

Follows Conditional Case No.: 17-04-6531R



Federal Emergency Management Agency

Washington, D.C. 20472

LETTER OF MAP REVISION DETERMINATION DOCUMENT

COMMUNITY AND REVISION INFORMATION		PROJECT DESCRIPTION	BASIS OF REQUEST
COMMUNITY	City of Charlotte Mecklenburg County North Carolina	BRIDGE	1D HYDRAULIC ANALYSIS FLOODWAY UPDATED TOPOGRAPHIC DATA
	COMMUNITY NO.: 370159		
IDENTIFIER	25Th Street Extension	APPROXIMATE LATITUDE & LONGITUDE: 35.240, -80.816 SOURCE: Other DATUM: NAD 83	
ANNOTATED MAPPING ENCLOSURES		ANNOTATED STUDY ENCLOSURES	
TYPE: FIRM* NO.: 3710455400K DATE: February 19, 2014		DATE OF EFFECTIVE FLOOD INSURANCE STUDY: November 16, 2018 FLOODWAY DATA TABLE: 14	

Enclosures reflect changes to flooding sources affected by this revision.

* FIRM - Flood Insurance Rate Map

FLOODING SOURCE AND REVISED REACH

Little Sugar Creek – from approximately 600 feet upstream of North Davidson Street to approximately 350 feet upstream of North Brevard Street

SUMMARY OF REVISIONS

Flooding Source	Effective Flooding	Revised Flooding	Increases	Decreases
Little Sugar Creek	Zone AE	Zone AE	YES	YES
	Floodway	Floodway	YES	YES
	BFEs*	BFEs*	YES	YES
	Zone X (Shaded)	Zone X (Shaded)	YES	YES
	Community Floodway	Community Floodway	YES	YES

* 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 Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <https://www.fema.gov/flood-insurance>.

Patrick "Rick" F. Sacbibit, P.E., Branch Chief
Engineering Services Branch
Federal Insurance and Mitigation Administration



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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/Commonwealth or local requirements to which the regulations apply.

We provide the floodway designation to your community as a tool to regulate floodplain development. Therefore, the floodway revision we have described in this letter, while acceptable to us, must also be acceptable to your community and adopted by appropriate community action, as specified in Paragraph 60.3(d) of the NFIP regulations.

NFIP regulations Subparagraph 60.3(b)(7) requires communities to ensure that the flood-carrying capacity within the altered or relocated portion of any watercourse is maintained. This provision is incorporated into your community's existing floodplain management ordinances; therefore, responsibility for maintenance of the altered or relocated watercourse, including any related appurtenances such as bridges, culverts, and other drainage structures, rests with your community. We may request that your community submit a description and schedule of maintenance activities necessary to ensure this requirement.

COMMUNITY REMINDERS

We based this determination on the 1-percent-annual-chance flood discharges computed in the FIS for your community without considering subsequent changes in watershed characteristics that could increase flood discharges. Future development of projects upstream could cause increased flood discharges, which could cause increased flood hazards. A comprehensive restudy of your community's flood hazards would consider the cumulative effects of development on flood discharges subsequent to the publication of the FIS report for your community and could, therefore, establish greater flood hazards 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.

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 Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <https://www.fema.gov/flood-insurance>.

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LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

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 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:

Jacky Bell
Director, Mitigation Division
Federal Emergency Management Agency, Region IV
Rhodes Building, 3005 Chamblee Tucker Road
Atlanta, GA 30341
(770) 220-5406

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 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 Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <https://www.fema.gov/flood-insurance>.


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LETTER OF MAP REVISION DETERMINATION DOCUMENT (CONTINUED)

PUBLIC NOTIFICATION OF REVISION

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, and through FEMA's Flood Hazard Mapping website at

https://www.floodmaps.fema.gov/fhm/bfe_status/bfe_main.asp

LOCAL NEWSPAPER

Name: *Mecklenburg Times*

Dates: January 24, 2023 and January 31, 2023

Within 90 days of the second publication in the local newspaper, any interested party 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 flood hazard determination presented in this LOMR may be changed.

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 Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP) or by letter addressed to the LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, VA 22304-6426. Additional Information about the NFIP is available on our website at <https://www.fema.gov/flood-insurance>.

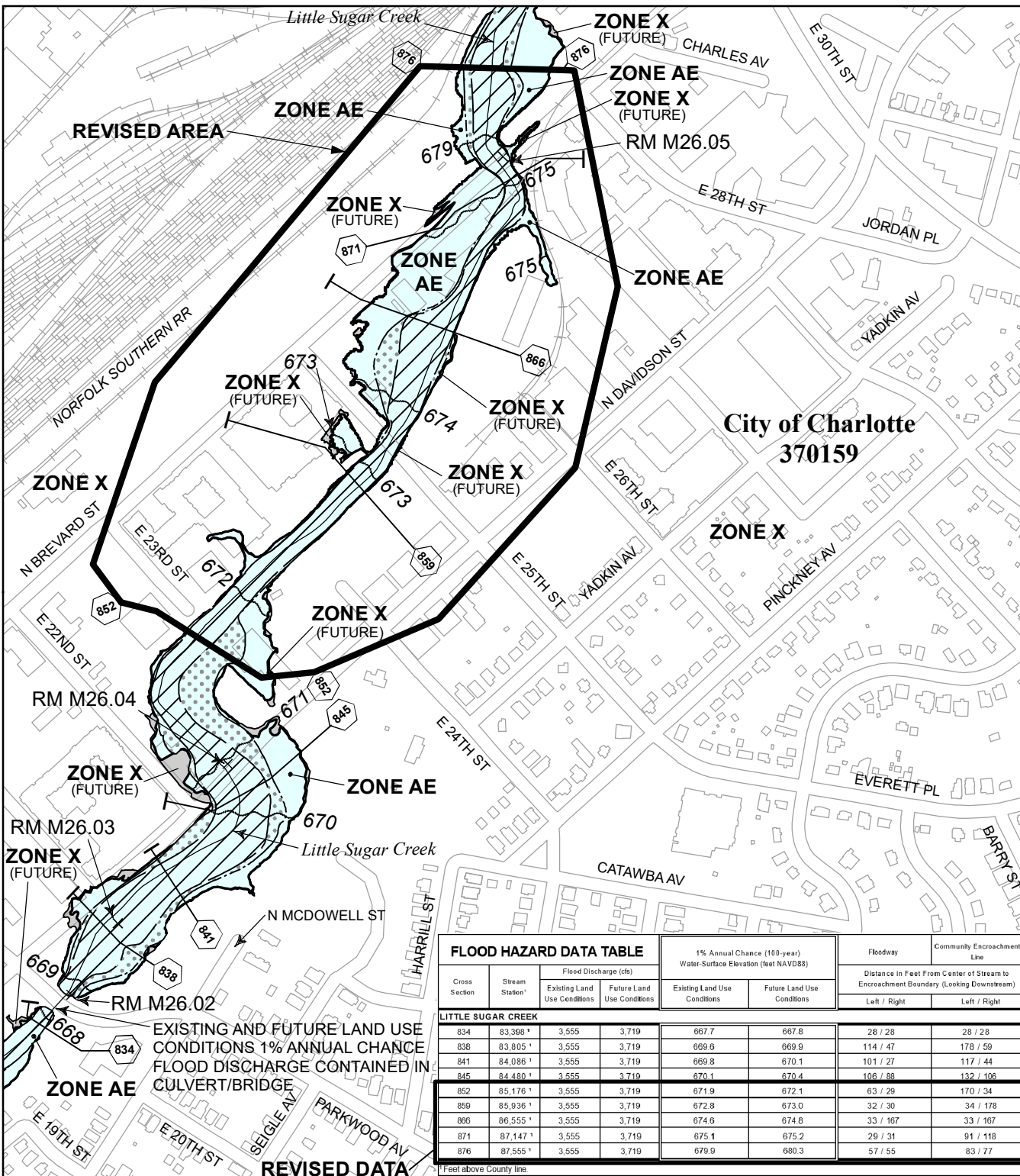
A handwritten signature in black ink, appearing to read "Rick F. Sacbibit".

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Engineering Services Branch
Federal Insurance and Mitigation Administration

Table 14 - Floodway Data

Cross Section	Distance (Feet Above Mouth)	1% Flood Discharges		Floodway			Non-Encroachment Offsets		Water Surface Elevation				
		Existing Land Use Conditions	Future Land Use Conditions	Width (Feet)	Section Area (Square Feet)	Mean Velocity (Feet Per Second)	Floodway	Community Encroachment Area	Regulatory	1% Annual Chance Future Water-Surface Elevation	Without Floodway	With Floodway	Increase
Little Sugar Creek													
796	79,646	4,238	4,394	122	911	4.6	45 / 76	45 / 112	654.4	654.9	654.4	655.0	0.5
800	79,975	4238	4394	81	603	6.9	34 / 47	34 / 47	655.7	656.2	655.7	656.0	0.3
804	80,402	4161	4329	76	577	6.2	36 / 40	38 / 64	656.6	657.0	656.6	656.8	0.2
807	80,746	4161	4329	49	500	7.2	25 / 24	62 / 34	657.8	658.3	657.8	657.9	0.2
812	81,231	3584	3750	79	512	7.0	41 / 38	162 / 39	659.1	659.6	659.1	659.2	0.0
816	81,600	3,584	3,750	77	654	5.5	28 / 49	46 / 63	661.4	661.8	661.4	661.4	0.1
820	81,953	3,584	3,750	197	1,163	3.1	92 / 105	255 / 275	662.0	662.4	662.0	662.2	0.2
824	82,429	3,584	3,750	68	502	7.1	47 / 21	138 / 37	662.3	662.5	662.3	662.7	0.4
827	82,722	3,584	3,750	74	618	5.8	47 / 27	80 / 34	664.1	664.3	664.1	664.5	0.4
831	83,055	3,584	3,750	124	1,196	3.0	61 / 63	63 / 67	667.7	667.9	667.7	668.2	0.4
834	83,398	3,584	3,750	56	561	6.3	28 / 28	28 / 28	667.7	667.8	667.7	668.1	0.4
838	83,805	3,584	3,750	161	1,304	2.7	114 / 47	178 / 59	669.6	669.9	669.6	670.0	0.5
841	84,086	3,555	3,719	128	1,121	3.2	101 / 27	117 / 44	669.8	670.1	669.8	670.3	0.5
845	84,480	3,555	3,719	194	1,385	2.6	106 / 88	132 / 106	670.1	670.4	670.1	670.6	0.5
852	85,176	3,555	3,719	92	628	5.7	63 / 29	170 / 34	671.9	672.1	671.9	672.1	0.2
859	85,936	3,555	3,719	84	587	6.1	36 / 49	36 / 50	672.8	673.0	672.8	673.2	0.4
866	86,555	3,555	3,719	163	923	3.9	32 / 131	33 / 137	674.6	674.8	674.6	674.7	0.2
871	87,147	3,555	3,719	58	346	10.3	29 / 29	29 / 29	675.1	675.2	675.1	675.3	0.3
876	87,555	3,555	3,719	112	1,018	3.7	57 / 55	83 / 77	679.9	680.3	679.9	680.0	0.1
883	88,263	3,555	3,719	84	780	4.4	51 / 33	90 / 42	680.5	680.8	680.5	680.7	0.1
886	88,550	3,555	3,719	126	2,125	1.6	67 / 59	99 / 86	689.3	690.2	689.3	689.3	0.0
889	88,882	3,391	3,552	210	3,100	1.1	108 / 102	114 / 116	689.3	690.3	689.3	689.4	0.0
896	89,555	3,391	3,552	236	3,410	1.0	84 / 152	156 / 192	691.7	692.9	691.7	691.7	0.0
900	90,048	3,391	3,552	260	3,655	0.9	132 / 128	238 / 229	691.7	692.9	691.7	691.8	0.0
914	91,377	3,391	3,552	375	3,153	1.3	223 / 152	240 / 214	691.9	693.5	691.9	692.2	0.3
921	92,055	3,391	3,552	96	955	4.4	42 / 54	99 / 96	692.0	693.5	692.0	692.2	0.3
927	92,658	4,187	4,458	109	878	4.8	58 / 51	93 / 97	692.6	694.0	692.6	692.9	0.3
933	93,264	4,187	4,458	136	910	2.7	34 / 102	55 / 223	693.4	694.5	693.4	693.8	0.4
938	93,828	4,187	4,458	89	672	3.7	50 / 39	65 / 57	694.0	694.9	694.0	694.4	0.4
941	94,120	2,476	2,642	88	526	4.0	55 / 33	74 / 40	694.4	695.2	694.4	694.9	0.5
946	94,624	2,476	2,642	139	831	2.5	109 / 30	208 / 44	696.8	697.4	696.8	697.2	0.4
956	95,557	2,096	2,240	46	306	6.2	23 / 23	23 / 50	697.8	698.2	697.8	698.2	0.5
961	96,084	2,096	2,240	57	369	5.1	29 / 29	62 / 103	701.8	702.1	701.8	701.9	0.1
966	96,629	1,885	2,003	62	332	5.3	33 / 29	155 / 33	704.6	704.7	704.6	704.8	0.3
977	97,697	1,885	2,003	71	1,059	1.7	29 / 42	94 / 567	717.1	717.9	717.1	717.3	0.2
989	98,872	1,750	1,862	106	1,320	1.4	56 / 50	310 / 158	717.1	717.9	717.1	717.4	0.3
995	99,511	1,750	1,862	116	1,133	1.6	23 / 93	36 / 131	717.1	717.9	717.1	717.5	0.4
1004	100,367	1,785	1,925	156	854	2.1	97 / 59	154 / 65	717.3	718.0	717.3	717.8	0.5
1011	101,121	1,785	1,925	94	493	3.6	58 / 36	86 / 67	719.9	720.1	719.9	720.2	0.3
Long Creek													
6	581	6,866	8,164	220	2,641	2.6	137 / 84	156 / 107	577.5	578.4	577.3	577.8	0.5
16	1,632	6,866	8,164	658	7,671	0.9	286 / 372	305 / 406	577.8	579.0	577.8	578.3	0.5
24	2,446	6,866	8,164	287	3,369	2.0	168 / 119	216 / 144	577.9	579.0	577.9	578.4	0.5
30	3,041	6,866	8,164	197	2,376	2.9	79 / 119	100 / 164	578.2	579.3	578.2	578.7	0.5
39	3,869	6,866	8,164	264	3,259	2.1	201 / 63	219 / 83	579.0	580.2	579.0	579.5	0.5
47	4,734	6,866	8,164	448	5,367	1.3	93 / 355	147 / 376	579.4	580.6	579.4	579.9	0.5
52	5,239	6,990	8,235	991	11,708	0.6	668 / 323	698 / 372	579.5	580.7	579.5	580.0	0.5
60	5,984	6,990	8,235	638	6,871	1.0	169 / 469	367 / 519	579.6	580.8	579.6	580.1	0.5

Revised Data



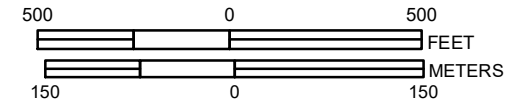
Legend

- 1% annual chance (100-Year) Floodplain
- 1% annual chance (100-Year) Floodway
- Zone X (Future Conditions)
- Community Encroachment Areas (Mecklenburg County)



GRID NORTH

MAP SCALE 1" = 500' (1 : 6,000)



NATIONAL FLOOD INSURANCE PROGRAM

PANEL 4554K

FIRM

FLOOD INSURANCE RATE MAP
NORTH CAROLINA

PANEL 4554

(SEE LOCATOR DIAGRAM OR MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	CID No.	PANEL	SUFFIX
CHARLOTTE, CITY OF	370159	4554	K
MECKLENBURG COUNTY	370158	4554	K

REVISED TO REFLECT LOMR EFFECTIVE: May 31, 2023

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.

MAP REVISED FEBRUARY 19, 2014
MAP NUMBER 3710455400K



State of North Carolina
Federal Emergency Management Agency

FLOOD HAZARD DATA TABLE				1% Annual Chance (100-year) Water-Surface Elevation (feet NAVD88)		Floodway	Community Encroachment Line
Cross Section	Stream Station ¹	Flood Discharge (cfs)		Existing Land Use Conditions	Future Land Use Conditions	Distance in Feet From Center of Stream to Encroachment Boundary (Looking Downstream)	
		Existing Land Use Conditions	Future Land Use Conditions			Left / Right	Left / Right
LITTLE SUGAR CREEK							
834	83.398 ¹	3,555	3,719	667.7	667.8	28 / 28	28 / 28
838	83.805 ¹	3,555	3,719	669.6	669.9	114 / 47	178 / 59
841	84.086 ¹	3,555	3,719	669.8	670.1	101 / 27	117 / 44
845	84.480 ¹	3,555	3,719	670.1	670.4	106 / 88	132 / 106
852	85.176 ¹	3,555	3,719	671.9	672.1	63 / 29	170 / 34
859	85.936 ¹	3,555	3,719	672.8	673.0	32 / 30	34 / 178
866	86.555 ¹	3,555	3,719	674.6	674.8	33 / 167	33 / 167
871	87.147 ¹	3,555	3,719	675.1	675.2	29 / 31	91 / 118
876	87.555 ¹	3,555	3,719	679.9	680.3	57 / 55	83 / 77

¹Feet above County line