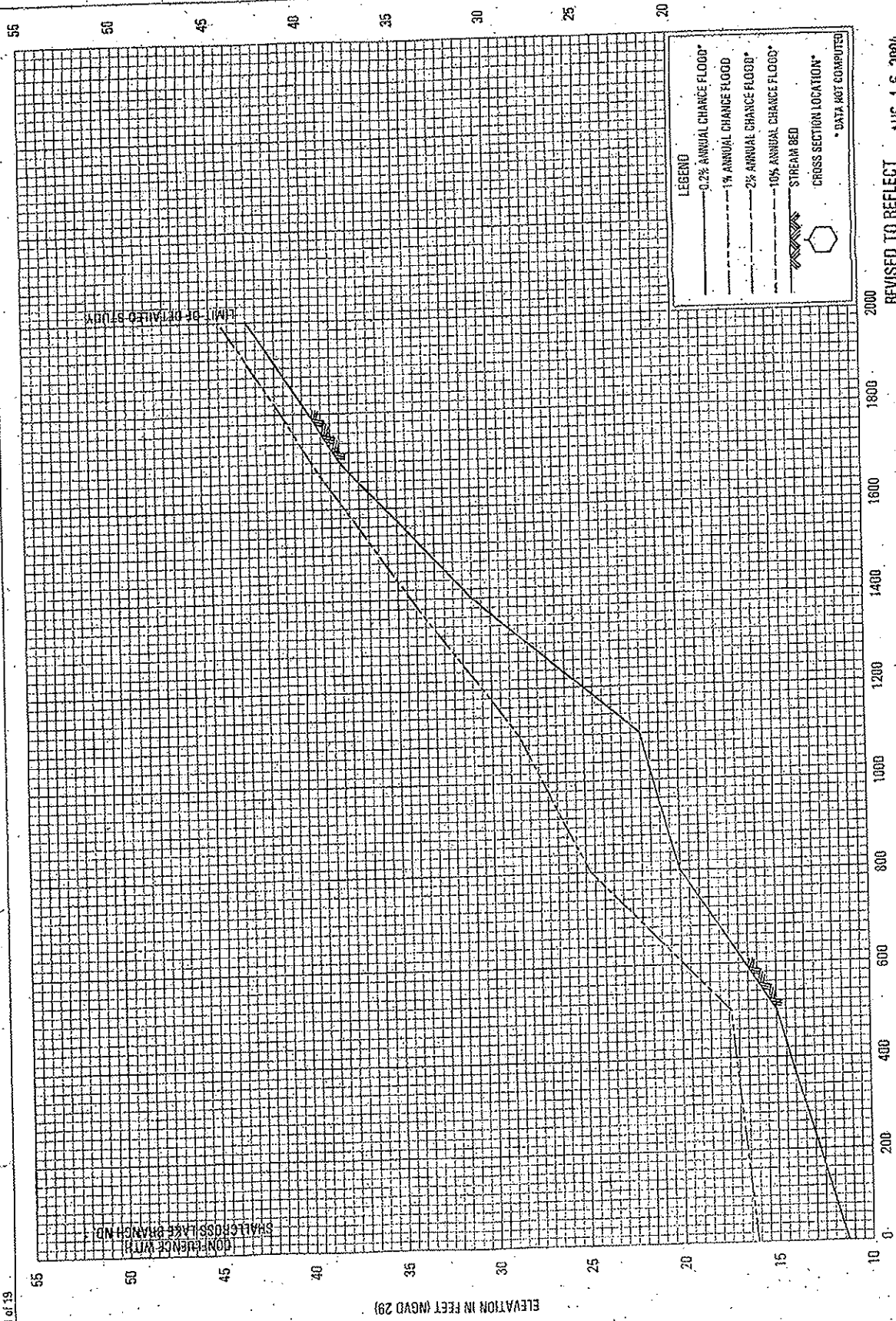
REVISED TO REFLECT
LOMR EFFECTIVE: AUG 16 2004

FEDERAL EMERGENCY MANAGEMENT AGENCY
NEW CASTLE COUNTY, DE
AND INCORPORATED AREAS

FLOOD PROFILES
SHALLCROSS LAKE REACH NO. 2

FLOOD PROFILES

SHALLCROSS LAKE REACH NO. 3



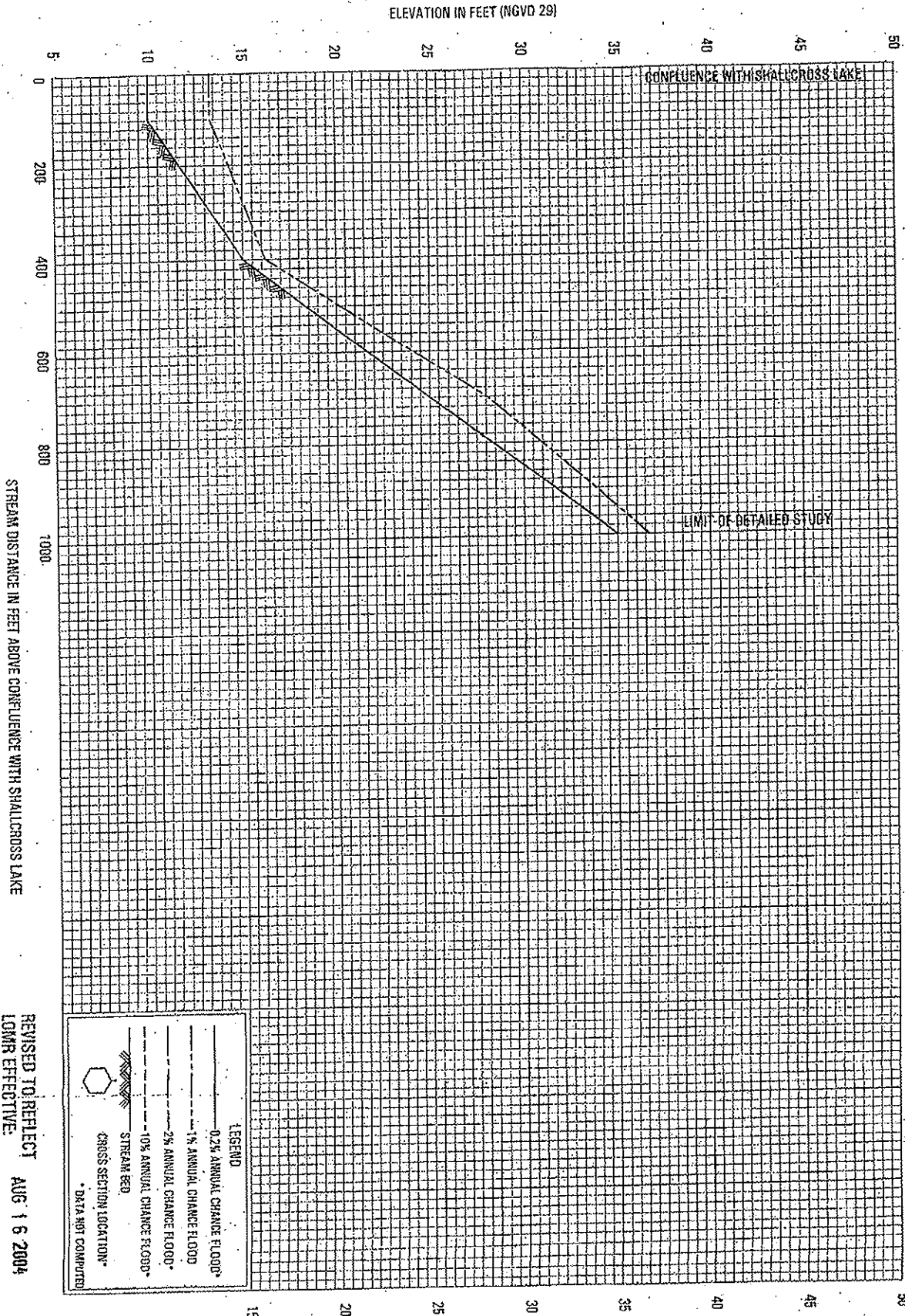
LEGEND

- 0.2% ANNUAL CHANCE FLOOD*
- - - 1% ANNUAL CHANCE FLOOD
- - - 2% ANNUAL CHANCE FLOOD*
- - - 10% ANNUAL CHANCE FLOOD*
- ▨ STREAM BED
- CROSS SECTION LOCATION*

* DATA NOT COMPUTED

REVISED TO REFLECT AUG 16 2004
LOWR EFFECTIVE

STREAM DISTANCE IN FEET ABOVE CONFLUENCE WITH SHALLCROSS LAKE REACH NO. 1



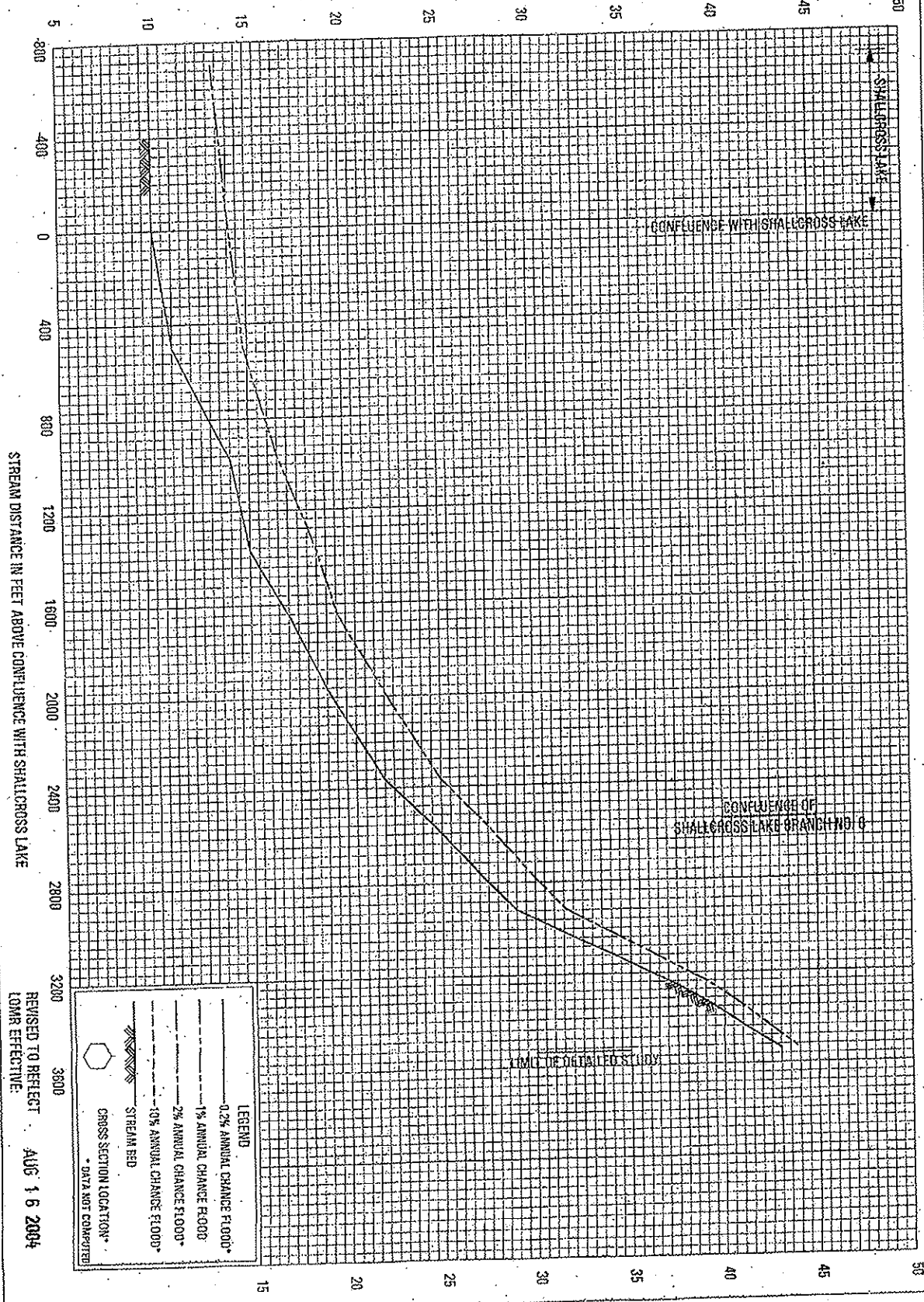
LEGEND

- 0.2% ANNUAL CHANCE FLOOD*
- - - 1% ANNUAL CHANCE FLOOD
- · · 2% ANNUAL CHANCE FLOOD*
- · - 10% ANNUAL CHANCE FLOOD*
- ▨ STREAM BED
- CROSS SECTION LOCATION*

* DATA NOT COMPUTED

REVISED TO REFLECT AUG 16 2004
 LOWR EFFECTIVE:

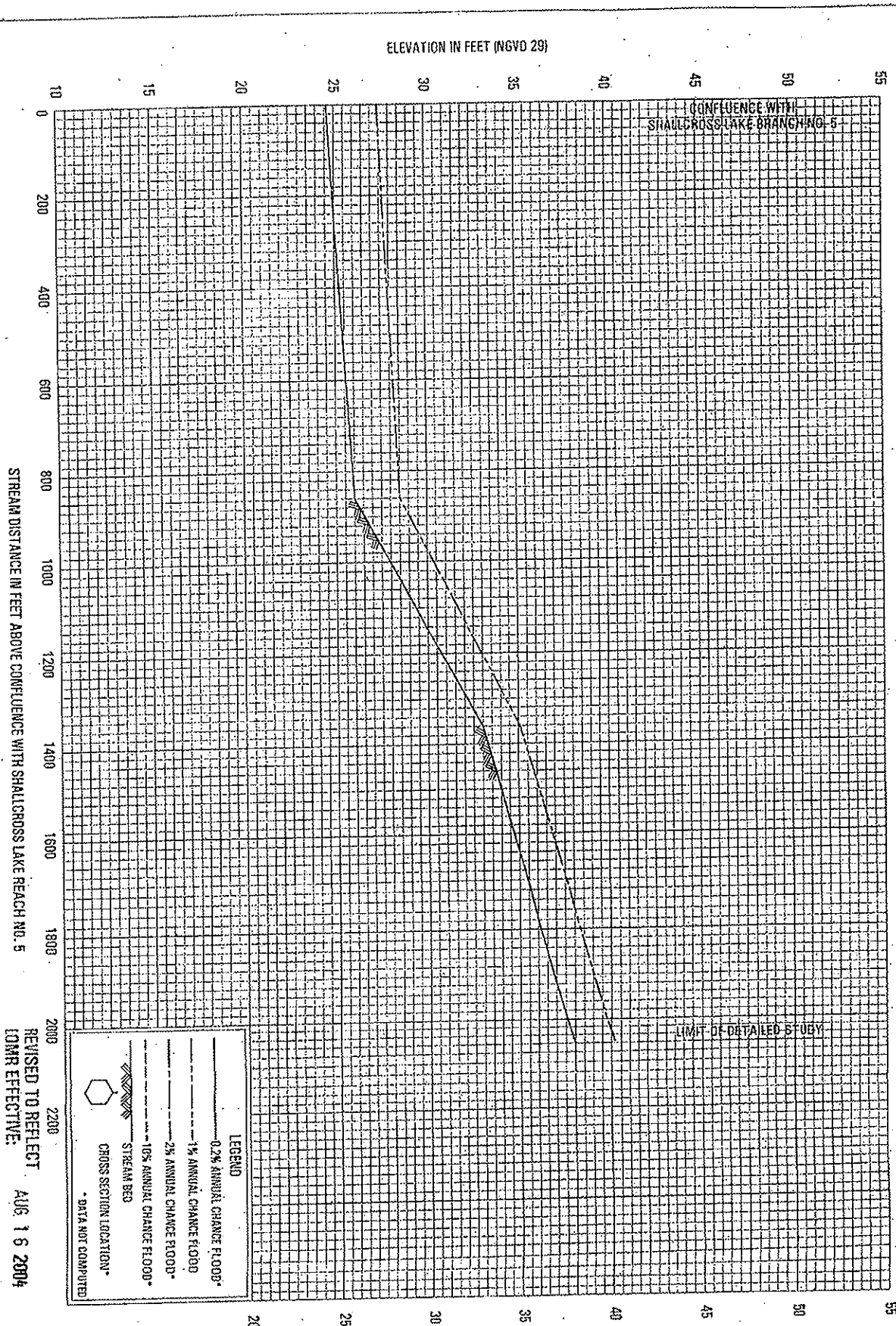
ELEVATION IN FEET (NGVD 29)



FEDERAL EMERGENCY MANAGEMENT AGENCY
 NEW CASTLE COUNTY, DE
 AND INCORPORATED AREAS

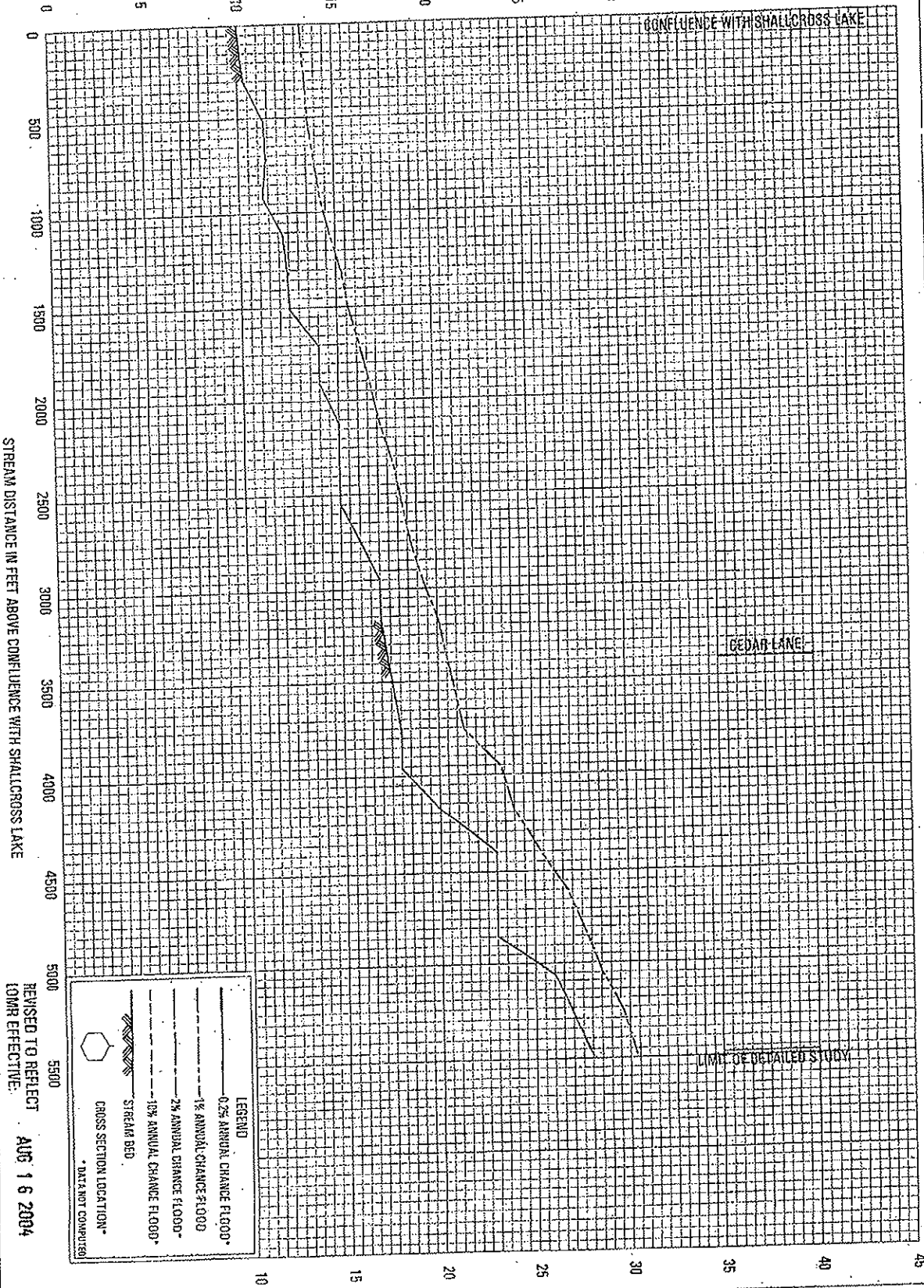
FLOOD PROFILES

SHALLCROSS LAKE REACH NO. 5



REVISED TO REFLECT
 10MR EFFECTIVE: AUG 16 2004

ELEVATION IN FEET (NGVD 29)



REVISIONS TO REFLECT
OWNER EFFECTIVE: AUG 16 2004

FEDERAL EMERGENCY MANAGEMENT AGENCY
NEW CASTLE COUNTY, DE
AND INCORPORATED AREAS

FLOOD PROFILES
SPRING MILL BRANCH

SHEET 7 OF 7

LIST OF CURRENT FLOOD INSURANCE STUDY DATA

This list is provided to document all information currently effective for your community for insurance and floodplain management.

Date: April 30, 2004

This list replaces previous list dated: March 25, 2004

Community: New Castle County, Delaware (Unincorporated Areas)

Community Number: 105085

CURRENT EFFECTIVE FLOOD INSURANCE STUDY DATE: October 6, 2000

FLOOD INSURANCE RATE MAP

Index Date: May 5, 2003

<u>Map Numbers</u>	<u>Effective Date</u>
10003C0035 G, 10003C0040 G, 10003C0045 G, 10003C0055 G, 10003C0059 G, 10003C0060 G, 10003C0065 G, 10003C0068 G, 10003C0078 G, 10003C0079 G, 10003C0086 G, 10003C0087 G, 10003C0088 G, 10003C0095 G, 10003C0110 H, 10003C0120 H, 10003C0130 G, 10003C0135 G, 10003C0140 G, 10003C0145 G, 10003C0151 G, 10003C0152 G, 10003C0155 G, 10003C0160 G, 10003C0165 G, 10003C0170 G, 10003C0180 G, 10003C0225 G, 10003C0230 G, 10003C0235 G, 10003C0240 G, 10003C0245 G, 10003C0255 G, 10003C0265 G, 10003C0275 G, 10003C0300 G, 10003C0305 G, 10003C0310 G, 10003C0315 G, 10003C0320 G, 10003C0330 G, 10003C0340 G, 10003C0350 G, 10003C0400 G, 10003C0405 G, 10003C0410 G, and 10003C0430 G	October 6, 2000
10003C0066 H, 10003C0067 H, 10003C0069 H, 10003C0425 H, and 10003C0450 H	May 5, 2003

LETTERS OF MAP REVISION

<u>Map Numbers</u>	<u>Effective Date</u>
10003C0225 G	February 21, 2003
10003C0230 G	July 1, 2002 October 30, 2003
10003C0235 G	May 25, 2004 October 30, 2003
10003C0245 G	July 9, 2004

LETTERS OF MAP REVISION (continued)

<u>Map Numbers</u>	<u>Effective Date</u>
10003C0305 G	August 16, 2004
10003C0310 G	August 16, 2004
10003C0425 H	October 9, 2003
10003C0430 G	October 9, 2003
10003C0450 H	October 9, 2003

LETTERS OF MAP AMENDMENT AND MAP REVISION BASED ON FILL

<u>Map Numbers</u>	<u>Effective Date</u>
10003C0040 G	February 8, 2002 December 28, 2001 October 31, 2001 June 29, 2001 June 8, 2001
10003C0059 G	October 2, 2003 May 15, 2003 (2) ¹ March 6, 2003 (2) ¹ July 19, 2002 August 15, 2001 July 27, 2001 July 13, 2001 April 2, 2001 October 10, 2000
10003C0060 G	August 19, 2003
10003C0066 H	November 20, 2003
10003C0067 H	February 12, 2004 August 25, 2003
10003C0068 G	August 22, 2001
10003C0078 G	September 27, 2002
10003C0086 G	November 20, 2003 August 30, 2002 (2) ¹ November 16, 2000
10003C0103 G	April 11, 2001
10003C0130 G	December 12, 2001 June 8, 2001
10003C0135 G	July 21, 2003

¹ Number in parentheses indicates number of Letters of Map Changes effective for this panel on this date

LETTERS OF MAP AMENDMENT AND MAP REVISION BASED ON FILL (continued)

<u>Map Numbers</u>	<u>Effective Date</u>
10003C0135 G (continued)	June 19, 2002 July 27, 2001
10003C0140 G	July 3, 2002 October 26, 2001 June 22, 2001
10003C0145 G	May 15, 2003 April 3, 2003 February 6, 2003
10003C0151 G	August 14, 2002 October 3, 2001 June 13, 2001 December 28, 2000
10003C0160 G	July 31, 2002 July 3, 2002 April 26, 2002 February 6, 2002
10003C0165 G	February 22, 2002 July 25, 2001
10003C0230 G	January 22, 2004 June 9, 2003 November 8, 2002 April 3, 2002 August 31, 2001 August 8, 2001 May 16, 2001 April 20, 2001 (3) ¹
10003C0235 G	August 14, 2003
10003C0245 G	June 5, 2003 December 12, 2000
10003C0310 G	May 16, 2001
10003C0320 G	June 9, 2003 May 29, 2001 ² March 21, 2001 ²

BEST AVAILABLE DATA LETTERS

None

¹ Number in parentheses indicates number of Letters of Map Changes effective for this panel on this date
² Map number not available for this Letter of Map Change.

REVALIDATION LETTERS

Case Numbers

03-03-1752V

00-03-2090V

Effective Date:

May 6, 2003

October 7, 2000

Peng, Glorianna

From: Roberts, Nikki [Nikki.Roberts@dhs.gov]
Sent: Thursday, April 29, 2004 2:11 PM
To: Peng, Glorianna
Subject: RE: New Castle Co, DE LOMR (04-03-031P)

Glorianna,

Thanks for the clarification. Please proceed with processing he LOMR.

Nikki

~~~~~  
**Nikki L. Roberts, PE**  
Civil Engineer  
**Department of Homeland Security**  
FEMA, Region III  
615 Chestnut Street  
Philadelphia, PA 19106-4404  
215-931-5575  
215-931-5501 (FAX)  
[www.fema.gov](http://www.fema.gov)

-----Original Message-----

**From:** Peng, Glorianna [mailto:gpeng@dewberry.com]  
**Sent:** Thursday, April 29, 2004 1:59 PM  
**To:** Roberts, Nikki  
**Subject:** RE: New Castle Co, DE LOMR (04-03-031P)

Yes, I posted the wrong file, sorry about that. I've posted the correct document to the site, titled "Summary of Stillwater Elevations."

Glorianna

-----Original Message-----

**From:** Roberts, Nikki [mailto:Nikki.Roberts@dhs.gov]  
**Sent:** Thursday, April 29, 2004 1:53 PM  
**To:** Peng, Glorianna  
**Subject:** RE: New Castle Co, DE LOMR (04-03-031P)

Glorianna,

I have reviewed the LOMR and I have one question. Was the document "Table 6" mistakenly posted for the LOMR. The table lists information about a different lake that is not part of this LOMR.

Nikki

~~~~~  
Nikki L. Roberts, PE
Civil Engineer
Department of Homeland Security

4/30/2004

FEMA, Region III
615 Chestnut Street
Philadelphia, PA 19106-4404
215-931-5575
215-931-5501 (FAX)
www.fema.gov

-----Original Message-----

From: Peng, Glorianna [mailto:gpeng@Dewberry.com]
Sent: Tuesday, April 27, 2004 2:40 PM
To: Roberts, Nikki; Craghan, Michael
Subject: FW: New Castle Co, DE LOMR (04-03-031P)

Nikki or Mike,

As Jon is out of the office until May 10th, are either of you available to review this letter on his behalf?

Thanks,
Glorianna

-----Original Message-----

From: Peng, Glorianna
Sent: Tuesday, April 27, 2004 9:31 AM
To: 'Janowicz, Jon'
Subject: New Castle Co, DE LOMR (04-03-031P)

Jon,

A LOMR (Case No. 04-03-031P) along Shallcross Lake and several tributaries to Shallcross Lake in the unincorporated areas of New Castle County, DE, has been posted to the site for your review and concurrence.

This LOMR adds detailed flooding information and establishes BFEs along the lake and the tributaries, revising a previous Zone A floodplain. HEC-2 hydraulic models were prepared and submitted in support of this request, as well as more detailed topographic mapping.

If you have any questions, please do not hesitate to contact me at (703) 849-0426. Thanks,

Glorianna Peng
Dewberry
Hazard Engineering Resources
8401 Arlington Boulevard
Fairfax, VA 22031
(703) 849-0426
gpang@dewberry.com

Visit Dewberry's website at www.dewberry.com

This email transmission may contain confidential or privileged information. If you receive this email message in error, notify the sender by email and delete the email without reading, copying or disclosing the email contents. The unauthorized use or dissemination of any confidential or privileged information contained in this email is



Dewberry

LOMR ROUTING SLIP

90-day late. Note with case to reason case late and also follow-up phone call.

Review Complete: 03/30/2004 Date Due to FEMA: 04/13/2004 Date Sent: _____

New Castle County	Uninc. Areas	New Castle	DE
COMMUNITY	TYPE	COUNTY	STATE
Bayberry Subdivision			
IDENTIFIER		TYPING I.D.	
Glorianna Peng	2426	Stuart Rooney	
ANALYST	EXT.	PROJECT LEADER	

Job/BU	Cost Code	Work Order
62175104	16Y2	04000549

LOMR Effective Date (Check One)

<input type="checkbox"/> Effective Date LOMR Determination Document issued	<input type="checkbox"/> Effective in 6 months ¹
<input checked="" type="checkbox"/> Effective 90 days after 2 nd news release publication	<input type="checkbox"/> Effective 30 days from date of LOMR Determination Document
<input type="checkbox"/> Effective 30 days from newspaper publication	

Enter routing start date (default today) 3/30/2004 ← Enter date here
 Note: Activate this spreadsheet and deactivate - dates below computed automatically - alter if need

REVIEWER & TURNAROUND TIME	DATE DUE	DATE REC'D	DATE COMPL'D	INITIALS
Project Leader - 1 day	03/30/04	3/30	3/30	WJF
QC - 2 days	04/01/04	3/31/04	4/19/04	AKB
Back to Analyst - 1 day	04/02/04	4/20/04	4/22/04	WJF
Project Manager - 2 days	04/05/04	4/22/04	4/26/04	WJF
PA - 1 day (Concurrent)	04/08/04			

Project Leader, Engineering Director, and Technical Writing	Quality Control (QC)	Program Administration ² (PA)
<input type="checkbox"/> copy of LOMR Determination Doc <input type="checkbox"/> correspondence file <input type="checkbox"/> annotated copies of maps <input type="checkbox"/> annotated FDTs, Flood Profiles <input type="checkbox"/> copies of effective maps, FDT and/or Flood Profiles <input type="checkbox"/> FIS data list <input type="checkbox"/> News Release ³	<input type="checkbox"/> copy of LOMR Determination Doc <input type="checkbox"/> copy of the case history form <input type="checkbox"/> original annotations and original plot of the LOMR <input type="checkbox"/> annotated FDTs, Flood Profiles <input type="checkbox"/> Effective Z-fold maps (not a copy), entire text <input type="checkbox"/> copy of this routing slip <input type="checkbox"/> FIS data list <input type="checkbox"/> News Release ³	<input type="checkbox"/> copy of FINAL draft LOMR letter as prepared for FEMA signature <input type="checkbox"/> copy of the case history form (3 pages) including CEO phone number and cc addresses <input type="checkbox"/> this routing slip <input type="checkbox"/> News Release reviewed by QC <input type="checkbox"/> check publication dates after FEMA concurrence to ensure the dates are still valid
	<input type="checkbox"/> 2 nd QC review required	

¹ Must be mailed on LFD date.
² Only if there are BFE changes or if LOMR is for New York State
³ First page of the News Release should be included with every LOMR, second page for BFE change only.

QA/QC Use Only
IQC Initials: [Signature]
PQC Initials: [Signature]

News Release

FIS	PMR	LOMR	LOMR	LOMR	LOMR
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

CID: 105085 ✓

Community Name: New Castle County, Delaware ✓

Engineer/Hydrographer: Glorianna Peng

Date: 3/28/200

JOB #/I	WORK ORDER #
<u>62175104</u>	<u>04000549</u>

This project revises the FIRM with the following date(s) & suffix(es):
10003C0305G and 10003C0310G, dated 10/6/00

Program Status (Participating, Suspended, etc.):
PARTICIPATING ✓

1. When this FIS is complete, will the community have:

Designated Floodways?

(Yes)	(No)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Coastal High-Hazard Areas (V-Zones)?

<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	-------------------------------------

2. If this is a LOMR:

Does this LOMR create a previously non-existent zone designation for any panel?

<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
-------------------------------------	-------------------------------------

Need CSC letter

Does this LOMR result in the deletion of a zone designation from any panel?

<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	-------------------------------------

(If "Yes" for either question, complete and attach a CSC notification)

3. If this is a PMR or LOMR:

Does this revision involve any changes to the regulatory floodway widths? ³

<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	-------------------------------------

If this revision entails any channelization, does the community need to be reminded of its maintenance responsibility?

<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	-------------------------------------

4. Are BFEs affected?

If "No," is there a change in ordinance level?

<input type="checkbox"/>	<input checked="" type="checkbox"/>
--------------------------	-------------------------------------

(If "Yes," is this change due to the adoption of effective flood hazards from another community?)

<input type="checkbox"/>	<input type="checkbox"/>
--------------------------	--------------------------

Level of Classification	
Effective:	<u>D</u> ✓
Revised:	<u>D</u> ✓

Vertical Datum	
Effective:	<u>NGVD29</u> ✓
Revised:	<u>NGVD29</u> ✓

The nature of this revision	
First-time Countywide	<input checked="" type="checkbox"/> ✓
Countywide Revision ²	<input type="checkbox"/>
Single Jurisdiction	<input type="checkbox"/>
Multiple Jurisdiction	<input type="checkbox"/>

(If "Yes," complete page 2; include the extreme downstream and upstream affected BFEs)

¹ Letters correspond to the appropriate paragraphs of NFIP regulations Section 60.3 (see "News Releases [Procedures and Guidelines]" for clarification).

² If this is a PMR that revises an existing countywide FIRM, attach a copy of the LISTING OF COMMUNITIES table (annotated to include the land use classification for each community) and the MAP REPOSITORIES listing from the FIRM Index.

³ If regulatory floodway widths are changing, attach evidence of compliance with NFIP regulations subparagraph 65.7 (b)(1) to the News Release (in accordance with memorandum dated 11-19-97).

News Release (Page 2)

Polling Source	Location of Polling Source	None	13	03058 02106	APR 4/15/04
Shallcross Lake	along the shoreline ✓	None	13 ✓	03058 02106	APR 4/15/04
Shallcross Lake Branch No. 1	at the confluence of Shallcross Lake Branch No. 5 ✓	None	14 ✓	03109	APR 4/15/04
Shallcross Lake Branch No. 2	at the confluence of Shallcross Lake ✓	None	13 ✓	03109	APR 4/15/04
Shallcross Lake Branch No. 2	approximately 200 feet downstream of Cedar Lane Road ✓	None	21 ✓	03058	APR 4/15/04
Shallcross Lake Branch No. 3	at the confluence with Shallcross Lake Branch No. 1 ✓	None	20 ✓	03109	APR 4/15/04
Shallcross Lake Branch No. 3	approx. 1,490 feet upstream of the confluence with Shallcross Lake Branch No. 1 ✓	None	45 ✓	03109	APR 4/15/04
Shallcross Lake Branch No. 3	at the confluence with Shallcross Lake Branch No. 1 ✓	None	16 ✓	03109	APR 4/15/04
Shallcross Lake Branch No. 4	approx. 1,826 feet upstream of the confluence with Shallcross Lake Branch No. 1 ✓	None	44 ✓	03109	APR 4/15/04
Shallcross Lake Branch No. 4	at the confluence with Shallcross Lake ✓	None	13 ✓	03109	APR 4/15/04
Shallcross Lake Branch No. 4	approx. 1,000 feet upstream of the confluence with Shallcross Lake ✓	None	37 ✓	03109	APR 4/15/04
Shallcross Lake Branch No. 5	at the confluence with Shallcross Lake ✓	None	14 ✓	03109	APR 4/15/04
Shallcross Lake Branch No. 5	approx. 770 feet upstream of the confluence of Shallcross Lake Branch No. 6 ✓	None	44 ✓	03109	APR 4/15/04
Shallcross Lake Branch No. 6	at the confluence with Shallcross Lake Branch No. 5 ✓	None	27 ✓	03109	APR 4/15/04
Shallcross Lake Branch No. 6	approx. 2,060 feet upstream of the confluence with Shallcross Lake Branch No. 5 ✓	None	42 ✓	03109	APR 4/15/04
Spring Mill Branch	at the confluence with Shallcross Lake ✓	None	13	03109	APR 4/15/04
Spring Mill Branch	approx. 2,100 feet upstream of Cedar Lane Road ✓	None	30 ✓	03058	APR 4/15/04

2,000

LANDMARK ENGINEERING

CIVIL AND SITE ENGINEERING SPECIALISTS

ONE CORPORATE COMMONS • SUITE 301
100 WEST COMMONS BOULEVARD • NEW CASTLE, DE 19720
TELEPHONE (302) 323-9377 • FAX (302) 323-9461

February 23, 2004

C 850-2

Ms. Glorianna Peng
Federal Programs
Dewberry
8401 Arlington Boulevard
Fairfax, VA 22031



Dear Ms. Peng:

SUBJECT: CASE NO.: 04-03-031 P
COMMUNITY: NEW CASTLE COUNTY, DELAWARE
(UNINCORPORATED AREAS)
COMMUNITY NO.: 105085
316-ACK

Transmitted herewith is a list of potentially affected property owners associated with the LOMR for Shallcross Lake and tributaries in association with a proposed residential subdivision known as Bayberry. Also enclosed are photocopies of our part of the certified mail slips.

Thank you for your attention to this matter.

Very truly yours,

A handwritten signature in cursive script that reads "E. Lowell Jacobs".

E. Lowell Jacobs, P.E.
Senior Principal

/ns
Enclosure

George W. Lovett Sr. & Ruth B. Lovett
12 Shallcross Place
Middletown, DE 19709-1025
Summit Bridge Rd.
13-012.00-039

Blenheim Shallcross LLC
220 Continental Drive
Suite 410
Newark, DE 19713-4311
132 Cannons Mill Blvd.
13-013.00-216

Blenheim Shallcross LLC
220 Continental Drive
Suite 410
Newark, DE 19713-4311
138 Cannons Mill Blvd.
13-013.00-219

Margaret J. Mumley
448 Emerson Road
Middletown, DE 19709-9585
13-013.00-162

Gary W. Markum
223 Chestnut Way
Middletown, DE 19709-9348
13-013.00-204

Joseph Nygard
211 Chestnut Way
Middletown, DE 19709-9349
211 Chestnut Way
13-013.00-207

Rita L. Wiley & Floyd E. Wiley Jr.
205 Chestnut Way
Middletown, DE 19709-9349
13-013.00-210

Thomas M. Homier Jr. & Ramona R. Homier
6 Cedarshake Court
Middletown, DE 19709-9350
13-013.00-195

Charles E. Walls Jr. & Priscilla R. Walls
1203 Maple Avenue
Wilmington, DE 19805-5034
Cedar Lane Rd.
13-013.00-185

Arthur S. Rivers Jr. & Annie Rivers
1336 Cedar Lane Road
Middletown, DE 19709-9312
1336 Cedar Lane Rd.
13-013.00-178

Cedar Lane Associates LP
3801 Kennett Pike
Suite D10
Greenville, DE 19807-2326
13-012.00-101

Blenheim Shallcross LLC
220 Continental Drive
Suite 410
Newark, DE 19713-4311
134 Cannons Mill Blvd.
13-013.00-217

Blenheim Shallcross LLC
220 Continental Drive
Suite 410
Newark, DE 19713-4311
140 Cannons Mill Blvd.
13-013.00-220

Mr. & Ms. Bruce D. Blair
222 Chestnut Way
Middletown, DE 19709-9348
222 Chestnut Way
13-013.00-202

Geroge E. Hartwell III
221 Chestnut Way
Middletown, DE 19709-9349
221 Chestnut Way
13-013.00-205

Harvey R. Woodlin & Beverly A. Woodlin
209 Chestnut Way
Middletown, DE 19709-9349
209 Chestnut Way
13-013.00-208

Raymond J. & Carolyn R. Link
203 Chestnut Way
Middletown, DE 19709-9349
13-013.00-211

Robert G. Sproul III & Patricia R. Sproul
5 Cedarshake Court
Middletown, DE 19709-9350
5 Cedarshake Ct.
13-013.00-196

Cosmo Gadaleta & Katherine V. Gadaleta
1390 Cedar Lane Road
Middletown, DE 19709-9312
1390 Cedar Lane Rd.
13-013.00-188

Theodore Salazar & Elaine S. Salazar
1344 Cedar Lane Road
Middletown, DE 19709-9312
1344 Cedar Lane Rd.
13-013.00-179

Blenheim Shallcross LLC
220 Continental Drive
Suite 410
Newark, DE 19713-4311
130 Cannons Mill Blvd.
13-013.00-215

Blenheim Shallcross LLC
220 Continental Drive
Suite 410
Newark, DE 19713-4311
136 Cannons Mill Blvd.
13-013.00-218

Pamela M. Baker
444 Emerson Road
Middletown, DE 19709-9585
13-013.00-047

Thomas W. & Amy R. Jennings
224 Chestnut Way
Middletown, DE 19709-9348
224 Chestnut Way
13-013.00-203

Kenneth L. Woodlin & Patricia A. R.
Woodlin
219 Chestnut Way
Middletown, DE 19709-9349
219 Chestnut Way
13-013.00-206

William O. Springer Jr. & Trudy Springer
207 Chestnut Way
Middletown, DE 19709-9349
207 Chestnut Way
13-013.00-209

Artesian Water Co., Inc.
P.O. Box 15004
664 Churchmans Road
Wilmington, DE 19850
13-013.00-194

Alan L. Nelson & Nancy J. Nelson
1374 Cedar Lane Road
Middletown, DE 19709-9312
1374 Cedar Lane Rd.
13-013.00-184

William E. Thomas
1488 Cedar Lane Road
Middletown, DE 19709-9313
1400 Cedar Lane Rd.
13-013.00-189

Andrew K. Britchenall & Martha P.
Britchenall
1350 Cedar Lane Road
Middletown, DE 19709-9312
1350 Cedar Lane Rd.
13-013.00-180

James R. Hughes & Janet J. Hughes
1356 Cedar Lane Road
Middletown, DE 19709-9312
1356 Cedar Lane Rd.
13-013.00-181

Ronald J. Czajkowski & Marcia L.
Czajkowski
1362 Cedar Lane Road
Middletown, DE 19709-9312
1362 Cedar Lane Rd.
13-013.00-182

Thomas G. Russel & Joanne B. Russel
1368 Cedar Lane Road
Middletown, DE 19709-9312
1368 Cedar Lane Rd.
13-013.00-183

Clifton W. Seitz Jr. & Beverly L. Seitz
1294 Cedar Lane Road
Middletown, DE 19709-9739
13-013.00-172

Robert S. Lucas & Elizabeth P. Lucas
1302 Cedar Lane Road
Middletown, DE 19709-9312
13-013.00-173

Concrete Services Inc.
44 Currant Drive
Newark, DE 19702-2852
1308 Cedar Lane Rd.
13-013.00-174

Walter A. Hagelstein Jr. & Brenda
Hagelstein
1314 Cedar Lane Road
Middletown, DE 19709-9312
1314 Cedar Lane Rd.
13-013.00-175

David A. Paltrineri & Jodi K. Paltrineri
1332 Cedar Lane Road
Middletown, DE 19709-9312
1332 Cedar Lane Rd.
13-013.00-176

Michael J. Grovola & Mary E. Grovola
1328 Cedar Lane Road
Middletown, DE 19709-9312
13-013.00-177

Baker Farms Inc.
665 Shallcross Lake Road
Middletown, DE 19709-9440
13-013.00-008

Davis M. Mailly
256 E. Main Street
Elkton, MD 21921-5722
13-013.00-009

Baker Farms Inc.
665 Shallcross Lake Road
Middletown, DE 19709-9440
665 Shallcross Lake Rd.
13-013.00-010

Boyd's Corner LLC
Linden Park Suite 152
4550 New Linden Hill Road
Wilmington, DE 19808-2930
13-013.00-013

Middletown Materials LLC
10 Adel Drive
Newark, DE 19702-1331
13-017.00-037

John C. Bradley Sr. & Danna Bradley
1535 Cedar Lane Road
Middletown, DE 19709-9318
1535 Cedar Lane Rd.
13-017.00-039

New Castle County
87 Reads Way
New Castle, DE 19720-1648
13-017.00-040

Dolores S. Thomas
1488 Cedar Lane Road
Middletown, DE 19709-9313
1488 Cedar Lane Rd.
13-017.00-042

John W. Thomas Jr.
1500 Cedar Lane Road
Middletown, DE 19709-9314
13-017.00-104

George B. Atkinson III
1197 Shallcross Lake Road
Middletown, DE 19709-8941
1208 Shallcross Lake Rd.
13-018.00-001

Delaware Anglers & Gun Club
c/o Roseanne Brown
1058 Shallcross Lake Road
Middletown, DE 19709-9705
13-018.00-008

Joann P. Campbell & James J. Campbell
961 Shallcross Lake Road
Middletown, DE 19709-8939
961 Shallcross Lake Rd.
13-018.00-014

David J. Swetkiowski & Patricia
Swetkiowski
213 Chestnut Way
Middletown, DE 19709-9349
213 Chestnut Way
13-018.00-170

Michael L. Russell & Barbara M. Russell
215 Chestnut Way
Middletown, DE 19709-9349
215 Chestnut Way
13-018.00-171

Donna M. Boyer
217 Chestnut Way
Middletown, DE 19709-9349
13-018.00-172

Blenheim Shallcross LLC
220 Continental Drive
Suite 410
Newark, DE 19713-4311
145 Cannons Mill Blvd.
13-018.00-241

Blenheim Shallcross LLC
220 Continental Drive
Suite 410
Newark, DE 19713-4311
147 Cannons Mill Blvd.
13-018.00-242

Blenheim Shallcross LLC
220 Continental Drive
Suite 410
Newark, DE 19713-4311
149 Cannons Mill Blvd.
13-018.00-243

Blenheim Shallcross LLC
220 Continental Drive
Suite 410
Newark, DE 19713-4311
151 Cannons Mill Blvd.
13-018.00-244

Blenheim Shallcross LLC
220 Continental Drive
Suite 410
Newark, DE 19713-4311
152 Cannons Mill Blvd.
13-018.00-245

Blenheim Shallcross LLC
220 Continental Drive
Suite 410
Newark, DE 19713-4311
150 Cannons Mill Blvd.
13-018.00-246

Blenheim Shallcross LLC
220 Continental Drive
Suite 410
Newark, DE 19713-4311
148 Cannons Mill Blvd.
13-018.00-247

Blenheim Shallcross LLC
220 Continental Drive
Suite 410
Newark, DE 19713-4311
142 Cannons Mill Blvd.
13-018.00-250

Blenheim Shallcross LLC
220 Continental Drive
Suite 410
Newark, DE 19713-4311
146 Cannons Mill Blvd.
13-018.00-248

Bryan D. Reed & Jennifer L. Reed
1145 Shallcross Lake Road
Middletown, DE 19709-8941

1145 Shallcross Lake Rd.
13-018.00-256

Blenheim Shallcross LLC
220 Continental Drive
Suite 410
Newark, DE 19713-4311
144 Cannons Mill Blvd.
13-018.00-249

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)
 For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 4.42	

Sent To: B. J. Reed
 Street, Apt. No., or PO Box No.: 145 Shallowcross Lake Rd
 City, State, ZIP+4: Middletown 19709

PS Form 3800, June 2002 See Reverse for Instructions
 PS Form 3811, August 2001 Domestic Return Receipt

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)
 For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 4.42	

Sent To: D. Thomas
 Street, Apt. No., or PO Box No.: 1488 Cedar Ln Rd
 City, State, ZIP+4: Middletown 19709

PS Form 3800, June 2002 See Reverse for Instructions
 PS Form 3811, August 2001 Domestic Return Receipt

SECTION ON DE

[Signature]
 Printed Name

less different from its
 delivery address be

ail Express M
 Return Re
 C.O.D.
 livery? (Extra Fee)

1206 180

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)
 For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 4.42	

Sent To: T. E. Salazar
 Street, Apt. No., or PO Box No.: 1344 Cedar Ln Rd
 City, State, ZIP+4: Middletown 19709

PS Form 3800, June 2002 See Reverse for Instructions
 PS Form 3811, August 2001 Domestic Return Receipt

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)
 For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 4.42	

Sent To: W. Thomas
 Street, Apt. No., or PO Box No.: 1488 Cedar Ln Rd
 City, State, ZIP+4: Middletown 19709

PS Form 3800, June 2002 See Reverse for Instructions
 PS Form 3811, August 2001 Domestic Return Receipt

SECTION ON DE

[Signature]
 Printed Name

less different from its
 delivery address be

ail Express M
 Return Re
 C.O.D.
 livery? (Extra Fee)

1206 2002

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)
 For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 4.42	

Sent To: W. T. Springer
 Street, Apt. No., or PO Box No.: 207 Chestnut Way
 City, State, ZIP+4: Middletown 19709

PS Form 3800, June 2002 See Reverse for Instructions
 PS Form 3811, August 2001 Domestic Return Receipt

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)
 For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 4.42	

Sent To: C. P. Walls
 Street, Apt. No., or PO Box No.: 1203 Maple Ave
 City, State, ZIP+4: Wilm 19805

PS Form 3800, June 2002 See Reverse for Instructions
 PS Form 3811, August 2001 Domestic Return Receipt

SECTION ON DE

[Signature]
 Printed Name

less different from its
 delivery address be

ail Express M
 Return Re
 C.O.D.
 livery? (Extra Fee)

1206 2021

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 4.42	

Sent To: Cedar In Assoc.
 Street, Apt. No., or PO Box No. 3801 Kennett Pike
 City, State, ZIP+4 Greenville 19807

PS Form 3811, August 2001 Domestic Return Receipt

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 4.42	

Sent To: B. & W. Hagekstein
 Street, Apt. No., or PO Box No. 1314 Cedar Lane Rd
 City, State, ZIP+4 Middletown 19709

PS Form 3811, August 2001 Domestic Return Receipt

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 4.42	

Sent To: R. M. Czekaowski
 Street, Apt. No., or PO Box No. 1362 Cedar Ln Rd
 City, State, ZIP+4 Middletown 19709

PS Form 3811, August 2001 Domestic Return Receipt

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 4.42	

Sent To: G. Hartwell III
 Street, Apt. No., or PO Box No. 221 Chestnut Way
 City, State, ZIP+4 Middletown 19709

PS Form 3811, August 2001 Domestic Return Receipt

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 4.42	

Sent To: M. M. Grovola
 Street, Apt. No., or PO Box No. 1328 Cedar Lane Rd
 City, State, ZIP+4 Middletown 19709

PS Form 3811, August 2001 Domestic Return Receipt

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 4.42	

Sent To: J. J. Hedges
 Street, Apt. No., or PO Box No. 1356 Cedar Ln Rd
 City, State, ZIP+4 Middletown 19709

PS Form 3811, August 2001 Domestic Return Receipt

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$4.42	

Sent To: T.P.A. Jennings
 Street, Apt. No., or PO Box No.: 224 Chestnut Way
 City, State, ZIP+4: Middletown 19709

PS Form 3800, June 2002 See Reverse for Instructions
 PS Form 3811, August 2001 Domestic Return Receipt

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$4.42	

Sent To: Middletown Materials LLC
 Street, Apt. No., or PO Box No.: 10 Abel Dr
 City, State, ZIP+4: Newark 19702

PS Form 3800, June 2002 See Reverse for Instructions
 PS Form 3811, August 2001 Domestic Return Receipt

SECTION ON DELIVERY

Printed Name: C. Vines
 Address different from delivery address box

Express Mail
 Return Receipt
 C.O.D.
 Delivery? (Extra Fee)
 1206 18

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$4.42	

Sent To: R. C. Link
 Street, Apt. No., or PO Box No.: 203 Chestnut Way
 City, State, ZIP+4: Middletown 19709

PS Form 3800, June 2002 See Reverse for Instructions
 PS Form 3811, August 2001 Domestic Return Receipt

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$4.42	

Sent To: A. N. Nelson
 Street, Apt. No., or PO Box No.: 1394 Cedar Ln Rd
 City, State, ZIP+4: Middletown 19709

PS Form 3800, June 2002 See Reverse for Instructions
 PS Form 3811, August 2001 Domestic Return Receipt

SECTION ON DELIVERY

Printed Name: N. N. S.
 Address different from delivery address box

Express Mail
 Return Receipt
 C.O.D.
 Delivery? (Extra Fee)
 01 1206 2

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$4.42	

Sent To: G. R. Lovett
 Street, Apt. No., or PO Box No.: 12 Shallcross Place
 City, State, ZIP+4: Middletown 19709

PS Form 3800, June 2002 See Reverse for Instructions
 PS Form 3811, August 2001 Domestic Return Receipt

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$4.42	

Sent To: NCC
 Street, Apt. No., or PO Box No.: 87 Roads Way
 City, State, ZIP+4: NC 19720

PS Form 3800, June 2002 See Reverse for Instructions
 PS Form 3811, August 2001 Domestic Return Receipt

SECTION ON DELIVERY

Printed Name: L. O. 2004
 Address different from delivery address box

Express Mail
 Return Receipt
 C.O.D.
 Delivery? (Extra Fee)
 1206 181

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$4.42	

Sent To Blenheim
 Street, Apt. No., or PO Box No. Continental Dr.
 City, State, ZIP+4 Newark DE 19713

PS Form 3800, June 2002 See Reverse for Instructions
 PS Form 3811, August 2001 Domestic Return Receipt

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$4.42	

Sent To Blenheim
 Street, Apt. No., or PO Box No. Continental Dr.
 City, State, ZIP+4 Newark 19713

PS Form 3800, June 2002 See Reverse for Instructions
 PS Form 3811, August 2001 Domestic Return Receipt

SECTION ON DE

Wilson
 Printed Name
 Address different from delivery address below

Express Mail
 Return Receipt
 C.O.D.
 Delivery? (Extra Fee)

11 1206 3

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$4.42	

Sent To Blenheim
 Street, Apt. No., or PO Box No. Continental Dr.
 City, State, ZIP+4 Newark DE 19713

PS Form 3800, June 2002 See Reverse for Instructions
 PS Form 3811, August 2001 Domestic Return Receipt

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$4.42	

Sent To Blenheim
 Street, Apt. No., or PO Box No. Continental Dr.
 City, State, ZIP+4 Newark 19713

PS Form 3800, June 2002 See Reverse for Instructions
 PS Form 3811, August 2001 Domestic Return Receipt

SECTION ON DE

Wilson
 Printed Name
 Address different from delivery address below

Express Mail
 Return Receipt
 C.O.D.
 Delivery? (Extra Fee)

101 1206

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$4.42	

Sent To Blenheim
 Street, Apt. No., or PO Box No. Continental Dr.
 City, State, ZIP+4 Newark 19713

PS Form 3800, June 2002 See Reverse for Instructions
 PS Form 3811, August 2001 Domestic Return Receipt

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$4.42	

Sent To Blenheim
 Street, Apt. No., or PO Box No. Continental Dr.
 City, State, ZIP+4 Newark 19713

PS Form 3800, June 2002 See Reverse for Instructions
 PS Form 3811, August 2001 Domestic Return Receipt

SECTION ON DE

Wilson
 Printed Name
 Address different from delivery address below

Express Mail
 Return Receipt
 C.O.D.
 Delivery? (Extra Fee)

001 1201

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)
 For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	4.42

Sent To: Blenheim
Continental Dr.
Newark 19713
 City, State, ZIP+4

PS Form 3800, June 2002 See Reverse for Instructions
 PS Form 3811, August 2001 Domestic Return Receipt

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)
 For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	4.42

Sent To: D. J. Bradley
1535 Cedar Ln Rd
Middletown 19709
 City, State, ZIP+4

PS Form 3800, June 2002 See Reverse for Instructions
 PS Form 3811, August 2001 Domestic Return Receipt

SECTION ON D

Bradley
 Printed Name)
 (Address different from delivery address box)

Mail Express
 Return F
 C.O.D.
 Delivery? (Extra Fee)

1206 18

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)
 For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	4.42

Sent To: Blenheim
Continental Dr.
Newark 19713
 City, State, ZIP+4

PS Form 3800, June 2002 See Reverse for Instructions
 PS Form 3811, August 2001 Domestic Return Receipt

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)
 For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	4.42

Sent To: J. J. Campbell
961 Shallcross Lake Rd
Middletown 19709
 City, State, ZIP+4

PS Form 3800, June 2002 See Reverse for Instructions
 PS Form 3811, August 2001 Domestic Return Receipt

SECTION ON D

J. J. Campbell
 Printed Name)
 (Address different from delivery address box)

Mail Express
 Return F
 C.O.D.
 Delivery? (Extra Fee)

1206 17

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)
 For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	4.42

Sent To: Blenheim
Continental Dr.
Newark 19713
 City, State, ZIP+4

PS Form 3800, June 2002 See Reverse for Instructions
 PS Form 3811, August 2001 Domestic Return Receipt

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)
 For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	4.42

Sent To: A. M. Brittonall
1350 Cedar Ln Rd
Middletown 19709
 City, State, ZIP+4

PS Form 3800, June 2002 See Reverse for Instructions
 PS Form 3811, August 2001 Domestic Return Receipt

SECTION ON D

A. M. Brittonall
 Printed Name)
 (Address different from delivery address box)

Mail Exp
 Re
 C.C
 Delivery? (Extra

1206

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)
 For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	4.42

Sent To: Blenheim
Continental Dr.
Newark 19713

PS Form 3800, June 2002 See Reverse for Instructions
 PS Form 3811, August 2001 Domestic Return Receipt

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)
 For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	4.42

Sent To: Blenheim
Continental Dr.
Newark 19713

PS Form 3800, June 2002 See Reverse for Instructions

SECTION ON DE
 Printed Name
 Wilson
 less different from delivery address be
 Express
 Return
 C.O.D.
 Extra Fee
 1206 21

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)
 For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	4.42

Sent To: Blenheim
Continental Dr.
Newark 19713

PS Form 3800, June 2002 See Reverse for Instructions
 PS Form 3811, August 2001 Domestic Return Receipt

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)
 For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	4.42

Sent To: Blenheim
Continental Dr.
Newark 19713

PS Form 3800, June 2002 See Reverse for Instructions
 PS Form 3811, August 2001 Domestic Return Receipt

SECTION ON DE
 Printed Name
 Wilson
 less different from delivery address be
 Express
 Return
 C.O.D.
 Extra Fee
 11 1206

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)
 For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	4.42

Sent To: Blenheim
Continental Dr.
Newark 19713

PS Form 3800, June 2002 See Reverse for Instructions
 PS Form 3811, August 2001 Domestic Return Receipt

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)
 For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	4.42

Sent To: Blenheim
Continental Dr.
Newark 19713

PS Form 3800, June 2002 See Reverse for Instructions

SECTION ON DE
 Printed Name
 Wilson
 less different from delivery address be
 Express
 Return
 C.O.D.
 Extra Fee
 1206 1

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	4.42

Sent To: Concrete Svcs
 Street, Apt. No., or PO Box No.: 44 Current Dr
 City, State, ZIP+4: Newark NJ 07102

PS Form 3800, June 2002 See Reverse for Instructions

PS Form 3811, August 2001 Domestic Return Receipt

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	4.42

Sent To: C. K. Gadaleta
 Street, Apt. No., or PO Box No.: 1390 Cedar Ln Rd
 City, State, ZIP+4: Middletown NJ 07099

PS Form 3800, June 2002 See Reverse for Instructions

PS Form 3811, August 2001 Domestic Return Receipt

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	4.42

Sent To: R. F. Willeg
 Street, Apt. No., or PO Box No.: 205 Chestnut Way
 City, State, ZIP+4: Middletown NJ 07099

PS Form 3800, June 2002 See Reverse for Instructions

PS Form 3811, August 2001 Domestic Return Receipt

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	4.42

Sent To: D. Mally
 Street, Apt. No., or PO Box No.: 256 E Main St
 City, State, ZIP+4: Elkhon NJ 07021

PS Form 3800, June 2002 See Reverse for Instructions

PS Form 3811, August 2001 Domestic Return Receipt

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	4.42

Sent To: Artesian Water
 Street, Apt. No., or PO Box No.: PO Box 15004
 City, State, ZIP+4: Wilm NJ 07080

PS Form 3800, June 2002 See Reverse for Instructions

PS Form 3811, August 2001 Domestic Return Receipt

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	4.42

Sent To: H. B. Woodlin
 Street, Apt. No., or PO Box No.: 209 Chestnut Way
 City, State, ZIP+4: Middletown NJ 07099

PS Form 3800, June 2002 See Reverse for Instructions

PS Form 3811, August 2001 Domestic Return Receipt

SECTION ON DELIVERY

Printed Name: [Signature]

Address different from item 1 delivery address below:

Mail Express Mail
 Return Receipt
 C.O.D.
 Delivery? (Extra Fee)

206 1869

SECTION ON DELIVERY

Printed Name: [Signature]

Address different from item 1 delivery address below:

Mail Express Mail
 Return Receipt
 C.O.D.
 Delivery? (Extra Fee)

206 2064

SECTION ON DELIVERY

Printed Name: [Signature]

Address different from item 1 delivery address below:

Mail Express Mail
 Return Receipt
 C.O.D.
 Delivery? (Extra Fee)

001 1206 2:

4921 9021 1201 1000 0101 0001

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$		Postmark Here
Certified Fee			
Return Receipt Fee (Endorsement Required)			
Restricted Delivery Fee (Endorsement Required)			
Total Postage & Fees	\$	4.42	

Sent To: R. E. Lucas
 Street, Apt. No., or PO Box No.: 1302 Cedar Ln Rd
 City, State, ZIP+4: Middletown 19709

PS Form 3800, June 2002 See Reverse for Instructions.
 PS Form 3811, August 2001 Domestic Return Receipt

4921 9021 1201 1000 0101 0001

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$		Postmark Here
Certified Fee			
Return Receipt Fee (Endorsement Required)			
Restricted Delivery Fee (Endorsement Required)			
Total Postage & Fees	\$	4.42	

Sent To: G. Atkinson III
 Street, Apt. No., or PO Box No.: 1197 Shallockross Lake Rd
 City, State, ZIP+4: Middletown 19709

PS Form 3800, June 2002 See Reverse for Instructions.
 PS Form 3811, August 2001 Domestic Return Receipt

SECTION ON DELIVERY

Printed Name: Atkinson

Address different from item delivery address below:

Express Mail
 Return Receipt
 C.O.D.

Extra Fee?

1206 178

4921 9021 1201 1000 0101 0001

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$		Postmark Here
Certified Fee			
Return Receipt Fee (Endorsement Required)			
Restricted Delivery Fee (Endorsement Required)			
Total Postage & Fees	\$	4.42	

Sent To: T. J. Russell
 Street, Apt. No., or PO Box No.: 1368 Cedar Ln Rd
 City, State, ZIP+4: Middletown 19709

PS Form 3800, June 2002 See Reverse for Instructions.
 PS Form 3811, August 2001 Domestic Return Receipt

4921 9021 1201 1000 0101 0001

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$		Postmark Here
Certified Fee			
Return Receipt Fee (Endorsement Required)			
Restricted Delivery Fee (Endorsement Required)			
Total Postage & Fees	\$	4.42	

Sent To: Baker Farms
 Street, Apt. No., or PO Box No.: 665 Shallockross Lake Rd
 City, State, ZIP+4: Middletown 19709

PS Form 3800, June 2002 See Reverse for Instructions.
 PS Form 3811, August 2001 Domestic Return Receipt

SECTION ON DELIVERY

Printed Name: W. B.

Address different from item delivery address below:

Express Mail
 Return Receipt
 C.O.D.

Extra Fee?

1 1206 18

0402 9021 1201 1000 0101 0001

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$		Postmark Here
Certified Fee			
Return Receipt Fee (Endorsement Required)			
Restricted Delivery Fee (Endorsement Required)			
Total Postage & Fees	\$	4.42	

Sent To: R. P. Sproul
 Street, Apt. No., or PO Box No.: 5 Cedar Shake Ct
 City, State, ZIP+4: Middletown 19709

PS Form 3800, June 2002 See Reverse for Instructions.
 PS Form 3811, August 2001 Domestic Return Receipt

4921 9021 1201 1000 0101 0001

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$		Postmark Here
Certified Fee			
Return Receipt Fee (Endorsement Required)			
Restricted Delivery Fee (Endorsement Required)			
Total Postage & Fees	\$	4.42	

Sent To: Baker Farms
 Street, Apt. No., or PO Box No.: 665 Shallockross Lake Rd
 City, State, ZIP+4: Middletown 19709

PS Form 3800, June 2002 See Reverse for Instructions.
 PS Form 3811, August 2001 Domestic Return Receipt

SECTION ON DELIVERY

Printed Name: W. B.

Address different from item delivery address below:

Express Mail
 Return Receipt
 C.O.D.

Extra Fee?

01: 1206 1

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 4.42	

Sent To: *m/m Blair*
 Street, Apt. No., or PO Box No.: *222 Chestnut Way*
 City, State, ZIP+4: *Middletown 19709*

PS Form 3800, June 2002 See Reverse for Instructions
 Form 3811, August 2001 Domestic Return Receipt

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 4.42	

Sent To: *D: P Szwetkowski*
 Street, Apt. No., or PO Box No.: *213 Chestnut Way*
 City, State, ZIP+4: *Middletown 19709*

PS Form 3800, June 2002 See Reverse for Instructions
 PS Form 3811, August 2001 Domestic Return Receipt

SECTION ON DELIVERY

Szwetkowski
 Printed Name) C

Address different from item 1 delivery address below.

Express Mail
 Return Receipt
 C.O.D.

Delivery? (Extra Fee)

11 1206 1751

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 4.42	

Sent To: *J. Nylgard*
 Street, Apt. No., or PO Box No.: *211 Chestnut Way*
 City, State, ZIP+4: *Middletown 19709*

PS Form 3800, June 2002 See Reverse for Instructions
 Form 3811, August 2001 Domestic Return Receipt

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 4.42	

Sent To: *M. B. Russell*
 Street, Apt. No., or PO Box No.: *215 Chestnut Way*
 City, State, ZIP+4: *Middletown 19709*

PS Form 3800, June 2002 See Reverse for Instructions
 PS Form 3811, August 2001 Domestic Return Receipt

SECTION ON DELIVERY

Russell
 Printed Name) C

Address different from item 1 delivery address below.

Express Mail
 Return Receipt
 C.O.D.

Delivery? (Extra Fee)

1206 1746

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 4.42	

Sent To: *M. Mumley*
 Street, Apt. No., or PO Box No.: *448 Emerson Rd*
 City, State, ZIP+4: *Middletown 19709*

PS Form 3800, June 2002 See Reverse for Instructions
 Form 3811, August 2001 Domestic Return Receipt

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 4.42	

Sent To: *Anglers Gun Club*
 Street, Apt. No., or PO Box No.: *Rosalie Brown 1058 Shallowford*
 City, State, ZIP+4: *Middletown 19709*

PS Form 3800, June 2002 See Reverse for Instructions
 PS Form 3811, August 2001 Domestic Return Receipt

SECTION ON DELIVERY

Russell
 Printed Name) C

Address different from item 1 delivery address below.

Express Mail
 Return Receipt
 C.O.D.

Delivery? (Extra Fee)

11 1206 1777

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)
 For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	4.42

Postmark Here

Sent To: K & P Mondino
 Street, Apt. No., or PO Box No.: 219 Chestnut Way
 City, State, ZIP+4: Middletown 19709

PS Form 3811, August 2001 Domestic Return Receipt

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)
 For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	4.42

Postmark Here

Sent To: A & A Rivers
 Street, Apt. No., or PO Box No.: 1336 Cedar Ln Rd
 City, State, ZIP+4: Middletown 19709

PS Form 3800, June 2002 See Reverse for Instructions

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)
 For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	4.42

Postmark Here

Sent To: D. Boyer
 Street, Apt. No., or PO Box No.: 217 Chestnut Way
 City, State, ZIP+4: Middletown 19709

PS Form 3800, June 2002 See Reverse for Instructions

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)
 For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	4.42

Postmark Here

Sent To: Boyds Corner LLC
 Street, Apt. No., or PO Box No.: 4550 New Linden Hill Rd
 City, State, ZIP+4: Wilm 19808

PS Form 3800, June 2002 See Reverse for Instructions

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)
 For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	4.42

Postmark Here

Sent To: Blenheim
 Street, Apt. No., or PO Box No.: Continental Dr
 City, State, ZIP+4: Newark 19713

PS Form 3800, June 2002 See Reverse for Instructions

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)
 For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	4.42

Postmark Here

Sent To: J. & R. Homier
 Street, Apt. No., or PO Box No.: 6 Cedar Shake Ct
 City, State, ZIP+4: Middletown 19709

PS Form 3800, June 2002 See Reverse for Instructions

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$4.42	

Sent To: Gary Markum
 Street, Apt. No., or PO Box No.: 223 Chestnut Way
 City, State, ZIP+4: Middletown 19709

PS Form 3800, June 2002 See Reverse for Instructions

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$4.42	

Sent To: J. Thomas Jr.
 Street, Apt. No., or PO Box No.: 1500 Cedar Lane Rd
 City, State, ZIP+4: Middletown 19709

PS Form 3800, June 2002 See Reverse for Instructions

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$4.42	

Sent To: P. Baker
 Street, Apt. No., or PO Box No.: 441 Emerson Rd
 City, State, ZIP+4: Middletown 19709

PS Form 3800, June 2002 See Reverse for Instructions

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$4.42	

Sent To: C. B. Seitz
 Street, Apt. No., or PO Box No.: 1294 Cedar Ln Rd
 City, State, ZIP+4: Middletown 19709

PS Form 3800, June 2002 See Reverse for Instructions

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
 (Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$4.42	

Sent To: D. J. Paltrinieri
 Street, Apt. No., or PO Box No.: 1332 Cedar Lane Rd
 City, State, ZIP+4: Middletown 19709

PS Form 3800, June 2002 See Reverse for Instructions

LANDMARK ENGINEERING

CIVIL AND SITE ENGINEERING SPECIALISTS

ONE CORPORATE COMMONS • SUITE 301
100 WEST COMMONS BOULEVARD • NEW CASTLE, DE 19720
TELEPHONE (302) 323-9377 • FAX (302) 323-9461

Dewberry
8401 Arlington Boulevard
Fairfax, Virginia 22031

FEB 17 2004

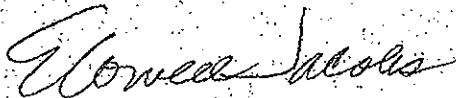
Attention: Ms. Glorianna Peng
Federal Programs

Dear Ms. Peng:

Ref. Case No.: 04-03-031P
Community: New Castle County, Delaware
(Unincorporated Areas)
Community No.: 105085

In accordance with Mr Simmons letter of Jan 15, 2004 reference a LOMR request relating to a project known as Bayberry Subdivision, and in conformance with the sample letter for LOMR therein, we have identified the owners of all the recorded properties that appear to be affected by the proposed floodplain (65) and notified them individually with a similar letter and an exhibit identifying their parcel and the general effect the floodplain revision might have (sample enclosed). Presumably this satisfies the notification requirement in Mr Simmons letter. The letters were sent by certified mail receipt requested on Feb 9, 2004. Please advise if other actions are required. Thank you for your attention to this matter.

Very Truly Yours,



E. Lowell Jacobs, PE
Senior Principal



CIVIL AND SITE ENGINEERING SPECIALISTS

ONE CORPORATE COMMONS • SUITE 301
100 WEST COMMONS BOULEVARD • NEW CASTLE, DE 19720
TELEPHONE (302) 323-9377 • FAX (302) 323-9481

Sample

February 10, 2004
C 850-2

George W. Lovett Sr. & Ruth B. Lovett
12 Shallcross Place
Middletown, DE 19709-1025

**SUBJECT: NOTIFICATION OF REVISION TO FEMA 1% (100-YEAR) ANNUAL
CHANCE FLOODPLAIN AND ESTABLISHMENT OF BASE FLOOD
ELEVATIONS**

The Flood Insurance Rate Map (FIRM) for a community depicts land which has been determined to be subject to a 1% (100-year) or greater chance of flooding in any given year. The FIRM is used to determine flood insurance rates and to help the community with floodplain management.

Landmark Engineering, Inc. is applying for a Letter of Map Revision (LOMR) from the Federal Emergency Management Agency (FEMA) on behalf of Blenheim Bayberry, LLC to revise FIRM Map Number 10003C0305 G Panel 305 of 450 and Map Number 10003C0310 G Panel 310 of 450 for New Castle County, Delaware (Unincorporated Areas), Community Number 105085, along Shallcross Lake and unnamed tributaries. Landmark Engineering, Inc. is proposing to revise the FIRM to more accurately reflect the actual existing condition in connection with the planning for a proposed residential subdivision known as "Bayberry".

The Letter of Map Revision will result in establishment of Base (1% annual chance) Flood Elevations (BFEs). Currently, the flooding along Shallcross Lake and its tributaries is based on an approximate study.

This letter is to inform you of the establishment of Base Flood Elevations and possible revision of the 1% annual floodplain on your property at Summit Bridge Rd., New Castle County Tax Parcel Number 13-012.00-039.

If you have any questions or concerns about the proposed changes to the FIRM or its effect on your property, you may contact me at (302) 323-9377.

Sincerely,

E. Lowell Jacobs, P.E.
Senior Principal

/ns
Enclosure

RT. 71

13-012.00-039

FEMA (PARTIAL MAP)
MAP NUMBER 100030305 G
PANEL 305 DF 450

CEDAR LANE RD.

EXISTING 100 YEAR
FLOOD PLAN

REVISED 100 YEAR
FLOOD PLAN

FEMA (PARTIAL MAP)
MAP NUMBER 100303010 G
PANEL 310 DF 450

BOYDS CORNER RD

SHALLCROSS LAKE RD.

SHALLCROSS LAKE

NOTE: SOME TRIBUTARIES
NOT ABUTTING OUR PROJECT
AREAS MAY NOT BE SHOWN

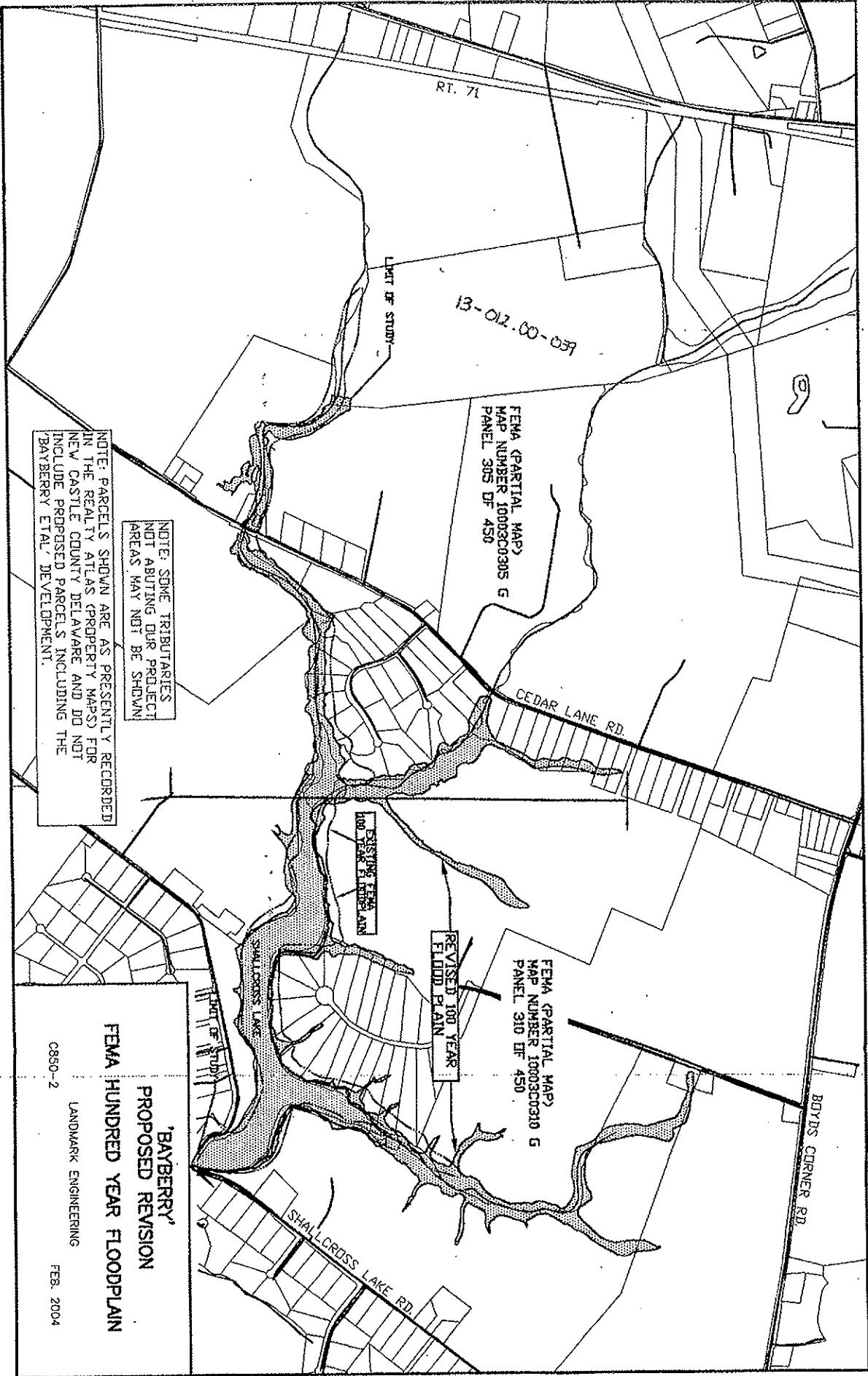
NOTE: PARCELS SHOWN ARE AS PRESENTLY RECORDED
IN THE REALTY ATLAS (PROPERTY MAPS) FOR
NEW CASTLE COUNTY DELAWARE AND DO NOT
INCLUDE PROPOSED PARCELS INCLUDING THE
'BAYBERRY ETAL.' DEVELOPMENT.

**'BAYBERRY'
PROPOSED REVISION
FEMA HUNDRED YEAR FLOODPLAIN**

LANDMARK ENGINEERING

0850-2

FEB. 2004





NATIONAL FLOOD INSURANCE PROGRAM
FEMA MAP COORDINATION CONTRACTOR

JAN 15 2004

Mr. E. Lowell Jacobs, P.E.
Landmark Engineering
One Corporate Commons
Suite 301
100 West Commons Boulevard
New Castle, Delaware 19720

IN REPLY REFER TO:

Case No.: 04-03-031P
Community: New Castle County, Delaware
(Unincorporated Areas)
Community No.: 105085
316-ACK

Dear Mr. Jacobs:

This is in response to your request dated December 4, 2003, for a Letter of Map Revision (LOMR) to the Flood Insurance Rate Map (FIRM) for the above-referenced county. Pertinent information about the request is listed below.

Identifier: Bayberry Subdivision
Flooding sources: Shallcross Lake and tributaries
Map numbers affected: New Castle County and Incorporated Areas FIRM numbers 10003C0305 G and 100030310 G, both dated October 6, 2000

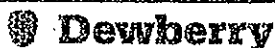
The Federal Emergency Management Agency (FEMA) uses detailed application/certification forms for revision requests or amendments to the National Flood Insurance Program (NFIP) maps. The forms provide step-by-step instructions for requesters to follow and are comprehensive, ensuring that the requesters' submissions are complete and more logically structured. Therefore, we can complete our review and respond to requesters more promptly. While completing the forms may seem burdensome, the advantages to requesters outweigh any inconvenience.

The NFIP is primarily funded by policyholders, not taxes. To minimize the financial burden on our policyholders, FEMA has established a flat processing fee for review of proposed projects and requests for revisions to published flood information and maps. Because this request is based on more detailed hydrologic and hydraulic data, its processing will be exempt from fees in accordance with Paragraph 72.5(f) of the NFIP regulations.

Using the previously referenced certification forms, we have completed an inventory of the items that you submitted. The item identified below is required before we can begin a detailed review of the request.

- FEMA must provide a statutory 90-day appeal period for all map revisions entailing Base (1% annual chance [100-year]) Flood Elevation (BFE) changes. LOMRs with

Dewberry ♦ 8401 Arlington Boulevard ♦ Fairfax, VA 22031-4466 ♦ (703) 849-0100



Under contract with the FEDERAL EMERGENCY MANAGEMENT AGENCY, is a Map Coordination Contractor for the National Flood Insurance Program.

decreasing flood hazards (1% annual chance water-surface elevations and floodplains) typically are effective the day of issuance, with any needed appeal period provided afterwards. LOMRs with increasing flood hazards typically are not effective until after any required appeal period has expired and any necessary ordinance changes have been made by the community (3 to 6 months). However, a LOMR that reflects increasing flood hazards may be effective on the day of issuance if all property owners affected by these increases are notified and approve of the increases.

Your request entails increasing mapped flood hazards, including widening of the 1% annual chance floodplain and the establishment of BFEs. Therefore, the data that you submit may determine our processing of your request, as follows:

- a. If you submit notification and acceptance of the mapped increases from all affected property owners, FEMA can issue a LOMR effective the date of issuance.
- b. If you submit notification of, but not acceptance by, all property owners affected by the mapped increases, FEMA may issue a LOMR effective 3 to 6 months after the date of issuance. Copies of our notification templates are attached for your reference.
- c. If you submit neither notification of nor acceptance by property owners affected by the mapped increases, FEMA can either defer the map change or revise the map through reissuance rather than by letter. Reissued maps are typically effective 9 to 12 months after issuance of a preliminary revision of the map.

If all of the required items are not submitted within 90 days of the date of this letter, any subsequent request will be treated as an original submittal and will be subject to all submittal procedures.

If you are unable to meet the 90-day deadline for submittal of the required items and would like FEMA to continue processing your request, you must request an extension of the deadline. This request must be submitted to us (Dewberry) in writing and must provide (1) the reason why the data cannot be submitted within the requested timeframe, and (2) a new date for the submittal of the data. FEMA receives a very large volume of requests and cannot maintain inactive requests for an indefinite period of time. Therefore, the fees will be forfeited for any request for which neither the requested data nor a written extension request is received within 90 days.

All required data and questions concerning your request are to be directed to us at the following address:

Dewberry
8401 Arlington Boulevard
Fairfax, Virginia 22031

ATTENTION: Ms. Glorianna Peng
Federal Programs

When you write to us concerning your request, please include the case number referenced above in your letter.

If you have questions, please do not hesitate to contact the FEMA Map Assistance Center toll free at 1-877-FEMA MAP (1-877-336-2627). Additional information about the NFIP is available on FEMA's website at <http://www.fema.gov/nfip>.

Sincerely,

DEWBERRY



Eric Simmons, CFM
Regional Team Director

Enclosure

cc: Mr. Charlie Baker, New Castle County General Manager of Land Use

LANDMARK ENGINEERING

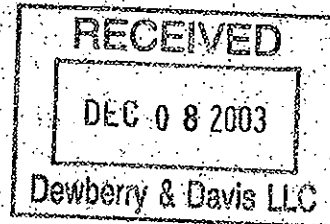
CIVIL AND SITE ENGINEERING SPECIALISTS

ONE CORPORATE COMMONS • SUITE 301
100 WEST COMMONS BOULEVARD • NEW CASTLE, DE 19720
TELEPHONE (302) 323-9377 • FAX (302) 323-9461

December 4, 2003

C 850-2

FEMA Map Coordination Contractor
P.O. Box 2210
Merrifield, VA 22116-2210



Gentlemen:

SUBJECT: LOMR FOR "BAYBERRY ET AL" - NEW CASTLE COUNTY, DELAWARE

Transmitted herewith are copies of the approved flood studies for proposed developments along Shallcross Lake and its tributaries in New Castle County, Delaware. These areas were delineated as approximate-not detailed-floodplains on the published FEMA maps. We have at the requirement of New Castle County Department of Land Use performed detailed delineations for those areas of the waterways abutting our properties.

The studies were authorized in three phases so there are three reports: Shallcross Lake; Unnamed Tributaries to Shallcross Lake; and Bayberry West, also known as Cedar Lane. An index map has been prepared to show the relationship of these three studies. Also enclosed is a disk with the TR20 and HEC2 files, and cadd files showing the revised floodplain at the 1"=1000' FEMA map scale.

Thank you for your attention to this matter.

Very truly yours,

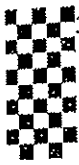
A handwritten signature in cursive script that reads "E. Lowell Jacobs".

E. Lowell Jacobs, P.E.
Senior Principal

/ns
Enclosure

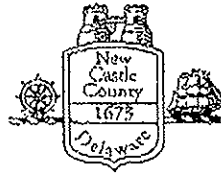
-102
-KAB
-DD

04.03.031P
62175104/04000549



HOMAS P. GORDON
COUNTY EXECUTIVE

CHARLES L. BAKER
GENERAL MANAGER



DEPARTMENT OF LAND USE

Memorandum
November 19, 2003

To: Charlie Baker
General Manager

Through: John Gysling
Civil Engineer II

George Haggerty
Assistant General Manager

From: Hap Ryan
Licensing Division

Copy to: Lowell Jacobs, Landmark Engineering

Re: Application No. 20030069 – **Bayberry South** – FEMA
Letter of Map Revision

Attached are application forms for a FEMA Letter of Map Revision on Shallcross Lake and its tributaries. The attached study was performed by Landmark Engineering to establish flood elevations for the extent of FEMA floodplain contiguous to the Bayberry subdivision. Currently there are no elevations assigned to the floodplain. I have reviewed the supporting computations and mapping and found the application satisfactory for the Department to acknowledge. The Community Official's signature page is tabbed for your signature. Once the form is signed the applicant may forward the application to FEMA for technical review and a map revision. The map revision is a necessary step towards recordation of the subdivision.

FEDERAL EMERGENCY MANAGEMENT AGENCY
OVERVIEW & CONCURRENCE FORM

O.M.B No. 3067-0148
 Expires September 30, 2005

PAPERWORK BURDEN DISCLOSURE NOTICE

Public reporting burden for this form is estimated to average 1 hour per response. The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the needed data, and completing, reviewing, and submitting the form. You are not required to respond to this collection of information unless a valid OMB control number appears in the upper right corner of this form. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing this burden to: Information Collections Management, Federal Emergency Management Agency, 500 C Street, SW, Washington DC 20472, Paperwork Reduction Project (3067-0148). Submission of the form is required to obtain or retain benefits under the National Flood Insurance Program. **Please do not send your completed survey to the above address.**

A. REQUESTED RESPONSE FROM FEMA

This request is for a (check one):

- CLOMR: A letter from FEMA commenting on whether a proposed project, if built as proposed, would justify a map revision, or proposed hydrology changes (See 44 CFR Ch. 1, Parts 60, 65 & 72).
- LOMR: A letter from FEMA officially revising the current NFIP map to show the changes to floodplains, regulatory floodway or flood elevations. (See Parts 60 & 65 of the NFIP Regulations.)

B. OVERVIEW

1. The NFIP map panel(s) affected for all impacted communities is (are):

Community No.	Community Name	State	Map No.	Panel No.	Effective Date
Ex: 480301	City of Katy	TX	480301	0005D	02/08/83
480287	Harris County	TX	48201C	0220G	09/28/90
105085	New Castle County	DE	10003C	0310G	10/06/00

2. Flooding Source: Shallcross Lake and Unnamed Tributaries

3. Project Name/Identifier: Bayberry

4. FEMA zone designations affected: A (choices: A, AH, AO, A1-A30, A99, AE, AR, V, V1-V30, VE, B, C, D, X)

5. Basis for Request and Type of Revision:

a. The basis for this revision request is (check all that apply)

- Physical Change Improved Methodology/Data
- Regulatory Floodway Revision Other (Attach Description)

Note: A photograph and narrative description of the area of concern is not required, but is very helpful during review.

b. The area of revision encompasses the following types of flooding and structures (check all that apply)

- Types of Flooding: Riverine Coastal Shallow Flooding (e.g., Zones AO and AH)
- Alluvial fan Lakes Other (Attach Description)
- Structures: Channelization Levee/Floodwall Bridge/Culvert
- Dam Fill Other, Attach Description

C. REVIEW FEE

Has the review fee for the appropriate request category been included?

Yes

Fee amount: \$ _____

No, Attach Explanation None Required.

Please see the FEMA Web site at http://www.fema.gov/fhm/firm_fees.shtml for Fee Amounts and Exemptions.

D. SIGNATURE

All documents submitted in support of this request are correct to the best of my knowledge. I understand that any false statement may be punishable by fine or imprisonment under Title 18 of the United States Code, Section 1001.

Name: E. Lowell Jacobs		Company: Landmark Engineering, Inc.	
Mailing Address: 100 W. Commons Boulevard Suite 301 New Castle, DE 19720		Daytime Telephone No.: (302) 323-9377	Fax No.: (302) 323-9461
		E-Mail Address: Lowell.Jacobs@LandmarkEngineering.com	
Signature of Requester (required): <i>E. Lowell Jacobs</i>		Date: August 30, 2003	

As the community official responsible for floodplain management, I hereby acknowledge that we have received and reviewed this Letter of Map Revision (LOMR) or conditional LOMR request. Based upon the community's review, we find the completed or proposed project meets or is designed to meet all of the community floodplain management requirements, including the requirement that no fill be placed in the regulatory floodway, and that all necessary Federal, State, and local permits have been, or in the case of a conditional LOMR, will be obtained. In addition, we have determined that the land and any existing or proposed structures to be removed from the SFHA are or will be reasonably safe from flooding as defined in 44CFR 65.2(c), and that we have available upon request by FEMA, all analyses and documentation used to make this determination.

Community Official's Name and Title: Charles Baker, General Manager		Telephone No.: 302-395-5472
Community Name: New Castle County	Community Official's Signature (required): <i>Charles Baker</i>	Date: 11/25/03

CERTIFICATION BY REGISTERED PROFESSIONAL ENGINEER AND/OR LAND SURVEYOR

This certification is to be signed and sealed by a licensed land surveyor, registered professional engineer, or architect authorized by law to certify elevation information. All documents submitted in support of this request are correct to the best of my knowledge. I understand that any false statement may be punishable by fine or imprisonment under Title 18 of the United States Code, Section 1001.

Certifier's Name: E. Lowell Jacobs, P.E.	License No.: DE 4670	Expiration Date: 6-30-04
Company Name: Landmark Engineering, Inc.	Telephone No.: (302) 323-9377	Fax No.: (302) 323-9461
Signature: <i>E. Lowell Jacobs</i>		Date: August 30, 2003

Ensure the forms that are appropriate to your revision request are included in your submittal.

Form Name and (Number)	Required If ...
<input checked="" type="checkbox"/> Riverine Hydrology and Hydraulics Form (Form 2)	New or revised discharges or water-surface elevations
<input type="checkbox"/> Riverine Structures Form (Form 3)	Channel is modified, addition/revision of bridge/culverts, addition/revision of levee/floodwall, addition/revision of dam
<input type="checkbox"/> Coastal Analysis Form (Form 4)	New or revised coastal elevations
<input type="checkbox"/> Coastal Structures Form (Form 5)	Addition/revision of coastal structure
<input type="checkbox"/> Alluvial Fan Flooding Form (Form 6)	Flood control measures on alluvial fans



**TR-20 Data for a point 2,500 feet downstream of Cedar
Lane Road and Corresponding LOMR dated October 19,
2007**

*****80-80 LIST OF INPUT DATA FOR TR-20 HYDROLOGY*****

JOB TR20										10
TITLE 001 CEDAR LANE-TR20-C1286										20
6 RUNOFF 1 001	12.41	64.72	1.0	1	1	1				30
ENDATA										40
7 INCREM 6	0.10									50
7 COMPUT 7 001 001	0.0	7.2	1.0	2	2	01	01			60
ENDCMP 1										70
ENDJOB 2										80

*****END OF 80-80 LIST*****

TR20	-----	SCS -
	CEDAR LANE-TR20-C1286	VERSION
10/29/**		2.04TEST
14:58:47	PASS 1 JOB NO. 1	PAGE 1

COMPUTER PROGRAM FOR PROJECT FORMULATION - HYDROLOGY USER NOTES

The Users' Manual for this program is SCS Technical Release 20 (TR-20), dated April 1990. The TR-20 program is no longer supported on the mainframe since all post 1986 program changes have only been in the IBM compatible microcomputer environment.

Compatible input and data check programs are TR20INPT.EXE, version III, dated 01/30/90 and TR20CK.EXE, version II, which is forthcoming.

Major changes from the 1986 TR-20 microcomputer version are:

HYDROGRAPH GENERATION: program procedure to develop runoff hydrographs revised to preserve total hydrograph volume as well as the peak discharge. Hydrographs can contain up to four hundred main time increment points from the beginning of runoff.

ATKIN ROUTING: separate channel and floodplain lengths can be entered to define additional storage in meandering channels below the representative low ground elevation. Program changes have been made to better handle multiple

peaked hydrographs.

FLOW DURATION: can be obtained if requested.

OUTPUT 80 COLUMNS: Output fits 80 column paper. Hydrograph coordinates over 100 cfs are rounded and shown as whole numbers.

ERRORS, WARNINGS, AND MESSAGES: expanded and updated.

LIST OPTIONS: can print all or selected parts of input data.

INTERMEDIATE PEAKS: requires new IPEAKS record.

1
 TR20 ----- SCS -
 CEDAR LANE-TR20-C1286 VERSION
 10/29/** 2.04TEST
 14:58:47 PASS 1 JOB NO. 1 PAGE 2

EXECUTIVE CONTROL INCREM MAIN TIME INCREMENT = .100 HOURS 50

EXECUTIVE CONTROL COMPUT FROM XSECTION 1 TO XSECTION 1 60
 STARTING TIME = .00 RAIN DEPTH = 7.20 RAIN DURATION = 1.00
 ANT. RUNOFF COND. = 2 MAIN TIME INCREMENT = .100 HOURS
 ALTERNATE NO. = 1 STORM NO. = 1 RAIN TABLE NO. = 2

OPERATION RUNOFF XSECTION 1
 PEAK TIME(HRS) 12.52 PEAK DISCHARGE(CFS) 449.0 PEAK ELEVATION(FEET)
 (RUNOFF)
 RUNOFF ABOVE BASEFLOW (BASEFLOW = .00 CFS)
 3.23 WATERSHED INCHES; 854 CFS-HRS; 70.6 ACRE-FEET.
 DURATION(HRS) 2 4 6 8 10 12 14 16
 FLOW(CFS) 88 42 30 23 19 17 7 1
 DURATION(HRS) 16
 FLOW(CFS) 0

EXECUTIVE CONTROL ENDCMP COMPUTATIONS COMPLETED FOR PASS 1 70

1
 TR20 ----- SCS -
 CEDAR LANE-TR20-C1286 VERSION
 10/29/** 2.04TEST
 14:58:47 SUMMARY, JOB NO. 1 PAGE 3

SUMMARY TABLE 1

 SELECTED RESULTS OF STANDARD AND EXECUTIVE CONTROL IN ORDER PERFORMED.
 A CHARACTER FOLLOWING THE PEAK DISCHARGE TIME AND RATE (CFS) INDICATES:
 F-FLAT TOP HYDROGRAPH T-TRUNCATED HYDROGRAPH R-RISING TRUNCATED HYDROGRAPH

CLSBL.OUT

XSECTION/ STRUCTURE ID	STANDARD CONTROL OPERATION	DRAINAGE AREA (SQ MI)	RUNOFF AMOUNT (IN)	PEAK DISCHARGE			
				ELEVATION (FT)	TIME (HR)	RATE (CFS)	RATE (CSM)

RAINFALL OF 7.20 inches AND 24.00 hr DURATION, BEGINS AT .0 hrs.
 RAINFALL NUMBER 2, ARC 2
 MAIN TIME INCREMENT .100 HOURS

ALTERNATE 1 STORM 1

XSECTION 1	RUNOFF	.41	3.23	---	12.52	449	1095.1
TR20 ----- SCS -							VERSION
10/29/**							2.04TEST
14:58:47							PAGE 4
CEDAR LANE-TR20-C1286							
SUMMARY, JOB NO. 1							

SUMMARY TABLE 3

STORM DISCHARGES (CFS) AT XSECTIONS AND STRUCTURES FOR ALL ALTERNATES
 QUESTION MARK (?) AFTER: OUTFLOW PEAK - RISING TRUNCATED HYDROGRAPH.

XSECTION/ STRUCTURE ID	DRAINAGE AREA (SQ MI)	STORM NUMBERS.....
------------------------------	-----------------------------	--------------------

XSECTION	1	.41
ALTERNATE	1	449

TR20 ----- SCS -		
10/29/**		
2.04TEST		
CEDAR LANE-TR20-C1286		

END OF 1 JOBS IN THIS RUN

SCS TR-20, VERSION 2.04TEST
 FILES

INPUT = A:CLSBL.DAT , GIVEN DATA FILE
 OUTPUT = A:CLSBL.OUT , DATED 10/29/**,14:58:47

FILES GENERATED - DATED 10/29/**,14:58:47

FILE A:CLSBL.TMG CONTAINS MESSAGE + WARNING INFORMATION

CLSB1.OUT

TOTAL NUMBER OF WARNINGS = 1, MESSAGES = 0

*** TR-20 RUN COMPLETED ***



Federal Emergency Management Agency
Washington, D.C. 20472

JUN 29 2007

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

The Honorable Chris Coons
New Castle County Executive
87 Read's Way
New Castle, DE 19720

IN REPLY REFER TO:

Case No.: 07-03-0823P
Community Name: New Castle County, DE
Community No.: 105085
Effective Date of **OCT 19 2007**
This Revision:

Dear Mr. Coons:

The Flood Insurance Study report and Flood Insurance Rate Map for your community has been revised by this Letter of Map Revision (LOMR). Please use the enclosed annotated map panel(s) revised by this LOMR for floodplain management purposes and for all flood insurance policies and renewals issued in your community.

Additional documents are enclosed which provide information regarding this LOMR. Please see the List of Enclosures below to determine which documents are included. Other attachments specific to this request may be included as referenced in the Determination Document. If you have any questions regarding floodplain management regulations for your community or the National Flood Insurance Program (NFIP) in general, please contact the Consultation Coordination Officer for your community. If you have any technical questions regarding this LOMR, please contact the Director, Federal Insurance and Mitigation Division of the Department of Homeland Security's Federal Emergency Management Agency (FEMA) in Philadelphia, Pennsylvania, at (215) 931-5512, or the FEMA Map Assistance Center, toll free, at 1-877-336-2627 (1-877-FEMA MAP). Additional information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

Sincerely,

Lora S. Eskandary, CFM, Project Engineer
Engineering Management Section
Mitigation Division

For: William R. Blanton Jr., CFM, Chief
Engineering Management Section
Mitigation Division

List of Enclosures:

Letter of Map Revision Determination Document
Annotated Flood Insurance Rate Map
Annotated Flood Insurance Study Report

cc: Mr. Charlie Baker
General Manager
New Castle County

Karins and Associates

Pleasanton Development, LLC



Federal Emergency Management Agency
Washington, D.C. 20472

LETTER OF MAP REVISION
DETERMINATION DOCUMENT

COMMUNITY AND REVISION INFORMATION		PROJECT DESCRIPTION	BASIS OF REQUEST
COMMUNITY	New Castle County Delaware (Unincorporated Areas)	NO PROJECT	HYDRAULIC ANALYSIS HYDROLOGIC ANALYSIS NEW TOPOGRAPHIC DATA
	COMMUNITY NO.: 105085		
IDENTIFIER	Spring Mill Branch	APPROXIMATE LATITUDE & LONGITUDE: 39.490, -75.703 SOURCE: USGS QUADRANGLE DATUM: NAD 27	
ANNOTATED MAPPING ENCLOSURES		ANNOTATED STUDY ENCLOSURES	
TYPE: FIRM*	NO.: 10003C0305 J DATE: January 17, 2007	DATE OF EFFECTIVE FLOOD INSURANCE STUDY: January 17, 2007 PROFILE(S): 74P SUMMARY OF DISCHARGES TABLE: 2	

Enclosures reflect changes to flooding sources affected by this revision.

* FIRM - Flood Insurance Rate Map; ** FBFM - Flood Boundary and Floodway Map; *** FHBM - Flood Hazard Boundary Map

FLOODING SOURCE(S) & REVISED REACH(ES)

Spring Mill Branch - from approximately 1,400 to 3,350 feet upstream of Cedar Lane Road

SUMMARY OF REVISIONS

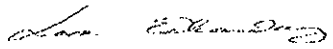
Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Spring Mill Branch	Zone A	Zone AE	YES	YES
	Zone AE	Zone AE	NONE	YES
	No BFEs*	BFEs	YES	NONE
	BFEs	BFEs	YES	NONE

* BFEs - Base Flood Elevations

DETERMINATION

This document provides the determination from the Department of Homeland Security's Federal Emergency Management Agency (FEMA) regarding a request for a Letter of Map Revision (LOMR) for the area described above. Using the information submitted, we have determined that a revision to the flood hazards depicted in the Flood Insurance Study (FIS) report and/or National Flood Insurance Program (NFIP) map is warranted. This document revises the effective NFIP map, as indicated in the attached documentation. Please use the enclosed annotated map panels revised by this LOMR for floodplain management purposes and for all flood insurance policies and renewals in your community.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Assistance Center toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMR Depot, 3601 Eisenhower Avenue, Alexandria, VA 22304. Additional Information about the NFIP is available on our website at <http://www.fema.gov/nfip>.


Lora S. Eskandary, CFM, Project Engineer
Engineering Management Section
Mitigation Division



Federal Emergency Management Agency

Washington, D.C. 20472

LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

COMMUNITY INFORMATION

APPLICABLE NFIP REGULATIONS/COMMUNITY OBLIGATION

We have made this determination pursuant to Section 206 of the Flood Disaster Protection Act of 1973 (P.L. 93-234) and in accordance with the National Flood Insurance Act of 1968, as amended (Title XIII of the Housing and Urban Development Act of 1968, P.L. 90-448), 42 U.S.C. 4001-4128, and 44 CFR Part 65. Pursuant to Section 1361 of the National Flood Insurance Act of 1968, as amended, communities participating in the NFIP are required to adopt and enforce floodplain management regulations that meet or exceed NFIP criteria. These criteria, including adoption of the FIS report and FIRM, and the modifications made by this LOMR, are the minimum requirements for continued NFIP participation and do not supersede more stringent State or local requirements to which the regulations apply.

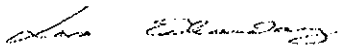
COMMUNITY REMINDERS

We based this determination on the 1-percent-annual-chance discharges computed in the submitted hydrologic model. Future development of projects upstream could cause increased discharges, which could cause increased flood hazards. A comprehensive restudy of your community's flood hazards would consider the cumulative effects of development on discharges and could, therefore, indicate that greater flood hazards exist in this area.

Your community must regulate all proposed floodplain development and ensure that permits required by Federal and/or State law have been obtained. State or community officials, based on knowledge of local conditions and in the interest of safety, may set higher standards for construction or may limit development in floodplain areas. If your State or community has adopted more restrictive or comprehensive floodplain management criteria, those criteria take precedence over the minimum NFIP requirements.

We will not print and distribute this LOMR to primary users, such as local insurance agents or mortgage lenders; instead, the community will serve as a repository for the new data. We encourage you to disseminate the information in this LOMR by preparing a news release for publication in your community's newspaper that describes the revision and explains how your community will provide the data and help interpret the NFIP maps. In that way, interested persons, such as property owners, insurance agents, and mortgage lenders, can benefit from the information.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Assistance Center toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMR Depot, 3601 Eisenhower Avenue, Alexandria, VA 22304. Additional information about the NFIP is available on our website at <http://www.fema.gov/nfip>.


Lora S. Eskandary, CFM, Project Engineer
Engineering Management Section
Mitigation Division



Federal Emergency Management Agency
Washington, D.C. 20472

**LETTER OF MAP REVISION
DETERMINATION DOCUMENT (CONTINUED)**

We have designated a Consultation Coordination Officer (CCO) to assist your community. The CCO will be the primary liaison between your community and FEMA. For information regarding your CCO, please contact:

Mr. Eugene K. Gruber
Director, Federal Insurance and Mitigation Division
Federal Emergency Management Agency, Region III
One Independence Mall, Sixth Floor
615 Chestnut Street
Philadelphia, PA 19106-4404
(215) 931-5512

STATUS OF THE COMMUNITY NFIP MAPS

We will not physically revise and republish the FIRM and FIS report for your community to reflect the modifications made by this LOMR at this time. When changes to the previously cited FIRM panel(s) and FIS report warrant physical revision and republication in the future, we will incorporate the modifications made by this LOMR at that time.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Assistance Center toll free at 1-877-338-2627 (1-877-FEMA MAP) or by letter addressed to the LOMR Depot, 3601 Eisenhower Avenue, Alexandria, VA 22304. Additional information about the NFIP is available on our website at <http://www.fema.gov/nfip>.

A handwritten signature in black ink, appearing to read "Lora S. Eskandary".

Lora S. Eskandary, CFM, Project Engineer
Engineering Management Section
Mitigation Division



Federal Emergency Management Agency

Washington, D.C. 20472

LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

PUBLIC NOTIFICATION OF REVISION

PUBLIC NOTIFICATION

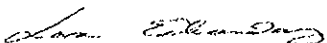
FLOODING SOURCE	LOCATION OF REFERENCED ELEVATION	BFE (FEET NAVD 88)		MAP PANEL NUMBER(S)
		EFFECTIVE	REVISED	
Spring Mill Branch	Approximately 1,950 feet upstream of Cedar Lane Road	29	30	10003C0305J
	Approximately 3,150 feet upstream of Cedar Lane Road	None	35	10003C0305J

Within 90 days of the second publication in the local newspaper, a citizen may request that we reconsider this determination. Any request for reconsideration must be based on scientific or technical data. Therefore, this letter will be effective only after the 90-day appeal period has elapsed and we have resolved any appeals that we receive during this appeal period. Until this LOMR is effective, the revised BFEs presented in this LOMR may be changed.

A notice of changes will be published in the *Federal Register*. This information also will be published in your local newspaper on or about the dates listed below.

LOCAL NEWSPAPER Name: *Newark Post*
 Dates: 7/13/2007 and 7/20/2007

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Assistance Center toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMR Depot, 3601 Eisenhower Avenue, Alexandria, VA 22304. Additional information about the NFIP is available on our website at <http://www.fema.gov/nfip>.


 Lora S. Eskandary, CFM, Project Engineer
 Engineering Management Section
 Mitigation Division

CHANGES ARE MADE IN DETERMINATIONS OF BASE FLOOD ELEVATIONS FOR THE UNINCORPORATED AREAS OF NEW CASTLE COUNTY, DELAWARE, UNDER THE NATIONAL FLOOD INSURANCE PROGRAM

On January 17, 2007, the Department of Homeland Security's Federal Emergency Management Agency identified Special Flood Hazard Areas (SFHAs) in the unincorporated areas of New Castle County, Delaware, through issuance of a Flood Insurance Rate Map (FIRM). The Mitigation Division has determined that modification of the Base (1-percent-annual-chance) Flood Elevations (BFEs) for certain locations in this community is appropriate. The modified BFEs revise the FIRM for the community.

The changes are being made pursuant to Section 206 of the Flood Disaster Protection Act of 1973 (Public Law 93-234) and are in accordance with the National Flood Insurance Act of 1968, as amended (Title XIII of the Housing and Urban Development Act of 1968, Public Law 90-448), 42 U.S.C. 4001-4128, and 44 CFR Part 65.

A hydraulic analysis was performed to incorporate updated topographic and hydrologic information and has resulted in an increase in SFHA width, a decrease in SFHA width, and the establishment of BFEs for Spring Mill Brook. The table below indicates existing and modified BFEs for selected locations along the affected lengths of the flooding source(s) cited above.

Location	Existing BFE (feet)*	Modified BFE (feet)*
Approximately 1,950 feet upstream of Cedar Lane Road	29	30
Approximately 3,150 feet upstream of Cedar Lane Road	None	35

*North American Vertical Datum, rounded to nearest whole foot

Under the above-mentioned Acts of 1968 and 1973, the Mitigation Division must develop criteria for floodplain management. To participate in the National Flood Insurance Program (NFIP), the community must use the modified BFEs to administer the floodplain management measures of the NFIP. These modified BFEs will also be used to calculate the appropriate flood insurance premium rates for new buildings and their contents and for the second layer of insurance on existing buildings and contents.

Upon the second publication of notice of these changes in this newspaper, any person has 90 days in which he or she can request, through the Chief Executive Officer of the community, that the Mitigation Division reconsider the determination. Any request for reconsideration must be based on knowledge of changed conditions or new scientific or technical data. All interested parties are on notice that until the 90-day period elapses, the Mitigation Division's determination to modify the BFEs may itself be changed.

Any person having knowledge or wishing to comment on these changes should immediately notify:

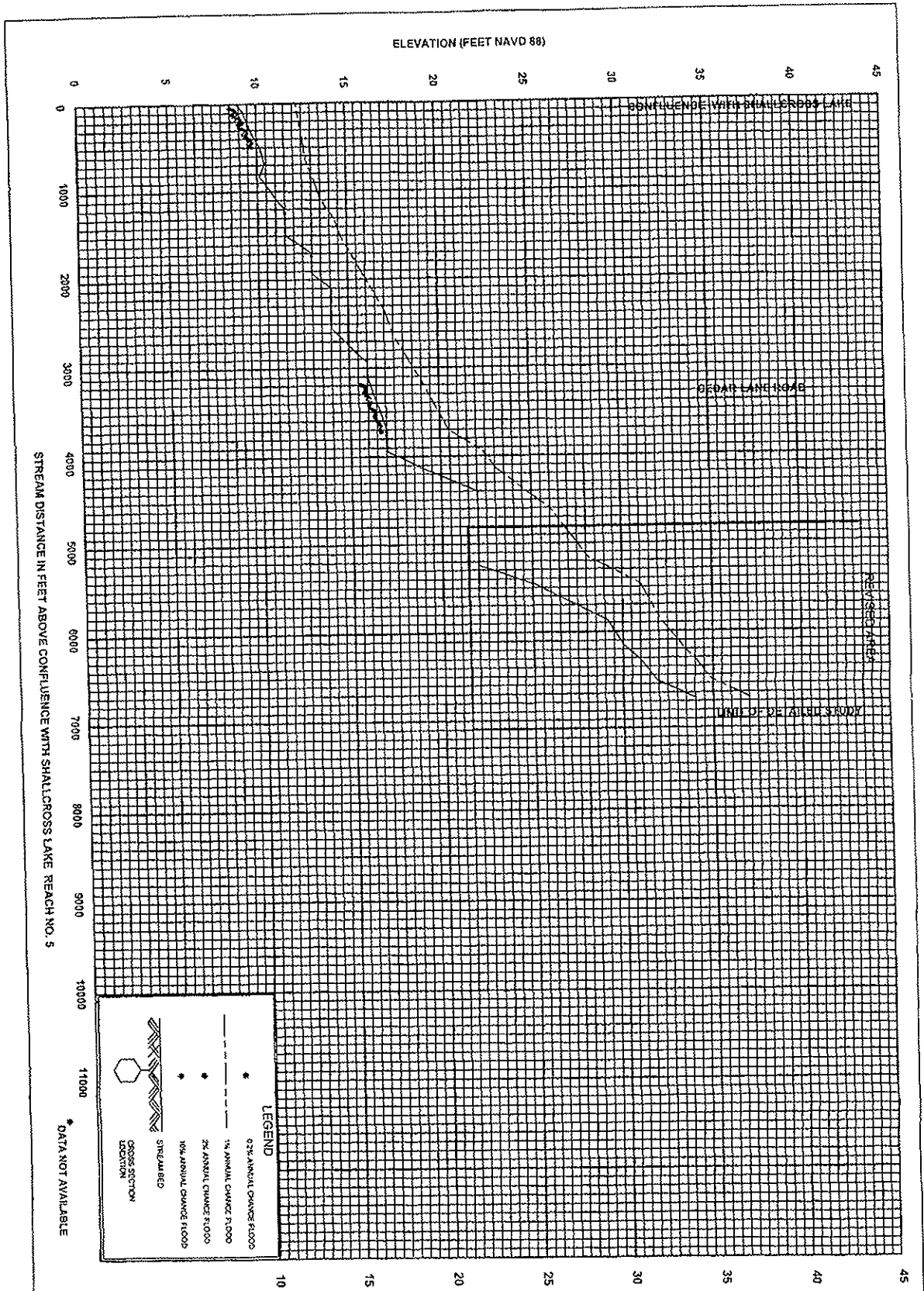
The Honorable Chris Coons
New Castle County Executive
87 Read's Way
New Castle, DE 19720

Table 2. Summary of Discharges (Cont'd)

Flooded Source and Location	Drainage Area (sq. mi.)	Peak Discharges (cfs)			
		10-Percent-Annual-Chance	2-Percent-Annual-Chance	1-Percent-Annual-Chance	0.2-Percent-Annual-Chance
SOUTH BRANCH NAAMAN CREEK (cont'd) Upstream of confluence of tributary approximately 200 feet downstream of Acme parking lot bridge	2.00	507	898	1,173	1,975
Upstream of confluence of tributary approximately 1,600 feet downstream of New Castle County boundary	1.00	256	465	611	1,060
SPRING MILL BRANCH At the confluence with Shallcross Lake	0.41	*	*	449	*
At a point approximately 2,500 feet upstream of Cedar Lane Road	1.42	*	*	1,116	*
TRIBUTARY TO BELLTOWN RUN TRIBUTARY 1 At a point approximately 300 feet Upstream of Pulaski Highway	0.43	*	*	709	* REVISED DATA
TRIBUTARY TO WEST BRANCH CHRISTINA RIVER At confluence with the West Branch Christina River	*	785	*	1,168	1,491
TRIBUTARY TO WHITE CLAY CREEK At confluence with White Clay Creek	1.62	600	1,200	1,600	2,700

REVISED TO REFLECT LOMR EFFECTIVE OCT 19 2007

*Data not available



FEDERAL EMERGENCY MANAGEMENT AGENCY
NEW CASTLE COUNTY, DELEWARE
 AND INCORPORATED AREAS

FLOOD PROFILES
SPRING MILL BRANCH

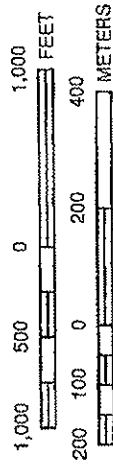
RECEIVED TO
 EFFECTIVE OCT 19 2007

74P

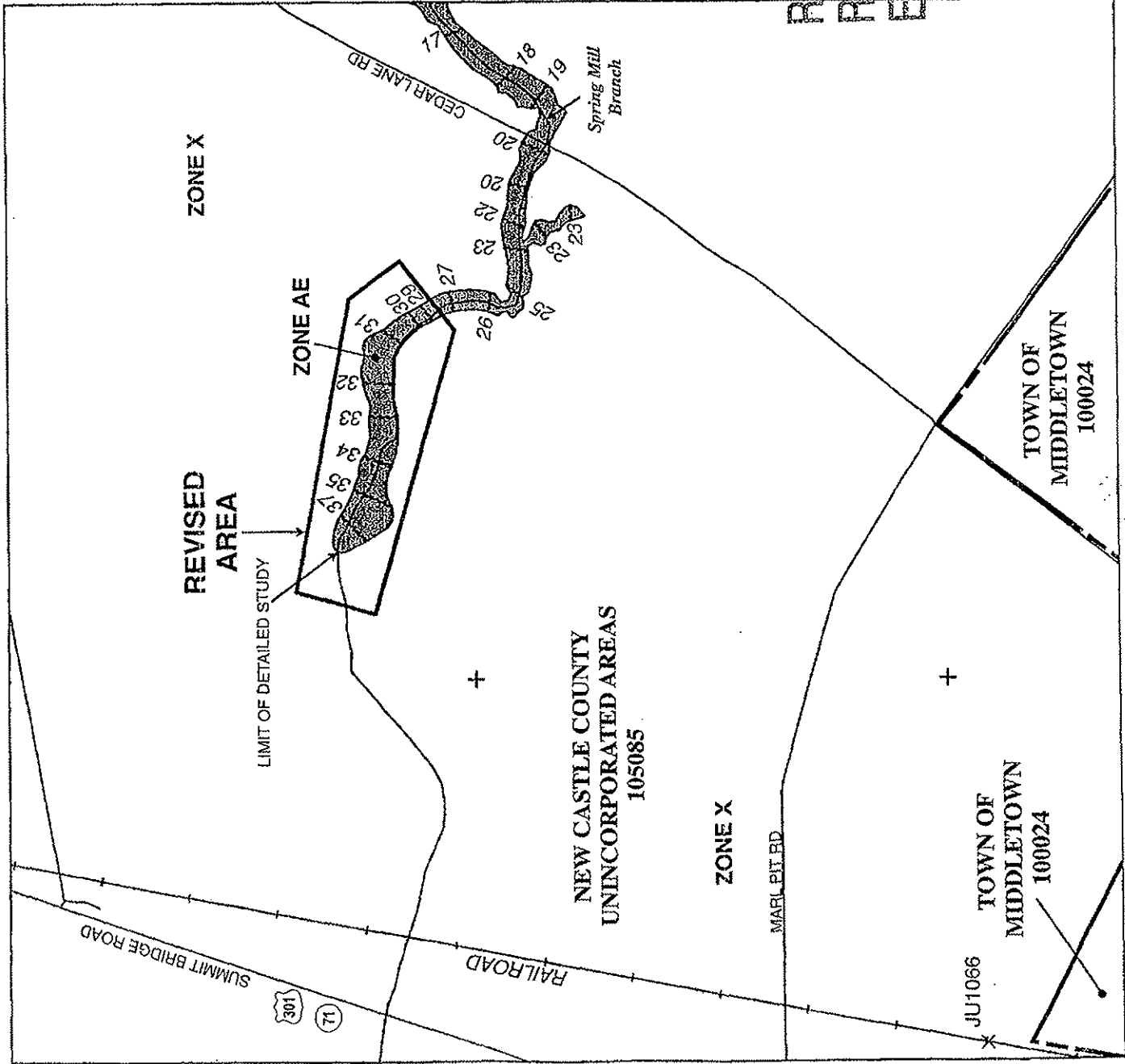
Legend

- 1% annual chance (100-Year) Floodplain
- 1% annual chance (100-Year) Floodway
- 0.2% annual chance (500-Year) Floodplain

All Elevations Referenced in NAVD 88



MAP SCALE 1" = 1000'



PANEL 0305J

FIRM
FLOOD INSURANCE RATE MAP
NEW CASTLE COUNTY,
DELAWARE
AND INCORPORATED AREAS

PANEL 305 OF 475
INDEX FOR FIRM PANEL LAYOUT

REVISIED TO REFLECT TEMPORARY CHANGES EFFECTIVE OCT 19 2007

MAP NUMBER 10088306851
MAP REVISED JANUARY 17, 2007

Federal Emergency Management Agency

Files Contained on Disk:

Shallcross Lake:

A:/ShalTR20.dat	Input for Shallcross Lake TR20
A:/ShalTR20.out	Output for Shallcross Lake TR20 including lake pool elevation

Tributaries to Shallcross Lake:

A:/SSB1A.hc2
A:/SSB1C.hc2
A:/SSB1R.hc2
A:/SSB4AA.hc2
A:/SSB4AB.hc2
A:/SSB4B.hc2

Cedar Lane ("Bayberry West"):

A:/CLSB1.dat	Input for Cedar Lane TR20
A:/CLSB1.out	Output for Cedar Lane TR20
A:/CLSB12.hc2	HEC2 East side of Cedar Lane
A:/CLW.hc2	HC2 West side of Cedar Lane

Cadd File for index map:

A:/Flood.dwg