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HYDROLOGIC STUDIES

COMPILATION OF RAINFALL AND RUNOFF FROM TERRACES C5, C6 AND C7 AND WATERSHEDS C8 AND W23 OF THE CENTRAL PIEDMONT SOIL AND WATER CONSERVATION STATION STATESVILLE, N. C.

1933 - 1938

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COMPILATION OF RAINFALL AND RUNOFF FROM TERRACES C5, C6, AND C7 AND WATERSHEDS C8 AND W23 OF THE CENTRAL PIEDMONT SOIL AND WATER CONSERVATION STATION STATESVILLE, N. C.

1933-38

by

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Division of Water Conservation and Drainage, Research

FOREWORD

The data contained herein will be of value in the various action programs of the Department of Agriculture and also in the flood-control activities carried on cooperatively by the War Department and the Department of Agriculture. The War Department also has need for such information in dealing with runoff in army camps and airports and in directing reservoir operations on existing power and navigation projects. Engineers of the Public Roads Administration and State Highway departments have use for it in designing road culverts, weirs for check dams, and roadside and diversion ditches. Municipal engineers can use such information in planning water supplies for cities, in providing for runoff from suburban areas tributary to storm sewers and streams, and in solving many other drainage and erosion problems arising on park and airport projects. Railroads and other utilities have need for this information in water supply, drainage, and erosion work.

Available data for these uses are extremely meager. Without such data it is impossible to make accurate estimates of the magnitude of the runoff which must be handled by channels, spillways, check dams, culverts, stock ponds, storm-water sewers, and other hydraulic works. The lack of dependable information on runoff often results in the complete failure of such works. Even more frequently perhaps, insufficient information leads to the use of unnecessarily high factors of safety in the design of structures, and thus to unjustifiably high costs.

Analysis of these hydrologic data, along with recommendation for their use in connection with hydraulic design of soil and water conservation and drainage structures and farm ponds, will appear in a separate publication.

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Final data report of Hydrologic Investigations on two small watersheds and three terraces at the Central Piedmont Soil and Water Conservation Experiment Station, Statesville, N. C., 1933-38

I. The Experiment Station[1]

The Central Piedmont Soil and Water Conservation Experiment Station, located 10 miles southwest of Statesville, Iredell County, N. C., was established in 1930 as a cooperative project between the United States Department of Agriculture, the North Carolina Agricultural Experiment Station and the State Department of Agriculture. The collection of hydrologic data for the two small watersheds and three terraces was started late in 1932 and discontinued at the end of 1938. The station farm (fig. 1) comprises 304 acres of irregular rolling land typical of the topography of most of the Cecil soil areas. Elevations range from 765 to 975 feet above sea level. About half of the farm, including slopes up to 40 percent, has been under cultivation from time to time. Much of the wooded area is even steeper than the cleared part. The farm was selected for the investigational work in soil erosion as representative of general conditions prevailing in the central part of the Piedmont plateau with its dominant Cecil soils. A map showing the soil types and erosion condition of land slopes of the farm is presented in figure 2.

Hydrologic data were obtained on only two watersheds, C8 and W23, at the Statesville station. Records from these two watersheds and those from three terraces, C5, C6, and C7 adjacent to watershed C8, were compiled for this report. J. M. Snyder, superintendent of the station 1930-33, and F. O. Bartel, 1935-39, were largely responsible for the field collection of these data. The latter directed the Federal Works Progress Administration (W.P.A.) project in the detailed compilation of much of these data, specifications for which were prepared by W. D. Potter and the author, members of the Washington staff, Hydrologic Studies, Research.

II. Description of the terraces and watersheds

The agriculture, soils, and topography of terraces C5, C6, and C7, and watersheds C8 and W23, are given below. Woods in field C, including the three terraces and watershed C8, were cleared in 1917; the field was burned over and planted to corn and cotton for about 5 years, and for 3 years thereafter was without a crop. Since that time this field has been in cotton except for two crops of wheat.

Terraces C5, C6, and C7 (pl. 1) were established on the steeper portions of field C. On these land slopes of about 10 percent there were only about 2 to 3 inches of surface soil left and numerous gullies had developed. The gullies were obliterated in 1932 when the terraces were constructed. As given in table 1 and shown on plate 1, the terraces were installed at 4-foot vertical intervals and at a uniform gradient of 3-inch fall per 100 feet which later proved to give the best agricultural results.

[1]Much of the historical and descriptive data of the farm were taken from an unpublished summary report for this station by A. G. McCall, F. G. Bell, T. L. Copley, and L. A. Forrest, 1943.

Table 1.- Terrace description

Terrace No.	Area	Length	Vertical interval	Grade	Land slope
	Acres	Feet	Feet	Percent	Percent
C5	1.41	1,400	4	0.25	9.3
C6	1.63	1,700	4	.25	8.9
C7	1.80	2,000	4	.25	10.0

Cropping history is given in table 2. Rainfall rates and amounts for field C are measured in recording gage CPR-No. 1, located at the control plots. Runoff is measured in 2-foot Parshall flumes at the northwest end of the terraces. Soil loss figures were obtained from Ramser silt samplers located at the effluent end of Parshall flumes.

Watershed C8 (pl.2), the unterraced part of field C, has the deepest and richest soil on the farm. Cecil clay loam predominates. The depth of the top soil on the steeper slopes ranges from 3 to 5 inches, and about 15 to 20 inches of alluvial material is deposited over the lower areas. A large gully having a maximum depth of 7 feet was plowed in during February 1932. Cropping history is given in table 2. Rainfall rates and amounts were obtained from Station CPR-No. 1. Soil loss figures were gathered in the Ramser silt sampler located at the effluent end of the runoff measuring device, a 2-foot Parshall flume. Seepage in the old gully fill below the flume was prevented by an impervious cut-off wall.

Table 2.- Cropping history for field C

Year	Terraces C5, C6, and C7	Watershed C8
1933	Spring oats and lespedeza	Same as terraces
1934	Cotton	Lespedeza
1935	Lespedeza	Cotton; winter rye and vetch 1935-36
1936	Spring oats and lespedeza	Soybeans; fall oats
1937	Lespedeza	Lespedeza
1938	Lespedeza	Lespedeza

Watershed W23[2], wooded. The drainage consists of one main draw running upward in a northwesterly direction from the southeast corner of the area, with a rise of approximately 90 feet in a distance of 750 feet extending from an elevation of about 798 to 892 feet above sea level. Land slopes vary from 7 percent in the northwest corner to 34 percent at the southeast end and the average slope for the watershed is 18.6 percent.

The soil, as shown in figure 3, is mainly Appling sandy loam. There is a small area of Worsham sandy loam and Seneca fine sandy loam in the bottom of the draw.

Measurements of surface runoff and of soil loss were begun August 1, 1932. Measurements of soil loss were discontinued July 1, 1938, and runoff records were discontinued January 1, 1939. Rainfall rates and amounts were obtained from a recording rain-gage located at station FFR-1 (Moore House).

[2]The survey of the wooded watershed was carried out by A. L. Feeman, Forestry Division, Soil Conservation Service, in accordance with the specifications of W. U. Garstka, Hydrologic Division. A copy of the complete report of this survey is on file in the Office of the Chief of Research, Soil Conservation Service, Washington, D. C.

The area at the time of the initiation of the hydrologic studies consisted of a heavily wooded stand of Shortleaf Pine and mixed hardwoods. The hardwoods, mostly mature White Oak, Red Oak, and Yellow Poplar, were confined mainly to the steep slope at the southeast corner of the area. The remainder of the area was covered with Shortleaf Pine approximately 55 years old, with a mixture of hardwoods coming into the stand.

The records of the experiment station show that no fire or grazing has occurred on this area since the initiation of the study. There is no evidence of fire or grazing for many years prior to the organization of the station.

Based on conditions in 1932, the area was divided into four stands as delineated in figure 4. A summary of the forest inventory by stands is given in table 3. Stand 1, with an area of 3.71 acres, was a stand of Shortleaf Pine about 55 years old with a scattering of merchantable White Oak, Red Oak, and Hickory and an understory of mixed hardwoods. The understory was made up principally of species with no commercial value such as Red Maple, Dogwood, Sourwood, and Black Gum. Stand 2 (0.67 acre) was a pine stand of about the same age as Stand 1 (55 years) but with a greater number of trees per acre and with less range in diameters. Stand 3 (0.28 acre) is a stand of young Shortleaf Pine about 35 years of age. Mixed hardwoods up to 4 inches in diameter make up the understory. Stand 4 (1.34 acres) was a stand of large White Oaks, Red Oaks, Hickories, Yellow Poplars, and Red Maples, ranging in age from 60 to 200 years. These species made up about 50 percent of the total number of trees.

Table 3.- Summary of forest inventory by stands, April 1939

Stand	Area	Percentage of total watershed area	Basal area per acre	Trees per acre	Average D.B.H.	Average spacing of trees	Soil surface condition	
							Bare	Not bare
	Acres	Percent	Square feet	Number	Inches	Feet	Percent	Percent
1	3.714	61.9	22.3	232	4.2	13.7 x 13.7	5.2	94.8
2	.671	11.2	67.0	618	4.4	8.4 x 8.4	0	100.0
3	.278	4.6	120.5	1,000	4.7	6.6 x 6.6	0	100.0
4	1.342	22.3	30.1	328	4.7	11.5 x 11.5	4.2	95.8
Total	6.005	100.0	213	1,994	--	--	--	--
Average	--	--	35.5	332	4.4	11.5 x 11.5	4.2	95.8

During the cutting operation, October 1937 to March 1938, all commercial trees down to about an 8 or 9 inch stump were removed. Over the entire area there remained only a conglomeration of tops, broken saplings, snags, and a scattering of noncommercial species (pls. 3 and 4). In Stand 2, which had a greater number of Pine in the smaller diameter classes, a residual stand of about 94 Pines was left or 140 per acre. These Pines average about 7 inches D.B.H. (diameter, breast height) with heights ranging from 60 to 80 feet. With the exception of three Pines and one Red Oak no cutting had been done in Stand 3 (pl. 4A).

Data

Summaries of rainfall amounts and intensities, runoff amounts and peak rates, and soil loss amounts for each storm, are shown in tabular form in the latter section of this report. From this tabulation, comparisons may be made for each storm of the effect of the terraces and watersheds on runoff amounts and maximum rates and soil loss. The effect on runoff of rainfall intensity recorded in different storms may also be studied. In order that detailed study of rates and amounts of rainfall and

Statesville, N. C.

Table 4.—Monthly Rainfall, Runoff, and Soil Loss

Period	Rainfall	Runoff					Soil Loss				
		C5	C6	C7	C8	W23	C5	C6	C7	C8	W23
	Inches	In.	In.	In.	In.	In.	Tons per acre	Tons per acre	Tons per acre	Tons per acre	Tons per acre
1933											
Jan.	2.01	0.07	0.05	0.09	0.32	0.03	0.006	0.006	0.008	0.014	0.000
Feb.	3.49	.01	.02	.02	.02	.71	.002	.000	.001	.000	.014
Mar.	3.80	1.60	1.17	2.06	(1.74)	.39	1.542	.815	.876	5.547	.008
Apr.	2.34	.47	.51	.55	.56	.04	.445	.293	.199	2.118	.01
May	4.57	1.66	2.35	1.73	1.35	.10	2.259	1.505	1.041	3.860	.004
June	1.18	.10	.09	.04	.03	0	.076	.044	.004	.082	.032
July	4.28	1.53	1.98	1.32	1.19	.05	.948	.994	.616	1.906	.001
Aug.	5.84	2.95	3.65	2.77	2.79	.14	1.315	1.397	.891	2.846	.004
Sept.	2.22	1.04	1.12	.90	.69	.06	.235	.294	.156	.359	.002
Oct.	1.10	0	0	0	0	0	0	0	0	0	0
Nov.	1.25	.01	0	0	T	T	.004	0	0	0	0
Dec.	2.70	.48	.71	.37	.03	.06	.049	.054	.011	.005	.001
Total	34.73	9.92	11.66	9.85	(8.42)	1.58	6.82	5.40	3.80	16.74	0.076
1934											
Jan.	2.00	0.26	0.33	0.40	0.01	0.05	0.012	0.049	0.045	0.005	0.003
Feb.	4.95	.12	.65	.34	.85	T	0	0	0	0	0
Mar.	6.85	.62	(1.28)	(.67)		3.73	.068	.056	.043	.090	.042
Apr.	3.28	.11	.12	.11	.07	.78	.016	.003	.009	.033	.013
May	3.63	.01	.02	.01	T	.13	.002	.001	.002	.003	.003
June	3.32	.66	.75	.57	.10	.04	1.443	1.083	.707	.369	.002
July	4.35	.97	1.35	.75	.08	.05	.959	.807	.443	.120	.001
Aug.	5.58	1.56	2.22	1.42	.08	.04	1.331	.972	.561	.023	.007
Sept.	4.72	1.14	1.76	1.35	.08	.11	.553	.692	.300	.012	.010
Oct.	4.80	2.24	2.21	2.34	.12	.25	.580	.480	.425	.006	.004
Nov.	4.54	.36	1.23	2.11	.04	.52	.110	.543	.602	.003	.006
Dec.	2.82	.29	.03	.04	.01	.18	.020	.001	.002	0	.005
Total	50.84	8.34	(11.95)	(10.11)	(1.44)	5.88	5.14	4.69	3.14	0.664	0.059
1935											
Jan.	2.77	0.27	0.63	0.30	0	0.51	0.037	0.011	0.005	0.001	0.003
Feb.	3.09	.52	.81	.96	.03	.58	.050	0	T	T	.006
Mar.	7.71	3.14	3.79	3.43	(1.82)	1.47	1.920	1.100	1.089	2.174	.012
Apr.	2.53	1.20	2.52	1.59	.35	.75	.063	.48	.083	.084	0
May	2.42	.30	.32	.21	T	.06	.049	.028	.041	.001	.002
June	.66	0	0	0	0	0	0	0	0	0	0
July	10.74	4.29	6.06	4.50	4.36	.43	2.174	1.436	1.687	28.7	.003
Aug.	4.55	.03	.01	T	T	0	.014	.006	.003	.053	0
Sept.	2.87	.45	1.34	1.06	T	.03	.054	.042	.026	.030	.001
Oct.	2.06	.21	.54	.47	T	0	.043	.036	.031	.002	0
Nov.	4.06	1.10	2.74	1.94	.09	.07	.116	.140	.102	.149	.001
Dec.	2.81	T	T	T	T	.02	.001	0	0	0	0
Total	46.27	11.51	18.76	14.45	(6.64)	3.92	4.51	3.27	3.07	31.2	0.026
1936											
Jan.	9.91	5.23	5.83	(6.22)	1.55	4.10	0.067	0.102	0.118	0.896	0.064
Feb.	4.62	(.54)	.91	1.12	(.65)	(.42)	.011	.016	.020	1.983	.023
Mar.	9.15	2.35	4.16	2.88	.53	1.63	.928	.492	.707	1.343	.010
Apr.	5.59	2.62	3.49	3.34	1.28	1.54	2.474	1.254	1.307	1.071	.006
May	0.42	0	0	0	0	0	0	0	0	0	0
June	3.83	.96	1.05	1.07	.32	.04	.873	.649	.739	.104	.001
July	4.06	.69	1.02	1.00	.01	.05	.150	.130	.174	.003	.001
Aug.	8.03	3.48	3.60	3.87	.34	.77	.758	.622	.611	.788	.021
Sept.	4.09	1.18	1.39	1.50	.16	.09	.148	.146	.154	.052	.003
Oct.	5.35	2.30	2.93	3.12	.31	.70	.390	.208	.231	.113	.012
Nov.	1.24	.03	.01	.02	T	.03	.002	.001	.002	0	.001
Dec.	6.86	1.33	2.61	2.80	.60	1.81	.140	.189	.207	.179	.013
Total	63.15	(20.75)	27.00	(28.94)	(5.43)	(10.98)	5.941	3.859	4.270	6.572	0.155
1937											
Jan.	10.58	2.66	5.03	5.67	2.18	4.13	0.217	0.211	0.232	0.724	0.022
Feb.	2.75	.12	.10	.29	.04	1.03	.005	.008	.015	.007	.001
Mar.	1.34	0	0	0	0	.29	0	0	0	0	.007
Apr.	4.45	.22	1.32	1.17	.05	(.63)	.044	.061	.087	.022	0
May	2.86	.31	.57	.93	.06	.05	.117	.162	.214	.193	.004
June	2.99	.05	.04	.18	.04	.04	.023	.006	.053	.009	0
July	4.25	1.20	1.11	1.95	1.22	.04	.332	.140	.356	.762	.002
Aug.	7.33	1.11	1.31	2.28	.63	.12	.077	.043	.156	.156	.004
Sept.	1.99	.01	T	T	0	0	.001	0	0	0	0
Oct.	8.12	1.98	2.39	3.60	1.21	.97	.063	.041	.088	.081	.016
Nov.	2.28	.11	.13	.63	.32	.03	.001	.001	.008	.003	.001
Dec.	2.21	.05	.06	.23	.32	.01	.003	.007	.007	0	0
Total	51.15	7.82	12.76	17.13	5.47	7.34	0.883	0.680	1.216	1.857	0.057
1938											
Jan.	2.72	0.10	0.10	0.36	0.01	0.01	0.001	0.001	0.017	0	0
Feb.	1.27	.03	.02	.10	T	T	.001	.001	0	0	0
Mar	3.67	.21	.30	.43	.02	.16	.012	.011	.015	.007	.002
Apr.	2.80	.16	.04	.22	.01	.06	.003	.001	.006	.001	.001
May	4.89	.02	.01	.03	.01	.01	.002	0	.003	.002	0
June	9.16	1.89	2.76	2.27	1.79	2.39	.067	.050	.087	.016	.006
July	9.93	.79	.92	.97	1.32	2.32			No data		
Aug.	2.40	.07	.03	.12	.37	.04			do		
Sept.	1.18	0	0	0	T	.34			do		
Oct.	.82	0	[illegible]	0	0	.19			do		
Nov.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]		
Dec.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]		
Total	47.84	3.33	4.34	4.90	3.11	5.08	0.085	0.064	0.148	0.026	0.009

Note: Figures in parenthesis are partly estimated.

runoff may be made, hydrographs were prepared for 30 of the largest storms during the period 1933-38. These hydrographs, which are shown at the end of this report, furnish the detailed data required for the determination of infiltration curves and unit hydrographs and for other special types of analysis

Monthly and annual summaries of rainfall, runoff, and soil loss, shown in table 4, are useful in studying the effect of land use on conservation of soil and moisture and on water yields for farm ponds. The summary of peak runoff for the period of record, table 5, may be used in studying the effect of terraces in reducing the peak rate of runoff for cultivated fields.

Table 5.- Ten highest peaks

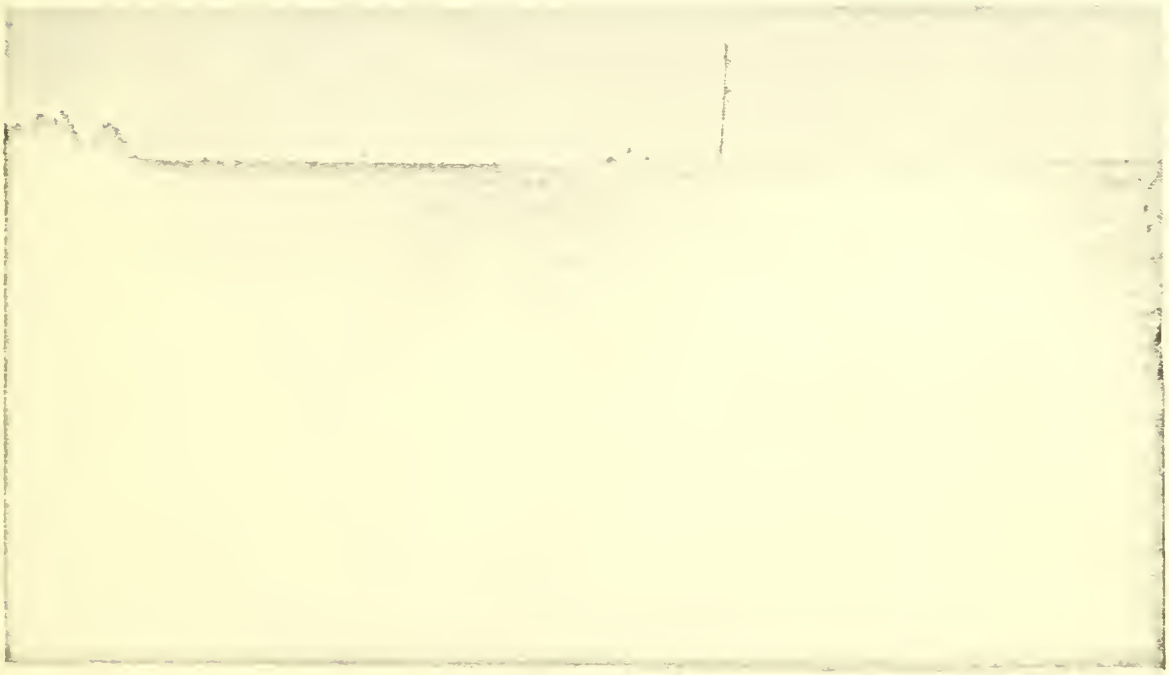
Order No.	Maximum runoff rate (inches per hour)				
	C5	C6	C7	C8	W23
1	2.49	1.87	1.54	4.58	0.20
2	1.68	1.46	1.32	3.93	.13
3	1.62	1.41	1.20	3.55	.12
4	1.47	1.13	1.15	2.65	.11
5	1.26	1.09	1.02	2.57	.08
6	1.10	.91	.90	2.42	.06
7	1.05	.87	.83	2.09	.06
8	1.00	.87	.79	1.86	.06
9	.92	.87	.75	1.82	.05
10	.87	.87	.72	1.35	.05

A C-8676

B C-8677

Plate 1. A, Terraces C5, C6, and C7, Mar. 15, 1933, looking away from flumes; 1.29 inches of rain fall on March 14. B, Terraces C5, C6, and C7, looking toward flumes, land plowed, disked, cultipacked, and drilled to spring oats; lespedeza sowed over oats.

A C-8678



B C-8680

Plate 2. A, Field C after heavy rain of Mar. 14 and 15, 1933; soil fine and loose before rain. B, Field C, March 15, 1933; camera case on ridge of terrace C7; erosion between terrace ridges C6 and C7 noticeable.

A C-8675

B C-8679

Plate 3. A, Litter of 2-inch heavy matting of leaves, W23, Mar. 8, 1933.
B, Stand No. 1, Sept. 27, 1939; cut over in winter of 1937-38.

A N.C. R1-23

B N.C. R1-22

Plate 4. A, Stand No. 3, Sept. 27, 1939; pine stand about 35 years old [illegible] young hardwood understory; no cutting in 1937-38. B, Stand No. 4, Sept. 27, 1939; cut over in winter of 1937-38.

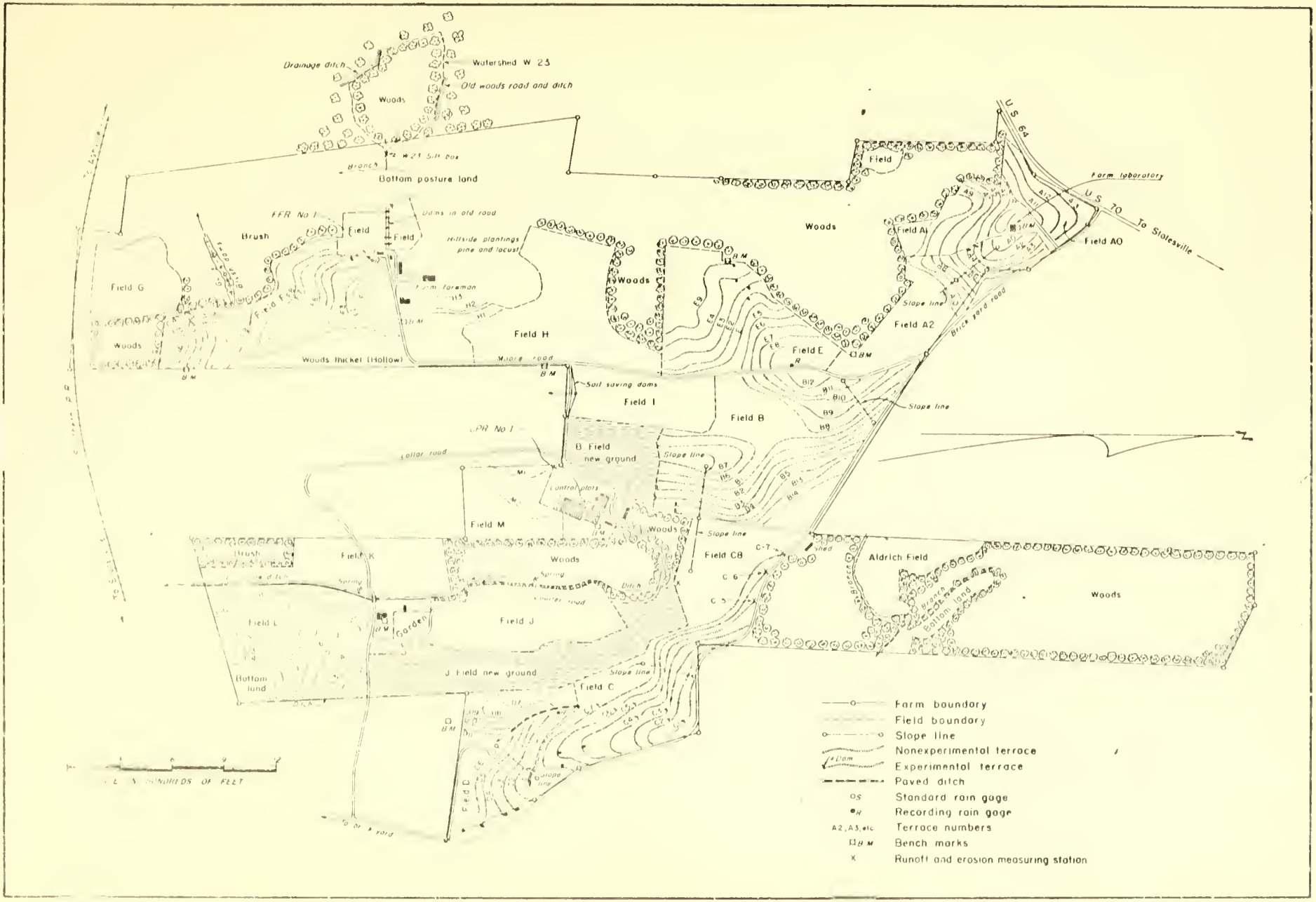


FIGURE 1 Map of the Central Piedmont Soil and Water Conservation Experiment Station, Statesville, N C, showing fields and experimental areas

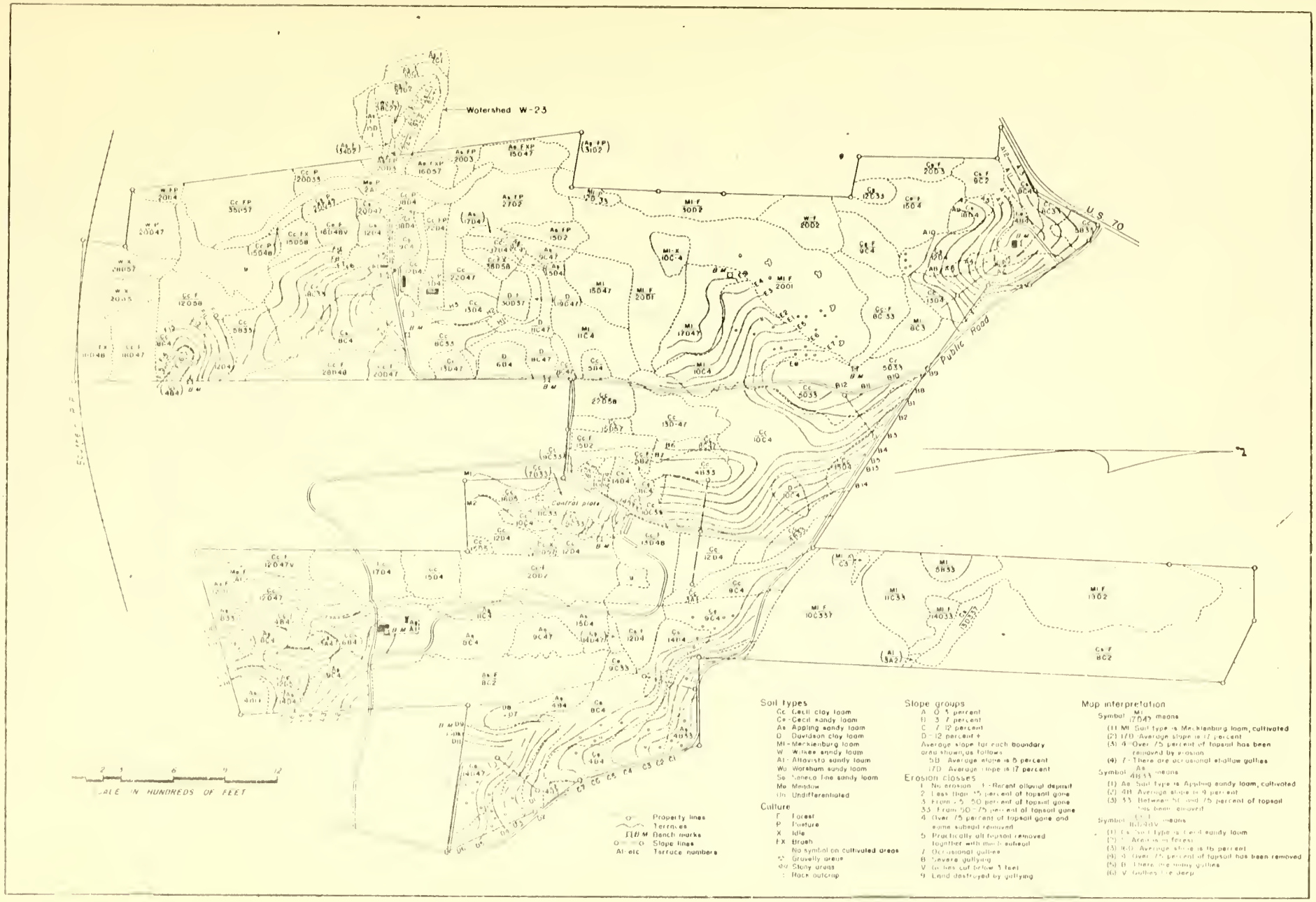


FIGURE 2.—Soil and erosion map of the Central Piedmont Soil and Water Conservation Experiment Station, Statesville, N.C.

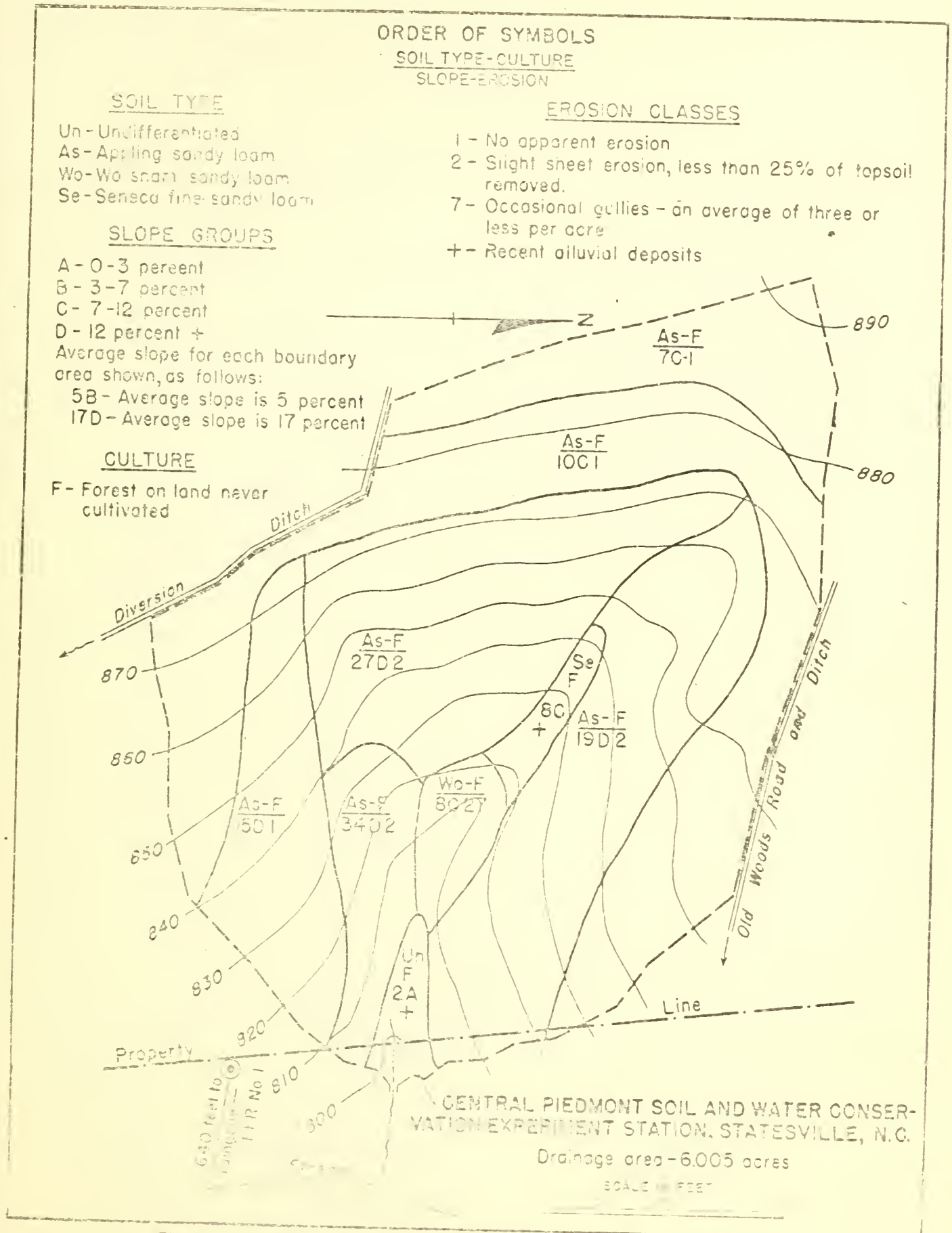


Figure 3 - Wooded watershed W-23 soil map, April 10, 1959

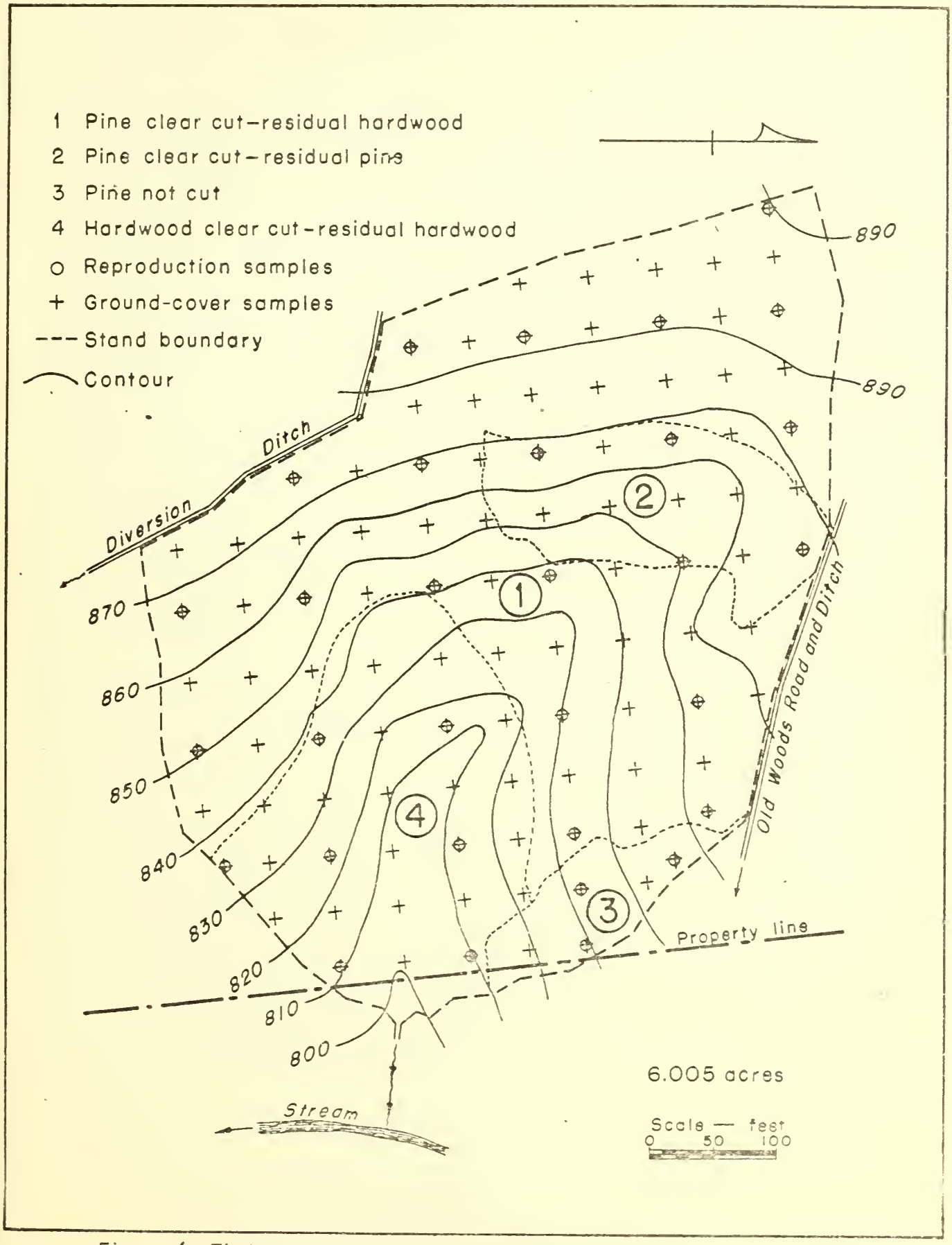


Figure 4.—Timber stand on wooded watershed W-23, April 10, 1939

Form S. C. 8-343

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
DIVISION OF RESEARCH

RECORD OF SINGLE STORMS AND THEIR RUN-OFFS ON VARIOUS WATERSHEDS

Project _____ Month _____ 1933
Sheet 1 of _____ sheets

Date	Watershed Number	Area Acres	Rain Gage No.	Rain Begin	Rain Duration Minutes	Rain Amount Inches	Maximum Intensity 5 minutes Inches per hour	Maximum Intensity 15 minutes Inches per hour	Maximum Intensity 30 minutes Inches per hour	Temperature Shelter 7 Maximum	Temperature Shelter 7 Minimum	Runoff Begin	Runoff End	Runoff Amount Inches	Maximum Rate Date	Maximum Rate Time	Rainfall Minus Runoff Inches	Soil Loss Tons per acre	Condition of Watershed
(1)	(2)	(3)	4	5	6	7	8	9	10	11		17	17	14	13	16	(17)	(18)	19
Jan. 8-9	C5	1.412	CFR-1	8:20P	770	0.94	0.48	0.28	0.22	64.2	36.5	--	--	0.06	No chart		0.88	0.005	Watershed history year 1933.
	C6	1.632	"	"	"	"	"	"	"	"	"	--	--	0.04	"	"	0.90	0.003	Watersheds C5, C6, C7, C8
	C7	1.796	"	"	"	"	"	"	"	"	"	--	--	0.04	"	"	0.90	0.003	broken up Jan. 27-30 inclusive.
	C8	5.123	"	"	"	"	"	"	"	"	"	--	--	0.02	"	"	0.92	0.012	Terraces C5, C6, C7 worked
	W23	6.005	FFR-1	8:21P	750	0.92	0.34	0.29	0.22	"	"	--	--	0.01	"	"	0.91	0.000	Feb. 1- Mar. 1, inclusive.
																			Watersheds C5, C6, C7, C8
Jan. 11	C5	1.412	CFR-1	11:35A	605	0.23	0.60	0.32	0.25	57.0	37.0	--	--	0.01	No chart		0.22	0.001	drilled to spring oats Mar. 2-6,
	C6	1.632	"	"	"	"	"	"	"	"	"	--	--	0.00	"	"	0.23	0.001	inclusive. Lespedeza seed in
	C7	1.796	"	"	"	"	"	"	"	"	"	--	--	0.01	"	"	0.22	0.001	oats Mar. 9-10 inclusive. Oats
	C8	5.123	"	"	"	"	"	"	"	"	"	--	--	0.00	"	"	0.23	0.002	just up Mar. 20. Lespedeza
	W23	6.005	FFR-1	11:30A	637	0.24	0.60	0.35	0.26	"	"	--	--	0.01	"	"	0.23	0.000	reseed in oats Apr. 3, oats 3"
																			high Apr. 19, 6" high, May 2,
Jan. 25	C5	1.412	CFR-1	5:50A	430	0.69	0.34	0.30	0.24	55.0	40.2	No runoff							in head May 5, and harvested
	C6	1.632	"	"	"	"	"	"	"	"	"	--	--	0.01	No chart		0.68	0.002	June 13-15 inclusive. Lespedeza
	C7	1.796	"	"	"	"	"	"	"	"	"	--	--	0.04	"	"	0.65	0.001	weedy about 3" high Aug. 1,
	C8	5.123	"	"	"	"	"	"	"	"	"	No runoff							about 6" high Sept. 1, and mature
	W23	6.005	FFR-1	5:44A	"	0.71	0.50	0.41	0.38	"	"	--	--	0.01	No chart		0.70	0.000	weedy about 8" high Oct. 1.
Jan. 27	--	--	CFR-1	5:20A	90	0.08	0.10	0.09	0.08	57.0	42.5	No runoff							Plant killing frost occurred
Jan. 31	--	--	"	7:30A	360	0.07	0.03	0.03	0.03	64.8	28.9	No runoff							Nov. 9. Lespedeza in seed
																			winter stage remainder of year.
Feb. 4	--	--	CFR-1	5:30A	450	0.28	0.24	0.16	0.13	45.8	36.1	No runoff							Wooded watershed W-23, mixed
Feb. 7	C5	1.412	CFR-1	7:05A	750	1.17	0.72	0.64	0.48	46.8	18.9	4:30P	5:45P	0.01	0.01	4:50P	1.16	0.001	hardwood and pine; litter 12"
	C6	1.632	"	"	"	"	"	"	"	"	"	5:56P	7:29P	0.01	0.01	6:36P	1.16	0.000	to 2" deep.
	C7	1.796	"	"	"	"	"	"	"	"	"	3:15P	6:15P	0.01	0.01	4:15P	1.16	0.001	Soil Types
	C8	5.123	"	"	"	"	"	"	"	"	"	5:49P	8:54P	0.01	0.02	5:54P	1.16	0.000	C5, C6 100% Cecil S. Loam
	W23	6.005	FFR-1	7:24A	725	1.18	0.96	0.60	0.46	"	"	12:06P	7:56P	0.24	0.10	6:41P	0.94		C7 85" " " "
													Feb. 8			Feb. 7			C8 70" " " "
Feb. 10-11	W23	6.005	FFR-1	4:22P	820	0.36	0.15	0.14	0.13	40.8	9.8	2:25P	12:30P	0.08	0.02		0.30	0.014	W23 100" Appling S. Loam
	C	--	CFR-1	3:40P	830	0.38	0.14	0.11	0.13	40.8	0.9	No runoff			rain - sleet - snow				
Feb. 13	--	--	"	2:40P	108	0.06	0.15	0.11	0.07	40.5	14.5	"	"						
Feb. 14	C	--	"	6:40A	465	0.19	0.20	0.14	0.11	54.9	26.0	No runoff							
	W23	6.005	FFR-1	6:10A	590	0.22	0.17	0.15	0.13	"	"	7:33A	5:28P	0.02	0.03	10:58A	0.20	0.000	Includes runoff from Feb. 13
Feb. 15	C5	1.412	CFR-1	2:43A	362	0.47	0.36	0.28	0.26	55.8	37.0	Illeg. chart		0.00	0.02		0.47	0.001	
	C6	1.632	"	"	"	"	"	"	"	"	"								
	C7	1.796	"	"	"	"	"	"	"	"	"								
	C8	5.123	"	"	"	"	"	"	"	"	"	4:46A	6:25A	0.01	0.03		0.46	0.000	
	W23	6.005	FFR-1	2:39A	430	0.48	1.02	0.48	0.31	"	"	2:40A			0.04				
Feb. 17	--	--	CFR-1	7:20P	330	0.17	0.13	0.13	0.12	60.5	29.2				No runoff				
	W23	6.005	FFR-1	7:28P	135	0.15	0.14	0.14	0.12				5:15A	0.32	0.03		0.29	0.000	Includes runoff for Feb. 15-17
													Feb. 18						
Feb. 19-20	C5	1.412	CFR-1	11:20P	670	0.77	0.24	0.20	0.18	57.0	45.2	Illeg. chart		0.00	0.01		0.76	0.000	
	C6	1.632	"	"	"	"	"	"	"	"	"	"	"	0.01	0.01		0.76	0.000	
	C7	1.796	"	"	"	"	"	"	"	"	"	"	"	0.01	0.01		0.76	0.000	
	C8	5.123	"	"	"	"	"	"	"	"	"	"	"	0.00	0.02		0.77	0.000	
	W23	6.005	FFR-1	11:25P	670	0.70	0.24	0.20	0.17	"	"	1:02A	10:02P	0.05	0.02	5:12A	0.71	0.000	
												Feb.20	Feb.20			Feb.20			
Mar. 6	--	--	CFR-1	11:05P	715	0.55	0.85	0.32	0.24	58.9	18.5	No runoff							
Mar. 9-10	--	--	"	11:25P	50	0.04	0.07	0.07	0.07	61.5	32.0	"	"						
Mar. 14	C5	1.412	CFR-1	3:52P	120	1.29	4.20	2.92	1.76	78.8	46.5	4:46P	8:58P	0.16	1.11	4:55P	0.83		
	C6	1.632	"	"	"	"	"	"	"	"	"	4:45P	10:03P	0.40	0.83	5:03P	0.89		
	C7	1.796	"	"	"	"	"	"	"	"	"	4:45P	10:25P	0.72	1.05	5:10P	0.57		
	C8	5.123	"	"	"	"	"	"	"	"	"	4:41P	Mar.15	0.92	6.00	--	0.87		
	W23	6.005	"	3:52P	120	1.29	4.20	2.92	1.76	"	"	4:04P			0.22	4:51P			
Mar. 15	W23	6.005	FFR-1	6:03A	22	0.17	1.92	1.36	0.74	69.0	57.0		3:04P	0.10	0.04	6:20A	1.56	0.002	
	C5	1.412	"	"	"	"	"	"	"	"	"	6:15A	9:03A	2.30	0.77	8:28A	0.97	0.840	
	C6	1.632	"	"	"	"	"	"	"	"	"	6:15A	9:30A	0.09	0.61	8:25A	0.11	0.540	
	C7	1.796	"	"	"	"	"	"	"	"	"	6:15A	11:30A	0.39	0.53	8:25A	0.00	0.508	
	C8	5.123	"	"	"	"	"	"	"	"	"	6:12A	9:00A	--	--	--	0.07	--	Included in March 15 total.
Mar. 17-18	C5	1.412	CFR-1	11:40P	810	0.27	0.66	0.60	0.36	79.0	35.0	Mar.18	Mar.18	0.01	No chart		0.26	0.004	
	C6	1.632	"	"	"	"	"	"	"	"	"	"	"	0.01	"	"	0.26	0.003	
	C7	1.796	"	"	"	"	"	"	"	"	"	"	"	0.00	"	"	0.27	0.000	
	C8	5.123	"	"	"	"	"	"	"	"	"	"	"	0.01	"	"	0.26	0.011	
	W23	6.005	FFR-1	11:40P	190	0.21	0.72	0.54	0.33	"	"	No runoff							
Mar. 19	C5	1.412	CFR-1	7:50A	77	0.49	1.44	0.84	0.76	79.0	47.5	8:22A	3:03P	0.75	0.61	8:42A	0.14		
	C6	1.632	"	"	"	"	"	"	"	"	"	8:23A	12:00M	0.23	0.51	8:[illegible]A	0.25		
	C7	1.796	"	"	"	"	"	"	"	"	"	8:15A	2:12P	0.46	0.51	8:45A	0.03		
	C8	5.123	"	"	"	"	"	"	"	"	"	8:12A	11:00A	0.34	5.86	8:25A	0.15		
	W23	6.005	FFR-1	8:22A	65	0.47	2.40	0.91	0.76	"	"	8:22A			0.00	8:51A			

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
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RECORD OF SINGLE STORMS AND THEIR RUN-OFFS ON VARIOUS WATERSHEDS

Project: [illegible] Month: _____ 1933
Sheet 2 of _____ sheets

Date	Watershed Acres	Area (Sq.mi.)	Rainfall Gage No.	Gage (Sq.mi.)	Depth (Inches)	Intensity (Inches)	Maximum Intensity 1 hr. (Inches per hour)	2 hr. (Inches per hour)	3 hr. (Inches per hour)	Temperature (Deg.F) Maximum	Minimum	Runoff Begin (Date)	End (Date)	Intensity (Inches)	Max. Rate Depth (Inches)	Time	Peak Max. Runoff (Cfs)	Unit Peak (Cfs per sq.mi.)	Comments of Watershed
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
Mar. 13-20	W23	6.005	FFR-1	9:42P	530	0.68	1.96	1.08	0.74	72.0	47.5	3:12P Mar.23		0.29	0.08	12:19A Mar.20	0.29	0.000	
	C5	1.412	CFR-1	9:20P	610	0.52	1.69	0.92	0.00	•	•	11:03P Mar.19	12:58P Mar.20	0.43	0.71	11:27P Mar.19	0.14	0.098	
	C6	1.632	•	•	•	•	•	•	•	•	•	11:05P Mar.19	2:27A Mar.20	0.37	0.51	11:39P Mar.19	0.35	0.274	
	C7	1.736	•	•	•	•	•	•	•	•	•	11:06P Mar.19	1:52A Mar.20	0.48	0.61	11:33P Mar.19	0.13	0.068	
	C8	5.123	•	•	•	•	•	•	•	•	•	11:09P Mar.19	3:13A Mar.20	0.40	4.01	11:13P	0.16	5.536	
Mar. 25	--	--	CFR-1	9:10A	505	0.11	0.20	0.09	0.05	51.5	37.8	No runoff							
Apr. 5-6	--	--	CFR-1	11:33P	350	0.30	0.40	0.25	0.19	78.0	35.0	No runoff							
Apr. 6	C5	1.412	CFR-1	5:24P	160	0.38	1.32	1.15	0.84	78.0	47.0	5:35P	7:32P	0.14	0.40	5:47P	0.22	0.156	
	C6	1.632	•	•	•	•	•	•	•	•	•	5:40P	8:09P	0.12	0.19	5:50P	0.20	0.034	
	C7	1.736	•	•	•	•	•	•	•	•	•	5:35P	10:10P	0.12	0.19	5:04P	0.24	0.022	
	C8	5.123	•	•	•	•	•	•	•	•	•	5:34P	6:03P	0.04	1.00	5:47P	0.42	0.307	
	W23	6.005	FFR-1	5:20P	161	0.39	2.40	1.40	0.79	•	•	5:32P	8:35P	0.00	0.01	5:39P	0.39	0.000	
Apr. 11-12	C5	1.412	CFR-1	5:06P	775	1.02	1.68	1.27	0.33	77.5	45.5	11:55P Apr.11	4:02A Apr.12	0.33	0.83	12:34A Apr.12	0.59	0.306	
	C6	1.632	•	•	•	•	•	•	•	•	•	12:03A Apr.12	5:21A Apr.12	0.41	0.77	12:36A Apr.12	0.61	0.259	
	C7	1.736	•	•	•	•	•	•	•	•	•	11:46 Apr.11	7:25A Apr.12	0.43	0.77	12:31A Apr.12	0.59	0.177	
	C8	5.123	•	•	•	•	•	•	•	•	•	11:55P Apr.11	6:00A Apr.12	0.52	5.12	12:25A Apr.12	0.50	1.805	
	W23	6.005	FFR-1	5:33P	543	0.95	1.52	1.44	0.52	•	•	8:50P Apr.11	6:20A Apr.12	0.03	0.08	12:23A Apr.12	0.92	0.001	
Apr. 15-16	--	--	CFR-1	9:04P	658	0.25	0.32	0.12	0.07	55.5	45.5	No runoff							
Apr. 17	--	--	FFR-1	1:08A	35	0.06	0.22	0.13	0.11	60.0	47.8	No runoff							
Apr. 18-19	C5	1.412	CFR-1	5:14P	125	0.20	0.51	0.25	0.14	79.2	38.3	--	--	0.00	No chart		0.20	0.005	
	C6	1.632	•	•	•	•	•	•	•	•	•	No runoff							
	C7	1.736	•	•	•	•	•	•	•	•	•	•	•						
	C8	5.123	•	•	•	•	•	•	•	•	•	--	--	0.00	No chart		0.20	0.000	
	W-23	6.005	FFR-1	5:02P	437	0.21	0.54	0.29	0.16	•	•	•	•	0.01	•	•	0.20	0.000	
Apr. 24-25	--	--	CFR-1	11:37P	65	0.06	0.09	0.08	0.07	76.8	39.0	No runoff							
May 2	C5	1.412	CFR-1	3:20P	309	0.34	1.08	0.63	0.39	77.9	55.5	--	--	0.01	No chart		0.33	0.005	
	C6	1.632	•	•	•	•	•	•	•	•	•	No runoff							
	C7	1.736	•	•	•	•	•	•	•	•	•	•	•						
	C8	5.123	•	•	•	•	•	•	•	•	•	--	--	0.01	No chart		0.33	0.014	
	W23	6.005	FFR-1	3:17P	315	0.35	1.33	0.66	0.44	•	•	•	•	0.00	•	•	0.35	0.000	
May 5	C5	1.412	FFR-1	5:40A	1040	1.35	3.60	2.52	1.82	51.2	56.0	10:50A May 6	8:00P	1.33	2.40	11:20A	0.62	1.563	
	C6	1.632	•	•	•	•	•	•	•	•	•	10:51A May 6	1:30A	1.77	2.40	11:33A	0.18	1.275	
	C7	1.736	•	•	•	•	•	•	•	•	•	10:51A May 6	1:42A	1.42	2.40	11:30A	0.53	0.938	
	C8	5.123	•	•	•	•	•	•	•	•	•	10:51A May 6	4:15P		12.50	11:13A		3.143	
												5:30P	7:00P	1.12	1.94	5:39P	0.53		
	W23	6.005	•	•	•	•	•	•	•	•	•	10:50A	9:15P	0.09	0.25	11:27A	1.50	0.004	
May 8	C5	1.412	CFR-1	3:25A	80	0.19	0.48	0.32	0.20	85.0	51.2	4:15A	6:50A	0.01	0.01	4:16A	0.18	0.003	
	C6	1.632	•	•	•	•	•	•	•	•	•	4:25A	5:31A	0.00	0.01	4:44A	0.19	0.001	
	C7	1.736	•	•	•	•	•	•	•	•	•	No runoff							
	C8	5.123	•	•	•	•	•	•	•	•	•	4:15A	5:45A	0.01	0.11	4:23A	0.13	0.008	
	W23	6.005	FFR-1	3:30A	75	0.13	0.42	0.30	0.24	•	•	No runoff							
May 10	--	--	CFR-1	5:52A	262	0.20	0.60	0.60	0.34	78.0	61.5	No runoff							
May 11-12	C5	1.412	CFR-1	7:20P	556	0.50	1.92	0.96	0.44	87.8	55.9	7:21P May 11	6:55A May 12	0.15	0.22	7:25P	0.35	0.162	
	C6	1.632	•	•	•	•	•	•	•	•	•	7:21P May 11	10:58A May 12	0.35	0.39	7:20P May 11		0.104	
	C7	1.736	•	•	•	•	•	•	•	•	•	7:20P May 11	1:03A May 12	0.17	0.13	7:33P May 11		0.052	
	C8	5.123	•	•	•	•	•	•	•	•	•	7:15P May 11	7:25A May 12	0.17	3.74	7:25P May 11	0.33	0.128	
	W23	6.005	FFR-1	7:03P	543	0.66	2.70	1.49	0.50	•	•	7:25P May 11	11:35P May 11	0.01	0.03	7:25P	0.65	0.000	
May 16	--	--	CFR-1	11:56A	277	0.25	0.76	0.36	0.19	88.2	66.8	--	--	Trace	No chart				
May 21	C5	1.412	CFR-1	8:00P	100	0.33	1.68	0.84	0.48	84.8	59.0	9:05P	11:43P	0.04	0.05	9:32P	0.29	0.038	
	C6	1.632	•	•	•	•	•	•	•	•	•	9:09P	11:06P	0.01	0.02	9:16P	0.32	0.009	
	C7	1.736	•	•	•	•	•	•	•	•	•	9:36P	10:51P	0.01	0.01	9:41P	0.32	0.006	
	C8	5.132	•	•	•	•	•	•	•	•	•	9:04P	9:31P	0.00	0.18	9:06P	0.33	0.033	
	W23	6.005	FFR-1	7:55P	95	0.29	1.18	0.67	0.41	•	•	9:12P	9:43P	0.00	0.01	9:28P	0.29	0.000	
May 27	C5	1.412	CFR-1	12:44P	168	0.56	1.40	0.68	0.48	88.0	70.0	12:48P	6:10P	0.12	0.13	2:30P	0.44	0.088	
	C6	1.632	•	•	•	•	•	•	•	•	•	12:51P	7:35P	0.23	0.13	2:11P	0.33	0.115	
	C7	1.736	•	•	•	•	•	•	•	•	•	12:49P	8:14P	0.13	0.10	3:04P	0.43	0.047	
	C8	5.123	•	•	•	•	•	•	•	•	•	12:47P	4:20P	0.04	1.16	2:04P	0.58	0.164	
	W-23	6.005	FFR-1	12:34P	190	0.55	1.20	0.85	0.79	•	•	--	---	0.00	No chart		0.55	0.000	
May 29	--	--	CFR-1	8:34P	8	0.03	0.29	0.12	0.06	92.0	59.0	No runoff							
May 30	--	--	CFR-1	1:58P	191	0.22	0.84	0.54	0.31	91.5	61.8	No runoff							
June 6	--	--	CFR-1	1:58P	93	0.20	1.20	0.80	0.40	98.0	65.0	No runoff							

Form A.C.S.-443

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
DIVISION OF RESEARCH

Month _____, 1933

Project STATESVILLE, NORTH CAROLINA

RECORD OF SINGLE STORMS AND THEIR RUN-OFFS ON VARIOUS WATERSHEDS

Sheet 3 of ____ sheets

Date	Watershed: Number	Watershed: Area (Acres)	Rainfall: Gage No.	Rainfall: Name (Gage)	Rainfall: Particular (Gage)	Rainfall: Amount (Inches)	Maximum Intensity: 5 minutes (Inches per hour)	Maximum Intensity: 15 minutes (Inches per hour)	Maximum Intensity: 30 minutes (Inches per hour)	Temperature (Degrees F.): Minimum	Temperature (Degrees F.): Maximum	Run-off: Beginning (Date)	Run-off: Ending (Date)	Run-off: Amount (Inches)	Maximum Rate: Cu. ft. per sec.	Maximum Rate: Time	Runoff Volume in Inches	Soil Loss (Tons per acre)	Condition of Watershed
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
June 12	C5	1.412	CFR-1	1:07P	1.3	0.15	1.95	1.13	0.79	96.0	68.0	1:21P	4:58P	0.10	0.07	1:30P	0.35	0.075	
	C6	1.632	"	"	"	"	"	"	"	"	"	1:23P	5:15P	0.09	0.05	1:31P	0.36	0.044	
	C7	1.756	"	"	"	"	"	"	"	"	"	1:23P	5:34P	0.04	0.03	1:27P	0.41	0.004	
	C8	5.123	"	"	"	"	"	"	"	"	"	1:22P	5:00P	0.03	0.60	1:25P	0.12	0.082	
	W23	6.005	FFR-1	1:00P	170	0.43	2.10	1.79	1.30	"	"	No runoff							
June 23	--	--	CFR-1	8:05P	195	0.04	0.08	0.05	0.04	104.5	68.8	No runoff							
June 26-27	--	--	CFR-1	2:50P	578	0.04	0.10	0.07	0.04	99.0	65.9	No runoff							
June 27	--	--	CFR-1	9:12P	18	0.06	0.24	0.21	0.12	99.0	67.8	No runoff							
June 28	--	--	CFR-1	4:28P	37	0.39	1.93	1.08	0.74	99.9	70.0	No runoff							
July 3	--	--	CFR-1	5:14A	70	0.08	0.16	0.10	0.08	100.1	70.0	No runoff							
July 11	C5	1.412	CFR-1	1:40A	360	0.77	0.84	0.50	0.45	87.0	70.0	5:30A	7:15A	0.01	0.01	5:33A	0.76	0.003	
	C6	1.632	"	"	"	"	"	"	"	"	"	No runoff							
	C7	1.756	"	"	"	"	"	"	"	"	"	"	"						
	C8	5.123	"	"	"	"	"	"	"	"	"	4:24A	6:08A	0.01	0.09	5:12A	0.76	0.032	
	W23	6.005	FFR-1	2:30A	330	0.78	0.84	0.60	0.43	"	"	No runoff							
	--	--	CFR-1	12:05P	10	0.02	0.17	0.09	0.04	87.0	70.0	No runoff							
July 15	C5	1.412	CFR-1	4:52P	87	0.44	2.12	1.32	0.73	92.0	60.8	5:32P	11:10P	0.14	0.07	5:35P	0.39	0.115	
	C6	1.632	"	"	"	"	"	"	"	"	"	5:33P	9:30P	0.00	0.01	5:50P	0.00	0.005	
	C7	1.756	"	"	"	"	"	"	"	"	"	Indef.	Indef.	0.00	0.02	Indef.	0.14	0.001	
	C8	5.123	"	"	"	"	"	"	"	"	"	5:30P	6:20P	0.04	0.85	5:35P	0.10	0.292	
	W23	6.005	FFR-1	5:15P	76	0.49	3.12	1.50	1.00	"	"	No runoff							
July 17	--	--	CFR-1	3:50A	280	0.11	0.33	0.03	0.03	82.5	65.8	No runoff							
July 19	--	--	CFR-1	8:10A	110	0.07	0.15	0.11	0.11	87.5	65.5	No runoff							
July 20-21	C5	1.412	CFR-1	7:40P	293	0.60	0.19	0.14	0.08	91.5	69.0	7:55P 20th	1:55A 21st	0.29	0.22	8:03P 20th	0.31	0.180	
	C6	1.632	"	"	"	"	"	"	"	"	"	7:59P 20th	6:04A 21st	0.40	0.19	8:08P 20th	0.20	0.259	
	C7	1.756	"	"	"	"	"	"	"	"	"	7:56P 20th	5:34A 21st	0.19	0.07	9:29P 20th	0.41	0.096	
	C8	5.123	"	"	"	"	"	"	"	"	"	7:52P 20th	9:02P 20th	0.11	3.28	8:01P 20th	0.49	0.228	
	W23	6.005	FFR-1	7:45P	331	0.36	0.35	0.50	0.36	"	"	No runoff							
July 25	--	--	CFR-1	3:40A	35	0.07	0.20	0.18	0.13	91.8	69.0	No runoff							
	C5	1.412	CFR-1	11:03P	37	0.22	2.10	0.83	0.43	91.8	69.0	26th	27th	0.21	No chart		0.21	0.004	
	C6	1.632	"	"	"	"	"	"	"	"	"	No runoff							
	C7	1.756	"	"	"	"	"	"	"	"	"	"	"						
	C8	5.123	"	"	"	"	"	"	"	"	"			0.01	No chart		0.21	0.002	
	W23	6.005	FFR-1	10:50P	37	0.27	2.07	0.80	0.40	"	"	No runoff							
July 27	C5	1.412	FFR-1	12:07P	298	1.92	2.16	1.88	1.31	90.0	68.0	12:15P	2:47A	1.08	0.55	1:30P	0.94	0.64	
	C6	1.632	"	"	"	"	"	"	"	"	"	12:22P	7:32A	1.58	0.55	3:13P	0.34	0.730	
	C7	1.756	"	"	"	"	"	"	"	"	"	12:31P	8:00A	1.13	0.66	3:10P	0.79	0.519	
	C8	5.123	"	"	"	"	"	"	"	"	"	12:14P	2:51A	1.02	6.95	12:41P	0.90	1.352	
	W23	6.005	"	"	"	"	"	"	"	"	"	12:52P	7:00P	0.05	0.12	3:10P	1.79	0.001	
Aug. 3	--	--	CFR-1	4:05P	45	0.06	0.40	0.17	0.09	94.0	68.8	No runoff							
Aug. 4	C5	1.412	FFR-1	4:12P	53	0.69	1.92	1.12	1.10	84.0	66.0	4:31P	11:51P	0.30	0.16	4:51P	0.39	0.119	
	C6	1.632	"	"	"	"	"	"	"	"	"	4:46P	2:14A	0.40	0.17	5:34P	0.29	0.167	
	C7	1.756	"	"	"	"	"	"	"	"	"	4:30P	6th 7:40A	0.39	0.10	4th 5:01P	0.30	0.084	
	C8	5.123	"	"	"	"	"	"	"	"	"	4:32P	5th 7:07P	0.21	3.60	4th 4:40P	0.48	0.211	
	W23	6.005	"	"	"	"	"	"	"	"	"	4:53P	4th 7:53P	Trace	0.02	4th 5:03P	0.09	0.000	
Aug. 11	--	--	CFR-1	6:03P	77	0.09	0.17	0.15	0.13	99.2	71.2	No runoff							
Aug. 13	--	--	CFR-1	2:01P	311	0.27	0.76	0.31	0.18	98.0	69.0	No runoff							
Aug. 15	C5	1.412	CFR-1	1:11P	45	1.20	3.68	2.99	2.18	88.5	63.0	1:20P	8:00P	0.66	0.51	1:38P	0.54		
	C6	1.632	"	"	"	"	"	"	"	"	"	1:20P	9:20P	0.86	0.66	1:40P	0.31		
	C7	1.756	"	"	"	"	"	"	"	"	"	1:21P	7:52P	0.52	0.42	1:43P	0.69		
	C8	5.123	"	"	"	"	"	"	"	"	"	1:21P	5:00P	0.74	13.66	1:30P	0.16		
	W23	6.005	FFR-1	1:10P	75	1.37	2.88	2.28	2.23	"	"	1:26P	7:33P	0.93	0.22	1:41P	1.34		
Aug. 16	C5	1.412	CFR-1	12:21A	210	1.29	1.20	0.96	0.77	81.0	65.5	1:05A	9:50A	0.99	0.66	3:02A	0.30	0.709	
	C6	1.632	"	"	"	"	"	"	"	"	"	1:10A	8:20A	1.11	0.71	3:07A	0.18	0.733	
	C7	1.756	"	"	"	"	"	"	"	"	"	1:30A	9:12A	0.80	0.55	3:22A	0.19	0.516	
	C8	5.123	"	"	"	"	"	"	"	"	"	1:00A	4:20A	0.71	9.40	3:01A	0.58	1.535	
	W23	6.005	FFR-1	12:20A	215	1.19	1.08	0.83	0.70	"	"	1:34A	7:33A	0.95	0.16	3:05A	1.14	0.002	
Aug. 17-18	C5	1.412	CFR-1	7:35P	380	0.22	0.82	0.46	0.30	89.5	65.0	7:43P 17th	9:05P 17th	0.01	0.02	7:47P 17th	0.21	0.003	
	C6	1.632	"	"	"	"	"	"	"	"	"	7:44P 17th	8:54P 17th	0.01	0.02	7:57P 17th	0.21	0.002	
	C7	1.756	"	"	"	"	"	"	"	"	"	7:42P 17th	Indef.	Trace	0.01	Indef. 17th	0.22	0.000	
	C8	5.123	"	"	"	"	"	"	"	"	"	7:44P 17th	9:07P 17th	0.01	0.06	7:55P 17th	0.21	0.008	
	W23	6.005	FFR-1	7:25P	410	0.24	0.72	0.42	0.30	"	"	8:20P 17th	Indef.	Trace	0.01	8:25P	0.24	0.000	
Aug. 18	C5	1.412	CFR-1	3:35P	80	1.30	4.30	3.60	2.52	89.5	68.5	3:45P 18th	11:50P 18th	0.59	1.05	4:19P 18th	0.31	0.424	
	C6	1.632	"	"	"	"	"	"	"	"	"	3:45P 18th	5:58A 19th	1.27	1.05	3:55P 18th	0.03	0.495	

Form S. C. S.-[illegible]

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
DIVISION OF RESEARCH

Month _____, 1933

Project STATESVILLE, NORTH CAROLINA

RECORD OF SINGLE STORMS AND THEIR RUN-OFFS ON VARIOUS WATERSHEDS

Sheet 4 of ____ sheets

Date	Watershed Number	Watershed Area (Acres)	Gage No.	Rainfall Begins (Date)	Rainfall Duration (Minutes)	Rainfall Amount (Inches)	Maximum Intensity Rainfall Intensity (Inches per Hour)	Maximum Intensity Rainfall Intensity (Inches per Hour)	Maximum Intensity Rainfall Intensity (Inches per Hour)	Maximum Wetness Rainfall (Inches)	Maximum Wetness Rainfall (Inches)	Runoff Begins (Date)	Runoff Ends (Date)	Runoff Amount (Inches)	Maximum Rate (Cu. ft. per sec.)	Maximum Rate (Time)	Rainfall Minus Runoff (Inches)	Soil Loss (Gm. per acre)	Condition of Watershed
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	
Aug. 18	C7	1.796	CFR-1	3:35P	80	1.30	4.80	3.60	2.52	89.5	68.5	3:45P 18th	7:00A 19th	1.06	0.77	4:05P 18th	0.24	0.321	
	C8	5.123	•	•	•	•	•	•	•	•	•	3:45P 18th	9:20P 18th	1.12	23.65	3:50P 18th	0.18	1.092	
	W23	6.005	FFR-1	3:19P	75	1.32	3.60	3.24	1.97	•	•	3:45P 18th	4:51A 19th	0.06	0.32	3:59P 18th	0.96	0.002	
Aug. 29	--	--	CFR-1	3:06P	140	0.30	0.36	0.26	0.25	84.5	69.0	No runoff							
Aug. 30-31	--	--	CFR-1	8:00A	1290	0.42	0.36	0.25	0.21	79.5	62.8	No runoff							
Sept. 1	--	--	CFR-1	12:00P	60	0.02	0.03	0.03	0.03	89.2	64.5	No runoff							
Sept. 4	--	--	CFR-1	7:53P	12	0.18	1.74	0.72	0.36	92.2	67.0	No runoff							
Sept. 5	--	--	CFR-1	12:00M	482	0.12	0.28	0.25	0.12	85.9	67.5	No runoff							
Sept. 6	--	--	CFR-1	9:30A	356	0.03	0.06	0.04	0.03	76.2	63.8	No runoff							
Sept. 7	C5	1.412	CFR-1	6:50P	17	0.12	0.51	0.45	0.42	82.0	66.0			0.01			0.11	0.004	
	C6	1.632	•	•	•	•	•	•	•	•	•			0.004			0.12	0.001	
	C7	1.796	•	•	•	•	•	•	•	•	•			0.001			0.12	0.001	
	C8	5.123	•	•	•	•	•	•	•	•	•			0.005			0.12	0.015	
	W23	6.005	FFR-1	6:47P	20	0.09	0.79	0.40	0.22	•	•	No runoff							
Sept. 13	C5	1.412	FFR-1	3:36A	280	1.75	2.04	1.38	1.11	81.0	67.5	4:33A	1:53P	1.03	0.71	5:49A	0.72	0.231	
	C6	1.632	•	•	•	•	•	•	•	•	•	4:35A	1:45P	1.12	0.55	5:53A	0.63	0.293	
	C7	1.796	•	•	•	•	•	•	•	•	•	4:35A	1:25P	0.90	0.46	5:54A	0.85	0.155	
	C8	5.123	•	•	•	•	•	•	•	•	•	4:35A	9:00A	0.69	6.30	5:00A	1.06	0.344	
	W23	6.005	•	•	•	•	•	•	•	•	•	4:44A	1:13P	0.06	0.20	5:47A	1.69	0.002	
Oct. 1	--	--	CFR-1	8:03P	41	0.18	1.08	0.58	0.37	93.2	64.5	No runoff							
Oct. 16-17	--	--	CFR-1	7:45P	452	0.63	0.42	0.27	0.20	80.2	34.5	No runoff							
Oct. 21-22	--	--	CFR-1	7:00	560	0.15	0.39	0.22	0.12	81.2	20.5	No runoff							
Oct. 22	--	--	CFR-1	3:45P	110	.09	0.15	0.14	0.12	81.2	55.5	No runoff							
Oct. 23	--	--	CFR-1	7:45P	150	0.05	0.09	0.07	0.05	75.0	55.5	No runoff							
Nov. 5	C5	1.412	CFR-1	3:16A	835	0.51	0.26	0.21	0.19	62.0	12.0			.002	No chart		0.51	0.000	
	C6	1.632	•	•	•	•	•	•	•	•	•	No runoff							
	C7	1.796	•	•	•	•	•	•	•	•	•	•	•						
	C8	5.123	•	•	•	•	•	•	•	•	•	•	•						
	W23	6.005	FFR-1	3:16A	847	0.52	0.28	0.19	0.15	•	•			.003	No chart		0.52	0.000	
Nov. 13	C5	1.412	CFR-1	12:43P	167	0.34	0.65	0.35	0.32	64.0	31.5			.005	No chart		0.34	0.002	
	C6	1.632	•	•	•	•	•	•	•	•	•	No runoff							
	C7	1.796	•	•	•	•	•	•	•	•	•	•	•						
	C8	5.123	•	•	•	•	•	•	•	•	•			.002	No chart		0.34	0.000	
	W23	6.005	FFR-1	12:39P	136	0.34	0.81	0.44	0.36	•	•			.001	No chart		0.34	0.000	
Nov. 21,22	C5	1.412	CFR-1	10:52	280	0.40	0.36	0.30	0.23	67.9	31.5			.01	No chart		0.39	0.002	
	C6	1.632	•	•	•	•	•	•	•	•	•	No runoff							
	C7	1.796	•	•	•	•	•	•	•	•	•	•	•						
	C8	5.123	•	•	•	•	•	•	•	•	•	•	•						
	W23	6.005	FFR-1	10:47P	250	0.40	0.36	0.32	0.30	•	•			.001	No chart		0.40	0.000	
Dec. 3	--	--	CFR-1	12:59P	208	0.18	0.17	0.12	0.10	44.0	39.1	No runoff							
Dec. 6,7	C5	1.412	CFR-1	9:56A	1020	0.68	0.36	0.32	0.27	40.0	39.5	9:53 P-6	7:05 A-7	0.01	trace	11:08 P-6	0.67	0.002	
	C6	1.632	•	•	•	•	•	•	•	•	•	10:14 P-6	7:21 A-7	0.02	0.01	11:21 P-6	0.66	0.004	
	C7	1.796	•	•	•	•	•	•	•	•	•	10:11 P-6	7:11 A-7	0.01	trace	indef.	0.67	0.001	
	C8	5.123	•	•	•	•	•	•	•	•	•	9:25 P-6	12:45 A-7	0.01	0.03	10:40 P-7	0.67	0.002	
	W23	6.005	FFR-1	10:10A	990	0.64	0.27	0.26	0.22	•	•	10:25 P-6	5:56 A-7	0.003	trace	indef.	0.64	0.000	
Dec. 12	--	--	CFR-1	2:17P	125	.03	0.02	0.02	0.02	36.9	27.8	No runoff							
Dec. 15	--	--	CFR-1	3:50A	340	0.09	0.09	0.08	0.08	45.0	35.0	No runoff					0.09	None	
Dec. 18	--	--	CFR-1	4:30A	45	0.04	0.12	0.10	0.06	46.20	42.10	No runoff					0.04	None	Lespedeza and weeds in seed stage
Dec. 19	--	--	FFR-1	4:00A	30	0.01	0.02	0.02	0.02			No runoff					0.01	None	
Dec. 19-20	C5	1.412	CFR-1	1:12 P-19	825	0.89	0.42	0.22	0.19	41.20	40.50	9:21 P-19	7:31 A-20	0.21	0.05	12:11 A-20	0.68	0.031	
	C6	1.632	•	•	•	•	•	•	•			9:50 P-19	8:30 A-20	0.12	0.13	12:30 A-20	0.77	0.050	
	C7	1.796	•	•	•	•	•	•	•			9:30 P-19	8:00 A-20	0.19	0.05	12:25 A-20	0.70		No Weir sample
	C8	5.123	•	•	•	•	•	•	•			10:41 P-19	1:00 A-20	0.21	0.06	12:21 A-20	0.88	0.022	
	W23	6.005	FFR-1	12:30 P-19	965	0.92	0.52	0.23	0.19			5:30 P-19	8:00 A-20	0.23	0.03	3:00 A-20	0.85	0.001	
Dec. 25-26	C5	1.412	CFR-1	9:35 P-25	970	0.78	0.30	0.20	0.15	29.90	36.50	2:55 A-26	2:00 P-26	0.26	0.05	8:40 A-26	0.52	0.016	
	C6	1.632	•	•	•	•	•	•	•			3:02 A-26	2:29 P-26	0.27	0.07	8:49 A-26	0.51		No Weir sample
	C7	1.796	•	•	•	•	•	•	•			3:21 A-26	2:21 P-26	0.17	0.05	10:21 A-26	0.61	0.010	
	C8	5.123	•	•	•	•	•	•	•			2:52 A-26	9:30 P-26	0.01	0.03	3:10 A-26	0.77	0.001	
	W23	6.005	FFR-1	10:08 P-25	650	0.75	0.44	0.26	0.19			1:25 A-26	2:55 P-26	0.03	0.02	4:55 A-26	0.72	None	

Form S. C. S.-343

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
DIVISION OF RESEARCH

RECORD OF SINGLE STORMS AND THEIR RUN-OFFS ON VARIOUS WATERSHEDS

PROJECT STATESVILLE, NORTH CAROLINA

MONTH _____ 1934

SHEET 5

Date	Watershed Number	Watershed Area (Acres)	Gage No.	Rainfall Begin (Hour)	Rainfall Duration (Minutes)	Rainfall Amount (Inches)	Maximum Intensity 5 minutes (Inches per hour)	Maximum Intensity 15 minutes (Inches per hour)	Maximum Intensity 30 minutes (Inches per hour)	Temperature (Degrees F) Maximum	Temperature (Degrees F) Minimum	Runoff Begin (Hour)	Runoff End (Hour)	Runoff Amount (Inches)	Maximum Rate Cu. ft. per sec.	Maximum Rate Time	Rainfall Minus Runoff (Inches)	Soil Loss (Tons per acre)	Condition of Watershed
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)		(17)	(18)	WATERSHED HISTORY 1934 (19)
January 1	C5	1.412	CPR-1	12:28	650	0.43	0.40	0.31	0.22	38.0	20.0	Indef.	Indef.	0.003	Trace	Trace	0.43	0.001	Watershed W23 in woods
	C6	1.632	"	A-1	"	"	"	"	"	"	"	"	"	0.001	"	"	"	None	all year.
	C7	1.796	"	"	"	"	"	"	"	"	"	"	"	0.001	"	"	"	"	Watersheds C5, C6, and C7
	C8	5.123	"	"	"	"	"	"	"	"	"			No run-off			"	"	broken up Jan. 17-29 incl.
	W23	6.005	FFR-1	1:23	615	0.41	0.30	0.26	0.22	38.0	20.0	Indef.	Indef.	0.004	Trace	Trace	0.41	None	C8 in lespedeza and weeds
				A-1															Watershed C8 drilled to
																			lespedeza April 13.
January 4-5	C5	1.412	CPR-1	11:10	1500	0.67	0.34	0.20	0.14	45.8	31.0	Indef.	Indef.	0.05	Trace	Trace	0.62	0.003	Watersheds C5, C6 and C7
	C6	1.632	"	A-4	"	"	"	"	"	"	"	"	"	0.03	"	"	0.64	0.002	disked May 4-5 inclusive
	C7	1.796	"	"	"	"	"	"	"	"	"	"	"	0.04	"	"	0.63	0.002	and planted to cotton
	C8	5.123	"	"	"	"	"	"	"	"	"	"	"	0.004	"	"	0.67	None	May 5-9 inclusive.
	W23	6.005	FFR-1	11:10	1535	0.68	0.27	0.20	0.17	45.8	31.0	6:35	9:20	0.01	0.03	10:10	0.67	"	May 23 Cotton on C5, C6 and
				A-4								P-4	A-5			A-5			C7 just up.
																			Watersheds C5, C6, C7
Jan. 6-7	C5	1.412	CPR-1	12:00	1605	0.59	0.48	0.46	0.42	46.0	39.5	11:35	7:47	0.20	0.07	1:52	0.39	0.008	cultivated May 23-26 inclusive
				M-6								A-7	P-7			P-7			cotton on C5, C6, C7 hoed
	C6	1.632	"	"	"	"	"	"	"	"	"	11:46	9:53	0.29	0.10	2:03	0.30	0.047	June 5-20 inclusive.
												A-7	P-7			P-7			Watersheds C5, C6, C7
	C7	1.796	"	"	"	"	"	"	"	"	"	9:28	7:28	0.35	0.10	4:08	0.24	0.043	plowed June 5-21 inclusive
												A-7	A-8			P-7			also June 28 to July 7
	C8	5.123	"	"	"	"	"	"	"	"	"	11:45	3:28	0.01	0.14	1:55	0.58	0.005	inclusive.
												A-7	P-7			P-7			Cotton 5" high on watersheds
	W23	6.005	FFR-1	11:40	1614	0.60	0.72	0.56	0.45	46.0	39.5	11:53	12:27	0.04	0.04	3:57	0.56	0.203	C5, C6 and C7
				A-6								A-7	A-8			P-7			July 4
																			Weeds mowed on
January 12	C5	1.412	CPR-1	6:30	775	0.31	0.12	0.11	0.09	41.5	30.0	Indef.	Indef.	0.01	Trace	Trace	0.30	None	Watershed C8 July 9
	C6	1.632	"	A-12	"	"	"	"	"	"	"			No run-off			0.31	"	Watershed C5, C6, C7
	C7	1.796	"	"	"	"	"	"	"	"	"			"	"		"	"	plowed July 14 and hoed
	C8	5.123	"	"	"	"	"	"	"	"	"			"	"		"	"	July 18-19 inclusive.
	W23	6.005	FFR-1	6:54	795	0.31	0.10	0.09	0.08	41.5	30.0			"	"		0.31	"	Weeds raked off of water-
				A-12															shed C8 July 30-31, incl.
																			Lespedeza mowed October 3-4
January 25	C5	1.412	CPR-1	2:55	400	0.19	0.08	0.08	0.05	46.0	45.0			No run-off			0.19	None	inclusive.
	C6	1.632	"	P-25	"	"	"	"	"	"	"			"	"		"	"	Watershed C8 broken up
	C7	1.796	"	"	"	"	"	"	"	"	"			"	"		"	"	November 19-21 inclusive.
	C8	5.123	"	"	"	"	"	"	"	"	"			"	"		"	"	Watersheds C5, C6, C7 broken
	W23	6.005	FFR-1	2:50	420	0.20	0.08	0.07	0.06	46.0	45.0			No run-off			0.20	"	up November 21-28 inclusive,
				P-25															Watersheds C5, C6, C7, C8
																			idle for rest of year.
February 1	C5	1.412	CPR-1	3:50	560	0.62	0.24	0.19	0.18	34.5	19.0			No run-off			0.62	None	
	C6	1.632	"	A-1	"	"	"	"	"	"	"			"	"		"	"	SOIL TYPES
	C7	1.796	"	"	"	"	"	"	"	"	"			"	"		"	"	C5, C6 100% Cecil S. Loam
	C8	5.123	"	"	"	"	"	"	"	"	"			"	"		"	"	C7 85% " " "
	W23	6.005	FFR-1	3:05	630	0.63	0.27	0.20	0.19	34.5	19.0	Indef.	Indef.	0.004	Trace	Trace	0.63	"	C8 70% " C. "
				A-1															W23 100% Appling S. Loam
Feb. 2	--	--	FFR-1	9:10A	220	0.16	0.12	0.11	0.09	42.0	25.0			No runoff			0.16	None	
Feb. 11-12	--	--	CPR-1	7:50P	740	0.31	0.12	0.09	0.09	44.0	12.0			No runoff			0.31	None	
Feb. 19	--	--	CPR-1	3:50A	140	0.25	0.12	0.11	0.10	28.0	12.2			No runoff			0.25	None	
Feb. 22	--	--	CPR-1	7:45A	320	0.20	0.14	0.13	0.09	44.5	33.0			No runoff			0.20	None	
Feb. 24	--	--	CPR-1	7:55P	120	0.25	0.20	0.22	0.14	33.0	18.0			No runoff			0.25	None	
Feb. 25-26	C5	1.412	CPR-1	8:13	1070	3.16	1.22	0.72	0.46	39.0	14.0	8:32	7:02	0.12	0.83	11:—	3.04		Soil loss figured on 2/26/34
				A-25								A-25	P-25			P-25			
	C6	1.632	"	"	"	"	"	"	"	"	"	2:19	8:04	0.05	0.19	11:52	2.51		Soil loss figured on 3/3/34
												A-25	P-25			P-25			
	C7	1.796	"	"	"	"	"	"	"	"	"	2:37	9:52	0.34	0.10	11:52	2.82		" " " " "
												P-25	A-26			P-25			
	C8	5.123	"	"	"	"	"	"	"	"	"	Indef.	Indef.	Indef.	Indef.	Indef.	Gage frozen		Soil loss figured on 3/4/34
	W23	6.005	FFR-1	8:16	1670	3.14	1.56	0.74	0.40	39.0	14.0	10:21	4:30	Continued through the storm of					Soil loss figured on 3/7/34
				A-25								A-25	P-3/7	March 7, 1934					
Mar. 2	C	--	CPR-1	9:10A	910	0.66	0.22	0.11	0.13	57.0	29.5			No runoff			0.66	None	
	W23	6.005	FFR-1	8:15A	820	0.64	0.20	0.18	0.15	57.0	29.5			Refer to 3/7/34					
Mar. 3	C5	1.412	CPR-1	3:00	540	0.34	0.33	0.33	0.29	56.5	28.3	5:19	1:—	0.10	0.03	10:—	0.24		
				A-3								A-3	P-3			A-3			
	C6	1.632	"	"	"	"	"	"	"	"	"	2:58	2:13	0.3	0.13	8:03	0.31	0.022	
												A-3	P-3			A-3			
	C7	1.796	"	"	"	"	"	"	"	"	"	3:39	2:21	0.13	0.05	9:—	0.81	0.020	
												A-3	P-3			A-3			
	C8	5.123	"	"	"	"	"	"	"	"	"			Gage frozen				None	
	W23	6.005	FFR-1	12:08	560	0.96	0.68	0.53	0.40	56.5	22.8			Refer to 3/7/34					
				A-3															
Mar. 3-4	C5	1.412	CPR-1	3:20	820	0.79	1.08	0.72	0.62	58.0	32.0	3:21	2:25	0.16	0.03	3:50	0.61	0.037	
				P-3								P-3	A-4			P-3			
	C6	1.632	"	"	"	"	"	"	"	"	"			Chart Replaced					
	C7	1.796	"	"	"	"	"	"	"	"	"								
	C8	5.123	"	"	"	"	"	"	"	"	"	3:22	5:05	(0.72)	0.08	4:00	0.78	0.024	Total runoff from Feb. 25 to Mar.
												P-3	P-3			P-3			
	W23	6.005	FFR-1	3:05	845	0.79	0.80	0.80	0.58	58.0	32.3			Refer to 3/7/34					
				P-3															
Mar. 4-5	C	--	CPR-1	10:15P	80	0.27	0.16	0.17	0.12	55.0	18.5			No runoff			0.27	None	
	W23	6.005	FFR-1	7:10	280	0.27	0.17	0.15	0.08	53.0	18.5			Refer to 3/7/34					
				P-4															
Mar. 7	C	--	CPR-1	1:25A	35	0.04	0.66	0.37	0.19	45.5	33.9			No runoff			0.04	None	
	W23	6.005	FFR-1		No rain							12:51	4:30	2.73	0.38	5:16	2.67	0.032	Soil loss and runoff includes
												A-22	P3/7			A-3/1			rain on Feb. 25 to Mar. 7 in.
Mar. 13-20	C5	1.412	CPR-1	4:01	1020	1.02	0.18	0.11	0.37	47.0	35.0			No runoff			1.02	None	
	C6	1.632	"	P-13	"	"	"	"	"	"	"			"	"		"	"	
	C7	1.796	"	"	"	"	"	"	"	"	"			"	"		"	"	
	C8	5.123	"	"	"	"	"	"	"	"	"			0.01			1.01	"	
	W23	6.005	FFR-1	4:12	965	1.04	0.22	0.37	0.39	47.0	38.0	4:41	7:—	0.12	0.36	5:11	0.95	None	
				P-13								A-22	P-22			A-20			
Mar. 22	--	--	FFR-1	7:20P	30	0.04	0.12	0.10	0.08	54.0	44.5			No runoff			0.04	None	

Form A. C. S.-1-4

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
DIVISION OF RESEARCH

Month _____, 1934

Project STATESVILLE, N. CAROLINA

RECORD OF SINGLE STORMS AND THEIR RUN-OFFS ON VARIOUS WATERSHEDS

Sheet 6 of ____ sheets

Date	Watershed Number	Area (acres)	Gage No.	Rainfall Begins (hour)	Rainfall Ends (hour)	Amount (inches)	Maximum Intensity 5 minutes (inches per hour)	Maximum Intensity 15 minutes (inches per hour)	Maximum Intensity 30 minutes (inches per hour)	Temperature (degrees F) Maximum / Minimum	Runoff Begins (hour)	Runoff Ends (hour)	Amount (inches)	Maximum Rate Cu. ft. per sec.	Maximum Rate Time	Rainfall Minus Runoff (inches)	Silt Loss (tons per acre)	Condition of Watershed
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Mar. 23	--	--	CFR-1	12:30P	90	0.05	0.09	0.07	0.06	34.0 / 32.9			No runoff			0.05	None	
Mar. 24-25	C	--	CFR-1	1:40P	1175	0.64	0.20	0.17	0.14	37.0 / 27.0			No runoff			0.64	None	
	W23	6.005	FFR-1	2:00P	2:30	0.09	0.04	0.18	0.15	37.0 / 27.0	2:12 P-24	7:17 A-25	0.01	0.02	5:17 P-24	0.66		Silt loss - Refer to March 30/34
Mar. 27	C5	1.632	CFR-1	5:20 A-27	690	1.61	1.50	1.24	0.90	44.5 / 32.5	2:26 P-27	7:12 A-28	0.3	0.03	3:20 P-27	1.9	0.031	Land fresh plowed
	C6	1.632	"	"	"	"	"	"	"	" "	2:30 P-27	6:21 A-28	0.35	0.10	3:21 P-27	1.28	0.034	" " "
	C7	1.796	"	"	"	"	"	"	"	" "	2:32 P-27	7:37 A-28	0.34	0.10	3:52 P-27	1.9	0.023	" " "
	C8	5.123	"	"	"	"	"	"	"	" "	2:31 P-27	11:11 P-27	0.12	0.5	2:51 P-27	1.71	0.006	Lespedeza & weeds in seed stage
	W23	6.005	FFR-1	9:24 A-27	72m	1.35	2.0	1.71	1.26	44.5 / 38.5	Refer to 3/30/34.							Mixed hardwood and pine
Mar. 30	C	--	CFR-1	2:10A	17	0.04	0.17	0.14	0.08	46.5 / 31.2			No runoff			0.04	None	
	W23	6.005	FFR-1	4:20 P-30	80	0.04	0.12	0.09	0.05	46.5 / 31.2	8:34 A-30	3:12 P-31	0.04	0.13	7:19 P-27	0.95	0.010	Silt loss includes storms of March 24 to March 30/34 incl.
Apr. 7	--	--	CFR-1	1:25A	37	0.10	0.16	0.16	0.16	58.0 / 54.2			No runoff			0.10	None	
Apr. 8-9	C5	1.632	CFR-1	7:01 P-8	1217	2.60	0.92	0.80	0.41	66.0 / 51.0	11:55 P-8	6:53 P-9	0.12	0.02	9:27 A-9	1.94	0.014	
	C6	1.632	"	"	"	"	"	"	"	" "	10:32 P-8	5:00 P-9	0.12	0.03	9:59 A-9	1.94	0.002	C5, C6, C7 Fresh plowed land wet
	C7	1.796	"	"	"	"	"	"	"	" "	9:10 A-9	9:56 P-9	0.11	0.03	9:51 A-9	1.95	0.008	
	C8	5.123	"	"	"	"	"	"	"	" "	10:32 P-8	6:17 P-9	0.07	0.10	9:32 A-9	1.99	0.032	Lespedeza and weeds
	W23	6.005	FFR-1	7:20 P-8	121	2.08	1.00	0.68	0.46	66.0 / 51.0	8:05 P-8	6:00 P-9	0.07	0.10	9:59 A-9	1.51	0.009	
Apr. 15-16	C5	1.632	CFR-1	4:33 P	395	0.83	0.60	0.4	0.41	59.5 / 42.1	Indef.	Indef.	0.01	Trace	Trace	0.82	0.002	
	C6	1.632	"	"	"	"	"	"	"	" "	"	"	0.003	"	"	0.83	0.001	
	C7	1.796	"	"	"	"	"	"	"	" "	"	"	0.003	"	"	0.83	0.001	
	C8	5.123	"	"	"	"	"	"	"	" "	"	"	0.003	"	"	0.83	0.001	Drilled to Lesp. 4/13/34
	W23	6.005	FFR-1	6:50P	410	0.86	0.79	0.47	0.43	59.5 / 42.1	9:30P	Runoff continues through 4/19/34						
Apr. 17	C	--	CFR-1	2:10A	610	0.20	0.14	0.07	0.11	58.5 / 56.2			No runoff			0.20	None	
	W23	6.005	FFR-1	2:35 P-16	946	0.20	0.12	0.11	0.09	59.5 / 56.2			Runoff continues through 4/19/34					
Apr. 19	C	--	CFR-1	4:20P P-19	110	0.09	0.12	0.10	0.09	64.0 / 55.1			No runoff			0.09	None	
	W23	6.005	FFR-1	4:30 P-19	110	0.09	0.06	0.06	0.06	64.0 / 55.1		4:02 P-20	0.21	0.06	3:00 A-16		0.004	Silt loss and runoff includes rains 4/16/34 through 4/19/34 inclusive
May 10	--	--	CFR-1	9:45P	115	0.22	0.26	0.23	0.18	64.0 / 55.5			No runoff			0.22	None	C5, C6, and C7 disked May 4, 5, 1934 and planted to cotton May 5-9 inclusive
May 15	C5	1.632	CFR-1	12:00A	820	1.32	2.20	1.15	0.73	67.5 / 64.0			0.004			1.32	None	
	C6	1.632	"	"	"	"	"	"	"	" "			0.001			1.32	"	
	C7	1.796	"	"	"	"	"	"	"	" "			0.002			1.32	0.001	
	C8	5.123	"	"	"	"	"	"	"	" "			0.002			1.32	0.001	
	W23	6.005	FFR-1	12:20A	655	1.33	1.[illegible]	1.00	0.80	67.5 / 64.0	5:50A	7:37P	0.06	0.09	6:15A	1.27	0.003	
May 15	--	--	CFR-1	4:45P	250	0.11	0.30	0.27	0.15	67.5 / 64.0			No runoff			0.11	None	
May 16-17	C5	1.632	CFR-1	3:35P	1377	0.40	0.14	0.14	0.14	62.0 / 55.1			No runoff			0.40	None	
	C6	1.632	"	"	"	"	"	"	"	" "			"			"	"	
	C7	1.796	"	"	"	"	"	"	"	" "			0.002			"	"	
	C8	5.123	"	"	"	"	"	"	"	" "			0.001			"	"	
	W23	6.005	FFR-1	3:17P	1230	0.40	0.17	0.17	0.17	62.0 / 59.1	Indef.	Indef.	0.002	Trace	Trace	0.40	None	
May 29	C5	1.632	CFR-1	12:55 A-29	1160	1.54	0.92	0.40	0.34	62.0 / 51.9	Indef.	Indef.	0.01	Indef.	Indef.	1.53	0.001	Fresh plowed
	C6	1.632	"	"	"	"	"	"	"	" "	7:38 P-29	2:38 A-30	0.01	Trace	Trace	1.53	0.001	" "
	C7	1.796	"	"	"	"	"	"	"	" "	Indef.	Indef.	0.01	0.01	Indef.	1.53	None	" "
	C8	5.123	"	"	"	"	"	"	"	" "	12:00 A-30	10:00 P-30	Trace	Trace	Trace	1.5	0.001	
	W23	6.005	CFR-1	12:55 A-29	1120	1.34	0.62	0.40	0.34	62.0 / 51.9	2:10 A-29	3:10 P-29	0.07	0.03	4:00 A-29	1.47	None	
May 30	C5	1.632	CFR-1	5:15 A-30	210	0.44	0.24	0.04	0.04	70.8 / 54.9	3:27 P-30	9:10 P-30	Trace	Trace	Trace	0.04	0.001	Cotton up
	C6	1.632	"	"	"	"	"	"	"	" "	3:20 P-30	9:32 P-30	0.01	0.01	3:32 P-30	0.03	None	" "
	C7	1.796	"	"	"	"	"	"	"	" "	3:21 P-30	7:34 P-30	Trace	Trace	Trace	0.0	0.001	" "
	C8	5.123	"	"	"	"	"	"	"	" "	Indef.	Indef.	Trace	0.06	Indef.	0.04	0.001	
	W23	6.005	CFR-1	5:35 A-30	210	0.04	0.04	0.04	0.04	70.8 / 54.9	3:52 P-30	4:[illegible] P-30	"	Trace	Trace	0.04	None	
June 3	--	--	CFR-1	5:45P	72	0.19	0.21	0.20	0.15	68.2 / 57.5			No runoff		--	0.19	None	
June 4	--	--	CFR-1	11:55A	20	0.13	0.12	0.07	0.04	68.5 / 50.8			No runoff		--	0.13	None	Watershed history same as sheet 1.
June 5	--	--	CFR-1	12:00A	300	0.38	0.10	0.07	0.07	68.5 / 60.5			No runoff		--	0.05	None	Cotton seed June 5-20, inclusive
June 8	--	--	CFR-1	4:00P	19	0.18	1.56	0.52	0.25	70.2 / 54.2			No runoff		--	0.13	None	Plowed June 8-21, inclusive
June 9	--	--	CFR-1	1:07A	103	0.13	0.39	0.17	0.12	71.2 / 54.3			No runoff		--	0.13	None	
June 17-18	--	--	CFR-1	8:45P	225	0.20	0.40	1.20	1.33	84.1 / 65.3			No runoff		--	0.20	None	
June 23	C5	1.632	CFR-1	9:25 P-23	72	1.03	4.38	3.38	2.89	91.5 / 68.0	2:33 P-23	11:15 A-24	0.35	0.38	9:30 P-23	1.73		Fresh plowed
	C6	1.632	"	"	"	"	"	"	"	" "	2:33 P-23	2:57 A-24	0.73	1.79	9:26 P-23	2.95	1.082	" "
	C7	1.796	"	"	"	"	"	"	"	" "	2:35 P-23	2:57 A-24	0.57	1.37	9:[illegible] P-23	1.11	0.707	" "
	C8	5.123	"	"	"	"	"	"	"	" "	2:35 P-23	11:[illegible] P-23	0.40	1.57	9:[illegible] P-23	1.59	0.346	Lespedeza and weeds
	W23	6.005	FFR-1	9:27 P-23	72	1.72	4.32	3.46	2.50	95.5 / 68.0	2:35 P-23	3:20 A-24	0.24	1.28	9:[illegible] P-23	1.08	0.002	

Form S. C. S.-[illegible]

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
DIVISION OF RESEARCH

RECORD OF SINGLE STORMS AND THEIR RUN-OFFS ON VARIOUS WATERSHEDS

PROJECT STATESVILLE N.C. CAROLINA

MONTH _____ 19[illegible]

SHEET 7 OF _____

Date	Watershed Number	Watershed Area Acres	Rainfall Gage No.	Rainfall Begins	Rainfall Duration Minutes	Rainfall Amount Inches	Maximum Intensity 1 Minute Inches per Hour	Maximum Intensity 15 Minutes Inches per Hour	Maximum Intensity 30 Minutes Inches per Hour	Temperature Degrees F Maximum	Temperature Degrees F Minimum	Runoff Gage No.	Runoff Begins	Runoff Amount Inches	Maximum Rate Inches per Hour	Maximum Rate Time	Rainfall Minus Runoff Inches	Soil Loss Tons per Acre	Description of Watershed
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
June 30	13	1.032	SRR-1	6:15P	35	0.52	1.25	1.07	1.[illegible]	90.6	67.0		No runoff		--	0.52	None	
	06	1.032	"	"	"	"	"	"	"	"	"		"		"		"	
	07	1.756	"	"	"	"	"	"	"	"	"	5:09 F-30	5:15 F-30	0.01	0.02	4:50 F-30	1.49	
	08	5.183	"	"	"	"	"	"	"	"	"	6:59 F-30	9:23 F-30	0.02	0.37	7:00 F-30	0.48	
	W23	6.005	SRR-1	6:35P	21	0.48	1.04	1.04	0.96	90.2	67.0		No runoff				0.48	None
July 1	05	1.[illegible]	SRR-1	6:15 P-1	273	1.26	1.62	1.31	1.29	87.2	67.0	6:59 F-1	7:31 A-2	0.02	1.11	8:03 F-1	0.24	0.010
	06	1.032	"	"	"	"	"	"	"	"	"	7:19 F-1	8:12 A-2	0.02	1.11	8:14 F-1	0.10	0.019
	07	1.756	"	"	"	"	"	"	"	"	"	7:18 F-1	8:39 A-2	0.01	1.14	8:18 F-1	0.05	0.030	Silt loss includes rain of 6-30-1
	08	5.183	"	"	"	"	"	"	"	"	"	6:59 F-1	9:21 F-1	0.07	0.36	8:23 F-1	1.29	0.111	" " " "
	W23	6.005	SRR-1	6:12 F-1	285	1.33	1.52	1.36	1.02	87.0	67.0	7:11 F-1	1:55 A-2	0.14	0.11	8:28 F-1	1.19	0.001	
July [illegible]	05	1.[illegible]	SRR-1	9:30 F-1	35	0.27	0.90	0.76	0.6[illegible]	50.0	50.0	9:31 A-1	10:06 F-1	0.03	0.0[illegible]	9:5[illegible] A-1	0.2[illegible]	0.030	Cotton 6" high
	06	1.632	"	"	"	"	"	"	"	"	"	9:30 A-1	10:20 A-1	0.12	0.27	9:4[illegible] A-1	0.25	0.028	" " "
	07	1.756	"	"	"	"	"	"	"	"	"	9:25 A-1	1:11 A-1	0.02	0.02	9:30 A-1	0.25	0.008	" " "
	08	5.183	"	"	"	"	"	"	"	"	"	9:37 A-1	1:15 A-1	Trace	0.03	9:55 A-1	0.27	0.003	
	W23	6.005	SRR-1	9:11 A-1	35	0.32	0.16	1.20	0.[illegible]	88.2	64.0	10:00 A-1	10:10 F-1	Trace	Indef.	Indef.	0.32	None	
2nd rain	05	1.205	"	6:06 F-1	120	0.05	0.15	0.13	0.07	80.0	64.0		No runoff		--		0.05	None	
July 2	--	--	SRR-1	11:02P	60	0.28	0.39	0.21	0.13	75.2	69.0		No runoff		--		0.08	None	
July 9	--	--	SRR-1	3:[illegible]A	90	1.15	0.13	0.7	0.95	71.5	67.5		No runoff		--		0.05	None	Needs repeat on 06
July 12-11	05	1.[illegible]	SRR-1	3:30 F-10	200	0.65	1.52	1.17	0.[illegible]	70.5	67.5	4:10 F-10	4:55 A-11	0.32	0.19	1:00 A-11	0.33	0.11[illegible]	
	06	1.032	"	"	"	"	"	"	"	"	"	4:[illegible] F-10	1:[illegible] A-11	0.32	0.28	1:32 A-11	0.33	0.156	
	07	1.756	"	"	"	"	"	"	"	"	"	Indef.	Indef.	0.002	Indef.	Indef.	0.65	None	
	08	5.183	"	"	"	"	"	"	"	"	"	12:55 A-11	2:30 A-11	0.01	0.0[illegible]	1:[illegible] A-11	0.5[illegible]	0.002	
	W23	6.005	SRR-1	3:35 F-10	455	0.55	1.92	1.17	0.66	70.5	67.5	1:17 A-11	5:32 A-11	0.01	0.02	2:12 A-11	0.5[illegible]	None	
July 22	05	1.[illegible]	SRR-1	9:1[illegible] A-11	212	0.10	0.[illegible]	0.32	0.1[illegible]	72.5	67.5	12:35 F-11	9:55 F-11	0.02	0.01	12:3[illegible] F-11	0.08	0.005	
	06	1.632	"	"	"	"	"	"	"	"	"	12:35 F-11	9:15 F-11	0.11	0.10	12:[illegible] F-11	0.01	0.00[illegible]	
	07	1.756	"	"	"	"	"	"	"	"	"		No runoff				0.10	None	
July 11	05	1.123	SRR-1	3:12 A-11	210	0.10	0.[illegible]	0.32	0.1[illegible]	70.5	67.5		No runoff				0.10	None	
	W23	6.[illegible]	SRR-1	11:50 F-10	35	0.04	0.10	0.05	0.0[illegible]	70.5	67.5		No runoff				0.02	None	
July 13	--	--	SRR-1	7:35A	35	0.03	0.[illegible]	0.[illegible]	0.02	86.2	67.5		No runoff				0.03	None	
July 15	--	--	SRR-1	5:22A	260	0.[illegible]	0.09	0.09	0.08	8[illegible]	[illegible]		No runoff				0.[illegible]	None	05, 06 and 07 fresh plowed
July 16	--	--	SRR-1	1:[illegible]P	33	0.12	0.[illegible]	0.[illegible]	0.[illegible]	77.0	55.0		No runoff				0.12	None	
July 17	--	--	SRR-1	3:[illegible]P	30	0.03	0.[illegible]	0.[illegible]	0.02	93.0	[illegible]		No runoff				0.03	None	
July 21	--	--	SRR-1	9:[illegible]P	270	0.09	0.[illegible]	0.[illegible]	0.[illegible]	85.0	72.0		No runoff				0.09	None	05, 06 and 07 hoed July 15-16 inclusive
July 23-2[illegible]	05	1.[illegible]	SRR-1	3:45 F-23	550	0.71	1.32	1.00	0.86	91.0	68.5	10:00 F-23	1:30 F-23	Trace	Trace	11:0[illegible] F-23	0.71	0.001	
	06	1.632	"	"	"	"	"	"	"	"	"	10:00 F-23	12:55 F-23	Trace	Trace	11:0[illegible] F-23	0.71	None	
	07	1.756	"	"	"	"	"	"	"	"	"	10:00 F-23	11:[illegible] F-23	Trace	Trace	11:0[illegible] F-23	0.71	0.001	
	08	5.183	"	"	"	"	"	"	"	"	"	10:00 F-23	11:[illegible] F-23	Trace	Trace	11:00 F-23	0.71	0.001	
	W23	6.005	"	3:00P	550	0.84	1.52	1.32	0.92	91.0	68.5		No runoff				0.84	None	
July 26	--	--	SRR-1	[illegible]	[illegible]	[illegible]	0.[illegible]	0.71	0.11	85.0	[illegible]		No runoff				0.01	None	
July 27	--	--	SRR-1	8:[illegible]A	55	[illegible]	0.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		No runoff				0.02	None	
July 30	--	--	SRR-1	8:[illegible]A	75	[illegible]	0.[illegible]	[illegible]	0.[illegible]	[illegible]	[illegible]		No runoff				0.00	None	
July 31	--	--	SRR-1	[illegible]	130	[illegible]	0.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		No runoff				[illegible]	None	Weeds raised off 06
Aug. 1	--	--	SRR-1	[illegible]	[illegible]	0.05	0.[illegible]	[illegible]	0.[illegible]	[illegible]	[illegible]		No runoff				0.02	None	
Aug. 7	--	--	SRR-1	9:15A	325	[illegible]	0.[illegible]	0.[illegible]	[illegible]	[illegible]	[illegible]		No runoff				[illegible]	None	
Aug. 8	--	--	SRR-1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		No runoff				0.02	None	
Aug. 11	05	1.[illegible]	SRR-1	2:25P	130	0.59	0.[illegible]	[illegible]	0.[illegible]	[illegible]	[illegible]	9:33 F-11	10:05 A-12	0.5[illegible]	0.09	10:23 F-11	0.02	0.072	
	06	1.032	"	"	"	"	"	"	"	"	"	9:35 F-11	9:[illegible] A-12	0.[illegible]	0.[illegible]	10:20 F-11	0.[illegible]	0.0[illegible]	
	07	1.756	"	"	"	"	"	"	"	"	"	9:[illegible] F-11	9:[illegible] A-12	0.[illegible]	0.11	10:20 F-11	0.19	0.02[illegible]	
	08	5.183	"	"	"	"	"	"	"	"	"	9:30 F-11	10:[illegible] A-12	0.0[illegible]	0.07	9:[illegible] F-11	1.33	0.011	
	W23	6.005	SRR-1	2:[illegible]	130	0.[illegible]	0.[illegible]	0.73	0.51	[illegible]	[illegible]	[illegible] F-11	[illegible] A-12	0.03	0.10	10:30 F-11	1.07	0.076	
Aug. 3	--	--	SRR-1	[illegible]	[illegible]	[illegible]	Indef.	Indef.	Indef.	[illegible]	[illegible]		No runoff				0.01	None	
Aug. 12-13	05	1.[illegible]	SRR-1	[illegible] F-12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] F-12	[illegible] A-13	[illegible]	[illegible]	[illegible] A-13	[illegible]	0.021	
	06	1.032	"	"	"	"	"	"	"	"	"	[illegible] F-12	[illegible] A-13	0.[illegible]	0.[illegible]	[illegible] A-13	0.[illegible]	0.012	
	07	1.756	"	"	"	"	"	"	"	"	"	[illegible] F-12	[illegible] A-13	0.[illegible]	0.[illegible]	[illegible] A-13	[illegible]	0.007	
	08	5.183	"	"	"	"	"	"	"	"	"	[illegible] F-12	[illegible] A-13	Trace	0.02	[illegible] A-13	0.[illegible]	0.00[illegible]	

Form S. C. S.-[illegible]

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
DIVISION OF RESEARCH

RECORD OF SINGLE STORMS AND THEIR RUN-OFFS ON VARIOUS WATERSHEDS

Project STATESVILLE, NORTH CAROLINA

Month _____, 19[illegible]

Sheet 8 of [illegible] sheets

Date	Watershed Number	Area acres	Gage No.	Rainfall Begins (Hour)	Duration (Hours)	Amount (Inches)	Maximum Intensity 5 minutes (Inches per hour)	15 minutes (Inches per hour)	30 minutes (Inches per hour)	Temperature (Degrees F) Maximum	Minimum	Runoff Begins (Hour)	Ends (Hour)	Amount (Inches)	Maximum Rate Cu. ft. sec.	Time	Rainfall Month Average (Inches)	Soil Loss (Tons per acre)	Character of Watershed
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Aug. 12-17	W23	6.005	FFR-1	4:55 P-16	340	0.31	1.09	0.44	0.15	85.0	60.0	No runoff					0.3	None	
Aug. 16	C5	1.412	CFR-1	9:30A	655	.67	3.19	1.43	0.72	84.0	71.5	12:10P	1:20P	0.22	0.02	12:40P	0.15	0.009	
	C6	1.632	"	"	"	"	"	"	"	"	"	12:10P	1:55P	0.29	0.01	12:20P	0.30	0.111	
	C7	1.796	"	"	"	"	"	"	"	"	"	12:10P	11:32P	0.19	0.01	12:25P	0.26	0.099	
	C8	5.183	"	"	"	"	"	"	"	"	"	12:20P	1:10P	0.21	0.01	12:40P	0.26	0.042	
	W23	6.005	FFR-1	9:30A	600	0.82	2.64	1.00	0.57	86.0	71.5	12:15 P-16	12:50 A-16	0.35	0.02	12:50 F-16	0.30	0.201	
Aug. 23	C5	1.412	CFR-1	11:00A	570	0.59	3.64	1.20	1.13	75.5	62.0	7:00P F-23	10:20P A-23	0.30	0.01	7:20P	0.49	0.314	Cotton
	C6	1.632	"	"	"	"	"	"	"	"	"	7:10 P-23	12:10 A-24	0.18	0.03	7:31 F-23	0.37	0.223	"
	C7	1.796	"	"	"	"	"	"	"	"	"	7:15 P-23	12:15 A-24	0.24	0.01	7:33 F-23	0.31	0.099	"
	C8	5.183	"	"	"	"	"	"	"	"	"	7:12 P-23	11:45 A-24	0.22	0.01	7:31 F-23	0.53	0.035	Lespedeza and weeds
	W23	6.005	FFR-1	10:55A	500	0.85	3.60	2.11	1.55	77.5	69.0	7:10P	11:55P	0.20	0.03	7:25P	0.04	None	Woods
Aug. 24	--	--	CFR-1	5:20P	265	0.06	0.48	0.10	0.02	[illegible]	[illegible]	No runoff					2.06	None	
Aug. 29	--	--	CFR-1	2:30P	270	0.14	0.60	0.60	0.12	72.5	67.0	No runoff					0.14	None	
Aug. 27-29	C5	1.412	CFR-1	10:15 P-27	857	0.55	3.02	1.20	0.43	77.0	65.0	10:25 P-27	1:12 A-28	0.16	0.03	10:45 F-27	0.34	0.029	
	C6	1.632	"	"	"	"	"	"	"	"	"	10:31 P-27	6:50 A-28	0.30	0.28	10:50 F-27	0.19	0.171	
	C7	1.796	"	"	"	"	"	"	"	"	"	10:35 P-27	9:07 A-28	0.36	0.31	10:45 F-27	0.20	0.102	
	C8	5.183	"	"	"	"	"	"	"	"	"	10:33 P-27	11:05 F-27	0.01	0.02	10:40 F-27	0.54	0.034	
	W23	6.005	FFR-1	10:17 P-27	310	0.37	2.14	0.75	0.54	77.0	65.0	No runoff							
Aug. 29-30	C5	1.412	CFR-1	9:50 P-29	385	0.38	0.88	0.61	0.23	74.0	56.0	3:40 A-30	7:35 A-30	0.19	0.10	4:15 A-30	0.29	0.033	
	C6	1.632	"	"	"	"	"	"	"	"	"	3:40 A-30	9:42 A-30	0.15	0.12	3:50 A-30	0.23	0.039	
	C7	1.796	"	"	"	"	"	"	"	"	"	3:40 A-30	7:32 A-30	0.07	0.07	3:55 A-30	0.31	0.012	
	C8	5.183	"	"	"	"	"	"	"	"	"	3:40 A-30	6:42 A-30	Trace	0.05	3:54 A-30	0.38	0.001	
	W23	6.005	FFR-1	9:50 P-29	390	0.37	0.68	0.55	0.[illegible]	70.2	59.2	4:15 A-30	6:12 A-30	Trace	Trace	4:19 A-30	0.37	None	
Sept. 7	C5	1.412	CFR-1	1:10A	940	0.67	0.[illegible]	0.52	0.17	74.0	60.1	4:20 A	12:45P	0.28	0.10	10:21A	0.54	0.062	
	C6	1.632	"	"	"	"	"	"	"	"	"	5:00A	1:20P	0.10	0.02	10:24A	0.52	0.026	
	C7	1.796	"	"	"	"	"	"	"	"	"	12:27A	2:50P	0.04	0.27	10:26A	0.55	No sample	
	C8	5.183	"	"	"	"	"	"	"	"	"	6:50A	10:50A	0.01	Trace	9:00A	0.92	0.008	
	W23	6.005	FFR-1	1:00A	525	1.00	1.29	1.11	0.71	74.0	60.1	6:50A	2:10P	0.02	0.01	10:32A	1.04	0.007	
Sept. 12	C5	1.412	CFR-1	4:10P	25	0.14	0.68	0.15	0.28	65.0	61.0	4:20P	4:45P	Trace	[illegible]	[illegible]	0.14	0.002	
	C6	1.632	"	"	"	"	"	"	"	"	"	No runoff					0.14	None	
	C7	1.796	"	"	"	"	"	"	"	"	"	No runoff					0.14	"	
Sept. 12	C8	5.183	CFR-1	4:10P	25	0.14	0.68	0.8	0.25	65.0	61.0	No runoff					0.14	None	
	W23	6.005	FFR-1	4:15P	30	0.12	0.84	0.39	0.24	65.0	61.0	No runoff					0.12	None	
Sept. 13	--	--	CFR-1	5:25A	10	0.02	0.16	0.06	0.02	73.0	64.1	No runoff					0.02	None	
Sept. 13, [illegible]	C5	1.412	CFR-1	1:21 P-15	60	0.89	2.74	2.25	1.56	75.0	64.1	1:22 P-15	2:22 A-16	0.30	0.53	12:12 A-16	0.53	0.299	
	C6	1.632	"	"	"	"	"	"	"	"	"	1:27 P-15	6:[illegible] A-16	0.36	0.29	12:10 A-16	0.37	0.11	
	C7	1.796	"	"	"	"	"	"	"	"	"	1:16 P-15	7:12 A-16	0.43	0.23	12:00 A-16	0.46	0.1[illegible]	
	C8	5.183	"	"	"	"	"	"	"	"	"	1:25 P-15	12:20 A-16	0.03	0.60	12:03 A-16	0.66	0.003	
	W23	6.005	"	"	"	"	"	"	"	72.0	64.1	1:00 P-15	7:0[illegible] A-16	0.03	0.[illegible]	1:12 A-16	0.55	No sample	
Sept. 15, 16	C5	1.412	CFR-1	12:36 P-15	1284	1.30	1.20	0.94	0.37	69.0	67.0	3:[illegible] P-15	7:01 A-16	0.03	0.[illegible]	3:[illegible] A-16	1.20	0.1[illegible]	
	C6	1.632	"	"	"	"	"	"	"	"	"	2:53 P-15	8:[illegible] A-16	0.12	[illegible]	3:12 A-16	0.53	0.168	
	C7	1.796	"	"	"	"	"	"	"	"	"	3:[illegible] P-15	1:[illegible] A-16	0.71	0.31	3:17 A-16	0.77	0.11[illegible]	
	C8	5.183	"	"	"	"	"	"	"	"	"	2:15 P-15	5:[illegible] A-16	0.04	0.30	3:20 A-16	1.75	0.7[illegible]	
	W23	6.005	"	"	"	"	"	"	"	6[illegible].0	67.0	[illegible] P-15	[illegible] A-16	0.00	0.05	3:[illegible] A-16	1.[illegible]	0.003	
Sept. 17, 18	--	--	CFR-1	11:40P	150	0.05	0.28	0.12	0.06	70.0	60.0	No runoff					0.04	None	
Sept. 24	--	--	CFR-1	1:10	15	0.02	0.28	0.05	0.02	69.0	65.5	No runoff					0.02	None	
Sept. 28, 29	C5	1.412	CFR-1	12:20 P-29	540	0.71	1.63	1.36	0.74	62.0	54.5	1:[illegible] A-29	[illegible] A-29	0.17	0.07	[illegible] A-29	0.[illegible]	0.036	
	C6	1.632	"	"	"	"	"	"	"	"	"	1:[illegible] A-29	[illegible] A-29	0.12	0.02	1:21 A-29	0.[illegible]	0.012	
	C7	1.796	"	"	"	"	"	"	"	"	"	12:15 A-29	7:37 A-29	0.15	0.17	4:12 A-29	0.56	0.042	
	C8	5.183	"	"	"	"	"	"	"	"	"	[illegible] A-29	[illegible] A-29	0.03	[illegible]	[illegible] A-29	0.55	No sample	
	W23	6.005	"	10:20 P-29	340	0.54	1.33	1.02	0.74	62.0	60.0	No runoff					0.06	None	
Sept. 30	--	--	CFR-1	1:33A	20	0.05	0.39	0.15	0.05	65.0	65.2	No runoff					0.05	None	
Oct. 5, 6	C5	1.412	CFR-1	[illegible] A-6	1365	1.18	0.92	0.61	0.2[illegible]	63.0	56.0	12:[illegible] A-6	1:[illegible] A-6	0.27	0.13	10:05 A-6	0.65	0.065	
	C6	1.632	"	"	"	"	"	"	"	"	"	12:[illegible] A-6	[illegible] A-6	0.13	0.13	[illegible] A-6	0.52	0.03[illegible]	
	C7	1.796	"	"	"	"	"	"	"	"	"	[illegible] A-6	[illegible] A-6	[illegible]	[illegible]	[illegible] A-6	[illegible]	0.01[illegible]	
	C8	5.183	"	"	"	"	"	"	"	"	"	[illegible] A-6	[illegible] A-6	[illegible]	Trace	[illegible] A-6	0.77	None	Lespedeza [illegible]
	W23	6.005	"	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] A-6	[illegible] A-6	[illegible]	[illegible]	[illegible] A-6	0.70	None	

Form S. C. S.-[illegible]

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
DIVISION OF RESEARCH

Project STATESVILLE, NORTH CAROLINA

RECORD OF SINGLE STORMS AND THEIR RUN-OFFS ON VARIOUS WATERSHEDS

Month _____ 19 3_

Sheet 9 of _____ sheets

Date	Watershed: Number	Watershed: Area (Acres)	Rainfall: Gage No.	Rainfall: Begins (Date)	Rainfall: Ends (Date)	Rainfall: Amount (Inches)	Maximum Intensity: 5 Minutes (Inches per hour)	Maximum Intensity: 15 Minutes (Inches per hour)	Maximum Intensity: 30 Minutes (Inches per hour)	Temperature (Degrees F): Maximum	Temperature (Degrees F): Minimum	Run-off: Begins (Date)	Run-off: Ended (Date)	Run-off: Amount (Inches)	Maximum Rate: Cu. ft. per sec.	Maximum Rate: Time	Rainfall Minus Run-off (Inches)	Silt Loss (Tons per acre)	Condition of Watershed
(1)	2	3	4	5	6	7	8	9	10	11		12	13	14	15	16	17	18	19
Oct. 10,11	C5	1.112	FFR-1	1:22 A-10	7:55	3.26	1.12	1.02	1.09	65.1	56.3	5:17 A-10	6:27 P-10	1.7[illegible]	0.28	7:21 A-10	1.58	0.012	
	C6	1.632	"	"	"	"	"	"	"	"	"	5:3[illegible] A-10	12:59 A-11	1.88	1.21	7:36 A-10	1.35	0.006	
	C7	1.796	"	"	"	"	"	"	"	"	"	5:16 A-11	1:57 A-11	2.13	1.31	7:35 A-11	1.13	0.006	
	C8	5.123	"	"	"	"	"	"	"	"	"	5:27 A-12	2:7 P-12	2.12	0.72	7:02 A-12	3.[illegible]	0.026	
	W23	6.005	"	"	"	"	"	"	"	68.0	50.3	5:15 A-12	8:30 P-11	0.21	0.02	7:12 A-12	3.32	0.00[illegible]	
Oct. 18	--	--	CFR-1	3:30P	60	0.06	0.09	0.15	0.04	58.0	45.0				No runoff		0.06	None	
Oct. 31	--	--	FFR-1	3:22P	110	0.27	0.26	0.26	0.26	6[illegible].5	3[illegible]				No runoff		0.27	None	
	--	--	FFR-1	10:02P	560	0.65	0.25	0.19	0.17	6[illegible].5	3[illegible]				No runoff		0.26	None	
Nov. 3-4	C5	1.112	CFR-1	6:17 P-3	620	0.3	0.36	0.30	0.24	55.2	25.8	11:33 P-3	1.1 A-4	0.01	0.01	12:46 A-4	0.2	0.002	
	C6,7,8	--	"	"	"	"	"	"	"	"	"				No runoff		0.43	None	
	W23	6.005	FFR-1	10:32 P-3	110	0.18	0.60	0.3	0.29	55.2	25.8	12:30 A-4	1:10 A-4	0.002	Trace	1:30 A-4	0.18	None	
Nov. 10	--	--	CFR-1	1:47P	300	0.24	0.18	0.21	0.16	39.0	30.5				No runoff		0.24	None	
Nov. 23	--	--	CFR-1	5:12A	315	0.23	0.17	0.1[illegible]	0.09	63.0	50.0				No runoff		0.23	None	Terraces broken, c Nov.21-28, incl
Nov.28-29	C5	1.112	FFR-1	5:12 P-28	690	1.50	1.22	0.52	0.53	63.5	44.5	8:26 P-28	7:26 P-29	0.21	Trace	8:56 P-28	1.29		
	C6	1.632	"	"	"	"	"	"	"	"	"	9:12 P-28	7:56 P-29	0.22	0.07	10:53 P-28	1.68		
	C7	1.796	"	"	"	"	"	"	"	"	"	4:45 P-28	7:37 P-29	0.85	0.29	11:12 P-28	1.05		
	C8	5.123	"	"	"	"	"	"	"	"	"	Indef.	Indef.	Trace	Trace	Indef.	1.90		
	W23	6.005	"	3:01	690	1.30	"	"	"	63.5	44.5	4:38 P-28	7:10 P-29	0.18	0.09	11:10 P-28	1.12		
Nov. 29	--	--	FFR-1	10:44A	5	0.02	0.24	0.08	0.04	63.5	44.5				No runoff		0.02	None	
Nov. 29-30	C5	1.112	FFR-1	8:51 P-29	770	0.62	0.77	0.38	0.3	63.5	49.5				No runoff		0.62	None	
	C6	1.632	"	"	"	"	"	"	"	"	"	8:25 A-30	1:37 P-30	0.10	0.10	9:31 A-30	0.52		
	C7	1.796	"	"	"	"	"	"	"	"	"	8:22 A-30	7:08 P-30	0.23	0.10	9:37 A-30	0.19		
	C8	5.123	"	"	"	"	"	"	"	"	"	Indef.	Indef.	Trace	Trace	Indef.	0.15		
	W23	6.005	"	"	600	0.12	"	"	"	63.5	49.5	9:15 P-29	7:30 P-30	0.21	0.15	1:56 A-30	0.39		
Nov. 30 to Dec. 1	C5	1.112	FFR-1	1:52 P-30	785	1.30	2.32	1.16	0.98	53.0	49.5	7:[illegible] P-30	7:[illegible]5 A-1	0.34	0.11	8:05 P-30	2.96	0.108	Silt loss includes rains of Nov. 28 to Dec. 1 inclusive
	C6	1.632	"	"	"	"	"	"	"	"	"	7:27 P-30	8:03 A-1	0.81	0.46	7:46 P-30	0.39	0.53	" " " " "
	C7	1.796	"	"	"	"	"	"	"	"	"	7:22 P-30	7:05 A-1	1.03	0.83	7:12 P-30	0.67	0.002	" " " " "
Nov. 1 to Dec. 1	C8	5.123	FFR-1	1:50 P-30	785	1.30	2.12	1.09	0.98	53.2	49.5	Indef.	Indef.	0.04	Trace	Indef.	1.26	0.003	Silt loss and runoff includes rains of Nov. 28 to Dec. 1, inclusive
	W23	6.005	"	"	785	1.30	"	"	"	"	"	7:37 P-30	8:00 A-2	0.30	0.12	11:45 P-30	1.00	0.006	Silt loss includes rains of Nov. 28 to Dec. 1, inclusive
Dec. 3	--	--	CFR-1	5:10P	110	0.16	0.18	0.11	0.12	39.0	24.5			No runoff			0.16	None	
	W23	6.005	FFR-1	5:00P	105	0.12	0.12	0.11	0.09	39.0	24.5	5:30 P-3	7:30 A-4	0.002	Trace	6:00 P-3	0.12	None	
Dec. 10	--	--	CFR-1	Indef.	Indef.	0.01	Indef.	Indef.	Indef.	30.0	22.5			No runoff			0.01	None	
Dec. 18,19	--	--	CFR-1	8:32P	1032	0.88	0.20	0.15	0.23	3[illegible].7	2[illegible].0			No runoff			0.88	None	
	W23	6.005	FFR-1	11:08 P-18	1770	0.85	0.30	0.23	0.21	3[illegible].7	2[illegible].0	12:35 A-19	3:28 P-19	0.01	Trace	1:15 A-19	0.84	None	
Dec. 22	--	--	CFR-1	6:[illegible]A	110	0.15	0.19	0.16	0.11	1[illegible].5	2[illegible].8			No runoff			0.15	None	
Dec. 25	--	--	FFR-1	1:[illegible]A	300	0.12	0.18	0.17	0.10	50.[illegible]	35.2			No runoff			0.12	None	
Dec. 28	--	--	CFR-1	11:[illegible]A	160	0.13	0.11	0.10	0.07	[illegible]	2[illegible].2			No runoff			0.13	None	
Dec. 29	--	--	CFR-1	10:[illegible]A	150	0.19	0.26	0.15	0.03	[illegible]	3[illegible]			No runoff			0.19	None	
Dec. 31	C5	1.112	FFR-1	4:[illegible]A	900	1.25	0.[illegible]	0.38	0.39	35.[illegible]	3[illegible]	8:12 P-31	7:19 A-1	0.02	Trace	10:19 P-31	0.99	0.020	
	C6	1.632	"	"	"	"	"	"	"	"	"	7:[illegible] P-31	8:05 A-1	0.03	0.01	9:22 P-31	1.85	0.011	
	C7	1.796	"	"	"	"	"	"	"	"	"	6:17 P-31	8:[illegible] A-1	0.[illegible]	0.01	9:37 P-31	1.[illegible]	0.002	
	C8	5.123	"	"	"	"	"	"	"	"	"	Indef.	Indef.	0.01	Trace	In eff.	0.27	None	
	W23	6.005	FFR-1	1:22A P-1	600	1.19	0.[illegible]	0.37	0.32	3[illegible].3	3[illegible].[illegible]	3:[illegible] P-1	9:28 P-1	0.17	0.[illegible]	9:58 P-31	1.02	0.015	

Form S. C. S.-843

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
DIVISION OF RESEARCH

Month ____ 25

Project Statesville, N. C.

RECORD OF SINGLE STORMS AND THEIR RUN-OFFS ON VARIOUS WATERSHEDS

Sheet 10 of ____ sheets

Date	Watershed Number	Watershed Area (Acres)	Gage No.	Rainfall Begin (Hour)	Rainfall Duration (Hours)	Rainfall Amount (Inches)	Maximum Intensity 5 Minutes (Inches per hour)	Maximum Intensity 15 Minutes (Inches per hour)	Maximum Intensity 30 Minutes (Inches per hour)	Temperature (Degrees F) Maximum Minimum	Runoff Begin (Hour)	Runoff End (Hour)	Runoff Amount (Inches)	Maximum Rate (Cubic feet per second per acre)	Time	Rainfall Minus Runoff (Inches)	Runoff Loss (Inches per hour)	Description of Watershed
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Jan. 5	- -	- -	CPR-1	11:27P	60	0.02	0.02	0.02	0.02				No runoff			0.02		Watershed W-23 in virgin woods.
8	- -	- -	CPR-1	12:28A	150	.03	.02	.02	.02				No runoff			.03		
8-9	C-5	1.612	FTR-1	3:51 P-8	810	.79	1.75	.78	.46		1:58 A-9	6:45 A-9	Trace	Trace	Indef.	.69	0.003	Terraces C5, C6, and C7 cotton land broken up Nov. 21-28, 1934.
	C-6	1.632	FTR-1	"	"	"	"	"	"		2:54 A-9	8:04 A-9	Trace	Trace	Indef.	.69	.001	Disked March 13. Harrowed and sowed to lespedeza Apr. 15.
	C-7	1.796	FTR-1	"	"	"	"	"	"				See runoff		Nam. 9-8	.69	.001	Broken up Nov. 2 - Dec. 2.
	C-8	5.123	FTR-1	"	"	"	"	"	"		Indef. A-9	Indef. A-9	Trace	Trace	Indef.	.69	0	Watershed C8 lespedeza land broken up Nov. 19-21, 1934.
	W-23	6.005	FTR-1	1:51 P-8	810	.67	1.75	.78	.50		11:32 P-8	2:45 P-9	.25	.04	2:48 A-9	.69	0	Disked Apr. 18. Cotton planted Apr. 19-20. Cultivated
19	- -	- -	CPR-1	4:07P	1150	.36	.24	.10	.08				No runoff			.36		May 23-24, June 24-26, July 2-3,
22-26	C-5	1.612	FTR-1	7:59 A-22	1230	1.67	.77	.59	.42		1:42 P-22	4:17 A-23	.27	.10	9:27 P-22	1.40	.034	6-8, 30. Sown in rye and vetch Oct. 12.
	C-6	1.632	FTR-1	"	"	"	"	"	"		1:40 P-22	8:30 A-23	.63	.19	9:40 P-22	1.04	.010	
	C-7	1.796	FTR-1	"	"	"	"	"	"		4:15 P-22	1:00 A-23	.30	.13	10:10 P-22	1.37	.004	
	C-8	5.123	FTR-1	"	"	"	"	"	"		Indef.	Indef.	Trace	Trace	Indef.	1.67	.001	
	W-23	6.005	FTR-1	7:59	1230	1.64	.77	.59	.42		5:17 P-22	9:03 A-23	.46	.10	11:11 P-22	1.18	.203	
Feb. 9-10	C	- -	CPR-1	7:17P	445	.44	.72	.64	.46				No runoff			.44	0	
	W-23	6.005	FTR-1	7:14 P-9	430	.43	.84	.72	.50		8:21 P-9	1:44 A-10	.01	.01	8:24 P-9	.42	0	
13-15	C-5	1.612	FTR-1	6:21 A-13	2:30	2.10	.60	.55	.41		11:55 A-13	7:45 A-15	.14	.10	12:00 P-14	1.39	.050	
	C-6	1.632	FTR-1	"	"	"	"	"	"		12:20 P-13	12:00 A-15	.61	.13	2:00 A-16	1.29	.023	
	C-7	1.796	FTR-1	"	"	"	"	"	"		12:21 P-13	1:31 P-15	.96	.22	12:46 P-14	1.14	.036	
	C-8	5.123	FTR-1	"	"	"	"	"	"		12:20 P-14	9:53 P-14	.03	.06	12:50 P-14	2.07	.004	
	W-23	6.005	FTR-1	6:21 A-13	2080	2.08	.60	.55	.41		9:58 A-13	12:42 P-18	.58	.22	4:31 P-14	1.50	.006	
16	- -	- -	CPR-1	9:47P	225	.12	.08	.08	.07				No runoff			.12		
23	- -	- -	CPR-1	3:35A	130	.10	.12	.12	.12				No runoff			.10		
25	- -	- -	CPR-1	1:54A	95	.03	.04	.02	.02				No runoff			.03		
26	- -	- -	CPR-1	12:18A	235	.30	.32	.20	.12				No runoff			.30		
Mar. 5	- -	- -	CPR-1	8:28A	320	.26	.17	.11	.10				No runoff			.26		
Mar. 6	C-5	1.612	CPR-1	4:29 P-6	108	.59	4.92	1.85	1.03		5:57 P-6	2:25 A-7	.19	.22	6:30 P-6	.40	.215	
	C-6	1.632	CPR-1	"	"	"	"	"	"		5:59 P-6	2:37 A-7	.17	.19	6:04 P-6	.42	.121	
	C-7	1.796	CPR-1	"	"	"	"	"	"		6:00 P-6	1:23 A-7	.17	.24	6:10 P-6	.42	.134	
	C-8	5.123	CPR-1	"	"	"	"	"	"		6:00 P-6	6:20 P-6	.01	.65	6:02 P-6	.58	.030	
	W-23	6.005	FTR-1	4:27 P-6	102	.52	.38	1.78	.38		5:54 P-6	5:00 A-7	.03	.08	6:05 P-6	.52	.001	
Mar. 10	- -	- -	CPR-1	9:52P	58	.15	.12	.11	.10				No runoff			.15		
11	C-5	1.612	CPR-1	1:09 P-19	1230	2.05	1.37	1.09	.77		7:50 A-12	2:00 A-13	.97	.38	8:12 A-12	1.08	.261	
	C-6	1.632	CPR-1	"	"	"	"	"	"		7:51 A-12	7:23 A-12	1.29	.38	8:16 A-12	.76	.212	
	C-7	1.796	CPR-1	"	"	"	"	"	"		7:52 A-12	1:59 A-13	.92	.44	8:24 A-12	1.11	.197	
	C-8	5.123	CPR-1	"	"	"	"	"	"				Faulty record				.266	
	W-23	6.005	FTR-1	1:02 P-11	1290	1.97	1.20	.90	.69		7:55 A-12	7:00 A-14	.32	.20	8:01 A-12	1.45	.204	
Mar. 19	C	- -	FTR-1	3:05P	90	.30	.72	.72	.42				No runoff			.30		
	W-23	6.005	FTR-1	3:25 P-19	90	.29	.72	.72	.42		3:35 P-19	4:32 A-21	.18	.04	4:34 P-20	.24	0	
Mar. 20	C-5	1.612	CPR-1	6:45 A-20	240	.79	.90	.28	.16		12:55 A-20	1:25 A-21	.18	.24	1:35 P-20	.61	.068	
	C-6	1.632	FTR-1	"	"	"	"	"	"		8:23 A-20	11:33 A-21	.18	.24	1:35 P-20	.31	.027	
	C-7	1.796	FTR-1	"	"	"	"	"	"		8:24 A-20	1:22 A-21	.22	.24	1:39 P-20	.30	.058	
	C-8	5.123	FTR-1	"	"	"	"	"	"		12:13 A-20	2:30 A-21	.05	.22	1:15 P-20	.17	.029	
	W-23	6.005	FTR-1	6:45 A-20	440	.29	.90	.28	.16		Indefinite when March 19					.79	0	
Mar. 22	C-5	1.612	CPR-1	6:48 P-22	152	.13	.60	.30	.27		8:58 P-22	12:58 A-23	.12	.03	9:49 P-22	.29	.012	
	C-6	1.632	CPR-1	"	"	"	"	"	"		7:58 P-22	7:50 A-23	.52	.03	8:11 P-22	.18	.016	
	C-7	1.796	CPR-1	"	"	"	"	"	"		8:04 P-22	5:49 A-23	.18	.13	9:12 P-22	.27	.030	
	C-8	5.123	CPR-1	"	"	"	"	"	"		9:00 P-22	9:01 A-24	.02	.03	9:[illegible] P-22	[illegible]	.060	
	W-23	6.005	FTR-1	6:44 P-22	170	.29	.18	.30	.27		12:25 P-22	12:50 A-24	[illegible]	.07	4:23 P-22	.25	.001	

Form R. C. S.-94

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
DIVISION OF RESEARCH

Project [illegible]

RECORD OF SINGLE STORMS AND THEIR RUN-OFFS ON VARIOUS WATERSHEDS

Month _____ 1935
Sheet 11 of _____ sheets

Date	Watershed: Number	Watershed: Area	Rainfall: Type	Rainfall: Begin	Rainfall: Duration	Rainfall: Amount	Maximum Intensity: 15 minutes	Maximum Intensity: 30 minutes	Maximum Intensity: 60 minutes	Temperature Greater 7	Maximum Minimum	Runoff: Begin	Runoff: End	Runoff: Amount	Maximum Rate: To Time	Maximum Rate: Rate	Runoff Ratio	Runoff Rate per Hr.	Condition of Watershed
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Mar. 24	- -	- -	CFR-1	6:44P	252	.13	.12	.10	.08			No runoff					.13		
Mar. 25	C-5	1.412	FFR-1	12:00 P-25	998	2.03	2.40	1.44	1.05			12:02 P-25	9:07 A-26	.35	1.79	2:12 P-25	.68	1.252	
	C-6	1.632	FFR-1	"	"	"	"	"	"			12:07 P-25	2:22 A-26	.36	1.80	2:17 P-25	1.16	.503	
	C-7	1.790	FFR-1	"	"	"	"	"	"			12:07 P-25	8:37 A-26	1.44	1.64	2:17 P-25	.57	.525	
	C-8	5.123	FFR-1	"	"	"	"	"	"			12:05 P-25	2:24 P-26	.80	2.06	2:04 P-25	1.23	1.072	
	W-23	6.005	FFR-1	12:00 P-25	998	2.03	1.40	1.44	1.05			1:46 P-25	8:00 P-26	9	.35	11:29 A-26	1.21	.006	
Mar. 27	- -	- -	CFR-1	4:27 A-27	-	.02	-	-	-			No runoff					.02		
Mar. 28	C-5	1.412	CFR-1	6:42 A-28	53	.24	.43	.37	.29			6:55 A-28	1:03 P-28	.09	.07	7:18 A-28	.15		
	C-6	1.632	CFR-1	"	"	"	"	"	"			6:57 A-28	12:45 P-28	.27	.19	7:05 A-28	.07		
	C-7	1.790	CFR-1	"	"	"	"	"	"			6:57 A-28	12:27 P-28	.21	.15	7:09 A-28	.13		
	C-8	5.123	CFR-1	"	"	"	"	"	"			6:57 A-28	8:03 A-28	.02	.37	7:03 A-28	.22		
	W-23	6.005	FFR-1	6:36 A-28	58	.19	.56	.42	.28			No runoff					.19		
Mar. 29	C-5	1.412	CFR-1	2:43 P-28	21	.12	.06	.32	.16			3:00 P-28	7:30 P-28	.06	.05	3:21 P-28	.06	.038	
	C-6	1.632	CFR-1	"	"	"	"	"	"			2:52 P-28	12:32 A-29	.14	.13	3:07 P-28	-(.002)	.034	
	C-7	1.790	CFR-1	"	"	"	"	"	"			3:01 P-28	6:41 P-28	.07	.13	3:11 P-28	.05	.038	
	C-8	5.123	CFR-1	"	"	"	"	"	"			3:04 P-28	4:03 P-28	.02	.18	3:06 P-28	.10	.074	
	W-23	6.005	FFR-1	2:37 P-28	18	.13	.72	.39	.40			No runoff					.13	0	
Mar. 30	C-5	1.412	CFR-1	8:21 A-30	12.5	.60	1.13	.75	.52			11:31 P-30	1:04 A-31	.26	.19	11:54 P-30	.34		
	C-6	1.632	CFR-1	"	"	"	"	"	"			11:31 P-30	12:05 P-31	.21	.20	11:44 P-30	.29		
	C-7	1.790	CFR-1	"	"	"	"	"	"			11:31 P-30	12:31 P-31	.25	.20	11:49 P-30	.35		
	C-8	5.123	CFR-1	"	"	"	"	"	"			11:30 P-30	5:50 A-31	.09	.72	12:16 A-31	.51		
	W-23	6.005	FFR-1	8:29 A-30	126.5	.68	1.42	.81	.48			11:24 P-30	2:29 A-31	.42	.95	11:44 P-30	.67		
Apr. 1	C-5	1.412	CFR-1	12:27 A-1	433	.70	1.03	.65	.45			12:39 A-1	11:19 A-1	.36	.42	7:15 A-1	.34	.167	
	C-6	1.632	CFR-1	"	"	"	"	"	"			12:36 A-1	12:28 P-1	.72	.55	7:06 A-1	-(.02)	.157	
	C-7	1.790	CFR-1	"	"	"	"	"	"			12:46 A-1	12:31 P-1	.44	.61	7:26 A-1	.26	.126	
	C-8	5.123	CFR-1	"	"	"	"	"	"			12:37 A-1	8:27 A-1	.23	1.48	7:27 A-1	.47	.291	
	W-23	6.005	FFR-1	12:00 A-1	152	.73	.45	.34	.24			12:50 A-1	2:50 P-2	.06	.13	7:10 A-1	.50	0	
Apr. 4	- -	- -	CFR-1	1:50A	25	.03	.02	.02	.02			No runoff					.03		
Apr. 5	C	- -	CFR-1	8:30P	522	.25	.02	.02	.02			No runoff					.03		
	W-23	6.005	FFR-1	8:30 P-5	50	.04	.01	.01	.01			4:17 A-6	9:20 A-7	.13	.02	4:29 P-6	.02		
Apr. 6	C-5	1.412	CFR-1	9:51 A-6	510	.32	.08	.26	.17			4:35 P-6	8:45 P-6	.03	.02	4:40 P-6	.29	0	
	C-6	1.632	CFR-1	"	"	"	"	"	"			4:33 P-6	6:58 P-6	.02	.02	4:48 P-6	.30	0	
	C-7	1.790	CFR-1	"	"	"	"	"	"			4:37 P-6	7:17 P-6	.03	.02	4:49 P-6	.29	0	
	C-8	5.123	CFR-1	"	"	"	"	"	"			4:36 P-6	7:17 P-6	.03	.03	4:41 P-6	.30	0	
	W-23	6.005	FFR-1	10:40 A-6	530	.38	.52	.26	.17			Included under April 5 and 7					.30	0	
Apr. 7	C-5	1.412	FFR-1	6:01 A-7	1.05	.46	.48	.28	.28			1:53 A-8	8:28 A-8	.24	.10	12:28 A-8	.22	.121	
	C-6	1.632	FFR-1	"	"	"	"	"	"			1:52 A-7	7:01 A-8	.14	.22	12:15 A-8	.17	.126	
	C-7	1.790	FFR-1	"	"	"	"	"	"			1:44 A-7	8:44 A-8	.22	.22	12:44 A-8	.44	.125	
	C-8	5.123	FFR-1	"	"	"	"	"	"			1:48 A-7	7:02 A-8	.07	.34	12:11 A-8	.39	.062	
	W-23	6.005	FFR-1	6:01 A-7	1.05	.46	.48	.38	.28			8:20 A-7	8:27 A-12	.03	.02	12:15 A-8	.02	0	
Apr. 11	C	- -	CFR-1	11:10P	430	.04	.02	.06	.06			No runoff					.02	0	
	W-23	6.005	FFR-1	2:10 P-11	450	.04	.06	.05	.05			Included under Apr. 7 and 12					.02	0	

Form S. C. S.-843

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
DIVISION OF RESEARCH

Month _____ 19 35

Project Statesville, N. C.

RECORD OF SINGLE STORMS AND THEIR RUN-OFFS ON VARIOUS WATERSHEDS

Sheet 12 of _____ sheets

Date	Watershed: Name	Watershed: Area	Rainfall: Gage No.	Rainfall: Begins	Rainfall: Ends	Rainfall: Amount	Maximum Intensity: 5 minutes	Maximum Intensity: 30 minutes	Maximum Intensity: 1 hour	Temperature Index F: Maximum	Temperature Index F: Minimum	Runoff: Begins	Runoff: Ends	Runoff: Amount	Maximum Rate: Cu. ft. per sec.	Maximum Rate: Time	Rainfall Minus Runoff Inches	Soil Loss Tons per acre	Condition of Watershed
1	2	3	4	5	6	7	8	9	10	11		12	13	14	15	16	17	18	19
Apr. 12	C-5	1.412	CPR-1	7:05 P-12	30	.15	.60	.34	.22			7:03 P-12	8:31 P-12	.02	.03	7:08 P-12	.13	.002	
	C-6	1.632	CPR-1	•	•	•	•	•	•			7:11 P-12	12:41 A-13	Trace	Trace	-	.15	.002	
	C-7	1.796	CPR-1	•	•	•	•	•	•			7:17 P-12	12:58 A-13	.02	.01	7:20 P-12	.13	.002	
	C-8	5.123	CPR-1	•	•							7:07 P-12	2:35 A-13	.01	.03	7:10 P-12	.14	.015	
	W-23	6.005	FFR-1	5:21 P-12	140	.10	.30	.24	.15			8:17 A-12	7:37 A-15	.17	.01	8:17 A-12	.07	0	
Apr. 18	- -	- -	FFR-1	4:13P	45	.03	.06	.05	.04					No runoff			.03	0	
19	- -	- -	CPR-1	6:30A	52	.03	.02	.02	.02					No runoff			.03	0	
20	- -	- -	CPR-1	Indef.	Indef.	.01	Indef.	-	-					No runoff			.01	0	
20	C-5	1.412	FFR-1	6:26 P-20	1430	2.10	1.08	.83	.63			2:16 A-21	7:21 P-21	.55	.13	3:46 A-21	1.55	.046	
	C-6	1.632	FFR-1	•	•	•	•	•	•			2:21 A-21	9:47 A-22	1.22	.26	5:37 A-21	.66	.034	
	C-7	1.796	FFR-1	•	•	•	•	•	•			2:20 A-21	2:50 P-21	.38	.30	5:45 A-21	1.22	.066	
	C-8	5.123	FFR-1	•	•	•	•	•	•			11:22 A-21	1:49 P-21	.02	.09	11:42 A-21	2.08	.007	
	W-23	6.005	FFR-1	6:26 P-20	1430	2.10	1.08	.83	.63			7:22 P-20	5:00 A-24	.44	.10	3:22 A-21	1.66	0	
Apr. 28	- -	- -	CPR-1	Indef.	Indef.	.01								No runoff			.01		
Apr. 29	- -	- -	CPR-1	9:30P	43	.09	.46	.25	.15					No runoff			.09		
May 5-6	- -	- -	CPR-1	Indef.	Indef.	.02	-	-	-					No runoff			.02		
May 6-7	- -	- -	CPR-1	8:42P	390	.25	1.03	.57	.34					No runoff			.25		
May 10	- -	- -	CPR-1	1:25P	63	.15	.36	.24	.19					No runoff			.15		
May 12-13	- -	- -	CPR-1	2:57 P-12	763	.26	.84	.48	.25					No runoff			.26		
May 13	- -	- -	CPR-1	2:04P	55	.02	.12	.06	.01					No runoff			.02		
13	- -	- -	CPR-1	7:30P	25	.02	.09	.05	.04					No runoff			.02		
14	- -	- -	CPR-1	2:34P	42	.18	1.08	.68	.24					No runoff			.18		
May 15-17	C-5	1.412	CPR-1	9:05 P-15	2180	.40	.42	.42	.41			6:32 A-16	9:30 A-16	.03	.02	6:33	.37	.007	
	C-6	1.632	CPR-1	•	•	•	•	•	•			2:40 P-14	9:42 A-16	.02	.01	6:45 A-16	.39	.004	
	C-7	1.796	CPR-1	•	•	•	•	•	•			6:36 A-16	9:01 A-16	.02	.03	6:45 A-16	.38	.007	
	C-8	5.123	CPR-1	•	•	•	•	•	•					No runoff			.40	0	
	W-23	6.005	FFR-1	1:54 A-16	1950	.38	.68	.52	.39			6:38 A-16	11:45 A-16	.01	.01	6:55 A-16	.37	0	
May 20	C-5	1.412	CPR-1	7:50 A-20	1140	.90	.76	.57	.54			8:44 A-20	7:49 A-21	.27	.07	9:14 A-20	.63	.012	
	C-6	1.632	CPR-1	•	•	•	•	•	•			8:39 A-20	9:51 A-21	.31	.13	9:01 A-20	.59	.024	
	C-7	1.796	CPR-1	•	•	•	•	•	•			8:47 A-20	12:23 P-21	.19	.10	9:00 A-20	.71	.024	
	C-8	5.123	CPR-1	•	•	•	•	•	•			Indef. A-24	Indef.	Trace	-	-	.90	.001	
	W-23	6.005	FFR-1	7:50 A-20	1140	.87	.80	.59	.56			8:45 A-20	12:52 A-21	.05	.04	9:00 A-20	.82	.002	
May 24	- -	- -	CPR-1	8:33A	405	.28	.36	.32	.24					No runoff			.28		
June 1	- -	- -	CPR-1	5:18P	13	.12	.14	.08	.04					No runoff			.12		
4-5	- -	- -	CPR-1	10:58A	1325	.14	.24	.16	.09					No runoff			.14		
June 8	- -	- -	CPR-1	6:29	17	.03	.18	.15	.08					No runoff			.03		
12	- -	- -	CPR-1	6:29	10	.01	.12	.08	.04					No runoff			.01		
16	- -	- -	CPR-1	2:04P	5	.07	.72	.24	.12					No runoff			.07		
17	- -	- -	CPR-1	5:58P	30	.17	1.32	.60	.38					No runoff			.17		
18	- -	- -	CPR-1	9:32P	212	.25	.48	.24	.18					No runoff			.25		
22	- -	- -	CPR-1	2:04	115	.23	.84	.52	.30					No runoff			.23		
July 2	- -	- -	CPR-1	5:13P	340	.24	.34	.26	.14					No runoff			.24		
4-5	- -	- -	CPR-1	5:18P	755	.29	.48	.32	.19								.29		
5	- -	- -	CPR-1	12:28A	93	.10	.29	.20	.14					No runoff			.10		
6	C-5	1.412	CPR-1	12:42P	20	.08	.63	.26	.14					No runoff			.08		
8	- -	- -	CPR-1	2:20A	22	.12	.72	.44	.24					No runoff			.12		
July 8-9	C-5	1.412	FFR-1	9:52 P-8	660	1.70	4.20	3.38	2.06			10:20 P-8	9:52 A-9	.55	1.11	12:38 P-8	1.15	.380	
	C-6	1.637	FFR-1	•	•	•	•	•	•			10:09 P-8	9:02 A-9	1.01	1.43	10:24 P-8	.69	.135	
	C-7	1.796	FFR-1	•	•	•	•	•	•			10:12 P-8	9:02 A-9	.80	1.05	10:24 P-8	1.12	.322	
	C-8	5.123	FFR-1	•	•	•	•	•	•			10:12 P-8	5:32 A-9	.59	9.60	10:22 P-8	1.11	5.547	
	W-23	6.005	FFR-1	9:52 P-8	660	1.89	4.20	3.96	2.66			10:15 P-8	3:03 A-9	.04	.38	10:21 P-8	1.85	.001	

Form S. C. S.-[illegible]

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
DIVISION OF RESEARCH

Month [illegible] 25

Project [illegible]

RECORD OF SINGLE STORMS AND THEIR RUN-OFFS ON VARIOUS WATERSHEDS

Sheet 13 of [illegible] sheets

Date	Watershed	Area	Rainfall	Begin Date	Duration	Amount	Maximum Intensity			Temperature	Runoff	Begin Date	End Date	Amount	Maximum Rate		Runoff Minus Rainfall	Runoff Per Inch	Comments on Watershed
							15 Minutes Inches per hour	30 Minutes Inches per hour	Maximum Inches per hour	Maximum Minimum					On Rise	Time			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
July 10	C-5	1.412	FFR-1	7:55 P-10	347	1.35	1.50	.64	1.50		8:24 P-10	4:49 A-11	.57	.82	8:52 P-10	.38	.323	
	C-6	1.637	FFR-1	"	"	"	"	"	"		8:10 P-10	8:00 A-11	1.07	1.05	8:17 P-10	.43	.240	
	C-7	1.796	FFR-1	"	"	"	"	"	"		8:13 P-10	7:00 A-11	.94	.77	8:42 P-10	.93	.290	
	C-8	5.123	FFR-1	"	"	"	"	"	"		8:24 P-10	9:43 P-10	.86	5.10	8:38 P-10	.09	8.176	
	W-23	6.005	FFR-1	7:59 P-10	347	1.72	2.01	1.79	1.72		8:26 P-10	7:32 A-11	.09	.38	8:49 P-10	1.62	0	
July 14	C-5	1.412	FFR-1	6:13 A-14	115	2.53	4.56	3.92	3.62		6:23 A-14	12:54 P-14	.87	3.55	6:50 A-14	.66		
	C-6	1.637	FFR-1	"	"	"	"	"	"		6:24 A-14	2:25 P-14	.02	3.08	7:02 A-14	.53		
	C-7	1.796	FFR-1	"	"	"	"	"	"		6:20 A-14	2:45 P-14	1.60	2.81	7:07 A-14	.90		
	C-8	5.123	FFR-1	"	"	"	"	"	"		6:22 A-14	8:00 A-14	1.81	18.83	6:40 A-14	.72		
	W-23	6.005	FFR-1	6:15 A-14	115	2.13	3.84	3.32	2.56		6:48 A-14	12:56 P-14	.07	.32	6:59 A-14	2.06		
July 14	C-5	1.412	FFR-1	10:40 P-14	68	.11	.96	.40	.20		10:43 P-14	12:58 A-15	.01	.01	10:49 P-14	.13	1.060	
	C-6	1.637	FFR-1	"	"						10:51 P-14	7:29 A-15	.06	.03	10:54 P-14	.08	.732	
	C-7	1.796	FFR-1	"	"						10:09 P-14	12:59 A-15	.01	.01	10:11 P-14	.13	.700	
	C-8	5.123	FFR-1	"	"						10:52 P-14	12:30 A-15	.03	1.66	10:53 P-14	.11	9.354	
	W-23	6.005	FFR-1	10:40 P-14	68	.22	1.42	.64	.22		10:56 P-14	12:31 A-15	Trace	.02	11:01 P-14	.22	.001	
July 16	C-5	1.412	CPR-1	7:51 P-16	30	.35	1.44	.84	.52		7:54 P-16	1:00 A-17	.10	.05	7:58 P-16	.19	.038	
	C-6	1.637	CPR-1	"	"	"	"	"	"		7:58 P-16	2:02 A-17	.20	.13	8:09 P-16	.15	.140	
	C-7	1.796	CPR-1	"	"	"	"	"	"		7:58 P-16	1:37 A-17	.06	.05	8:27 P-16	.29	.029	
	C-8	5.123	CPR-1	"	"	"	"	"	"		7:56 P-16	8:31 A-17	.11	4.11	7:58 P-16	.24	.768	
	W-23	6.005	FFR-1	8:10 P-16	40	.07	.36	.26	.14		No runoff					.07	0	
July 17	C-5	- -	- -	8:45A	300	.35	.12	.29	.25		No runoff					.35		
July 18	C-5	1.412	CPR-1	5:47 A-18	53	1.12	3.36	2.56	1.90		5:50 A-18	12:43 P-18	.61	1.31	6:20 A-18	.51	.299	
	C-6	1.637	CPR-1	"	"	"	"	"	"		5:49 A-18	1:14 P-18	.35	.99	6:49 A-18	.27	.150	
	C-7	1.796	CPR-1	"	"	"	"	"	"		5:49 A-18	1:01 P-18	.79	.83	6:18 A-18	.33	.262	
	C-8	5.123	CPR-1	"	"	"	"	"	"		5:50 A-18	6:47 A-18	.63	10.78	6:09 A-18	.49	3.363	
	W-23	6.005	FFR-1	5:41 A-18	53	1.27	3.72	3.01	2.30		5:59 A-18	11:31 A-18	.05	.32	6:12 A-18	1.22	.001	
July 18	- -	- -	CPR-1	1:00P	235	.09	.38	.18	.11		No runoff					.09		
July 21	C-5	1.412	FFR-1	1:31 P-21	1470	1.40	1.20	.74	.70		5:36 A-22	3:28 P-22	.52	.34	6:33 A-22	.88	.094	
	C-6	1.637	FFR-1	"	"	"	"	"	"		5:30 A-22	7:40 P-22	.87	.26	6:41 A-22	.53	.079	
	C-7	1.796	FFR-1	"	"	"	"	"	"		5:05 A-22	6:45 A-22	.80	.26	6:40 A-22	.60	.085	
	C-8	5.123	FFR-1	"	"	"	"	"	"		5:32 A-22	10:29 A-22	.32	1.57	6:08 A-22	1.08	1.502	
	W-23	6.005	FFR-1	1:31 P-21	1470	1.48	1.20	.74	.70		5:33 A-22	12:03 P-23	.18	.16	9:48 A-22	1.30	0	
July 23	- -	- -	FFR-1	6:10P	295	.30	.16	.36	.24		No runoff					.30		
26	- -	- -	FFR-1	9:12P	45	.19	.06	.32	.16		No runoff					.19		
28	C-5	1.412	FFR-1	9:47P	32	.18	1.36	.61	.32		No runoff					.18		
	C-6	1.637	FFR-1	"	"	"	"	"	"		No runoff					.18		
	C-7	1.796	FFR-1	"	"	"	"	"	"		No runoff					.18		
	C-8	5.123	FFR-1	"	"	"	"	"	"		9:32P	10:00P	.01	.34	9:33 P-28	.17		
	W-23	6.005	FFR-1	9:00 P-28	20	.04	.17	.12	.08		No runoff					.04		
29	- -	- -	FFR-1	11:45P	10	.01	.02	.02	.02		No runoff					.01		
Aug. 4	- -	- -	CPR-1	1:45P	19	.27	1.22	.80	.52		No runoff					.27		
7	- -	- -	CPR-1	1:45P	[illegible]	.23	.84	[illegible]	.22		No runoff					.23		
11	C-5	1.412	CPR-1	1:15A	53	.43	1.52	1.47	.86		1:35A	2:48A	.03	.05	1:38A	.6	.014	
	C-6	1.637	CPR-1	"	"	"	"	"	"		1:32A	2:07A	.02	.02	1:35A	.8	.006	
	C-7	1.796	CPR-1	"	"	"	"	"	"		1:28A	5:55A	Trace	Trace		.9	.003	
	C-8	5.123	CPR-1	"	"	"	"	"	"		No runoff					.3	0	
	W-23	6.005	FFR-1	1:25A	70	.50	2.10	1.42	.97		1:45A	1:55A	Trace	.01	1:50A	.50	0	

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
DIVISION OF RESEARCH

Month 1935

Project Santa Rosa, N. M.

RECORD OF SINGLE STORMS AND THEIR RUN-OFFS ON VARIOUS WATERSHEDS

Sheet 14 of sheets

Date	Watershed			Rainfall																				
	Number	Area Acres	Type No.	Begins Time	Ends Time	Amount Inches	Maximum Intensity: Inches per hour	Maximum Intensity: Inches per hour	Maximum Intensity: Inches per hour	Maximum Minutes	Begins Time	Ends Time	Amount Inches	Maximum Rate: Cu. ft. per sec.	Maximum Rate: Time	Rainfall Minus Run-off Inches	Run-off Inches per hour	Conservation Watershed
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Aug. 11	- - - -		CPR-1	12:45P	Indef.	.01	-	-	-				No runoff			.01		
18	- - - -		CPR-1	6:32P	11:20	.48	.24	.39	.21				No runoff			.28		
20	- - - -		CPR-1	Indef.	Indef.	.12	-	-	-				No runoff			.02		
20	- - - -		CPR-1	2:50P	13	.16	.84	.60	.30				No runoff			.10		
28	- - - -		CPR-1	1:42A	1935	.42	.26	.21	.12				No runoff			.22		
Sept. 1	- - - -		CPR-1	2:55A	3:5	.48	.36	.32	.21				No runoff			.48		
Sept. 3	C-5	1.412	CPR-1	8:31 P-3	2805	2.04	1.80	.62	.38		1:20 A-4	1:28 A-6	.45	.07	5:03 P-5	1.59	.054	
	C-6	1.637	CPR-1	•	•	•	•	•	•		3:46 A-4	3:45 A-6	[illegible]	.13	4:45 P-5	.70	.042	
	C-7	1.796	CPR-1	•	•	•	•	•	•		5:12 A-4	7:30 A-6	1.00	.13	4:10 P-5	.98	.026	
	C-8	5.123	CPR-1	•	•	•	•	•	•		Indef. A-3	Indef. P-5	Trace	.06	6:50 P-4	2.04	.030	
	W-23	6.005	FFR-1	9:48 A-3	2625	2.06	1.44	.80	.34		6:43 P-4	1:31 A-6	.03	.04	3:45 P-5	2.03	.001	
Sept. 9	- - - -		FFR-1	2:10P	920	.30	.24	.15	.10				No runoff			.30		
10	- - - -		CPR-1	9:24A	165	.02	.02	.02	.02				No runoff			.02		
11	- - - -		CPR-1	11:12P	105	.02	.01	.01	.01				No runoff			.02		
27	- - - -		FFR-1	2:50P	60	.01	.01	.01	.01				No runoff			.01		
Oct. 14	- - - -		CPR-1	11:32P	240	.34	.36	.24	.20				No runoff			.34		
21	- - - -		CPR-1	3:20A	390	.10	.06	.05	.04				No runoff			.10		
23	- - - -		CPR-1	6:00P	450	.13	.24	.22	.18				No runoff			.13		
28	C-5	1.412	CPR-1	8:38 P-29	435	1.49	2.88	1.20	.74		11:28 P-28	8:25 P-29	.21	.10	11:31 P-28	1.28	.043	
	C-6	1.637	CPR-1	•	•	•	•	•	•		11:28 P-28	12:22 P-29	.54	.26	11:59 A-29	.95	.036	
	C-7	1.796	CPR-1	•	•	•	•	•	•		11:31 P-28	12:42 P-29	.47	.16	11:57 P-28	1.02	.031	
	C-8	5.123	CPR-1	•	•	•	•	•	•		Indef.	Indef.	Indef.	Indef.	Indef.	1.49	.002	
	W-23	6.005	FFR-1	8:28 P-28	450	1.48	2.64	1.43	1.16		12:10 A-29	5:44 A-29	Trace	Trace	Indef.	1.48	0	
Nov. 2	- - - -		CPR-1	Indef.	Indef.	.01	-	-	-				No runoff			.01		
Nov. 7	C-5	1.412	FFR-1	2:31 A-7	685	1.75	1.85	1.08	.69		4:25 A-7	6:50 P-7	.40	.10	6:20 A-7	1.35	.032	
	C-6	1.637	FFR-1	•	•	•	•	•	•		4:28 A-7	6:42 A-8	1.29	.22	6:22 A-7	.46	.060	
	C-7	1.796	FFR-1	•	•	•	•	•	•		4:31 A-7	12:56 A-8	.83	.16	11:36 A-7	.92	.038	
	C-8	5.123	FFR-1	•	•	•	•	•	•		Indef.	Indef.	Indef.	Indef.	Indef.	1.36	.015	
	W-23	6.005	FFR-1	2:31 A-7	685	1.86	1.85	1.08	.69		6:21 A-7	4:55 P-7	.02	.03	6:20 A-7	1.83	0	
Nov. 11	C-5	1.412	CPR-1	6:09 A-11	364	.37	.52	.27	.20		7:45 A-11	9:17 A-11	.01	.01	7:48 A-11	.36		
	C-6	1.637	CPR-1	•	•						7:43 A-11	11:47 P-11	.23	.03	7:48 A-11	.14		
	C-7	1.796	CPR-1	•	•						7:45 A-11	8:50 P-11	.08	.02	9:50 A-11	.29		
	C-8	5.123	CPR-1	•	•								No runoff			.37		
	W-23	6.005	FFR-1	6:04A	362	.36	.45	.28	.15		Indef.	Indef.	Indef.	Indef.	Indef.	.26		
Nov. 12	- - - -		CPR-1	7:14A	50	.02	.03	.03	.02				No runoff			.02		
Nov. 12-13	C-5	1.412	CPR-1	7:55 P-12	375	1.36	2.88	2.09	1.22		8:24 P-12	7:32 A-13	.69	.02	1:54 A-13	.67	.064	
	C-6	1.637	CPR-1	•	•	•	•	•	•		8:22 P-12	11:32 A-13	1.22	.26	1:20 A-13	.44	.080	
	C-7	1.796	CPR-1	•	•	•	•	•	•		8:23 P-12	12:32 P-13	1.13	.52	1:25 A-13	.33	.064	
	C-8	5.123	CPR-1	•	•	•	•	•	•		1:20 A-13	2:35 A-13	.09	1.40	1:20 A-12	1.29	.101	
	W-23	6.005	FFR-1	7:56 P-12	170	1.29	2.52	1.86	1.17		1:14 A-13	8:15 A-13	.04	.10	1:39 A-13	1.22	.001	
Nov. 16	C-5	1.412	CPR-1	9:[illegible]	[illegible]	.14	.12	.07	.07				No runoff			.12		
20	C-5	1.412	CPR-1	[illegible]	5[illegible]	.43	.16	.19	.13				No runoff			.43		
Dec. 8	- - - -		CPR-1	2:30P	620	.20	.44	.16	.12				No runoff			.20		
12	C		CPR-1	3:42P	1130	.20	.20	.17	.10				No runoff			- -		
12	W-23	6.005	FFR-1	1:57 P-12	750	.80	.16	.10	.15		7:55 P-12	9:00 A-13	.02	.12	5:00 A-13	.80		
13	- - - -		CPR-1	11:00P	1470	.12	.02	.02	.02				No runoff			.12		
22	- - - -		CPR-1	12:[illegible]	175	.07	[illegible]	[illegible]	[illegible]				No runoff			.07		
28	- - - -		FFR-1	8:17	800	.80	.13	[illegible]	[illegible]				No runoff			.80		

Form S. C. S-[illegible]

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
DIVISION OF RESEARCH

RECORD OF SINGLE STORMS AND THEIR RUN-OFFS ON VARIOUS WATERSHEDS

Project [illegible]

Month [illegible] 36

Sheet 15 of [illegible] sheets

Date	Watershed: Number	Watershed: Area acres	Rainfall: Gage No.	Rainfall: Begin	Rainfall: End	Rainfall: Amount	Rainfall: Maximum intensity 30 min.	Rainfall: Maximum intensity 60 min.	Rainfall: Maximum intensity 120 min.	Temperature (Note 7): Yesterday	Temperature (Note 7): Maximum	Runoff: Begin	Runoff: End	Runoff: Amount	Runoff: Maximum Rate: Cu. ft. per sec.	Runoff: Maximum Rate: Time	Rainfall Month Antecedent Amount	Rainfall Year Antecedent Amount	Conditions of Watershed
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Jan. 1-3	C5	1.412	OFR-1	7:30 F-31	2010	3.50	1.28	1.10	0.68	42.5	19.5	4:06 F-2	2:15 F-3	4.59	0.61	10:46 F-2	- 1.05	None	Watersheds C5, C6 and C7 terraced. Lespedeza land
	C6	1.632	"	"	"	"	"	"	"	"	"	10:25 A-2	9:25 F-2	4.29	0.51	9:05 F-2	- 0.45	"	broken up No. 20- Dec. [illegible] 1935.
	C7	1.796	"	"	"	"	"	"	"	"	"	12:50 F-2	12:35 A-4	5.10	0.60	10:50 F-2	- 1.56	"	disked March 2. Oats and lespedeza sowed March [illegible]. Oats harvested June 15. In pat grass,
	C8	5.123	"	"	"	"	"	"	"	"	"	Indef. A-2	11:[illegible] A-0	0.78	0.66	Indef. A-2	2.76	"	bluegrass and lespedeza the remainder of the year. Watershed C8
	W23	6.005	FFR-1	7:21 F-31	2120	3.54	1.08	0.60	0.56	"	"	4:32 F-2	9:09 A-0	2.55	0.74	10:17 F-2	0.95		uncultivated. Sown to rye and vetch Oct. 12, 1935. Plowed
Jan. 4	--	--	OFR-1	3:30 F	120	0.22	0.20	0.20	0.16	57.3	15.7	Combined w	ith storm of Jan. 1-3.				0.22	None	May 1. Disked May 28. Soybeans
Jan. 6	C5	1.412	OFR-1	3:33 A-0	583	1.[illegible]	0.96	0.60	0.42	52.0	19.5	10:23 A-0	8:[illegible] F-0	0.17	0.03	10:38 A-0	1.27	0.067	planted June 3-4. Cultivated June 19 and 29. Harvested Oct.
	C6	1.632	"	"	"	"	"	"	"	"	"	10:26 A-0	9:51 F-0	0.43	0.10	11:36 A-0	1.01	0.035	1. Plowed and disked Oct. 23-24. Oats drilled Oct.
	C7	1.796	"	"	"	"	"	"	"	"	"	No registration - pen failed to ink					--	0.064	24. Watershed W-23 wooded.
	C8	5.123	"	"	"	"	"	"	"	"	"	Combined with rains of Jan. 1-3.					1.[illegible]	0.147	
	W23	6.005	FFR-1	3:33 A-0	560	1.42	0.80	0.64	0.40	"	"	"	"	"	"	"	1.[illegible]	0.011	
Jan. 8-9	C5	1.412	OFR-1	5:47 A-8	1700	0.54	0.33	0.28	0.21	55.2	32.8	Indefinite		None	Trace	Indef.	0.84	None	
	C6	1.632	"	"	"	"	"	"	"	"	"	"		"	"	"	"	"	
	C7	1.796	"	"	"	"	"	"	"	"	"	"		"	"	"	"	"	
	C8	5.123	"	"	"	"	"	"	"	"	"	"		"	0.06	"	"	0.094	
	W23	6.005	FFR-1	5:00 A-8	1795	0.82	0.42	0.29	0.22	"	"	Combined with rains of Jan. 1-3.					0.82	None	
Jan. 15	C	--	OFR-1	5:32A	545	0.19	0.56	0.20	0.12	50.5	23.0	No runoff					0.19	None	
	W23	6.005	FFR-1	6:00A	530	0.13	0.20	0.21	0.14	"	"	3:15A	3:45F	0.01	0.01	10:00A	0.42	"	
Jan. 18-19	C5	1.412	OFR-1	9:47 A-16	1415	3.10	2.61	1.60	0.86	55.8	30.2	10:36 P-18	2:27 P-19	0.47	0.13	7:43 A-19	2.63	0.053	
	C6	1.632	"	"	"	"	"	"	"	"	"	8:43 P-18	4:50 P-19	1.11	0.22	6:50 A-19	1.99	0.004	
	C7	1.796	"	"	"	"	"	"	"	"	"	9:50 P-18	3:33 P-19	0.72	0.19	7:55 A-19	2.38	0.054	
	C8	5.123	"	"	"	"	"	"	"	"	"	8:04 P-18	12:27 P-19	0.77	0.51	7:26 A-19	2.33	0.145	
	W23	6.005	FFR-1	9:40 A-18	1457	3.03	1.14	0.62	0.50	"	"	11:06 A-18	6:56 P-20	1.59	0.80	2:20 A-19	1.53	None	
Jan. 25	--	--	OFR-1	7:12 F	120	0.07	0.06	0.06	0.06	34.2	11.5	No runoff					0.07	None	Snow
Jan. 29	--	--	OFR-1	9:32F	795	0.21	0.04	0.04	0.03	35.1	11.8	No runoff					0.21	None	
Feb. 2-3	--	--	OFR-1	5:27 A-2	1455	0.32	0.04	0.04	0.04	37.0	7.5	No runoff					0.32	None	Snow
Feb. 3-4	C5	1.412	OFR-1	4:54 P-3	1105	1.40	0.56	0.34	0.25	35.3	31.2	Full box but no readings					--	0.006	Rain on snow
	C6	1.632	"	"	"	"	"	"	"	"	"	1:51 A-4	11:11 F-4	0.59	0.07	10:41 A-4	0.81	0.012	
	C7	1.796	"	"	"	"	"	"	"	"	"	9:15 F-3	1:54 F-4	0.37	0.07	10:54 F-3	1.03	0.004	
	C8	5.123	"	"	"	"	"	"	"	"	"			0.55			--	1.972	
	W23	6.005	FFR-1	5:02 F-3	1110	1.37	0.72	0.35	0.25	"	"	12:27 F-4	5:31 F-7	0.32	0.12	1:02 F-4	1.05	None	
Feb. 6-7	--	--	OFR	6:06P	635	0.73	0.21	0.21	0.21	40.4	23.2	No runoff					0.73	None	
Feb. 8-9	--	--	OFR-1	11:00P	660	0.23	0.14	0.11	0.10	44.3	10.0	No runoff					0.23	None	
Feb. 13	C5	1.412	"	8:51 A-13	815	1.24	0.72	0.50	0.16	42.5	18.1	6:33 F-13	5:18 A-14	0.04	0.01	7:03 F-13	1.20	0.005	
	C6	1.632	"	"	"	"	"	"	"	"	"	6:05 F-13	9:49 F-14	0.32	0.10	10:56 F-13	0.92	0.004	
	C7	1.796	"	"	"	"	"	"	"	"	"	6:33 F-13	11:45 A-14	0.75	0.16	7:01 F-13	0.49	0.016	
	C8	5.123	"	"	"	"	"	"	"	"	"			0.10			--	0.011	
	W23	6.005	FFR-1	8:48 A-14	822	1.28	0.65	0.50	0.49	"	"			0.19			--	0.023	
Feb. 17-18	--	--	OFR-1	7:15P	807	0.38	0.35	0.18	0.11	59.0	28.8	No runoff						None	
	W23	6.005	FFR-1	6:40 P-17	860	0.32	0.42	0.18	0.10	"	"	2:15 A-18	8:00 A-18	0.01	0.01	4:15 A-18	0.38	None	
Feb. 20-21	--	--	OFR-1	3:04	1815	0.18	0.04	0.04	0.04	43.5	22.5	No runoff					0.18	None	Snow
Feb. 27	--	--	OFR-1	9:10A	165	0.14	0.12	0.12	0.09	72.1	44.5	No runoff					0.14	None	
Mar. 2	C5	1.412	OFR-1	6:56P	850	0.30	0.24	0.19	0.14	62.5	33.3	No runoff					0.30	None	
Mar. 5	--	--	"	5:20A	195	0.22	0.24	0.17	0.15	50.4	46.3	No runoff					0.22	None	
Mar. 12-13	C5	1.412	OFR-1	9:56 A-12	855	1.05	0.24	0.16	0.14	71.9	36.2	11:32 P-10	9:05 A-11	0.02	0.01	11:32 P-10	1.03	0.002	
	C6	1.632	"	"	"	"	"	"	"	"	"	5:57 P-10	9:56 A-11	0.21	0.03	11:17 P-10	0.84	0.010	
	C7	1.796	"	"	"	"	"	"	"	"	"	5:09 P-10	7:12 A-11	0.17	0.01	11:54 P-10	0.88	0.013	
	C8	5.123	"	"	"	"	"	"	"	"	"	No readings		0.04 (in box)			1.05	0.001	
	W23	6.005	FFR-1	10:0[illegible] A-12	[illegible]	1.03	0.72	0.32	0.22	"	"	4:18 P-10	7:17 A-11	0.01	0.01	5:12 P-10	1.02	None	
Mar. 16-17	C5	1.412	OFR-1	5:43 P-16	1955	2.15	1.92	0.54	0.60	54.2	44.0	11:37 P-16	7:30 A-17	1.00	0.30	11:27 A-17	1.15	0.092	Rain and snow
	C6	1.632	"	"	"	"	"	"	"	"	"	11:37 P-16	6:15 A-18	1.[illegible]	0.[illegible]	11:36 A-17	0.75	0.112	
	C7	1.796	"	"	"	"	"	"	"	"	"	11:38 P-16	11:23 A-18	1.09	0.38	11:38 A-17	1.06	0.130	
	C8	5.123	"	"	"	"	"	"	"	"	"	11:3[illegible] P-16	9:50 P-17	0.17	0.27	11:20 A-17	1.98	0.[illegible]	

Date	Station	Area	Gage	Time	Rainfall	Max. 1 hr.	Max. 6 hrs.	Max. 24 hrs.	Runoff	Time	Peak	Time	Max. 1 hr.	Max. 6 hrs.	Max. 24 hrs.	Runoff	Remarks
Mar. 16-17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	11:34 P-12	2:45 P-23	0.78	0.12	3:29 P-17	1.45	None	[illegible]
Mar. 20	C5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.21	0.21	0.1[illegible]	[illegible]	32.0	12:47 P-20	9:57 P-20	0.05	0.05	2:05 P-20	0.44	0.020
	C6	1.632	•	•	•	•	•	•	•	•	•	12:33 P-20	2:38 A-21	0.35	0.10	2:10 P-20	0.24	0.018
	C7	1.796	•	•	•	•	•	•	•	•	•	12:51 P-20	9:51 P-20	0.18	0.10	1:50 P-20	0.41	0.015
	C8	5.123	•	•	•	•	•	•	•	•	•	12:[illegible] P-20	7:01 P-20	0.[illegible]	0.08	2:11 P-20	0.30	0.026
	W23	6.005	FFR-1	10:45 A-20	60	0.54	0.43	0.27	0.20	•	•	Combined with		rm of March 16-17.			0.54	0.006
Mar. 24	C5	1.412	CFR-1	3:33 P-24	90	0.55	2.40	1.36	0.83	65.4	41.7	3:37 P-24	8:00 P-24	0.17	0.22	3:59 P-24	0.38	0.173
	C6	1.632	•	•	•	•	•	•	•	•	•	3:42 P-24	7:18 A-25	0.41	0.26	4:33 P-24	0.11	0.066
	C7	1.796	•	•	•	•	•	•	•	•	•	3:41 P-24	1:04 A-25	0.29	0.22	3:51 P-24	0.26	0.117
	C8	5.123	•	•	•	•	•	•	•	•	•	3:39 P-24	4:50 P-24	0.06	0.92	3:42 P-24	0.49	0.238
	W23	6.005	FFR-1	3:35 P-24	115	0.55	2.64	1.33	0.79	65.4	41.7	3:29 P-24	7:45 A-27	0.04	0.06	3:59 P-24	0.47	None
Mar. 26	C5	1.412	CFR-1	8:25 A-26	170	0.23	0.24	0.24	0.16	71.4	55.5	8:19 A-26	1:46 P-26	0.07	0.03	9:31 A-26	0.10	None
	C6	1.632	•	•	•	•	•	•	•	•	•	8:59 A-26	7:44 P-26	0.19	0.07	9:49 A-26	0.04	•
	C7	1.796	•	•	•	•	•	•	•	•	•	9:01 A-26	1:[illegible] P-26	0.07	0.05	9:08 A-26	0.16	•
	C8	5.123	•	•	•	•	•	•	•	•	•	8:38 A-26	10:13 A-26	0.01	0.06	9:03 A-26	0.22	•
	W23	6.005	FFR-1	8:26 A-26	200	0.15	0.23	0.22	0.10	•	•	Combined with storm of March 24.					0.15	•
Mar. 27-28	C5	1.412	CFR-1	1:18 P-27	660	1.62	1.68	1.13	0.92	62.0	12.4	2:19 P-27	7:16 A-28	0.94	0.55	3:23 P-27	0.68	0.436
	C6	1.632	•	•	•	•	•	•	•	•	•	2:18 P-27	7:44 A-28	1.57	1.17	3:43 P-27	0.05	0.266
	C7	1.796	•	•	•	•	•	•	•	•	•	2:19 P-27	7:30 A-28	1.08	1.11	3:46 P-27	0.54	0.432
	C8	5.123	•	•	•	•	•	•	•	•	•	2:17 P-27	12:29 A-28	0.26	1.08	3:44 P-27	1.36	0.605
	W23	6.005	FFR-1	1:15 P-27	656	1.63	1.50	1.07	0.98	•	•	2:18 P-27	4:10 P-30	0.76	0.22	10:18 P-27	0.87	0.004
Mar. 31	--	--	CFR-1	3:42P	87	0.21	0.84	0.52	0.40	79.1	51.3	Trace of runoff					0.21	Trace
Apr. 1-2	C5	1.412	CFR-1	5:01 P-1	915	1.53	2.18	1.60	1.09	85.0	45.5	2:48 A-2	12:15 P-2	0.65	0.93	5:28 A-2	0.84	0.784
	C6	1.632	•	•	•	•	•	•	•	•	•	2:45 A-2	12:55 P-2	1.02	1.50	5:24 A-2	0.51	0.470
	C7	1.796	•	•	•	•	•	•	•	•	•	2:47 A-2	12:37 P-2	0.83	1.43	5:26 A-2	0.70	0.666
	C8	5.123	•	•	•	•	•	•	•	•	•	2:49 A-2	8:47 A-2	0.27	3.62	5:25 A-2	1.26	0.140
	W23	6.005	FFR-1	5:22 P-1	910	1.53	2.04	1.53	1.00	•	•	9:01 P-1	11:58 A-3	0.30	0.22	5:36 A-2	1.23	0.001
Apr. 5-7	C5	1.412	CFR-1	7:22 A-5	2655	2.36	3.18	2.08	1.55	92.9	33.7	9:45 P-5	7:30 A-7	1.59	2.09	8:47 A-6	1.27	1.558
	C6	1.632	•	•	•	•	•	•	•	•	•	•	7:25 A-7	1.90	2.32	8:40 A-6	0.90	0.972
	C7	1.796	•	•	•	•	•	•	•	•	•	•	8:58 A-7	2.06	2.17	8:50 A-6	0.50	0.711
	C8	5.123	•	•	•	•	•	•	•	•	•	9:44 P-5	7:00 A-7	0.83	0.65	8:36 A-6	2.08	0.631
	W23	6.005	FFR-1	7:08 A-5	2650	2.85	3.24	1.92	1.62	•	•	9:36 P-5	11:13 A-8	1.11	0.68	8:31 A-6	1.74	None
Apr. 9-10	C5	1.412	CFR-1	7:02 A-9	650	0.91	0.72	0.53	0.40	54.6	40.0	10:42 A-9	9:15 P-9	0.44	0.34	12:29 P-9	0.47	0.152
	C6	1.632	•	•	•	•	•	•	•	•	•	11:55 A-9	7:38 P-9	0.57	0.42	12:28 P-9	0.31	0.112
	C7	1.796	•	•	•	•	•	•	•	•	•	12:23 P-9	8:13 P-9	0.45	0.42	12:31 P-9	0.16	0.097
	C8	5.123	•	•	•	•	•	•	•	•	•	9:43 A-9	5:28 P-9	0.18	0.93	12:21 P-9	1.73	None
	W23	6.005	FFR-1	6:42 A-9	1775	0.97	0.72	0.56	0.43	•	•	12:07 P-9	8:44 A-11	0.13	0.04	2:22 P-9	2.84	0.006
Apr. 22	--	--	CFR-1	11:42A	000	0.21	0.04	0.04	0.04	94.6	55.7	No runoff					0.21	None
Apr. 29	--	--	•	8:50P	50	0.08	0.14	0.10	0.08	18.5	57.8	•					0.250	None
May 3	--	--	CFR-1	3:31P	253	0.30	0.12	0.11	0.09	37.2	50.6	No runoff					0.300	None
May 6	--	--	CFR-1	5:29P	15	0.[illegible]	0.30	0.28	0.14	94.0	54.3	No runoff					0.070	•
May 13	--	--	WFR-1	3:50P	359	[illegible]	0.69	0.53	0.36	95.0	80.0	No runoff					0.27	None
May 19	•	--	CFR-1	3:31A	10	0.02	0.02	0.02	0.02	90.0	85.2	•	•				0.02	•
[illegible]	C5	[illegible]	FFR-1	[illegible]	135	0.5[illegible]	1.09	0.90	0.8[illegible]	[illegible]	[illegible]	5:47 P-4	6:25 P-4	0.01	0.[illegible]	5:50 P-4	0.[illegible]	0.011
	C6	1.632	•	•	•	•	•	•	•	•	•	No runoff					0.06	None
	C7	[illegible]	•	•	•	•	•	•	•	•	•	•	•				•	•
	C8	5.123	•	•	•	•	•	•	•	•	•	•	•				•	•
	W23	6.005	FFR-1	[illegible] P-4	63	0.43	1.20	0.40	0.21	•	•	•	•				0.13	•

Form G.C.-[illegible]

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
DIVISION OF RESEARCH

Month _____ 1936

Place: STATESVILLE, N. C. CAROLINA

RECORD OF SINGLE STORMS AND THEIR RUNOFFS ON VARIOUS WATERSHEDS

Sheet 17 of _____ Sheets

Date	Watershed No.	Area	Gage No.	Time	Depth	Average Depth	Max. Intensity 30 min.	Max. Intensity 60 min.	Max. Intensity 120 min.	Max. Intensity 180 min.	Antecedent Precipitation (Days)	Antecedent Precipitation (Inches)	Runoff Time	Runoff Depth	Max. Rate Time	Max. Rate Rate	Runoff Max. Rate Rate	Runoff Max. Rate Time	Remarks
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
June 7	C5	1.412	CFR-1	1:12 P-7	150	0.55	1.50	[illegible]	[illegible]	87.5	[illegible]	3:22 P-7	5:50 P-7	0.239	0.24	3:20 P-7	0.50	0.214	
	C6	1.632	"	"	"	"	"	"	"	"	"	3:27 P-7	5:15 P-7	0.010	0.01	3:21 P-7	0.38	0.013	
	C7	1.796	"	"	"	"	"	"	"	"	"	3:27 P-7	5:[illegible] P-7	0.010	0.01	3:37 P-7	0.38	0.008	
	C8	5.123	"	"	"	"	"	"	"	"	"				No runoff		0.39	None	
	W23	6.005	FFR-1	5:10 P-7	141	0.30	1.10	0.73	0.37	"	"				"		0.30	"	
June 8-9	--	--	FFR-1	3:57P	600	0.11	0.20	0.12	0.08	98.5	62.6				No runoff		0.11	None	
June 9-10	C5	1.412	CFR-1	1:12 P-9	1370	0.50	0.72	0.58	0.51	93.1	[illegible]	9:51 A-10	12:[illegible] P-10	0.30	0.34	9:55 A-10	0.50	None	
	C6	1.632	"	"	"	"	"	"	"	"	"	9:59 A-10	2:00 P-10	0.29	0.34	9:55 A-10	0.52	"	
	C7	1.796	"	"	"	"	"	"	"	"	"	9:00 A-10	3:00 P-10	0.31	0.35	10:01 A-10	0.49	"	
	C8	5.123	"	"	"	"	"	"	"	"	"				No runoff		0.80	"	
	W23	6.005	FFR-1	1:15 P-9	1372	0.54	1.13	0.74	0.55	"	"				"		0.54	"	
June 10	C5	1.412	CFR-1	6:11 P-10	265	1.13	3.42	1.95	1.14	83.0	67.0	6:23 P-10	9:24 P-10	0.61	1.43	7:09 P-10	0.52	0.828	
	C6	1.632	"	"	"	"	"	"	"	"	"	6:21 P-10	1:34 A-11	0.79	1.43	7:05 P-10	0.37	0.839	
	C7	1.796	"	"	"	"	"	"	"	"	"	6:21 P-10	2:00 A-11	0.74	1.50	7:24 P-10	0.39	0.731	
	C8	5.123	"	"	"	"	"	"	"	"	"	6:53 P-10	7:23 P-10	0.02	0.30	6:58 P-10	1.11	0.104	
	W23	6.005	FFR-1	6:11P	210	1.29	2.04	2.02	1.24	"	"	6:22 P-10	12:25 A-11	0.01	0.26	7:05 P-10	1.05	0.001	
June 12-13	--	--	CFR-1	8:15P	600	0.20	0.97	0.36	0.18	88.0	65.2	--	--	Trace	--	--	0.20	Trace	
June 23	C5	1.412	CFR-1	3:22 A-23	158	0.45	0.92	0.53	0.41	73.1	58.6	Indefinite		0.01	Indefinite		0.44	None	
	C6	1.632	"	"	"	"	"	"	"	"	"	"		Trace	"		0.45	"	
	C7	1.796	"	"	"	"	"	"	"	"	"	"		0.01	"		0.42	"	
	C8	5.123	"	"	"	"	"	"	"	"	"	"			No runoff		0.45	"	
	W23	6.005	FFR-1	2:30 A-23	210	0.41	0.90	0.55	0.37	"	"	--	--	Trace	Trace	--	0.44		
June 24	--	--	CFR-1	3:56A	93	0.30	0.40	0.36	0.30	62.1	54.2			"	Trace	--	0.30	Trace	
July 1	--	--	CFR-1	1:24P	141	0.05	0.24	0.12	0.06	103.6	70.0				No runoff		0.05	None	
July 2-3	--	--		1:33P	1257	0.22	0.60	0.15	0.14	101.1	68.5				"		0.250	"	
July 3	--	--	CFR-1	12:05P	85	0.15	0.72	0.[illegible]	0.25	97.5	68.8				No runoff		0.15	None	
July 5-6	--	--	CFR-1	12:57P	1062	0.22	0.24	0.24	0.22	94.9	64.5				"		0.22	"	
July 10-11	--	--	CFR-1	11:22P	135	0.10	0.24	0.16	0.10	103.5	65.6				"		0.10	"	
July 20	--	--	CFR-1	1:59A	575	0.38	0.67	0.46	0.42	90.0	60.3				No runoff		0.38	None	
July 21	C5	1.412	FFR-1	10:10A	207	0.34	0.55	0.41	0.38	98.0	66.2	Indefinite		0.01	Indefinite		0.33	0.004	
	others	--	"	"	"	"	"	"	"	"	"				No runoff		0.340	None	
July 23		Rain gages indefinite								92.9	62.7				"		--	"	
July 29-31	C5	1.412	CFR-1	12:37 P-29	2290	2.54	0.94	0.76	0.42	103.9	55.6	6:51 A-30	1:59 A-31	0.68	0.26	12:21 A-31	1.86	0.146	
	C6	1.632	"	"	"	"	"	"	"	"	"	6:53 A-30	9:33 A-31	1.02	0.28	12:20 A-30	1.52	0.150	
	C7	1.796	"	"	"	"	"	"	"	"	"	6:58 A-30	9:50 A-31	1.00	0.30	12:20 A-31	1.54	0.174	
	C8	5.123	"	"	"	"	"	"	"	"	"	1:31 P-30	3:22 A-31	0.01	0.03	2:10 P-30	2.55	0.003	
	W23	6.005	FFR-1	12:41 P-29	2.00	2.55	0.87	0.68	0.50	"	"	1:26 P-30	7:35 A-31	0.05	0.12	12:15 A-31	2.50	0.001	
Aug. 1		CFR Gage -- slight rain -- indefinite readings								72.1	57.5				No runoff		--	None	
Aug. 4	--	--	FFR-1	4:29P	68	0.04	0.17	0.12	0.07	93.8	68.0				"		0.04	"	
Aug. 6-7	C5	1.412	CFR-1	11:30 P-6	735	1.17	3.48	1.90	1.42	94.8	68.9	12:50 A-7	4:15 P-7	0.40	0.42	11:16 A-7	0.71	None	
	C6	1.632	"	"	"	"	"	"	"	"	"	10:44 A-7	3:47 P-7	0.51	0.38	11:13 A-7	0.60	"	
	C7	1.796	"	"	"	"	"	"	"	"	"	12:50 A-7	3:50 P-7	0.52	0.46	12:15 A-7	0.65	"	
	C8	5.123	"	"	"	"	"	"	"	"	"	10:48 A-7	11:13 A-7	0.00	0.03	10:53 A-7	1.17	"	
	W23	6.005	FFR-1	11:40 P-6	805	1.30	1.22	0.90	0.59	"	"	10:53 A-7	2:04 P-7	0.02	0.12	11:13 A-7	1.24	"	
Aug. 7-9	C5	1.412	CFR-1	3:21 P-8	1820	3.97	1.84	1.21	1.38	94.5	67.3	9:50 A-8	7:30 P-8	2.57	1.57	12:42 P-8	1.40	0.602	
	C6	1.632	"	"	"	"	"	"	"	"	"	9:45 A-8	9:32 P-8	2.65	1.80	12:44 P-8	1.32	0.490	
	C7	1.796	"	"	"	"	"	"	"	"	"	9:27 A-8	2:00 A-9	2.81	2.09	12:44 P-8	1.16	0.475	
	C8	5.123	"	"	"	"	"	"	"	"	"	10:47 A-8	1:27 P-8	0.31	1.00	12:42 P-8	3.00	0.520	
	W23	6.005	"	"	"	"	"	"	"	"	"	9:02 A-8	2:03 P-8	0.72	1.19	12:57 P-8	3.25	0.120	
Aug. 11	--	--	FFR-1	9:5A	170	0.17	0.30	0.20	0.19	96.3	67.1				No runoff		0.17	None	
Aug. 14	--	--	CFR-1	8:21P	32	0.02	0.05	0.05	0.04	90.1	65.6				"		0.02	"	
Aug. 16	C5	1.412	CFR-1	3:30 P-15	130	0.20	3.50	1.75	1.02	92.2	65.7	9:35 A-16	1:09 A-17	0.13	0.13	9:41 P-16	0.47	0.043	
	C6	1.632	"	"	"	"	"	"	"	"	"	9:36 A-16	1:35 A-17	0.13	0.13	9:43 P-16	0.47	0.042	

Form S. C. S.-[illegible]

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
DIVISION OF RESEARCH

Month _____ 19 36

Project STATESVILLE, NORTH CAROLINA

RECORD OF SINGLE STORMS AND THEIR RUN-OFFS ON VARIOUS WATERSHEDS

Sheet 18 of _____ sheets

Date	Watershed: Number	Watershed: Area (acres)	Rainfall: Number	Rainfall: Begins	Rainfall: Ends	Rainfall: Amount (inches)	Maximum intensity: Amount (inches)	Maximum intensity: Duration (hours)	Maximum intensity: Time	Antecedent rainfall (inches)	Maximum intensity: Amount (inches)	Maximum intensity: Duration (hours)	Maximum intensity: Time	Runoff: Number	Runoff: Begins	Runoff: Ends	Runoff: Amount (inches)	Maximum rate: Amount (inches)	Maximum rate: Duration (hours)	Maximum rate: Time	Runoff: Mean rate (inches per hour)	Soil loss (tons per acre)	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	
Aug. 16	C7	1.759	CPR-1	9:39 P-16	130	0.60	3.56	[illegible]	1.00	92.0	69.7	9:37 P-16	4:04 A-17	0.240	0.13	9:42 P-16	0.39	0.045					
	C8	5.123	"	"	"		"	"	"	"	"	9:30 P-16	10:07 P-16	0.02	0.55	9:41 P-16	0.58	0.055					
	W23	6.005	FPR-1	9:31 P-16	142	0.57	3.12	1.73	0.87	"	"	9:42 P-16	3:32 A-17	0.02	0.28	9:45 P-16	0.55	0.001					
Aug. 24	C	--	CPR-1	1:152	28	0.22	1.60	0.83	0.44	91.0	68.3			No runoff				0.220	None				
	W23	6.005	FPR-1	1:11P	60	0.28	1.50	1.02	0.55	"	"	1:34P	2:34P		0.01	1:34P		0.28	"				
Aug. 26	C5	1.412	CPR-1	4:55 P-26	218	0.[illegible]	1.53	0.89	0.52	90.1	62.[illegible]	5:37 P-26	9:02 P-26		0.01	5:42 P-26		0.39	0.009				
	C6	1.632	"	"	"	"	"	"	"	"	"	5:35 P-26	7:34 P-26		0.01	5:41 P-26		0.40	0.003				
	C7	1.756	"	"	"	"	"	"	"	"	"	5:40 P-26	7:55 P-26	0.01	0.01	5:42 P-26		0.40	0.006				
	C8	5.123	"	"	"	"	"	"	"	"	"	5:45 P-26	6:33 P-26	0.00	0.07	5:50 P-26		0.41	0.008				
	W23	6.005	FPR-1	4:59 P-26	258	0.51	2.16	0.85	0.50	"	"	5:37 P-26	8:02 P-26	0.00	0.02	5:46 P-26		0.51	None				
Aug. 27	C5	1.412	CPR-1	4:45 P-27	217	0.69	2.45	1.81	1.18	100.0	67.3	4:56 P-27	8:27 P-27	0.30	0.26	5:27 P-27		0.39	0.104				
	C6	1.632	"	"	"	"	"	"	"	"	"	4:57 P-27	12:52 A-28	0.30	0.26	5:12 P-27		0.39	0.066				
	C7	1.756	"	"	"	"	"	"	"	"	"	4:57 P-27	1:31 A-28	0.29	0.19	5:13 P-27		0.40	0.077				
	C8	5.123	"	"	"	"	"	"	"	"	"	4:55 P-27	5:51 P-27	0.010	0.20	5:03 P-27		0.680	0.085				
	W23	6.005	FPR-1	4:46 P-27	227	0.67	2.34	1.74	1.10	"	"	5:07 P-27	7:44 P-27	0.01	0.08	5:16 P-27		0.00	None				
Aug. 29	--	--	CPR-1	7:32P	39	0.11	0.48	0.36	0.22	84.5	68.7			No runoff				0.110	None				
Sept. 3 (1st rain)	C5	1.412	CPR-1	7:11 A-3	127	2.89	2.64	1.20	0.68	82.5	62.6	7:43 A-3	12:15 P-3	0.12	0.07	7:47 A-3		9.57	None				
	C6	1.632	"	"	"	"	"	"	"	"	"	7:41 A-3	7:47 P-3	0.21	0.07	7:45 A-3		0.28	"	Runoff includes 2nd storm of this date			
	C7	1.756	"	"	"	"	"	"	"	"	"	7:52 A-3	8:32 P-3	0.18	0.07	10:15 A-3		0.51	None	ditto			
	C8	5.123	"	"	"	"	"	"	"	"	"	7:31 A-3	9:40 A-3	0.02	0.37	7:36 A-3		0.67	"				
	W23	6.005	FPR-1	7:14 A-3	190	0.65	2.16	1.11	0.58	"	"	7:45 A-3	9:04 P-3	0.03	0.03	7:54 A-3		0.62	"	ditto			
Sept. 3 (2nd rain)	C5	1.412	CPR-1	3:52 P-3	30	0.04	0.09	0.09	0.08	82.5	62.6			No runoff				0.04	0.034				
	C6	1.632	"	"	"	"	"	"	"	"	"	Runoff with first rain of 9/3/36						--	0.030				
	C7	1.756	"	"	"	"	"	"	"	"	"							--	0.030				
Sept. 3 (2nd rain)	C8	5.123	CPR-1	3:52 P-3	30	0.04	0.09	0.09	0.08	82.5	62.6			No runoff				0.04	0.055				
	W23	6.005	FPR-1	3:53 P-3	65	0.05	0.08	0.08	0.06	"	"	Runoff with 1st rain of 9/3/36						--	0.001				
Sept. 9	C5	1.412	CPR-1	2:57 P-9	78	0.38	1.63	0.97	0.64	93.5	65.4	3:07 P-9	7:00 P-9	0.06	0.05	3:23 P-9		0.32	0.012				
	C6	1.632	"	"	"	"	"	"	"	"	"	3:06 P-9	6:51 P-9	0.03	0.03	3:26 P-9		0.35	0.004				
	C7	1.756	"	"	"	"	"	"	"	"	"	3:05 P-9	8:00 P-9	0.05	0.03	3:30 P-9		0.33	0.010				
	C8	5.123	"	"	"	"	"	"	"	"	"	3:04 P-9	3:57 P-9	0.01	0.11	3:24 P-9		0.37	0.008				
	W23	6.005	"	"	"	0.31	1.63	0.97	0.64	"	"	3:30 P-9	7:00 P-9	0.01	0.02	4:00 P-9		0.30	None				
Sept. 19	--	--	CPR-1	3:28P	272	0.11	0.28	0.16	0.16	91.0	64.1			No runoff				0.110	None				
Sept. 20	--	--	CPR-1	4:00P	60	0.10	0.16	0.16	0.14	91.0	59.0			No runoff				0.100	None				
Sept. 21	--	--	CPR-1	11:35A	215	0.18	0.24	0.12	0.10	90.8	53.6			No runoff				0.180	None				
Sept. 29-30	C5	1.412	CPR-1	11:47 P-29	930	2.54	1.72	1.05	0.62	89.6	55.0	5:20 A-30	4:01 P-30	1.00	0.30	10:01 A-30		1.59	0.102				
	C6	1.632	"	"	"	"	"	"	"	"	"	5:28 A-30	8:[illegible] P-30	1.15	0.34	10:03 A-30		1.44	0.106				
	C7	1.756	"	"	"	"	"	"	"	"	"	1:55 A-30	9:04 P-30	1.27	0.42	10:12 A-30		1.32	0.114				
	C8	5.123	"	"	"	"	"	"	"	"	"	1:57 A-30	1:57 P-30	0.13	0.37	7:05 A-30		2.16	0.029				
	W23	6.005	FPR-1	11:48 P-29	930	2.50	1.30	0.56	0.56	"	"	5:27 A-30	6:30 P-30	0.050	0.06	7:09 A-30		2.15	0.002				
Oct. 3-6	--	--	CPR-1	Indef.	3.04	0.04	indeterminable			2.5	55.0			No runoff				0.04	None				
Oct. 7-8	C5	1.412	CPR-1	7:56 P-7	940	2.05	2.79	1.20	1.13	50.9	50.5	8:33 P-7	3:01 P-8	0.87	0.30	8:48 P-7		1.18	0.111				
	C6	1.632	"	"	"	"	"	"	"	"	"	8:33 P-7	3:11 P-8	1.12	0.34	8:49 P-7		0.93	0.115				
	C7	1.756	"	"	"	"	"	"	"	"	"	8:32 P-7	3:13 P-8	1.25	0.34	9:06 P-7		0.79	0.108				
	C8	5.123	"	"	"	"	"	"	"	"	"	8:32 P-7	7:13 A-8	0.04	0.22	8:41 P-7		2.01	0.047				
	W23	6.005	FPR-1	4:56 P-7	1120	2.12	2.06	1.03	1.11	"	"	8:31 P-7	11:09 A-9	0.08	0.18	8:42 P-7		2.04	0.003	Runoff includes that from storm of Oct. 8-9 for W-23			
Oct. 8-9	C	--	CPR-1	8:59	328	0.[illegible]	0.12	0.12	0.10	50.5	54.3			No runoff				0.34	0.111				
Oct. 13	--	--	CPR-1	2:51A	130	0.04	0.12	0.05	0.04	70.2	59.7			No runoff				0.04	None				

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
DIVISION OF RESEARCH

RECORD OF SINGLE STORMS AND THEIR RUNOFFS ON VARIOUS WATERSHEDS

MONTH ..... 19 .....

Date	Watershed	Area	Storm	Begin	Duration	Amount	Maximum intensity			Antecedent precipitation		Runoff	Begin	Duration	Amount	Maximum rate		Runoff/Rainfall ratio	Runoff per unit area	Remarks
																Continuous	Peak			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Oct. 15-16	C5	1.412	CFR-1	7:42 P-15	1150	2.85	1.56	1.20	1.21	75.6	59.7	9:59 P-15	6:29 P-16	1.43	0.71	1:28 P-16	1.02	0.158	
	C6	1.632	"	"	"	"	"	"	"	"	"	9:42 P-15	10:42 P-15	1.81	0.00	1:00 P-16	1.04	0.093	
	C7	1.796	"	"	"	"	"	"	"	"	"	9:34 P-15	10:34 P-16	1.66	0.83	1:50 P-16	0.99	0.123	
	C8	5.123	"	"	"	"	"	"	"	"	"	11:33 A-16	5:00 P-16	0.27	0.66	12:53 P-16	2.58	0.066	
	W23	6.005	FFR-1	7:49 P-15	1150	2.94	1.56	1.69	1.26	"	"	9:30 P-15	10:43 A-20	0.62	0.51	2:[illegible] P-16	2.32	0.009	
Oct. 26	--	--	CFR-1	1:57 P	30	0.03	0.00	0.00	0.00	68.0	53.				No runoff		0.03	None
Nov. 3	C	--	CFR-1	8:50A	89	0.10	0.24	0.15	0.18	72.2	54.0				No runoff		0.10	None
	W23	6.005	FFR-1	8:57 A-3	80	.10	0.29	0.13	0.09	"		9:05 A-3	2:33 A-5	.12	0.03	8:13 P-4	0.08	0.001
Nov. 4	C	--	CFR-1	4:[illegible]P	252	0.29	0.66	0.44	0.29	75.5	61.0				No runoff		0.29	None
Nov. 7	--	--	FFR-1	Indefinite		0.02	Slight-time indef.			53.3	43.0				"	"	0.02	None
Nov. 8	--	--	CFR-1	Indefinite		0.02	"	"	"	55.2	45.0						0.02	"
Nov. 12	C5	1.412	CFR-1	2:29 A-12	813	0.58	0.14	0.14	0.14	57.5	38.2	9:53 A-12	12:53 P-12	0.03	0.02	10:53 A-12	0.55	0.002
	C6	1.632	"	"	"	"	"	"	"	"	"	9:15 A-12	1:25 P-12	0.01	Trace	10:55 A-12	0.57	0.001
	C7	1.796	"	"	"	"	"	"	"	"	"	Indefinite		0.02	Indefinite		0.56	0.002
	C8	5.123	"	"	"	"	"	"	"	"	"	Chart cannot be found					0.58	None
	W23	6.005	FFR-1	2:15 A-12	840	0.53	0.18	0.21	0.14	"	"	2:52 A-12	2:22 P-12	0.01	0.01	2:52 A-12	0.52	"
Nov. 25	--	--	CFR-1	11:54P	330	0.23	0.08	0.07	0.06	58.9	39.6				No runoff		0.23	None
Dec. 1	--	--	CFR-1	Indefinite		0.05	Snow	Indefinite		47.1	23.7	(See next rain)			No runoff		0.05	None
Dec. 1-2	C5	1.412	CFR-1	11:00 A-1	1465	0.52	0.12	0.09	0.08	47.1	22.9	10:24 P-1	7:24 A-2	0.00	Trace	4:24 A-2	0.52	None
	C6	1.632	"	"	"	"	"	"	"	"	"	9:21 P-1	6:51 A-2	0.00	Trace	10:51 P-1	0.52	"
	C7	1.796	"	"	"	"	"	"	"	"	"	9:29 P-1	5:29 A-3	0.02	0.02	3:29 A-2	0.50	"
	C8	5.123	"	"	"	"	"	"	"	"	"	Chart missing					0.52	"
	W23	6.005	FFR-1	10:54 A-1	1470	0.45	0.12	0.11	0.09	"	"	2:00 P-1	4:58 P-4	0.13	0.03	5:25 P-1	0.32	"
Dec. 3	C5	1.412	CFR-1	12:58A	480	0.19	0.12	0.07	0.07	44.9	32.3				No runoff		0.190	None
	C6	1.632	"	"	"	"	"	"	"	"	"				No runoff		"	"
	C7	1.796	"	"	"	"	"	"	"	"	"	Runoff with rain of 12/1-2 36					"	"
	C8	5.123	"	"	"	"	"	"	"	"	"				No runoff		"	"
	W23	6.005	FFR-1	12:28A	300	0.22	.07	.07	.07	"	"	Runoff with rain of 12/1-2 36					0.220	0.001
Dec. 6-7	C5	1.412	CFR-1	7:53 A-6	1665	0.93	0.96	0.26	0.24	53.6	34.3	11:55 P-6	7:00 P-7	0.21	0.05	12:18 A-7	0.72	0.032
	C6	1.632	"	"	"	"	"	"	"	"	"	11:53 P-6	7:53 P-7	0.39	0.07	4:23 P-8	0.54	0.04[illegible]
	C7	1.796	"	"	"	"	"	"	"	"	"	12:00 A-7	7:12 P-7	0.38	0.10	12:36 A-7	0.55	0.046
	C8	5.123	"	"	"	"	"	"	"	"	"	Indefinite		0.21	Indefinite		0.52	0.002
	W23	6.005	FFR-1	5:43 A-6	1790	0.92	1.08	0.34	0.74	"	"	11:54 P-6	12:40 P-8	0.07	0.03	12:11 A-7	0.85	None
Dec. 10-11	C5	1.412	CFR-1	10:49 A-10	1559	0.63	2.36	0.23	0.16	49.1	33.0	4:07 A-11	6:30 A-12	0.09	0.02	5:00 A-12	0.54	None
	C6	1.632	"	"	"	"	"	"	"	"	"	4:08 A-11	7:30 A-12	0.17	0.02	10:53 A-11	0.6[illegible]	"
	C7	1.796	"	"	"	"	"	"	"	"	"	3:26 A-11	7:30 A-12	0.19	0.03	5:30 A-11	0.4[illegible]	"
	C8	5.123	"	"	"	"	"	"	"	"	"	2:51 A-11	6:21 A-12	0.03	0.02	4:21 A-11	0.00	"
	W23	6.005	FFR-1	Indef. 1-in.	600+	0.62	0.23	0.21	0.15	"	"	2:55 A-11	1:30 P-12	0.03	0.01	4:55 A-11	0.59	"
Dec. 12	--	--	FFR-1	[illegible]	83	0.12	0.55	0.17	0.24	50.3	40.6	Included with runoff of 12/10-11					0.120	
Dec. 16	C5	1.412	CFR-1	12:57 A-16	1400	0.40	0.24	0.14	0.14	47.5	30.7	3:29 A-16	12:29 P-16	0.01	Trace	4:59 A-16	0.39	None
	C6	1.632	"	"	"	"	"	"	"	"	"	3:27 A-16	6:57 A-16	0.01	0.01	4:57 A-16	0.39	"
	C7	1.796	"	"	"	"	"	"	"	"	"	3:01 A-16	6:56 A-16	0.02	0.02	4:56 A-16	0.38	0.001
	C8	5.123	"	"	"	"	"	"	"	"	"	2:56 A-16	5:58 A-16	0.01	0.02	4:58 A-16	0.35	None
	W23	6.005	FFR-1	2:37 A-16	1400	0.40	0.24	0.14	0.14	"	"	3:59 A-16	12:59 A-18	0.00	0.01	4:59 P-17	0.40	"
Dec. 19	C5	1.412	CFR-1	12:57 A-19	1035	1.33	0.24	0.18	0.19	45.3	31.0	3:14 A-19	9:24 P-19	0.39	0.10	9:39 A-19	0.94	0.022
	C6	1.632	"	"	"	"	"	"	"	"	"	3:50 A-19	8:10 A-20	0.750	0.13	8:00 A-19	0.550	0.033
	C7	1.796	"	"	"	"	"	"	"	"	"	3:[illegible] A-19	10:[illegible] A-20	0.920	0.16	8:22 A-19	0.40	0.040
	C8	5.123	"	"	"	"	"	"	"	"	"	3:05 A-19	7:08 P-19	0.39	0.08	9:28 A-19	1.24	0.000
	W23	6.005	FFR-1	12:35 A-19	1[illegible]0	[illegible]	0.19	0.18	0.13	"	"	2:26 A-19	1:30 P-20	0.76	0.04	10:16 A-19	1.08	None

Form S. C. S.-[illegible]

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
DIVISION OF RESEARCH

Month _____, 1936

Project STATESVILLE, NORTH CAROLINA

RECORD OF SINGLE STORMS AND THEIR RUN-OFFS ON VARIOUS WATERSHEDS

Sheet 20 of _____ sheets

Date	Watershed Number	Watershed Area (Acres)	Rainfall Gage No.	Rainfall Begins	Rainfall Ends	Amount (Inches)	Maximum Intensity 1 hr.	Maximum Intensity 2 hr.	Maximum Intensity 24 hr.	Soil Moisture Maximum	Soil Moisture Minimum	Runoff Begins	Runoff Ends	Amount (Inches)	Maximum Rate Quantity	Maximum Rate Time	Runoff Minus Rain (Inches)	Soil Loss (Tons per acre)	Comments on Watersheds
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Dec. 27-29	C5	1.412	CFR-1	9:57 P-27	2:50	1.27	0.42	0.42	0.42	20.5	34.4	4:12 P-28	3:57 P-29	0.14	0.03	10:47 A-29	1.13	None	
	C6	1.632	"	"	"	"	"	"	"	"	"	3:26 P-28	8:56 P-29	0.35	0.10	11:16 A-29	0.92	"	
	C7	1.796	"	"	"	"	"	"	"	"	"	4:16 P-28	12:26 A-30	0.39	0.10	11:26 A-29	0.58	"	
	C8	5.123	"	"	"	"	"	"	"	"	"	3:10 A-29	8:45 P-29	0.06	0.18	11:18 A-29	1.21	"	
	W23	6.005	FFR-1	9:57 P-27	2:50	1.27	0.42	0.42	0.42	"	"	3:05 P-28	10:38 A-11 1937	2.94	1.70	12:23 A-5 1937	-1.67	"	Runoff total from Dec. 27 to Jan. 11, 1937.
Dec. 30-31	C5	1.412	CFR-1	1:29 A-30	2:00	1.42	1.32	1.04	0.88	50.4	40.4	8:45 A-31	6:22 P-31	0.54	0.30	10:49 A-31	0.879	0.086	
	C6	1.632	"	"	"	"	"	"	"	"	"	8:32 A-31	1:57 A-1	0.911	0.34	10:27 A-31	0.509	0.112	
	C7	1.796	"	"	"	"	"	"	"	"	"	7:37 A-31	7:47 P-31	0.877	0.2	10:42 A-31	0.543	0.189	
	C8	5.123	"	"	"	"	"	"	"	"	"	8:43 A-31	1:56 P-31	0.397	2.17	10:42 A-31	1.023	0.171	
	W23	6.005	FFR-1	"	"	"	"	"	"	"	"	Included with rain of 12/27-28-29/36					1.420	0.012	

Form S. C. S.-642

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
DIVISION OF RESEARCH

Month _____ 1937

Project STATESVILLE, NORTH CAROLINA

RECORD OF SINGLE STORMS AND THEIR RUN-OFFS ON VARIOUS WATERSHEDS

Sheet 21 of _____ sheets

Date	Watershed: Number	Watershed: Area (acres)	Rainfall: Gage No.	Rainfall: Begins (hour)	Rainfall: Duration (minutes)	Rainfall: Amount (inches)	Maximum Intensity: 5 minutes (inches per hour)	Maximum Intensity: 15 minutes (inches per hour)	Maximum Intensity: 30 minutes (inches per hour)	Temperature (degrees F): Maximum	Temperature (degrees F): Minimum	Runoff: Begins (hour)	Runoff: Ends (hour)	Runoff: Amount (inches)	Maximum Rate: Quantity	Maximum Rate: Time	Rainfall Minus Runoff (inches)	Soil Loss (tons per acre)	Condition of Watershed
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Jan. 1-3	C5	1.412	CPR-1	8:37 P-1	2145	3.03	2.10	1.30	1.15	57.1	36.2	10:42 P-1	12:43 P-3	1.27	0.83	12:13 A-3	1.760	0.155	Watersheds C5, C6 and C7 terraced. In oat stubble and
	C6	1.632	"	"	"	"	"	"	"	"	"	10:05 P-1	1:45 P-3	2.10	0.71	12:02 A-3	0.530	0.115	lespedeza from 1936. Broadcast
	C7	1.756	"	"	"	"	"	"	"	"	"	9:53 P-1	1:33 P-3	2.20	0.58	12:05 A-3	0.830	0.137	lespedeza March 25. Newly
	C8	5.123	"	"	"	"	"	"	"	"	"	10:30 P-1	7:30 A-3	1.21	5.52	11:59 P-2	1.620	0.560	volunteer oats and weeds May 27;
	W23	6.005	FTR-1	8:33 P-1	2160	3.06	2.16	1.38	1.18	"	"	Included with runoff of 12/27-29/36					3.060	0.010	raked June 4. Watershed C8 unterraced. Oats drilled Oct. 24. Lespedeza broadcast March 5; harvested
Jan. 5-7	C5	1.412	CPR-1	8:34 A-5	2475	0.65	0.17	0.15	0.12	49.4	30.9	No runoff					0.650	0.001	oats June 14. In oat stubble and lespedeza the remainder of
	C6	1.632	"	"	"	"	"	"	"	"	"	2:16 P-5	1:16 A-6	0.05	0.01	6:16 P-5	0.60	0.001	1937. Watershed W-23 mowed.
	C7	1.756	"	"	"	"	"	"	"	"	"	2:16 P-5	2:00 A-6	0.05	0.02	4:46 P-5	0.60	0.001	
	C8	5.123	"	"	"	"	"	"	"	"	"	3:27 P-5	12:42 A-6	0.02	0.02	4:57 P-5	0.63	None	
	W23	6.005	FTR-1	8:36 A-5	2510	0.64	0.12	0.11	0.09	"	"	Included with runoff of 12/27-29/36					0.640	"	
Jan. 8-11	C	--	CPR-1		Indefinite					70.1	35.3	No runoff					--	None	
	W23	6.005	FTR-1									Included with runoff of 12/27-29/36						"	
Jan. 11-13	C5	1.412	CPR-1	1:51A	2800	1.48	0.70	0.54	0.38	70.1	40.3	No runoff					1.480	None	
	C6	1.632	"	"	"	"	"	"	"	"	"	No runoff					1.480	"	
	C7	1.756	"	"	"	"	"	"	"	"	"	12:28 A-13	8:28 A-13	0.06	0.03	--	1.42	"	
	C8	1.523	"	"	"	"	"	"	"	"	"	2:55 A-13	7:10 A-13	0.01	0.01	--	1.47	"	
	W23	6.005	FTR-1	8:26 A-11	430	0.27	0.48	0.29	0.22	"	"	11:00 A-11	9:40 A-27	1.88	0.51	--	--	"	Includes runoff for all rains from Jan. 11-27
Jan. 14	C5	1.412	CPR-1	12:00A	570	0.07	0.03	0.03	0.03	55.1	48.6	No runoff					0.070	None	
	C6	1.632	"	"	"	"	"	"	"	"	"	No runoff					0.070	"	
	C7	1.756	"	"	"	"	"	"	"	"	"	3:58 A-14	6:28 A-14	0.01	0.01	4:58 A-14	0.06	"	
	C8	5.123	"	"	"	"	"	"	"	"	"	3:42 A-14	6:59 A-14	0.00	0.01	4:25 A-14	0.070	"	
	W23	6.005	FTR-1	"	"	"	"	"	"	"	"	Included with runoff of 1/11-13/37					--	"	
Jan. 15	C5	1.412	CPR-1	7:59 A-15	357	0.35	1.27	0.70	0.44	68.3	53.7	8:32 A-15	1:12 P-15	0.06	0.03	8:32 A-15	0.29	0.005	
	C6	1.632	"	"	"	"	"	"	"	"	"	9:35 A-15	7:28 P-15	0.23	0.07	10:58 A-15	0.12	0.009	
	C7	1.756	"	"	"	"	"	"	"	"	"	8:27 A-15	7:57 P-15	0.179	0.07	11:22 A-15	0.171	0.013	
	C8	5.123	"	"	"	"	"	"	"	"	"	8:28 A-15	12:39 P-15	0.006	0.05	8:33 A-15	0.344	0.013	
	W23	6.005	FTR-1	8:08 A-15	358	0.32	1.08	0.66	0.39	"	"	Included with runoff of 1/11-13/37					--	None	
Jan. 17-18	C5	1.412	CPR-1	5:16 A-17	1510	0.75	0.32	0.30	0.22	54.3	34.6	7:32 A-17	1:17 P-17	0.117	0.05	9:12 A-17	0.633	None	
	C6	1.632	"	"	"	"	"	"	"	"	"	6:14 A-17	8:09 P-17	0.342	0.10	9:19 A-17	0.408	"	
	C7	1.756	"	"	"	"	"	"	"	"	"	6:08 A-17	6:23 P-17	0.378	0.16	10:48 A-17	0.372	"	
	C8	5.123	"	"	"	"	"	"	"	"	"	6:15 A-17	12:40 P-17	0.067	0.18	9:10 A-17	0.683	"	
	W23	6.005	FTR-1	5:43 A-17	1020	0.68	0.36	0.25	0.23	"	"	Included with runoff 1/11-13/37					--	"	
Jan. 18-20	C5	1.412	CPR-1	1:35 P-18	2712	2.34	0.49	0.45	0.31	66.3	36.8	2:12 P-18	1:37 P-20	0.347	0.22	5:27 A-19	1.493	None	
	C6	1.632	"	"	"	"	"	"	"	"	"	1:40 P-18	7:14 P-19	1.236	0.39	5:24 A-19	1.104	"	
	C7	1.756	"	"	"	"	"	"	"	"	"	1:40 P-18	8:32 P-20	1.641	0.38	5:28 A-19	0.929	"	
	C8	5.123	"	"	"	"	"	"	"	"	"	2:29 P-18	1:25 P-20	0.637	1.08	4:20 A-19	1.703	"	
	W23	6.005	FTR-1	1:11 P-18	2845	2.36	0.48	0.40	0.36	"	"	Included with runoff of 1/11-13/37					--	"	
Jan. 20-21	C5	1.412	CPR-1	4:56 P-20	720	0.04	0.02	0.02	0.02	57.3	35.7	No runoff					0.040	0.003	
	C6	1.632	"	"	"	"	"	"	"	"	"	No runoff					0.040	0.008	
	C7	1.756	"	"	"	"	"	"	"	"	"	Included with runoff of 1/18-20/37					--	0.015	
	C8	5.123	"	"	"	"	"	"	"	"	"	1:19 A-21	12:09 P-21	0.012	0.02	4:19 A-21	0.028	0.134	
	W23	6.005	FTR-1	4:52 P-20	660	0.04	0.01	0.01	0.01	"	"	Included with runoff of 1/11-13/37					--	None	
Jan. 24-25	C5	1.412	CPR-1	12:20 A-24	2330	0.32	0.38	0.20	0.13	71.0	37.5	3:22 P-24	12:23 P-25	0.009	Trace	4:53 P-24	0.312	None	
	C6	1.632	"	"	"	"	"	"	"	"	"	2:56 P-24	1:16 P-25	0.004	Trace	4:39 P-24	0.316	"	
	C7	1.756	"	"	"	"	"	"	"	"	"	2:20 P-24	1:15 P-25	0.014	Trace	3:25 P-24	0.300	"	
	C8	5.123	"	"	"	"	"	"	"	"	"	3:15 P-24	1:25 P-25	0.021	0.03	5:55 P-24	0.299	"	
	W23	6.005	FTR-1	12:33 A-24	2312	0.32	0.30	0.17	0.10	"	"	Included with runoff of 1/11-13/37					--	0.011	
Jan. 26	C5	1.412	CPR-1	9:20 A-28	935	0.95	0.27	0.27	0.27	11.5	31.2	7:30 P-28	1:35 A-29	0.229	0.13	8:45 P-28	0.721	0.010	
	C6	1.632	"	"	"	"	"	"	"	"	"	9:15 A-28	7:51 A-29	0.625	0.15	10:06 P-28	0.324	0.027	
	C7	1.756	"	"	"	"	"	"	"	"	"	9:16 A-28	8:21 A-29	0.998	0.22	8:42 P-28	0.252	0.000	
	C8	5.123	"	"	"	"	"	"	"	"	"	5:40 P-28	1:15 A-29	0.144	0.60	8:35 P-28	0.800	0.014	
	W23	6.005	FTR-1	9:20 A-28	930	0.95	0.30	0.30	0.28	"	"	10:30 A-27	3:12 P-2	0.312	0.04	8:51 P-28	0.638	None	

Form A-C-6-[illegible]

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
DIVISION OF RESEARCH

Month _____ 19 37

Project STATESVILLE, NORTH CAROLINA

RECORD OF SINGLE STORMS AND THEIR RUN-OFFS ON VARIOUS WATERSHEDS

Sheet 22 of _____ sheets

Date	Watershed Number	Watershed Area Acres	Gage No.	Rainfall Begin Clock	Rainfall Duration Minutes	Rainfall Amount Inches	Maximum Intensity 5 minutes Inches per hour	Maximum Intensity 15 minutes Inches per hour	Maximum Intensity 30 minutes Inches per hour	Temperature Degrees F Maximum	Temperature Degrees F Minimum	Runoff Begin Clock	Runoff End Clock	Runoff Amount Inches	Maximum Rate Cu. ft. sec.	Maximum Rate Time	Rainfall Minus Runoff Inches	Runoff Loss Inches per hour	Conditions of Watershed
(1)	(2)	3	(4)	(5)	(6)	(7)	8	9	10	11		12	13	14	15	16	17	18	19
Jan. 31	C5	1.412	CFR-1	6:59 A-31	665	0.60	0.39	0.25	0.20	55.2	36.2	12:16 P-31	7:11 P-31	0.125	0.05	2:22 P-31	0.475	0.003	
	C6	1.632	"	"	"	"	"	"	"	"	"	12:02 P-31	3:22 A-1	0.135	0.10	2:32 P-31	0.165	0.011	
	C7	1.796	"	"	"	"	"	"	"	"	"	12:05 P-31	2:20 A-1	0.135	0.16	1:00 P-31	0.165	0.010	
	C8	5.123	"	"	"	"	"	"	"	"	"	12:05 P-31	7:05 P-31	0.262	0.22	2:27 P-31	0.538	0.003	
	W23	6.005	FFR-1	6:52 A-31	667	0.61	0.18	0.25	0.21	"	"	Included with runoff of 1/25/37					0.610	0.001	
Feb. 7	C	--	CFR-1	7:20A	185	0.15	0.24	0.16	0.12	52.5	35.9			No	r u n o f f		0.150	None	
	W23	6.005	FFR-1	6:15 A-7	230	0.10	0.24	0.20	0.15	"	"	3:12 P-2	2:50 P-8	0.085	0.01	3:13 P-2	0.075	0.001	
Feb. 9	C5	1.412	CFR-1	1:11 A-9	1295	0.76	0.60	0.11	0.35	71.1	58.0	3:00 P-9	1:30 A-10	0.083	0.02	3:50 P-9	0.677	0.004	
	C6	1.632	"	"	"	"	"	"	"	"	"	3:27 P-9	1:27 A-10	0.059	0.02	4:47 P-9	0.701	0.007	
	C7	1.796	"	"	"	"	"	"	"	"	"	7:38 A-9	8:05 P-9	0.210	0.05	3:35 P-9	0.550	0.014	
	C8	5.123	"	"	"	"	"	"	"	"	"	12:49 P-9	6:29 P-9	0.024	0.06	1:39 P-9	0.736	0.006	
	W23	6.005	FFR-1	1:52 A-9	1283	0.75	0.24	0.24	0.24	"	"	2:59 P-8	1:00 P-10	0.272	0.03	1:59 P-9	0.478	None	
Feb. 13-14	--	--	CFR-1	8:52P	310	0.12	0.12	0.10	0.08	58.0	32.8			No	r u n o f f		0.120	None	
Feb. 20-21	C5	1.412	"	1:25 A-20	2230	1.01	0.32	0.28	0.21	49.8	32.4	Indefinite		0.038	Indefinite		0.972	0.001	Fertilizer drilled 2/16/37
	C6	1.632	"	"	"	"	"	"	"	"	"	9:05 P-20	8:05 A-21	0.042	0.01	11:05 P-20	0.968	0.001	
	C7	1.796	"	"	"	"	"	"	"	"	"	10:05 P-20	1:43 P-21	0.084	0.02	4:33 A-21	0.926	0.001	
	C8	5.123	"	"	"	"	"	"	"	"	"	Indefinite		0.017	Indefinite		0.993	0.001	
	W23	6.005	FFR-1	4:40 A-20	2020	0.99	0.30	0.25	0.19	"	"	4:00 P-16	3:56 P-3-10	0.760	0.02	2:58 P-20	0.230	None	
Feb. 24	C	--	CFR-1	Indefinite		0.21	Indefinite			60.0	37.1			No	r u n o f f		0.010	None	
Feb. 27-28	C5	1.412	"	7:30	620	0.70	0.16	0.16	0.14	43.6	16.9			"	"		0.700	None	
	C6	1.632	"	P-27	"	"	"	"	"	"	"			"	"		0.700	"	
	C7	1.796	"	"	"	"	"	"	"	"	"	8:42 P-27	2:02 A-28	0.025	0.02	10:42 P-27	0.675	"	
	C8	5.123	"	"	"	"	"	"	"	"	"			No	r u n o f f		0.700	"	
	W23	6.005	FFR-1	7:48	580	0.71	0.18	0.16	0.14	"	"	Included with runoff of 2/20/37					0.710	"	
March 8	C	--	CFR-1	1:17A	180	0.22	0.29	0.24	0.18	"	"			No	r u n o f f		0.220	"	
March 14-15	C	--	CFR-1	5:25P	1260	0.50	0.11	0.11	0.10	"	"			"			0.500	"	
	W23	6.005	FFR-1	5:39 P-14	1230	0.51	"	"	"	"	"	3:56 P-10	9:45 A-21	0.273	0.01	2:12 P-15	0.237	"	
Mar. 18	C	--	CFR-1	6:57A	265	0.10	0.09	0.09	0.09	--	--			No	r u n o f f		0.100	None	
Mar. 20	C	--	"	2:19A	130	0.18	0.14	0.12	0.11	--	--			"	"		0.180	"	
Mar. 24	C	--	"	12:45P	130	0.34	0.54	0.30	0.23	--	--			"	"		0.340	"	
	W23	6.005	FFR-1	12:45 P-24	131	0.36	0.67	0.35	0.26	--	--	9:45 A-24	12:30 A-6	0.022	0.02	5:00 P-5	0.338	0.007	Contamination from runoff of 3/14-15/37
Apr. 4-5	C	--	CFR-1	12:29P	1060	0.51	0.29	0.19	0.13	--	--			No	r u n o f f		0.510	0.001	Leaveing released 3/25/37
Apr. 5	C	--	"	1:20P	55	0.33	0.52	0.54	0.37	--	--			"	"		0.330	None	
Apr. 8	--	--	CFR-1	10:52A	450	0.29	0.27	0.22	0.19	--	--			"	"		0.290	"	
Apr. 15	--	--	"	1:02P	300	0.12	0.22	0.19	0.13	--	--			"	"		0.120	"	
Apr. 19	--	--	CFR-1	7:06P	140	0.10	0.58	0.59	0.16	--	--			"	"		0.100	"	
Apr. 21	--	--	"	7:23P	425	0.11	0.15	0.15	0.11	--	--			"	"		0.110	"	
Apr. 24-25	C5	1.412	CFR-1	9:54 A-24	1747	2.20	2.51	1.19	0.83	--	--	11:29 A-24	4:09 P-25	0.158	0.05	11:49 A-25	2.042	0.030	
	C6	1.632	"	"	"	"	"	"	"	--	--	12:35 P-24	8:00 A-26	1.014	0.10	11:28 A-25	1.186	0.042	
	C7	1.796	"	"	"	"	"	"	"	--	--	10:42 A-24	7:47 P-25	0.848	0.13	4:47 P-24	1.152	0.058	
	C8	5.123	"	"	"	"	"	"	"	--	--	10:40 A-24	1:23 P-25	0.023	0.10	11:00 A-25	2.177	0.013	Oats in drill 9" on 4/23/37
	W23	6.005	FFR-1	8:13 A-24	1805	2.17	1.80	0.93	0.50	--	--	April 8-09		0.61			1.56	None	
Apr. 28	C5	1.412	CFR-1	9:55 A-28	127	0.19	0.19	0.16	0.15	--	--			No	r u n o f f		0.190	"	
	C6	1.632	"	"	"	"	"	"	"	--	--			"	"		0.190	"	
	C7	1.796	"	"	"	"	"	"	"	--	--			"	"		0.190	"	
	C8	5.123	"	"	"	"	"	"	"	--	--	2:09P	7:09P	0.024	0.21	4:38P	0.166	"	Oats in drill 10" on 4/26/37
	W23	6.005	FFR-1	9:47 A-28	130	0.19	0.19	0.17	0.15	--	--			No	r u n o f f		0.190	"	
Apr. 28-29	C5	1.412	CFR-1	11:12 P-28	717	0.60	0.39	0.35	0.32	--	--	7:54 A-29	2:57 P-29	0.064	0.02	8:22 A-29	0.536	0.007	
	C6	1.632	"	"	"	"	"	"	"	--	--	7:28 A-29	12:20 A-30	0.312	0.05	10:10 A-29	0.288	0.019	
	C7	1.796	"	"	"	"	"	"	"	--	--	7:26 A-29	8:00 P-29	0.321	0.13	8:21 A-29	0.279	0.025	
	C8	5.123	"	"	"	"	"	"	"	--	--	7:49 A-29	12:29 P-29	0.025	0.06	8:05 A-29	0.575	0.009	
	W23	6.005	FFR-1	11:08 P-28	730	0.59	0.42	0.40	0.34	--	--				0.02	--	--	None	
May 5	C5	1.412	CFR-1	11:59 P-5	39	0.69	4.11	2.29	1.20	--	--	12:07 P-5	7:01 P-5	0.139	0.22	12:14 P-5	0.570	0.073	
	C6	1.632	"	"	"	"	"	"	"	--	--	12:12 P-5	5:50 P-5	0.179	0.26	12:20 P-5	0.421	0.099	
	C7	1.796	"	"	"	"	"	"	"	--	--	12:07 P-5	7:03 P-5	0.292	0.34	12:14 P-5	0.308	0.100	

Form S. C. S.-[illegible]

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
DIVISION OF RESEARCH

Project STATESVILLE, NORTH CAROLINA

RECORD OF SINGLE STORMS AND THEIR RUNOFFS ON VARIOUS WATERSHEDS

Month _____ 1937
Sheet 23 of _____ sheets

Date	Watershed Number	Area Acres	Gage No.	Rainfall Begins	Duration Minutes	Amount Inches	Maximum Intensity Inches per hour	Maximum Intensity Inches per hour	Maximum Intensity Inches per hour	Temperature Maximum	Temperature Minimum	Runoff Begins	Runoff Ends	Amount Inches	Maximum Rate Cubic feet per second	Maximum Rate Time	Rainfall Minus Runoff Inches	Rainfall Minus Runoff Inches per hour	Remarks on Watershed
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
May 5	C8	5.123	CFR-1	11:59 A-5	30	0.09	4.11	2.29	1.20	--	--	12:08 P-5	1:42 P-5	0.026	0.00	12:10 P-5	0.574	0.123	Oats in drill 12" on 5/4/37
	W23	6.005	FFR-1	*	35	4.52	3.16	1.92	1.03	--	--	12:05 F-5	9:45 A-6	0.023	0.09	12:15 F-5	0.497	0.003	
May 12	C	--	CFR-1	6:25P	78	0.29	1.37	0.77	0.50	--	--			No	r u n o f f		0.290	None	
	W23	6.005	FFR-1	6:23 F-12	50	0.32	1.46	0.90	0.50	--	--	6:39 F-12	1:01 A-13	0.002	0.02	6:42 F-12	0.318	*	
May 13-14	C5	1.412	CFR-1	5:47 P-13	1285	1.00	1.35	0.93	.61	--	--	3:58 A-14	12:56 P-14	0.188	0.19	4:07 A-14	0.892	0.038	
	C6	1.632	*	*	*	*	*	*	*	--	--	3:55 A-14	1:58 P-14	0.194	0.26	4:07 A-14	0.666	0.062	
	C7	1.796	*	*	*	*	*	*	*	--	--	9:56 P-13	10:56 A-15	0.017	0.24	4:11 A-14	0.743	0.102	
	C8	5.123	*	*	*	*	*	*	*	--	--	9:38 P-13	4:47 P-14	0.019	0.27	4:23 A-14	0.041	0.058	
	W23	6.005	FFR-1	5:34 P-13	1295	0.98	1.20	0.68	0.41	--	--	9:55 P-13	10:14 A-14	0.017	0.03	4:05 A-14	0.963	0.001	
May 22-23	C5	1.412	CFR-1	7:16 P-22	1250	0.70	1.58	1.09	0.65	--	--	10:35 P-22	8:45 P-23	0.014	0.02	4:20 P-23	0.686	0.006	
	C6	1.632	*	*	*	*	*	*	*	--	--	9:59 P-22	4:41 P-23	0.001	0.01	3:59 P-23	0.696	0.001	
	C7	1.796	*	*	*	*	*	*	*	--	--	10:03 P-22	5:27 A-23	0.024	0.03	4:18 A-23	0.676	0.006	
	C8	5.123	*	*	*	*	*	*	*	--	--	3:36 A-23	5:30 A-23	0.011	0.18	4:17 A-23	0.689	0.012	Oats in drill 20" on 5/21/37
	W23	6.005	FFR-1	6:55 P-22	580	0.75	1.41	1.08	0.67	--	--	3:42 A-23	11:42 A-23	0.005	0.03	4:22 A-23	0.745	None	
May 27	--	--	CFR-1	5:10P	105	0.16	0.25	0.23	0.18	--	--			No	r u n o f f		0.160	*	
May 28	--	--	*	3:28P	20	0.05	0.40	0.18	0.10	--	--						0.050	*	Lespedeza - volunteer oats mowed off 2"
June 2	C5	1.412	CFR-1	1:30 P-2	28	0.50	3.81	1.94	1.00	--	--	1:35 P-2	7:00 P-2	0.009	0.01	1:50 P-2	0.491	0.006	Lespedeza 2"
	C6	1.632	*	*	*	*	*	*	*	--	--			No	r u n o f f		0.500	None	
	C7	1.796	*	*	*	*	*	*	*	--	--	1:43	3:57 P-2	0.013	0.02	1:59 P-2	0.487	0.005	Lespedeza 2"
	C8	5.123	*	*	*	*	*	*	*	--	--	1:42 P-2	7:05 P-2	0.004	0.11	1:47 P-2	0.496	0.007	
	W23	6.005	FFR-1	1:25 P-2	35	0.50	3.11	1.90	0.99	--	--	1:45 P-2	8:16 P-2	0.004	0.01	1:50 P-2	0.496	None	
June 3	W23	6.005	FFR-1	2:28 P-3	10	0.02	0.12	0.08	0.04	--	--			No	r u n o f f		0.020	None	
June 4	C	--	CFR-1	5:35P	27	0.08	0.40	0.29	0.16	--	--			No	r u n o f f		0.080	None	
	W23	6.005	FFR-1	5:33 P-4	35	0.08	0.44	0.29	0.16	--	--	9:10 P-4	8:03 A-5	0.029	0.29	9:13 P-4	0.251	*	
June 7	--	--	CFR-1	3:00P	215	0.12	0.10	0.10	0.10	--	--			No	r u n o f f		0.120	None	
June 9	C5	1.412	CFR-1	2:09 P-9	128	0.23	1.30	0.59	0.31	--	--			No	r u n o f f		0.230	None	
	C6	1.632	*	*	*	*	*	*	*	--	--			*	*		0.230	*	
	C7	1.796	*	*	*	*	*	*	*	--	--	6:59 F-9	1:29 A-10	0.007	0.01	10:59 P-9	0.223	*	
	C8	5.123	*	*	*	*	*	*	*	--	--			No	r u n o f f		0.230	*	
	W23	6.005	FFR-1	2:03 P-9	135	0.27	1.92	0.72	0.12	--	--	3:02 P-9	6:22 P-9	.00	Trace	3:02 P-9	0.270	*	
June 15	C	--	CFR-1	3:15P	215	0.29	1.66	.83	0.11	--	--			No	r u n o f f		0.290	*	Lespedeza 3"
	W23	6.005	FFR-1	3:21 P-15	230	0.55	3.04	1.53	0.49	--	--	4:30 P-15	1:22 A-16	0.003	0.04	4:34 P-15	0.547	*	
June 16-17	C5	1.412	CFR-1	5:13 P-16	250	0.39	2.16	1.00	0.52	--	--	3:40 P-16	7:05 P-16	0.012	0.01	5:42 P-16	0.378	0.008	Included from rain of 6/15/37
	C6	1.632	*	*	*	*	*	*	*	--	--	3:22 P-16	6:52 P-16	0.005	0.01	5:02 P-16	0.382	0.002	" " " "
	C7	1.796	*	*	*	*	*	*	*	--	--	3:29 P-16	8:15 P-16	0.012	0.02	5:44 P-16	0.378	0.008	" " " "
	C8	5.123	*	*	*	*	*	*	*	--	--	3:40 P-16	7:33 P-16	0.002	Trace	3:41 P-16	0.388	0.002	" " " "
	W23	6.005	FFR-1	5:13 P-16	265	0.31	1.14	0.55	0.34	--	--	3:30 A-17	8:23 A-17	0.002	0.01	4:30 A-17	0.308	None	
June 17	C5	1.412	CFR-1	4:09 P-17	400	0.47	0.59	0.30	0.18	--	--	2:33 P-17	7:43 P-17	0.014	0.01	5:13 P-17	0.436	0.002	
	C6	1.632	*	*	*	*	*	*	*	--	--	3:02 P-17	7:42 P-17	0.009	0.005	4:42 P-17	0.481	0.001	
	C7	1.796	*	*	*	*	*	*	*	--	--	3:20 P-17	5:27 A-18	0.323	0.01	11:50 P-17	0.442	0.003	
	C8	5.123	*	*	*	*	*	*	*	--	--	3:10 P-17	7:10 P-17	0.012	0.03	5:00 P-17	0.458	None	
	W23	6.005	FFR-1	1:06 P-17	110	0.14	0.39	0.32	0.19	--	--	3:20 P-17	9:20 P-17	0.002	0.01	5:00 P-17	0.138	*	
June 18	C5	1.412	CFR-1	5:09P	250	0.12	0.36	0.25	0.11	--	--			No	r u n o f f		0.120	None	
June 19	C5	1.412	CFR-1	2:13 P-19	15	0.08	0.60	0.32	0.16	--	--	3:47 P-19	5:37 P-19	Trace	Trace	4:37 P-19	0.080	None	
	C6	1.632	*	*	*	*	*	*	*	--	--	3:50 P-19	6:50 P-19	Trace	*	5:00 P-19	0.080	*	
	C7	1.796	*	*	*	*	*	*	*	--	--	3:20 P-19	6:56 P-19	0.012	0.01	4:26 P-19	0.068	*	
	C8	5.123	*	*	*	*	*	*	*	--	--			No	r u n o f f		0.080	*	
	W23	6.005	FFR-1	2:18 P-19	10	0.10	0.96	0.40	0.20	--	--	3:16 P-19	5:35 P-19	0.002	0.01	5:05 P-19	0.098	*	
June 22	--	--	CFR-1	2:06	5	0.02	0.17	0.08	0.04	--	--			No	r u n o f f		0.020	None	
June 25	C5	1.412	*	2:50 P-25	25	0.30	2.30	0.73	1.12	--	--	7:19 P-24	8:22 P-25	0.017	0.07	7:44 P-25	0.283	0.007	
	C6	1.632	*	*	*	*	*	*	*	--	--	7:18 P-25	8:26 P-25	0.009	0.02	7:50 P-25	0.291	0.003	

Form C.S.-343

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
DIVISION OF RESEARCH

Month _____ 1937

Project: STATESVILLE, NORTH CAROLINA

RECORD OF SINGLE STORMS AND THEIR RUN-OFFS ON VARIOUS WATERSHEDS

Sheet 24 of _____ sheets

Date	Watershed Number	Watershed Area	Gage No.	Rainfall Time Begun	Duration Minutes	Amount Inches	Maximum Intensity 5 minutes Inches per hour	Maximum Intensity 15 minutes Inches per hour	Maximum Intensity 30 minutes Inches per hour	Maximum Temperature °F	Minimum Temperature °F	Runoff Time Begun	Runoff Time Ended	Amount Inches	Maximum Rate Rate	Maximum Rate Time	Maximum Monthly Runoff Inches	Soil Loss Tons per acre	Condition of Watershed
1.	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
June 26	C7	1.796	CPR-1	6:56 P-26	20	0.56	2.66	1.78	1.12	--	--	7:14 P-26	12:31 A-27	0.134	0.10	7:17 P-26	0.426	0.037	
	C8	5.123	•	•	•	•	•	•	•	--	--	7:14 P-26	8:00 P-26	0.020	0.06	7:23 P-26	0.540	None	
	W23	6.005	FYR-1	7:00 P-26	31	0.43	3.12	1.46	0.85	--	--	7:27 P-26	8:20 P-26	0.002	0.04	7:31 P-26	0.428	None	
June 27	--	--	CPR-1	Indefinite		0.01	Unknown							No	r u n o f f		0.010	None	
June 29	--	--	•			•								"	"		"	"	
June 30	--	--	•	1:53P	50	0.10	0.60	0.32	0.17	--	--			No	r u n o f f		0.100	None	
July 4	C5	1.412	CPR-1	8:56 P-4	60	0.49	5.15	3.07	1.68	--	--	9:08 P-4	1:37 A-5	0.127	0.19	9:14 P-4	0.763	0.054	
	C6	1.632	•	•	•	•	•	•	•	--	--	9:08 P-4	7:35 A-5	0.012	0.03	9:13 P-4	0.878	0.004	
	C7	1.796	•	•	•	•	•	•	•	--	--	9:05 P-4	1:52 P-5	0.152	0.22	9:14 P-4	0.408	0.061	
	C8	5.123	•	•	•	•	•	•	•	--	--	9:00 P-4	10:27 P-4	0.073	2.42	9:08 P-4	0.817	0.020	
	W23	6.005	FYR-1	8:55P	63	0.89	4.13	2.79	1.83	--	--	--	--	No	R u n o f f		0.890	0.001	
July 5	--	--	CPR-1	10:57	30	0.05	0.11	0.11	0.10	--	--			•	•		0.05	None	
July 6	C5	1.412	•	5:17 P-6	123	2.02	5.72	5.47	3.78	--	--	5:25 P-6	1:31 A-7	1.06	1.24	5:44 P-6	0.96	0.275	Lespedeza-4"
	C6	1.632	•	•	•	•	•	•	•	--	--	5:27 P-6	2:30 A-7	1.10	1.43	5:40 P-6	0.92	0.136	• •
	C7	1.796	•	•	•	•	•	•	•	--	--	5:22 P-6	2:40 A-7	1.46	1.06	5:46 P-6	0.56	0.273	
	C8	5.123	•	•	•	•	•	•	•	--	--	5:25 P-6	7:46 P-6	1.11	20.31	5:42 P-6	0.88	0.720	Lespedeza 3"
	W23	6.005	FYR-1	5:16 P-6	107	1.45	5.40	4.32	2.69	--	--	5:37 P-6	4:32 A-7	0.04	0.16	5:42 P-6	1.41	0.001	Forest -2" litter
July 7	--	--	CPR-1	12:43P	10	0.08	0.80	0.32	0.16	--	--			No	r u n o f f		0.060	None	
July 12	--	--	•	Indefinite		0.01	unknown							•	•		0.010	•	
July 14	--	--	•	3:47P	11	0.10	0.67	0.40	0.20	--	--			•	•		0.100	•	
July 16	C5	1.412	•	4:40 P-16	48	0.50	1.53	1.02	0.67	--	--	Indefinite		0.008	Indefinite		0.492	0.003	Lespedeza 4"
	C6	1.632	•	•	•	•	•	•	•	--	--			No	r u n o f f		0.500	None	• •
	C7	1.796	•	•	•	•	•	•	•	--	--	5:08 P-16	7:56 P-16	0.009	0.01	5:15 P-16	0.491	0.002	• •
	C8	5.123	•	•	•	•	•	•	•	--	--	5:02 P-16	6:26 P-16	0.011	0.22	5:19 P-16	0.489	0.016	• 3"
	W23	6.005	FYR-1	4:53	40	0.16	1.68	1.04	0.89	--	--	5:17 P-16	7:30 P-16	0.002	Trace	5:18 P-16	0.158	None	
July 19-20	C5	1.412	CPR-1	9:34	1100	0.06	0.60	0.20	0.10	--	--			No	r u n o f f		0.060	None	
July 21	--	--	CPR-1	4:50P	10	0.01	0.06	0.04	0.02	--	--			•			0.010	None	
July 21-25	--	--	•	8:44P	1165	0.34	0.84	0.42	0.34					•	•		0.340	•	
July 29	--	--	CPR-1	1:33P	416	0.10	0.63	0.23	0.11	--	--			No	r u n o f f		0.100	None	
July 30-31	--	--	•	9:40P	150	0.09	0.07	0.07	0.07	--	--			•	•		0.090	•	
Aug. 2	--	--	•	6:13P	55	0.34	0.66	0.55	0.52	--	--			No	r u n o f f		0.340	•	
Aug. 7-8	C5	1.412	•	2:57 P-7	1512	0.81	2.94	1.40	1.34	--	--	3:17 P-7	7:45 P-7	0.018	0.02	3:28 P-7	0.792	0.005	
	C6	1.632	•	•	•	•	•	•		--	--	3:26 P-7	7:34 P-7	0.013	0.01	3:27 P-7	0.797	0.002	
	C7	1.796	•	•	•	•	•	•	•	--	--	3:14 P-7	7:59 P-7	0.123	0.10	3:29 P-7	0.687	0.015	
	C8	5.123	•	•	•	•	•	•	•	--	--	3:01 P-7	6:57 P-7	0.021	0.54	3:22 P-7	0.789	0.027	
	W23	6.005	FYR-1	2:55 P-7	1480	0.64	1.04	1.16	0.92	--	--	3:44 P-7	7:59 P-8	0.021	Trace	5:04 P-7	0.639	None	
Aug. 9	C5	1.412	CPR-1	4:16 P-9	215	0.86	2.52	1.24	0.69	--	--	5:24 P-9	10:17 P-9	0.073	0.05	5:57 P-9	0.817	0.004	Lespedeza 5"
	C6	1.632	•	•	•	•	•	•	•	--	--	5:24 P-9	12:51 A-10	0.090	0.01	5:31 P-9	0.870	0.001	• •
	C7	1.796	•	•	•	•	•	•	•	--	--	5:18 P-9	2:30 A-10	0.329	0.16	6:30 P-9	0.561	0.025	• •
	C8	5.123	•	•	•	•	•	•	•	--	--	5:17 P-9	9:27 P-9	0.017	0.27	6:31 P-9	0.873	0.017	• 4"
	W23	6.005	FYR-1	5:13 P-9	192	0.87	2.20	1.36	0.80	--	--	5:31 P-9	1:51 A-10	0.028	0.10	5:54 P-9	0.844	0.001	Forest 2" litter
Aug. 11	--	--	CPR-1	4:19P	10	0.02	0.06	0.04	0.02	--	--			No	r u n o f f				
Aug. 12	C5	1.412	CPR-1	3:50 P-12	140	0.56	1.14	0.50	0.43	--	--	3:56 P-12	3:01 A-13	0.051	0.23	10:50 P-12	0.539	0.005	
	C6	1.632	•	•	•	•	•	•	•	--	--	Pen failed		0.229	Pen failed		0.561	0.002	
	C7	1.796	•	•	•	•	•	•	•	--	--	4:04 P-12	4:09 A-13	0.167	0.10	11:21 P-12	0.123	0.013	
	C8	5.123	•	•	•	•	•	•	•	--	--	4:00 P-12	1:10 A-13	0.028	0.32	10:47 P-12	0.502	0.014	
	W23	6.005	FYR-1	3:49 P-12	•	0.51	1.50	0.83	0.47	--	--	3:55 P-12	4:35 A-13	0.006	0.02	10:55 P-12	0.504	None	
Aug. 20	C5	1.412	CPR-1	2:52 P-20	40	0.95	1.88	1.59	1.28	--	--	3:02 P-20	7:28 P-20	0.150	0.19	3:45 P-20	0.770	0.013	Lespedeza 5"
	C6	1.632	•	•	•	•	•	•	•	--	--	3:05 P-20	3:20 P-20	0.112	0.13	3:35 P-20	0.808	0.004	• •
	C7	1.796	•	•	•	•	•	•	•	--	--	3:02 P-20	10:00 P-20	0.330	0.30	3:30 P-20	0.470	0.027	• •
	C8	5.123	•	•	•	•	•	•	•	--	--	3:00 P-20	5:19 P-20	0.104	1.40	3:06 P-20	0.846	0.022	Forest 2" litter
	W23	6.005	FYR-1	2:43 P-20	63	0.56	1.68	0.82	0.40	--	--	3:39 P-20	9:50 P-20	0.004	0.06	9:21 P-20	0.552	None	Forest - 2" litter

Form S. C. S.-[illegible]

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
DIVISION OF RESEARCH

Month _____ 19 37

Project STATESVILLE, NORTH CAROLINA

RECORD OF SINGLE STORMS AND THEIR RUN-OFFS ON VARIOUS WATERSHEDS

Sheet 25 of _____ sheets

Date	Watershed Number	Watershed Area (Acres)	Rainfall Gage No.	Rainfall Begins	Rainfall Ends	Rainfall Amount	Maximum Intensity 15 min. (Inches per hour)	Maximum Intensity 30 min. (Inches per hour)	Maximum Intensity 60 min. (Inches per hour)	Temperature (Degrees F) Maximum	Temperature (Degrees F) Minimum	Runoff Begins	Runoff Ends	Runoff Amount	Maximum Rate (Cu. ft. per sec.)	Maximum Rate Time	Rainfall Minus Runoff Amount	Soil Loss (Lbs. per acre)	Condition of Watershed
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Aug. 22	--	--	CFR-1	6:44P	60	0.07	0.06	0.06	0.06	--	--			No	r u n o f f		0.070	None	
Aug. 24	C5	1.412	CFR-1	5:40 A-24	407	1.43	2.68	1.2	1.52	--	--	6:02 A-24	7:01 P-24	0.448	0.22	6:13 A-24	0.982	0.335	
	C6	1.632	"	"	"	"	"	"	"	--	--	6:04 A-24	10:31 A-25	0.658	0.22	6:15 A-24	0.772	0.225	
	C7	1.796	"	"	"	"	"	"	"	--	--	6:01 A-24	9:39 P-24	0.806	0.22	6:15 A-24	0.624	0.242	
	C8	5.123	"	"	"	"	"	"	"	--	--	5:59 A-24	2:30 A-25	0.252	2.17	6:15 A-24	1.180	0.248	
Aug. 24	W23	6.005	FFR-1	5:42 A-24	395	1.39	3.72	2.54	1.64	--	--	6:01 A-24	2:54 P-24	0.034	0.32	6:07 A-24	1.356	0.002	
Aug. 24-25	--	--	CFR-1	5:58P	445	0.10	0.73	0.28	0.14	--	--	Included with rain of 8/24/37					0.100	None	
Aug. 26	--	--	CFR-1	1:57P	73	0.02	0.38	0.06	0.02	--	--			No	r u n o f f		0.020	None	
Aug. 28-30	C5	1.412	"	8:27 P-26	1890	1.39	2.40	1.56	0.88	--	--	3:35 P-29	1:23 P-31	0.344	0.13	4:20 P-29	1.046	0.215	
	C6	1.632	"	"	"	"	"	"	"	--	--	4:06 P-29	12:30 P-31	0.447	0.10	4:22 P-29	0.943	0.008	
	C7	1.796	"	"	"	"	"	"	"	--	--	4:03 P-29	1:10 P-31	0.723	0.22	4:56 P-29	0.667	0.031	
	C8	5.123	"	"	"	"	"	"	"	--	--	10:13 P-28	6:27 A-31	0.207	1.66	4:05 P-29	1.183	0.028	
	W23	6.005	FFR-1	5:15 P-29	1883	1.39	2.88	1.55	0.87	--	--	4:06 P-29	7:04 A-31	0.042	0.14	4:11 P-29	1.252	0.001	
Aug. 30-31	--	--	CFR-1	1:57P	940	0.73	1.56	0.64	0.18	--	--	Included with rain of 8/29-30/37					0.730	None	
Sept. 6	C	--	"	2:35A	1170	0.17	0.72	0.22	0.14	--	--			No	r u n o f f		0.170	"	
	W23	6.005	FFR-1	2:44	1160	0.17	0.74	0.32	0.15	--	--	3:43A	7:33A	0.002	Trace	5:03A	0.168	"	
Sept. 7-8	--	--	CFR-1	4:47P	835	0.50	0.27	0.16	0.32	--	--			No	r u n o f f		0.500	"	
Sept. 17	--	--	"	3:09A	20	0.04	0.24	0.08	0.06	--	--			"	"		0.040	"	
Sept. 26-27	C5	1.412	"	2:33 P-26	1575	1.28	0.43	0.24	0.21	--	--	2:48 A-27	1:33 P-27	0.007	0.01	3:33 A-27	1.273	0.001	
	C6	1.632	"	"	"	"	"	"	"	--	--	3:14 A-27	12:39 P-27	0.003	0.01	4:39 A-27	1.277	None	
	C7	1.796	"	"	"	"	"	"	"	--	--	2:51 A-27	12:21 P-27	0.002	Trace	3:51 A-27	1.278	"	
	C8	5.123	"	"	"	"	"	"	"	--	--			No	r u n o f f		1.280	"	
	W23	6.005	FFR-1	2:40 P-26	1560	1.20	0.43	0.25	0.23	--	--	11:57 A-27	12:27 A-28	0.005	0.01	1:27 P-27	1.195	"	
Oct. 1	--	--	CFR-1	9:48P	120	0.04	0.01	0.01	0.01	--	--			No	r u n o f f		0.040	"	
Oct. 3-5	C5	1.412	"	11:18 A-3	2915	1.04	0.48	0.30	0.29	--	--	9:32 P-3	7:02 A-5	0.210	0.01	10:32 P-3	1.230	"	
	C6	1.632	"	"	"	"	"	"	"	--	--	9:21 P-3	7:31 A-4	0.002	0.01	4:52 A-4	1.238	"	
	C7	1.796	"	"	"	"	"	"	"	--	--	8:41 P-3	7:11 A-5	0.206	0.01	11:11 P-3	1.234	"	
Oct. 3-5	C8	5.123	CFR-1	11:18 A-3	2915	1.04	0.48	0.30	0.29	--	--			No	r u n o f f		1.040	None	
	W23	6.005	FFR-1	11:22 A-3	2925	1.02	0.45	0.41	0.29	--	--	9:45 P-3	2:32 A-6	0.045	0.02	11:00 P-3	0.975	0.001	
Oct. 5	--	--	CFR-1	Indefinite		0.01	unknown			--	--			No	r u n o f f		0.010	None	
Oct. 9	--	--	"	5:17P	330	0.13	0.12	0.08	0.06	--	--			"	"		0.130	"	
Oct. 13	--	--	"	6:42P	210	0.02	0.01	0.01	0.01	--	--			"	"		0.020	"	
Oct. 18-19	C5	1.412	"	1:56 P-18	1350	4.04	3.36	2.28	2.00	--	--	5:06 A-19	6:28 P-19	1.45	0.61	9:35 A-19	--	0.053	Lespedeza after frost 10/15-17/32- 6"
	C6	1.632	"	"	"	"	"	"	"	--	--	4:35 A-19	8:02 P-19	1.62	0.77	9:20 A-19	--	0.033	" "
	C7	1.796	"	"	"	"	"	"	"	--	--	12:02 A-19	11:02 P-19	2.27	0.86	10:35 A-19	--	0.066	" "
	C8	5.123	"	"	"	"	"	"	"	--	--	3:05 A-19	9:32 P-19	0.72	0.15	9:25 A-19	--	0.065	" "
	W23	6.005	FFR-1	2:04 P-18	1370	4.05	1.20	2.30	1.38	--	--	3:25 P-18	10:13 P-19	0.36	0.1	9:12 A-19	--	None	1/3 saw timber cut - forest 10/15-17/37
Oct. 19-20	C5	1.412	CFR-1	10:17 P-19	90	0.82	2.18	1.52	0.92	--	--	--	7:51A	0.25	--	--	0.800	None	Silt loss included in preceding storm
	C6	1.632	"	"	"	"	"	"	"	--	--	--	8:31A	0.41	--	--	"	"	" " "
	C7	1.796	"	"	"	"	"	"	"	--	--	11:02P	11:00A	0.63	--	--	"	"	" " "
	C8	5.123	"	"	"	"	"	"	"	--	--	--	1:18P	0.26	--	--	"	"	" " "
	W23	6.005	FFR-1	10:19 P-19	100	0.75	2.22	1.32	0.90	--	--	10:33P	12:32 P-21	0.26	--	--	0.750	"	" " "
Oct. 22	C5	1.412	CFR-1	2:53 P-22	430	0.9	0.25	0.19	0.14	--	--	3:10 P-22	6:50 P-22	0.04	0.01	4:00 P-22	0.876	0.001	
	C6	1.632	"	"	"	"	"	"	"	--	--	3:19 P-22	6:02 P-22	0.099	0.04	4:45 P-22	0.801	None	
	C7	1.796	"	"	"	"	"	"	"	--	--	3:15 P-22	1:56 A-23	0.018	0.01	4:51 P-22	0.872	"	
	C8	5.123	"	"	"	"	"	"	"	--	--	3:10 P-22	1:15 A-23	0.008	0.02	4:55 P-22	0.892	0.001	
	W23	6.005	FFR-1	"	"	0.47	0.27	0.22	0.16	--	--	3:18 P-22	9:33 A-23	0.039	0.03	4:55 P-22	0.431	0.013	
Oct. 26-27	C5	1.412	CFR-1	4:45 P-26	603	1.49	1.88	0.49	0.51	--	--	5:39 P-26	7:14 A-27	0.254	0.07	10:39 P-26	1.226	0.009	
	C6	1.632	"	"	"	"	"	"	"	--	--	5:51 P-26	12:14 A-27	0.356	0.07	10:51 P-26	1.136	0.006	
	C7	1.796	"	"	"	"	"	"	"	--	--	5:22 P-26	1:22 A-27	0.254	0.02	8:22 P-26	1.309	0.022	
	C8	5.123	"	"	"	"	"	"	"	--	--	4:51 P-26	10:18 A-27	0.157	0.32	5:33 P-26	1.333	0.015	
	W23	6.005	FFR-1	4:44 P-26	900	1.45	1.82	0.93	0.58	--	--	4:51 P-26	3:50 A-28	0.275	0.09	4:45 A-27	1.175	0.002	

Form S. C. S.-443

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
DIVISION OF RESEARCH

Month _____ 1937

Project STATESVILLE, NORTH CAROLINA

RECORD OF SINGLE STORMS AND THEIR RUN-OFFS ON VARIOUS WATERSHEDS

Sheet 26 of _____ sheets

Date	Watershed Number	Watershed Area Acres	Rainfall Gage No.	Rainfall Begins Hour	Rainfall Ceases Hour	Rainfall Amount Inches	Maximum Intensity 1 Minutes Inches per hour	Maximum Intensity 5 Minutes Inches per hour	Maximum Intensity 30 Minutes Inches per hour	Temperature Below 32° F Maximum	Temperature Below 32° F Minimum	Runoff Begins Hour	Runoff Ends Hour	Runoff Amount Inches	Maximum Rate Cu. ft. per sec.	Maximum Rate Time	Rainfall Minus Runoff Inches	Daily Loss Inches per acre	Condition of Watershed
1	2	3	4	5	6	7	8	9	10	11		12	13	14	15	16	17	18	19
Oct. 27	C	--	CPR-1	3:58P	65	0.04	0.03	0.03	0.03	--	--			No	r u n	o f f	0.040	None	
Nov. 11-12	C5	1.412	CPR-1	1:47 A-11	2500	1.10	0.43	0.43	0.17	--	--	2:59 A-12	2:37 P-12	0.100	0.02	4:59 A-12	1.294	0.001	Lespedeza 6"
	C6	1.632	"	"	"	"	"	"	"	--	--	2:55 A-12	2:25 P-12	0.120	0.03	10:05 A-12	1.274	0.001	" "
	C7	1.756	"	"	"	"	"	"	"	--	--	2:56 A-12	7:51 A-13	0.627	0.16	7:46 A-12	0.773	0.008	" "
	C8	5.123	"	"	"	"	"	"	"	--	--	3:33 A-12	10:25 A-12	0.024	0.06	7:03 A-12	1.376	0.003	" "
	W23	6.005	"	"	"	"	"	0.12	"	--	--	3:16 A-12	1:16 A-13	0.032	0.03	7:16 A-12	1.308	0.001	2/3 saw timber cut 11/10/37 2" litter
Nov. 16	--	--	CPR-1	6:57A	120	0.02	0.01	0.01	0.01	--	--			No	r u n	o f f	0.020	None	
Nov. 19	--	--	CPR-1	1:19P	250	0.05	0.04	0.04	0.04	--	--			"		"	0.050	"	
Nov. 26-27	C5	1.412	"	8:01 P-26	1258	0.81	0.50	0.27	0.19	--	--	3:00 A-27	12:52 P-27	0.007	0.01	5:00 A-27	0.803	"	
	C6	1.632	"	"	"	"	"	"	"	--	--	3:00 A-27	12:52 P-27	0.005	0.01	5:27 A-27	0.805	"	
	C7	1.756	"	"	"	"	"	"	"	--	--	2:54 A-27	1:24 P-27	0.003	0.01	5:49 A-27	0.807	"	
	C8	5.123	"	"	"	"	"	"	"	--	--			No	r u n	o f f	0.810	"	
	W23	6.005	FPR-1	8:16 P-26	1280	0.82	0.27	0.23	0.18	--	--	3:04 A-27	6:04 A-27	0.001	Trace	5:04 A-27	0.819	"	
Dec. 4-5	C5	1.412	CPR-1	11:20 P-4	1472	0.51	0.24	0.23	0.14	--	--	9:48 P-5	11:43 P-5	0.007	0.01	10:25 P-5	0.503	0.001	Lespedeza -seed harvested-stubble
	C6	1.632	"	"	"	"	"	"	"	--	--	3:30 P-5	6:21 P-5	0.002	Trace	5:01 P-5	0.508	None	" " " "
	C7	1.756	"	"	"	"	"	"	"	--	--	2:23 P-5	1:13 A-6	0.013	0.01	6:54 P-5	0.497	0.001	" " " "
	C8	5.123	"	"	"	"	"	"	"	--	--			No	r u n	o f f	0.510	None	Lespedeza winter stage harvested 12/3/37
	W23	6.005	FPR-1	11:22 P-4	1478	0.52	0.13	0.12	0.11	--	--			No	r u n	o f f	0.520	"	
Dec. 8-9	--	--	CPR-1	11:18P	220	0.09	0.04	0.04	0.04	--	--			No	r u n	o f f	0.090	"	Lespedeza - seed harvested. Forest 2" litter, 2/3 saw timber cut
Dec. 17	--	--	"	1:32P	595	0.11	0.24	0.12	0.08	--	--			No	r u n	o f f	0.110	None	
Dec. 22-24	C5	1.412	"	9:12 P-22	1965	0.72	0.24	0.16	0.14	--	--	9:20 A-23	6:35 P-23	0.008	0.01	11:20 A-23	0.712	0.001	
	C6	1.632	"	"	"	"	"	"	"	--	--			No	r u n	o f f	0.720	None	
	C7	1.756	"	"	"	"	"	"	"	--	--	8:48 A-23	7:13 P-23	0.008	0.01	12:13 P-23	0.712	"	
	C8	5.123	"	"	"	"	"	"	"	--	--			No	r u n	o f f	0.720	"	
	W23	6.005	FPR-1	9:37 P-22	1905	0.73	0.19	0.18	0.17	--	--	9:09 A-23	5:59 P-23	0.001	0.01	3:39 P-23	0.729	"	
Dec. 27-28	C5	1.412	CPR-1	1:10 P-27	965	0.78	0.28	0.20	0.17	--	--	3:20 P-27	1:50 A-28	0.038	0.01	4:40 P-27	0.742	0.001	Lespedeza - winter stage
	C6	1.632	"	"	"	"	"	"	"	--	--	3:00 P-27	12:45 A-28	0.060	0.02	5:05 P-27	0.730	0.007	" " "
	C7	1.756	"	"	"	"	"	"	"	--	--	3:12 P-27	6:42 A-28	0.218	0.05	10:42 P-27	0.562	0.006	" " "
	C8	5.123	"	"	"	"	"	"	"	--	--	2:56 P-27	12:12 A-28	0.020	0.03	4:43 P-27	0.760	None	" " "
	W23	6.005	FPR-1	1:01 P-27	770	0.78	0.25	0.23	0.16	--	--	3:08 P-27	6:58 A-28	0.002	0.01	4:08 P-27	0.778	"	Forest 2" litter -2/3 saw timber cut

Form S. C. S.-[illegible]

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
DIVISION OF RESEARCH

Month _____ 1938

Project STATESVILLE, NORTH CAROLINA

RECORD OF SINGLE STORMS AND THEIR RUN-OFFS ON VARIOUS WATERSHEDS

Sheet 27 of _____ sheets

Date	Watershed Number	Watershed Area (acres)	Rainfall Gage No.	Rainfall Begins (hour)	Rainfall Ceases (hour)	Rainfall Amount (inches)	Maximum Intensity 5 minutes (inches per hour)	Maximum Intensity 15 minutes (inches per hour)	Maximum Intensity 30 minutes (inches per hour)	Temperature (degrees F) Maximum	Temperature (degrees F) Minimum	Runoff Begins (hour)	Runoff Ceases (hour)	Runoff Amount (inches)	Maximum Rate Quantity	Maximum Rate Time	Rainfall Minus Runoff (inches)	Soil Loss (tons per acre)	Condition of Watershed
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Jan. 1-2	C5	1.412	CFR-1	4:16 P-1	5:30	0.62	0.24	0.21	0.15	--	--	9:08 P-1	9:58 A-2	0.030	0.01	10:58 P-1	0.590	0.001	Terraces C5, C6, C7 and and
	C6	1.632	"	"	"	"	"	"	"	--	--	8:50 P-1	7:35 A-2	0.022	0.01	12:05 A-2	0.598	0.001	watershed C8 in respects. Mowed for weed control July 16-22. Harvested hay Sept. 1-15.
	C7	1.796	"	"	"	"	"	"	"	--	--	9:34 P-1	8:31 A-2	0.126	0.05	5:11 A-2	0.492	0.006	Hay yield: C5 1.08 tons per acre
	C8	5.123	"	"	"	"	"	"	"	--	--			No	r u n o f f		0.620	None	C6 1.41 " " "
																			C7 1.11 " " "
	W23	6.005	FFR-1	4:05 P-1	6:70	0.59	0.34	0.23	0.16	--	--	8:59 P-1	7:34 A-2	0.001	0.01	4:29 A-2	0.589	"	C8 2.08 " " "
Jan. 6-7	C5	1.412	CFR-1	4:10 P-6	5:75	0.78	0.30	0.24	0.20	--	--	9:25 P-6	7:45 A-7	0.052	0.02	5:55 A-7	0.728	None	Watershed W-23:
	C6	1.632	"	"	"	"	"	"	"	--	--	9:21 P-6	7:06 A-7	0.067	0.02	4:31 A-7	0.713	"	Cutting operation during the winter of 1937-38 removed all commercial trees down to a
	C7	1.796	"	"	"	"	"	"	"	--	--	9:31 P-6	12:26 P-7	0.170	0.05	4:41 A-7	0.610	0.011	8 or 9 inch stump. There was left on the area a conglomeration of tops, broken saplings, snags, and a scattering of
	C8	5.123	"	"	"	"	"	"	"	--	--	9:31 P-6	6:56 A-7	0.011	0.02	11:56 P-6	0.769	0.002	non-commercial species.
	W23	6.005	FFR-1	4:01 P-6	6:50	0.82	0.26	0.25	0.22	--	--	9:06 P-6	12:56 P-7	0.005	0.01	4:44 A-7	0.815	None	
Jan. 10-11	C5	1.412	CFR-1	10:25 P-10	3:40	0.30	0.09	0.09	0.09	--	--	3:34 A-11	12:39 P-11	0.004	0.01	4:54 A-11	0.296	None	Snow
	C6	1.632	"	"	"	"	"	"	"	--	--	3:05 A-11	12:50 P-11	0.003	0.01	3:30 A-11	0.297	"	
	C7	1.796	"	"	"	"	"	"	"	--	--	2:42 A-11	1:17 P-11	0.005	0.01	4:57 A-11	0.295	"	
	C8	5.123	"	"	"	"	"	"	"	--	--			No	r u n o f f		0.300	"	
	W23	6.005	FFR-1	10:02 P-10	4:00	0.30	0.09	0.09	0.08	--	--			"	"		0.300	"	
Jan. 12	--	--	CFR-1	9:22P	10	0.03	0.18	0.12	0.06	--	--			"	"		0.030	None	
Jan. 18-20	--	--	"	Indefinite		0.01	Unknown			--	--			"	"		0.010	"	
Jan. 22	--	--	"	9:[illegible]A	235	0.08	0.13	0.09	0.06	--	--			"	"		0.080	"	
Jan. 24	C5	1.412	"	3:31 A-24	11:00	0.55	0.36	0.30	0.19	--	--	8:53 A-24	7:38 P-24	0.015	0.01	4:05 P-24	0.535	0.001	
	C6	1.632	"	"	"	"	"	"	"	--	--	9:24 A-24	7:09 P-24	0.006	0.01	11:29 A-24	0.544	None	
	C7	1.796	"	"	"	"	"	"	"	--	--	9:00 A-24	7:10 P-24	0.060	0.02	10:30 A-24	0.490	"	
	C8	5.123	"	"	"	"	"	"	"	--	--			No	r u n o f f		0.550	"	
	W23	6.005	FFR-1	3:53 A-24	11:47	0.53	0.36	0.30	0.17	--	--	9:03 A-24	7:28 P-24	Trace	0.01	5:53 P-24	0.530	"	
Jan. 31	C5	1.412	CFR-1	5:37 A-31	2:70	0.35	0.31	0.22	0.18	--	--	8:50 A-31	5:03 P-31	0.002	0.01	4:45 P-31	0.348	None	
	others		"	"	"	"	"	"	"	--	--			No	r u n o f f		0.350	"	
Feb. 6	--	--	CFR-1	3:00A	1:20	0.01	0.01	0.01	0.01	--	--			No	r u n o f f		0.010	None	
Feb. 11	--	--	"	12:31A	1:50	0.05	0.06	0.04	0.03	--	--			"	"		0.050	"	
Feb. 14	--	--	"	2:55P	2:5	0.05	0.30	0.21	0.12	--	--			"	"		0.050	"	
Feb. 15-16	--	--	"	10:38P	6:75	0.07	0.22	0.02	0.02	--	--			"	"		0.070	"	
Feb. 17-19	--	--	"	8:17P	2:77	0.27	0.30	0.14	0.06	--	--			"	"		0.270	"	
Feb. 23	C5	1.412	"	2:00 A-23	8:55	0.82	0.60	0.32	0.25	--	--	8:12 A-23	8:27 P-23	0.034	0.02	4:27 P-23	0.786	0.001	
	C6	1.632	"	"	"	"	"	"	"	--	--	9:01 A-23	7:36 P-23	0.017	0.01	5:01 P-23	0.803	0.001	
	C7	1.796	"	"	"	"	"	"	"	--	--	7:48 A-23	8:03 P-23	0.098	0.02	4:08 P-23	0.722	None	
	C8	5.123	"	"	"	"	"	"	"	--	--	8:02 A-23	5:22 P-23	0.004	0.02	4:58 P-23	0.816	"	
	W23	6.005	FFR-1	2:14 A-23	8:60	0.80	0.36	0.24	0.21	--	--	9:30 A-23	8:[illegible] P-23	0.001	0.01	4:00 P-23	0.799	"	
Mar. 3	C5	1.412	CFR-1	6:20 A-3	4:35	0.69	1.44	0.91	0.55	--	--	10:21 A-3	6:[illegible]4 P-3	0.017	0.01	4:01 P-3	0.673	0.002	
	C6	1.632	"	"	"	"	"	"	"	--	--	10:05 A-3	6:20 P-3	0.009	0.01	5:05 P-3	0.681	0.001	
	C7	1.796	"	"	"	"	"	"	"	--	--	10:11 A-3	4:48 P-3	0.010	0.01	4:01 P-3	0.680	0.001	
	C8	5.123	"	"	"	"	"	"	"	--	--			No	r u n o f f		0.690	None	
	W23	6.005	FFR-1	6:25 A-3	4:30	0.65	1.38	0.82	0.48	--	--	8:22 A-3	3:22 P-3	0.002	0.01	1:32 P-3	0.648	"	
Mar. 6	C5	1.412	CFR-1	2:03 A-6	1:71	0.38	1.08	0.55	0.40	--	--	2:18 A-6	11:52 A-6	0.009	0.01	10:58 A-6	0.371	0.001	
	C6	1.632	"	"	"	"	"	"	"	--	--	3:10 A-6	12:07 P-6	0.002	0.01	11:35 A-6	0.378	None	
	C7	1.796	"	"	"	"	"	"	"	--	--	4:03 A-6	12:00 P-6	0.006	0.01	5:00 A-6	0.374	0.001	
	C8	5.123	"	"	"	"	"	"	"	--	--			No	r u n o f f		0.380	None	
	W23	6.005	FFR-1	2:[illegible] A-6	1:[illegible]	0.37	2.00	2.57	2.57	--	--	2:30 A-6	0:21 A-6	0.001	0.01	4:31 A-6	0.369	"	
Mar. 9-10	C5	1.412	CFR-1	4:33 P-9	7:95	1.60	0.48	0.35	0.31	--	--	7:08 P-9	8:38 A-10	0.179	0.05	4:33 A-10	1.221	0.009	
	C6	1.632	"	"	"	"	"	"	"	--	--	8:05 P-9	3:05 A-10	0.289	0.07	4:25 A-10	1.111	0.010	
	C7	1.796	"	"	"	"	"	"	"	--	--	8:20 P-9	12:00 A-10	0.07	0.13	4:30 A-10	0.993	0.012	
	C8	5.123	"	"	"	"	"	"	"	--	--	8:3[illegible] P-9	12:14 P-10	0.016	0.03	2:45 A-10	1.384	0.007	
	W23	6.005	FFR-1	4:12 P-9	9:05	[illegible]	2.12	0.35	0.30	--	--	1.139 P-9	[illegible] A-10	0.161	0.08	3:49 A-10	1.259	0.002	
Mar. 16	C5	1.412	CFR-1	1:57 A-16	4:85	0.45	0.67	0.38	0.36	--	--	4:51 A-16	12:11 P-16	0.004	0.01	5:11 A-16	0.396	None	

Form S. C. S.-543

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
DIVISION OF RESEARCH

Month _____ 19 38

Project STATESVILLE, NORTH CAROLINA

RECORD OF SINGLE STORMS AND THEIR RUN-OFFS ON VARIOUS WATERSHEDS

Sheet 28 of _____ sheets

Date	Watershed Number	Area Acres	Gage No.	Rainfall Begins	Rainfall Ends	Amount Inches	Maximum Intensity 5 Minutes Inches per Hour	Maximum Intensity 30 Minutes Inches per Hour	Maximum Intensity 60 Minutes Inches per Hour	Temperature Maximum	Temperature Minimum	Runoff Begins	Runoff Ends	Amount Inches	Maximum Rate Cfs per Acre	Maximum Rate Time	Rainfall Minus Runoff Inches	Soil Loss Tons per Acre	Character of Watershed
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Mar. 16	C6	1.632	CPR-1	1:57 A-10	1:55	0.40	0.67	0.56	0.36	--	--			No	r u n o f f		0.400	None	
	C7	1.796	"	"	"	"	"	"	"	-	--	4:24 A-16	11:29 A-16	0.006	0.01	4:54 A-16	0.394	0.001	
	C8	5.123	"	"	"	"	"	"	"	--	--			No	r u n o f f		0.400	None	
	W23	6.005	FFR-1	"	"	0.39	"	"	"	--	--			"	"		0.390	"	
Mar. 17	--	--	CPR-1	1:00P	250	0.11	0.24	0.08	0.07	--	--			"	"		0.110	None	
Mar. 20	--	--	CPR-1	7:22A	205	0.24	0.38	0.25	0.16	--	--			"	"		0.240	"	
Mar. 23	--	--	"	5:33P	30	0.15	0.40	0.25	0.20	--	--			"	"		0.150	"	
Mar. 30	--	--	"	1:23A	315	0.30	1.12	0.53	0.34	--	--			"	"		0.300	"	
Apr. 1-2	C5	1.112	"	12:12 P-1	1220	1.05	0.26	0.22	0.16	--	--	3:35 P-1	12:27 P-2	0.031	0.01	4:54 P-1	1.019	0.001	
	C6	1.632	"	"	"	"	"	"	"	--	--	3:23 A-2	12:43 P-2	0.015	0.01	5:33 A-2	1.035	None	
	C7	1.796	"	"	"	"	"	"	"	--	--	3:10 P-1	3:50 P-2	0.061	0.02	9:25 A-2	0.989	0.002	
	C8	5.123	"	"	"	"	"	"	"	--	--	3:05 P-1	12:00 N-2	0.003	0.02	5:25 A-2	1.047	0.001	
	W23	6.005	FFR-1	12:06 P-1	1310	0.83	0.30	0.21	0.18	--	--	4:07 A-2	2:15 P-2	0.016	0.02	10:27 A-2	0.814	None	
Apr. 6	--	--	CPR-1	5:47P	375	0.32	0.99	0.09	0.08	--	--			No	r u n o f f		0.320	None	
Apr. 7-9	C5	1.112	"	1:57 P-7	2:50	0.79	1.20	0.72	0.40	--	--	8:02 P-7	7:57 P-8	0.131	0.02	9:57 A-8	0.659	0.002	
	C6	1.632	"	"	"	"	"	"	"	--	--	7:50 P-7	8:10 P-8	0.024	0.01	10:30 A-8	0.766	0.001	
	C7	1.796	"	"	"	"	"	"	"	--	--	7:50 P-7	7:55 P-8	0.176	0.05	9:10 A-8	0.614	0.004	
	C8	5.123	"	"	"	"	"	"	"	--	--	8:50 P-7	8:00 P-8	0.008	0.08	8:04 A-8	0.782	0.001	
	W23	6.005	FFR-1	2:16 P-7	2:30	0.79	1.08	0.79	0.58	--	--	3:38 P-7	2:34 P-8	0.042	0.03	8:03 A-8	0.748	0.001	
Apr. 17	C	--	CPR-1	3:59P	360	0.55	1.24	0.89	0.63	--	--			No	r u n o f f		0.550	None	
	W23	6.005	FFR-1	4:25 P-17	382	0.54	1.16	0.90	0.63	--	--	4:42 P-17	9:47 A-18	0.004	0.03	4:57 P-17	0.536	"	
Apr. 20	--	--	CPR-1	3:37P	60	0.23	0.04	0.04	0.04	--	--			No	r u n o f f		0.030	"	
	C6	1.632	"	"	"	"	"	"	"	--	--			"	"		"	"	
	C7	1.796	"	"	"	"	"	"	"	--	--			"	"		"	"	
	C8	5.123	"	"	"	"	"	"	"	--	--			"	"		"	"	
	W23	6.005	FFR-1	"	"	"	"	"	"	--	--			"	"		"	"	
Apr. 22	--	--	CPR-1	12:25P	165	0.04	0.08	0.08	0.06	--	--			"	"		0.040	"	
Apr. 30	--	--	"	1:35P	50	0.04	0.10	0.09	0.06	--	--			"	"		0.040	"	
May 3	C	--	CPR-1	3:36P	30	0.65	4.32	2.16	1.14	--	--			"	"		0.650	"	
	W23	6.005	FFR-1	3:36P	58	0.2	3.16	1.50	0.90	--	--	3:42P	5:49P	0.001	0.02	3:59P	0.199	"	
May 5	--	--	CPR-1	12:47P	29	0.20	1.44	0.66	0.40					No	r u n o f f		0.200	"	
May 12-13	--	--	CPR-1	2:09P	210	0.14	0.06	0.06	0.06	--	--			No	r u n o f f		0.140	None	
May 13-14	C5	1.112	"	9:29 P-13	590	1.10	1.20	0.45	0.25	--	--	10:00 P-13	5:47 A-14	0.006	0.01	4:25 A-14	1.094	0.001	
	C6	1.632	"	"	"	"	"	"	"	--	--	10:07 P-13	4:52 A-14	0.003	0.01	4:17 A-14	1.097	None	
	C7	1.796	"	"	"	"	"	"	"	--	--	10:02 P-13	6:39 A-14	0.009	0.01	4:57 A-14	1.091	0.001	
	C8	5.123	"	"	"	"	"	"	"	--	--			No	r u n o f f		1.100	None	
	W23	6.005	FFR-1	1:10 P-13	1110	1.10	1.00	0.44	0.29	--	--	9:42 P-13	6:47 A-14	0.004	0.02	4:47 A-14	1.096	"	
May 14	--	--	CPR-1	5:27P	22	0.07	0.51	0.25	0.10	--	--			No	r u n o f f		0.070	None	
May 18	--	--	"	7:03A	240	0.05	0.12	0.12	0.12	--	--			"	"		0.050	"	
May 20	C	--	"	5:13P	115	0.40	2.72	1.44	0.52	--	--			"	"		0.400	"	
	W23	6.005	FFR-1	5:00 P-20	120	0.51	2.88	1.43	0.57	--	--	5:25 P-20	6:44 P-20	0.001	0.02	5:29 P-20	0.509	"	
May 22-23	C5	1.112	CPR-1	3:40 P-22	750	0.78	1.68	1.08	0.56	--	--	4:15 P-22	12:15 A-23	0.006	0.01	4:56 P-22	0.774	0.001	
	C6	1.632	"	"	"	"	"	"	"	--	--			No	r u n o f f		0.780	None	
	C7	1.796	"	"	"	"	"	"	"	--	--	4:39 P-22	6:51 P-22	0.009	0.01	5:09 P-22	0.771	0.001	
	C8	5.123	"	"	"	"	"	"	"	--	--	4:23 P-22	2:55 A-23	0.007	0.03	5:08 P-22	0.773	0.002	
	W23	6.005	FFR-1	3:37 P-22	755	0.76	1.80	1.40	0.74	--	--	3:42 P-22	6:07 A-23	0.004	0.02	4:22 P-22	0.756	None	
May 25	--	--	CPR-1	8:52P	33	0.26	1.32	0.60	0.47	--	--			No	r u n o f f		0.260	None	
May 25-26	C5	1.112	"	12:37 P-25	675	0.65	0.20	0.20	0.19	--	--	10:43 P-25	6:36 A-26	0.010	0.01	5:08 A-26	0.640	"	
	C6	1.632	"	"	"	"	"	"	"	--	--	11:09 P-25	5:52 A-26	0.005	0.01	4:52 A-26	0.645	"	
	C7	1.796	"	"	"	"	"	"	"	--	--	10:57 P-25	5:57 A-26	0.014	0.01	11:07 A-26	0.636	0.001	
	C8	5.123	"	"	"	"	"	"	"	--	--	11:01 P-25	12:50 P-26	0.003	0.02	8:31 A-26	0.647	None	
	W23	6.005	FFR-1	10:22 P-25	670	0.63	0.24	0.24	0.21	--	--	10:34 P-25	1:14 P-26	0.003	0.01	10:04 A-26	0.627	"	
May 29-30	--	--	CPR-1	1:52P	1625	0.59	0.84	0.41	0.22	--	--			No	r u n o f f		0.590	"	
	W23	6.005	FFR-1	1:58 P-29	1645	0.63	0.94	0.52	0.26	--	--	2:35 P-29	7:45 P-30	0.002	0.01	4:55 P-3	0.628	"	
June 2-3	C5	1.112	CPR-1	4:23 P-2	642	0.69	0.36	0.22	0.17	--	--	4:28 P-2	12:13 A-3	0.013	0.01	5:03 P-2	0.677	"	
	C6	1.632	"	"	"	"	"	"	"	--	--	4:50 P-2	12:05 A-3	0.004	0.01	11:15 P-2	0.686	"	
	C7	1.796	"	"	"	"	"	"	"	--	--	4:32 P-2	6:05 A-3	0.220	0.02	5:05 P-2	0.570	0.001	
	C8	5.123	"	"	"	"	"	"	"	--	--			No	r u n o f f		0.690	None	
	W23	6.005	FFR-1	4:19 P-2	635	0.74	0.52	0.26	0.21	--	--	5:01 P-2	10:11 P-4	0.038	0.03	5:11 P-2	0.702	"	

Form S. C. S.-[illegible]

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
DIVISION OF RESEARCH

Month ____ 19 38

RECORD OF SINGLE STORMS AND THEIR RUN-OFFS ON VARIOUS WATERSHEDS

Project: STATESVILLE, NORTH CAROLINA

Sheet 29 of ____ Sheets

Date	Watershed: Number	Watershed: Area Acres	Rainfall: Gage No.	Rainfall: Begins Time	Rainfall: Duration Hours	Rainfall: Amount Inches	Rainfall: Maximum Intensity: Inches per hour	Rainfall: Maximum Intensity: Inches per hour	Rainfall: Maximum Intensity: Inches per hour	Temperature Degrees F: Maximum	Temperature Degrees F: Minimum	Runoff: Begins Time	Runoff: Ends Time	Runoff: Amount Inches	Runoff: Maximum Rate: Cubic feet per second	Runoff: Maximum Rate: Time	Rainfall Minus Runoff Inches	Silt Loss Tons per acre	Condition of Watershed
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	
June 7	C5	1.412	CFR-1	5:22P	342	0.78	3.12	1.90	1.07	--	--			No	runoff		0.780	0.001	
	C6	1.632	"				"	"	"	--	--				"		"	None	
	C7	1.756	"	"		"	"	"	"	--	--				"		"	"	
	C8	5.123	"	"		"	"	"	"	--	--	5:30 P-7	2:05 A-8	0.005	0.02	6:25 P-7	0.774	"	
	W23	6.005	FFR-1	5:00 P-7	370	0.85	2.00	2.12	1.26	--	--	5:40 P-7	3:02 A-8	0.022	0.14	5:47 P-7	0.828	0.001	
June 8	C	--	CFR-1	7:12P	35	0.25	1.20	0.54	0.36	--	--			No	runoff		0.250	None	
	W23	6.005	FFR-1	7:12 P-8	51	0.30	1.36	0.79	0.46	--	--	7:27 P-8	1:06 A-9	0.002	0.01	8:22 P-8	0.298	"	
June 10	C5	1.412	CFR-1	5:35 A-10	450	1.20	4.44	2.72	1.38	--	--	12:55 P-10	9:05 P-10	0.123	0.13	1:05 P-10	1.077	0.014	
	C6	1.632	"	"	"	"	"	"	"	--	--	12:58 P-10	11:06 P-10	0.396	0.16	1:11 P-10	0.804	0.011	
	C7	1.756	"	"	"	"	"	"	"	--	--	12:51 P-10	9:06 P-10	0.341	0.19	1:01 P-10	0.859	0.025	
	C8	5.123	"	"	"	"	"	"	"	--	--	12:25 P-10	3:02 P-10	0.137	2.17	12:56 P-10	1.063	0.014	
	W23	6.005	FFR-1	5:54 A-10	435	1.33	4.09	2.89	1.44	--	--	12:21 P-10	6:46 A-12	0.284	0.32	1:01 P-10	1.066	None	
June 12	--	--	CFR-1	Indefinite		0.01		Unknown		--	--			No	runoff		0.010	"	
June 16	C	--	"	1:30P	75	0.28	1.32	0.59	0.39	--	--			"	"		0.280	"	
	W23	6.005	FFR-1	1:12 P-16	75	0.28	1.96	0.77	0.43	--	--	1:53 P-16	5:45 P-16	0.002	0.01	2:10 P-16	0.278	"	
June 17	--	--	CFR-1	8:13P	55	0.05	0.36	0.13	0.07	--	--			No	runoff		0.050	"	
June 18-20	C5	1.412	"	9:27 P-18	1751	1.25	2.22	1.39	0.77	--	--	4:49 P-19	5:42 P-19	Trace	Trace	5:24 P-19	1.250	0.047	
	C6	1.632	"	"	"	"	"	"	"	--	--	9:40 P-18	7:01 P-19	0.009	0.01	5:16 P-19	1.241	0.033	
	C7	1.756	"	"	"	"	"	"	"	--	--	10:08 P-18	6:43 P-19	0.007	0.01	5:08 P-19	1.243	0.050	
	C8	5.123	"	"	"	"	"	"	"	--	--	9:40 P-18	8:25 P-19	0.003	0.04	3:25 P-19	1.247	None	
	W23	6.005	FFR-1	9:15 P-18	1642	1.17	1.80	1.32	0.72	--	--	9:33 P-19	8:37 A-22	1.913	7.50	11:57 A-20	--	"	Includes flow of June 20.
June 20	C5	1.412	CFR-1	10:47 A-20	163	3.09	4.30	3.65	3.39	--	--	10:53 A-20	8:21 P-20	1.67	1.50	12:06 P-20	1.42	"	
	C6	1.632	"	"	"	"	"	"	"	--	--	10:54 A-20	10:34 P-20	1.98	1.17	11:59 A-20	1.11	"	
	C7	1.756	"	"	"	"	"	"	"	--	--	10:55 A-20	9:00 P-20	1.71	1.24	11:57 A-20	1.38	"	
	C8	5.123	"	"	"	"	"	"	"	--	--	10:55 A-20	3:15 P-20	1.62	3.3	11:21 A-20	1.47	"	
	W23	6.005	FFR-1	10:49 A-20	85	2.72	3.60	3.36	3.08	--	--	Included with runoff of 6/18-20/38					--	"	
June 24	--	--	CFR-1	10:14P	50	0.08	0.40	0.23	0.12	--	--			No	runoff		0.080	None	
June 27	C5	1.412	CFR-1	3:34 P-27	409	1.48	2.56	2.25	1.62	--	--	8:30 P-27	1:42 A-28	0.086	0.03	8:37 P-27	1.394	0.005	
	C6	1.632	"	"	"	"	"	"	"	--	--	3:51 P-27	5:01 A-28	0.372	0.10	9:11 P-27	1.108	0.006	
	C7	1.756	"	"	"	"	"	"	"	--	--	8:33 P-27	6:10 A-28	0.165	0.13	10:10 P-27	1.291	0.011	
	C8	5.123	"	"	"	"	"	"	"	--	--	4:12 P-27	1:12 A-28	0.019	0.18	8:42 P-27	1.401	0.002	
	W23	6.005	FFR-1	3:33 P-27	470	1.41	2.76	2.28	1.59	--	--	3:52 P-27	1:15 A-28	0.170	0.30	8:42 P-27	1.240	0.005	
July 3	--	--	CFR-1	10:25A	100	0.60	0.72	0.71	0.60	--	--			No	runoff		0.600		Measurements of silt loss discontinued July 1, 1938
	W23	6.005	FFR-1	10:30A	110	0.34	0.60	0.[illegible]	0.36	--	--	11:22A	6:17P	0.004	0.03	11:2A	0.336		
July 9	--	--	CFR-1	5:25P	90	0.03	0.06	0.06	0.0[illegible]	--	--			No	runoff		0.030		
July 14	--	--	"	12:43P	160	0.52	1.20	0.96	0.76	--	--			"	"		0.520		
July 18-19	C5	1.412	"	3:18P	500	1.78	3.16	2.13	1.[illegible]	--	--			"	"		1.750		
	C6	1.632	"	"	"	"	"	"	"	--	--			"	"		"		
	C7	1.756	"	"	"	"	"	"	"	--	--	8:25 A-19	7:45 A-19	0.093	0.03	3:30 A-19	1.697		
	C8	5.123	"	"	"	"	"	"	"	--	--	11:40 A-19	6:31 A-19	0.012	0.06	2:01 A-19	1.768		
	W23	6.005	FFR-1	2:40 P-18	765	1.60	3.36	2.60	2.28	--	--	3:00 P-18	7:42 A-19	0.471	0.52	1:22 A-19	1.789		
July 19-21	C5	1.412	CFR-1	12:15 P-19	2220	2.50	3.36	2.08	1.[illegible]	--	--	9:21 P-19	12:25 P-20	0.407	0.22	9:56 P-19	2.093		
	C6	1.632	"	"	"	"	"	"	"	--	--	10:20 P-19	7:45 A-20	0.468	0.30	12:05 A-20	2.012		
	C7	1.756	"	"	"	"	"	"	"	--	--	8:53 P-19	6:53 P-20	0.653	0.38	10:33 P-19	1.847		
	C8	5.123	"	"	"	"	"	"	"	--	--	8:37 P-19	12:05 P-20	0.260	1.93	9:58 P-19	2.240		
	W23	6.005	FFR-1	12:12 P-19	2355	2.50	3.24	2.12	1.50	--	--	8:36 P-19	1:11 P-21	0.973	1.02	10:05 P-19	1.527		
July 21-22	--	--	CFR-1	5:56P	700	0.28	0.[illegible]	0.16	0.11	--	--			No	runoff		0.280		
July 22-25	C5	1.412	"	8:21 P-22	3.15	3.73	2.21	1.50	1.18	--	--	1:51 A-23	7:11 A-25	0.372	0.16	2:1[illegible] A-23	3.358		
	C6	1.632	"	"	"	"	"	"	"	--	--	2:20 A-23	5:50 A-25	0.432	0.26	3:05 A-23	3.208		
	C7	1.756	"	"	"	"	"	"	"	--	--	1:5[illegible] A-23	1:5[illegible] A-25	0.670	0.22	2:35 A-23	3.[illegible]60		
	C8	5.123	"	"	"	"	"	"	"	--	--	1:21 A-23	2:53 A-26	0.783	2.12	2:39 A-23	3.007		
	W23	6.005	FFR-1	8:24 P-22	3195	3.80	2.78	1.78	1.25	--	--	1:12 A-23	10:55 A-26	1.867	0.71	3:17 A-23	2.533		

Form S. C. S.-[illegible]

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
DIVISION OF RESEARCH

Month _____ 1938

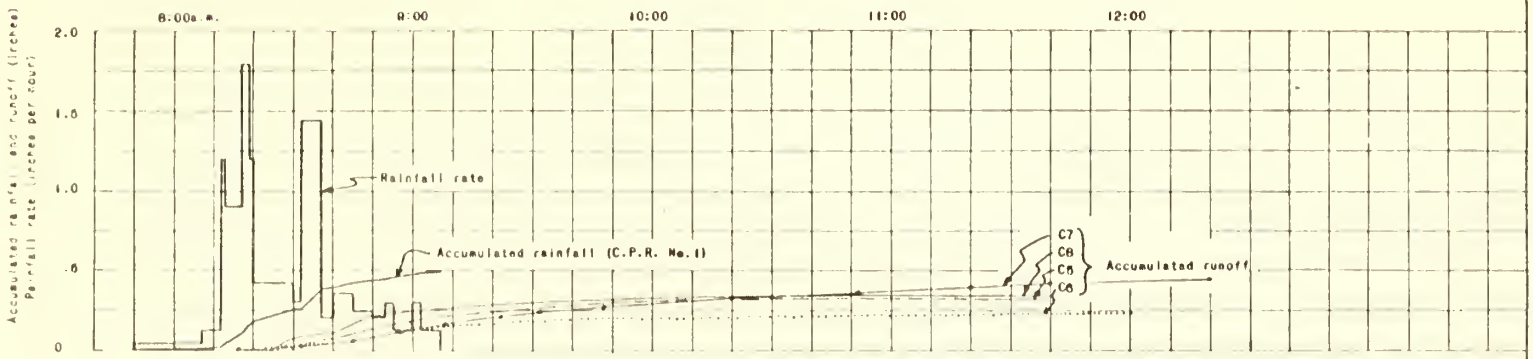
Project STATESVILLE, NORTH CAROLINA

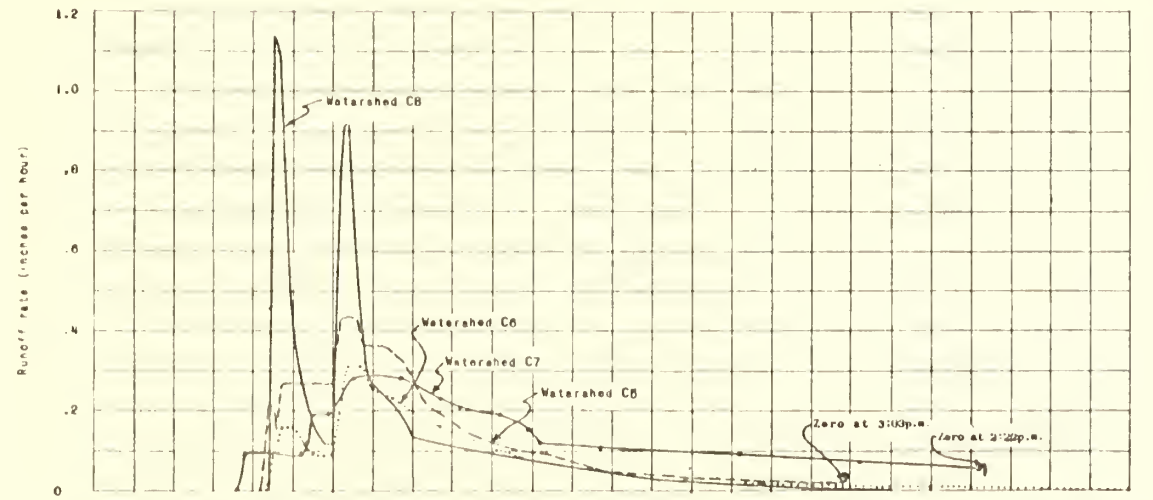
RECORD OF SINGLE STORMS AND THEIR RUN-OFFS ON VARIOUS WATERSHEDS

Sheet 30 of _____ sheets

Date	Watershed: Number	Watershed: Area	Rainfall: Gage No.	Rainfall: Begins	Rainfall: Duration	Rainfall: Amount	Rainfall: Maximum intensity: Amount per hour	Rainfall: Maximum intensity: Duration	Rainfall: Maximum intensity: Time	Rainfall: Maximum intensity: Number of preceding days without rain	Rainfall: Total precipitation (Column 7)	Run-off: Begins	Run-off: Ends	Run-off: Amount	Run-off: Maximum rate: Amount per hour	Run-off: Maximum rate: Time	Rainfall Minus Run-off Amount	Run-off Loss Minus Rainfall Loss	Condition of Watershed
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
July 29-31	C5	1.412	CFR-1	1:30 P-29	150	0.69	2.04	1.50	0.84	--	--			No runoff			0.690		
	C6	1.632	"	"	"	"	"	"	"	--	--			"			"		
	C7	1.790	"	"	"	"	"	"		--	--								
	C8	5.123	"	"	"	"	"	"	"	--	--	11:58 A-31	6:00 P-31	0.014	0.00	12:01 P-31	0.672		
	W23	6.005	FFR-1	11:25 P-29	135	0.62	2.28	1.93	0.84	--	--	11:52 A-31	5:57 P-31	0.006	0.16	11:57 A-31	0.614		
Aug. 1	C5	1.412	CFR-1	4:40 A-1	41	0.98	4.68	2.19	1.76	--	--	4:54 P-1	12:31 A-2	0.055	0.03	5:01 P-1	0.925		
	C6	1.632	"	"	"	"	"	"	"	--	--	5:12 P-1	11:44 P-1	0.031	0.02	5:20 P-1	0.949		
	C7	1.790	"	"	"	"	"	"	"	--	--	4:55 P-1	6:22 A-2	0.127	0.07	5:22 P-1	0.853		
	C8	5.123	"	"	"	"	"	"	"	--	--	4:51 P-1	6:59 P-1	0.043	0.02	4:58 P-1	0.937		
	W23	6.005	FFR-1	4:47 A-1	35	0.93	4.68	2.60	1.79	--	--	4:58 P-1	8:44 P-1	0.019	0.18	5:09 P-1	0.911		
Aug. 2	--	--	CFR-1	4:02P	16	0.04	0.25	0.11	0.06	--	--			No runoff			0.040		
Aug. 3	--	--	"	4:23P	30	0.12	0.52	0.35	0.20					"			0.120		
Aug. 4	C5	1.412	"	3:52 P-4	46	0.75	2.93	2.00	1.32	--	--	3:58 P-4	12:43 A-5	0.015	0.01	4:23 P-4	0.735		
	C6	1.632	"	"	"	"	"	"	"	--	--			No runoff			0.750		
	C7	1.790	"	"	"	"	"	"	"	--	--	3:59 P-4	6:44 A-5	0.051	0.05	5:14 P-4	0.699		
	C8	5.123	"	"	"	"	"	"	"	--	--	3:59 P-4	6:31 P-4	0.026	0.04	4:11 P-4	0.724		
	W23	6.005	FFR-1	"	"	0.64	2.64	1.80	1.19	--	--	4:02 P-4	6:25 A-5	0.017	0.18	4:08 P-4	0.623		
Aug. 5-6	--	--	CFR-1	7:45P	1125	0.15	0.12	0.09	0.06	--	--			No runoff			0.150		
Aug. 24	--	--	"	4:11P	119	0.17	0.50	0.30	0.21	--	--			"			0.170		
Aug. 25	--	--	"	3:32A	30	0.09	0.36	0.24	0.16	--	--			"			0.090		
	--	--	"	1:07P	20	0.10	0.42	0.24	0.14	--	--			"			0.100		
Sept. 3	--	--	"	2:13A	55	0.02	0.02	0.02	0.02	--	--			"			0.020		
	--	--	"	4:31P	185	0.05	0.04	0.04	0.03	--	--			"			0.050		
Sept. 6	0	--	CFR-1	9:00P	45	0.18	1.02	0.54	0.30	--	--						0.180		
	W23	6.005	FFR-1	8:40 P-6	57	0.20	0.90	0.92	0.35	--	--	8:46 P-6	11:02 P-6	0.005	0.03	8:49 P-6	0.195		
Sept. 8-9	--	--	CFR-1	2:14P	115	0.19	0.28	0.28	0.17	--	--			No runoff			0.190		
Sept. 14	0	--	"	3:45P	15	0.16	1.20	0.59	0.20	--	--			"			0.160		
	W23	6.005	FFR-1	3:48 P-14	13	0.16	1.04	0.04	0.32	--	--	3:55 P-14	4:50 A-15	0.009	0.03	4:00 P-14	0.151		
Sept. 29-30	0	--	CFR-1	3:04A	1215	0.58	0.14	0.16	0.14	--	--			No runoff			0.580		
	W23	6.005	FFR-1	2:43 A-29	1210	0.58	0.16	0.16	0.13	--	--	3:13 P-29	1:03 P-30	0.030	0.02	4:15 A-30	0.550		
Oct. 20-21	0	--	CFR-1	5:47P	305	0.28	0.36	0.16	0.12	--	--			No runoff			0.280		
	W23	6.005	FFR-1	5:[illegible] P-20	327	0.29	0.27	0.16	0.12	--	--	9:24 P-20	2:24 P-21	0.019	0.03	5:24 A-21	0.271		
Oct. 23-24	0	--	CFR-1	6:41P	675	0.04	0.17	0.10	0.13	--	--			No runoff			0.040		
	W23	6.005	FFR-1	7:53 P-23	720	0.63	0.60	0.16	0.14	--	--	8:47 P-23	11:10 P-24	0.075	0.04	4:12 P-24	0.555		
Nov. 5-6	C5	1.412	CFR-1	12:21 A-5	1865	1.55	1.05	1.19	1.04	--	--	3:20 A-5	1:21 P-2	0.025	0.01	5:06 A-2	1.525		
	C6	1.632	"	"	"	"	"	"	"	--	--	3:12 A-5	1:15 P-5	0.023	0.01	4:58 A-5	1.627		
	C7	1.790	"	"	"	"	"	"	"	--	--	3:04 A-5	1:14 P-5	0.024	0.01	4:21 A-5	1.626		
	C8	5.123	"	"	"	"	"	"	"	--	--	2:30 A-5	2:31 P-5	0.032	0.04	7:18 A-5	1.815		
	W23	6.005	FFR-1	"	1880	1.57	"	"	"	--	--	12:40 A-5	12:32 A-6	0.146	0.16	7:15 A-5	1.424		
Nov. 7-8	--	--	CFR-1	9:12P	1.95	0.30	0.21	0.24	0.22	--	--			No runoff			0.300		
Nov. 19-20	C5	1.412	"	2:00 A-19	1860	2.81	1.98	1.30	1.13	--	--	9:57 A-19	5:57 A-20	0.272	0.02	1:03 P-19	2.538		
	C6	1.632	"	"	"	"	"	"	"	--	--	9:33 A-19	6:14 A-20	0.134	0.03	10:54 P-19	2.650		
	C7	1.790	"	"	"	"	"	"	"	--	--	9:51 A-19	7:16 A-20	0.134	0.05	4:11 P-19	2.654		
	C8	5.123	"	"	"	"	"	"	"	--	--	8:55 A-19	9:49 A-20	0.090	0.04	1:22 P-19	2.720		
	W23	6.005	FFR-1	2:00 A-19	1904	2.71	1.30	0.49	0.49	--	--	10:02 A-19	5:05 P-20	0.132	0.08	4:07 P-19	2.588		
Nov. 23	--	--	CFR-1	7:[illegible]A	330	0.04	0.06	0.06	0.05	--	--			No runoff			0.040		
Nov. 21	--	--	"	1:40P	310	0.04	0.06	0.12	0.13	--	--			"			0.040		
Dec. 5-6	0	--	CFR-1	6:14P	1502	0.46	.72	0.51	0.37	--	--			"			0.460		
	W23	6.005	FFR-1	6:17 P-5	1540	0.46	0.72	0.50	0.37	--	--	1:07 P-4	10:32 P-5	0.001	0.01	11:12 P-5	0.459		
Dec. 9	--	--	CFR-1	1:20A	150	0.[illegible]	0.09	0.37	0.28	--	--			No runoff			0.250		
Dec. 21	--	--	"	1:[illegible]A	300	0.35	0.3[illegible]	0.32	0.28	--	--			"			0.350		
Dec. 23-24	C5	1.412	"	6:00 P-23	475	2.15	2.15	0.36	0.42	--	--	2:57 A-24	11:14 P-24	0.169	0.15	1:52 P-24	1.981		
	C6	1.632	"	"	"	"	"	"	"	--	--	2:12 P-23	9:38 A-27	0.242	0.07	4:[illegible] P-24	1.[illegible]		
	C7	1.790	"	"	"	"	"	"	"	--	--	2:00 P-23	1:50 A-27	0.[illegible]	0.11	4:06 P-23	[illegible]		
	C8	5.123	"	"	"	"	"	"	"	--	--	1:04 P-23	6:34 A-27	0.099	0.06	4:49 P-23	1.971		
	W23	6.005	FFR-1	2:27 P-23	450	2.13	0.43	0.32	.30	--	--	1:[illegible] P-23	11:[illegible] A-27	0.234	0.08	4:27 P-23	1.976		
Dec. 29	--	--	CFR-1	1:14A	22	0.06	[illegible]	[illegible]	[illegible]	--	--			No runoff			0.060		

March 19, 1933





Rainfall

Time	Δt Min.	Σd In.	Δd In.	Rate In./hr.
Mar. 19 a.m.				
7:00	—	0	—	—
8:07	17	.01	0.01	0.04
:[illegible]	5	.02	.01	.12
:13	1	.04	.02	1.20
:17	4	.10	.06	.90
:19	2	.15	.05	1.80
:20	1	.18	.02	1.20
:30	10	.25	.07	.42
:32	2	.26	.01	.30
:37	5	.38	.12	1.44
.40	3	.39	.01	.60
:45	5	.42	.03	.36
:50	5	.44	.02	.24
:53	3	.45	.01	.20
:55	2	.46	.01	.30
9:00	5	.47	.01	.12
:02	2	.48	.01	.20
:07	5	.49	.01	.12

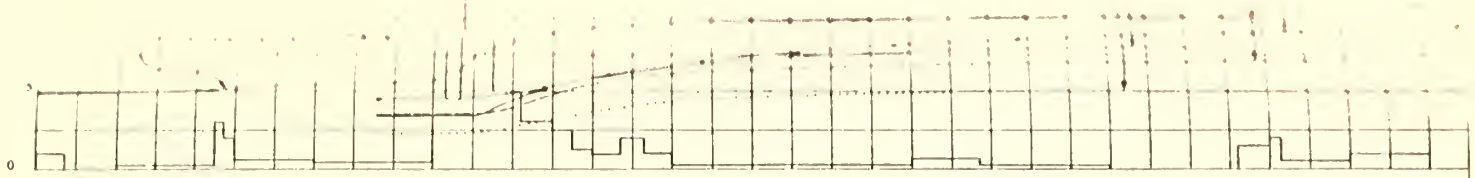
Accumulated runoff (inches)

Watershed C5	0	.07	.19	[illegible]	[illegible]
Watershed C6	0	.08	.12	[illegible]	[illegible]
Watershed C7	0	.04	.13	[illegible]	[illegible]
Watershed C8	0	.11	[illegible]	[illegible]	[illegible]

WATERVILIET, N. Y.

MARCH 19-20, 1933

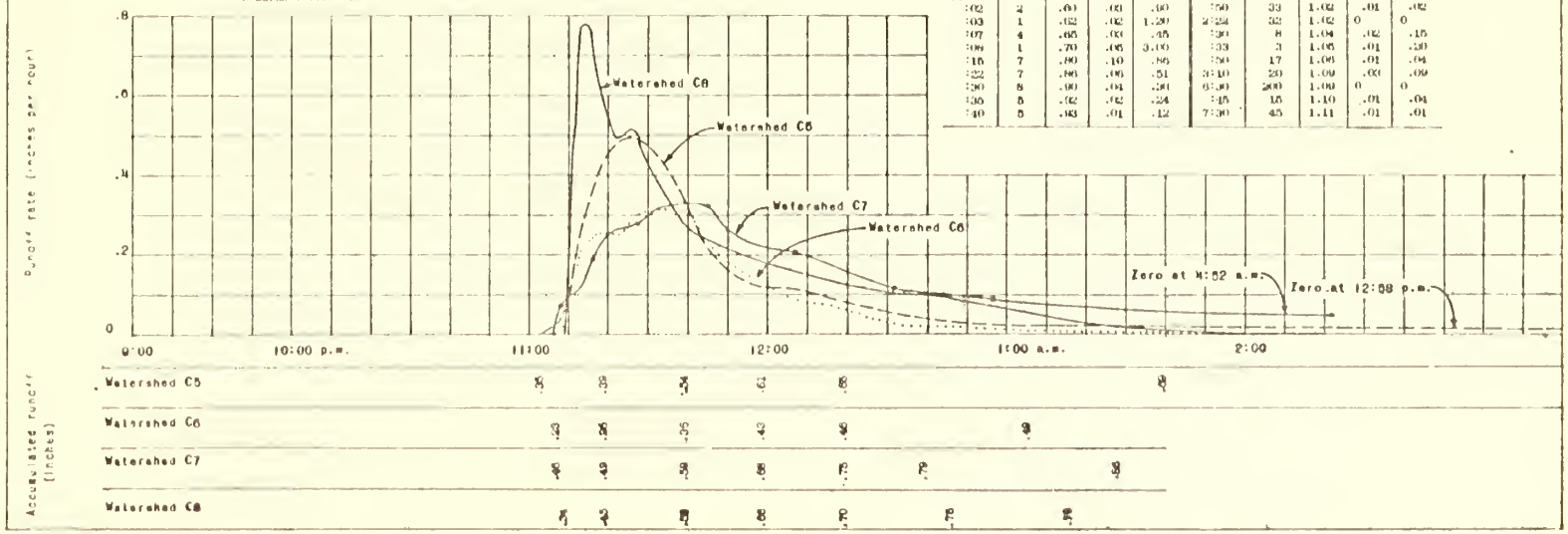
Sheet 1 of 3 sheets



Watersheds	C5	C6	C7	C8
Area (acres)	1.412	1.632	1.706	5.129
Preceding Rain (in.)	.27		.27	
date began	3/17/33			
duration (hours)	3 hrs. 45 mins.			
Temperature (max. & min.)	70 - 47.5			
Soil (major type)	Cecil Sandy Loam			Cecil C. Loam
percent of area	100	100	85	70
Slope, average (percent)	8.3	8.0	10.0	7.2
Maximum				
Cover, type	Oats just up; Lespedeza sown Mar. 9/10			
height (ft.)				
date last cultivated				
Soil loss (tons per acre)	0.698	0.244	0.368	5.336
Remarks				

Rainfall March 19/20, 1933

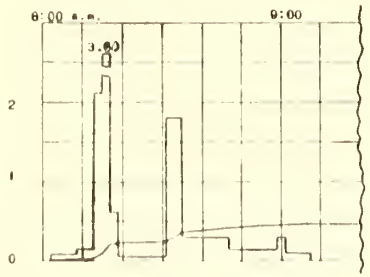
Time	Δt	Σd	Δd	Rate	Time	Δt	Σt	Δd	Rate
	Min.	in.	in.	in./hr.		Min.	in.	in.	in./hr.
Mar.19 p.m.					Mar.19 p.m.				
9:20	—	.40	—	—	11:47	7	.94	.01	.09
:27	7	.50	.01	.09	:53	6	.95	.02	.20
:40	13	.50	0	0	12:00	7	.97	.01	.09
10:05	25	.51	.01	.02	Mar.20 a.m.				
:07	2	.52	.01	.30	12:30	30	.98	.01	.02
:10	3	.53	.01	.20	1:00	30	.99	.01	.02
:30	20	.55	.02	.06	:17	17	1.01	.02	.07
11:00	30	.57	.02	.04	:50	33	1.02	.01	.02
:02	2	.60	.03	.90	2:24	32	1.02	0	0
:03	1	.62	.02	1.20	:30	6	1.04	.02	.15
:07	4	.65	.03	.45	:33	3	1.05	.01	.30
:09	1	.70	.05	3.00	:50	17	1.06	.01	.04
:16	7	.80	.10	.85	3:10	20	1.09	.03	.09
:22	7	.86	.06	.51	6:30	200	1.09	0	0
:30	8	.90	.04	.30	:45	15	1.10	.01	.04
:35	5	.92	.02	.24	7:30	45	1.11	.01	.01
:40	5	.93	.01	.12					

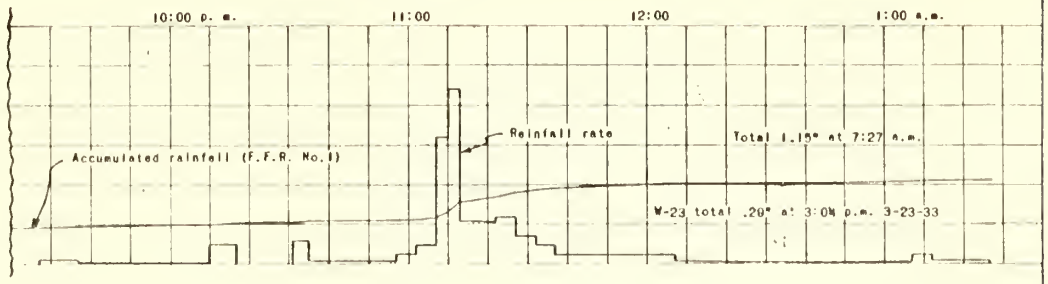


Statesville, N. C.

March 19/20, 1933

Sheet 2 of 3 sheets





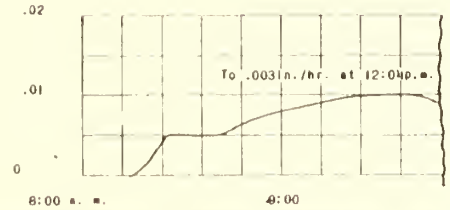
Accumulated rainfall inches
Rainfall rate (inches per hour

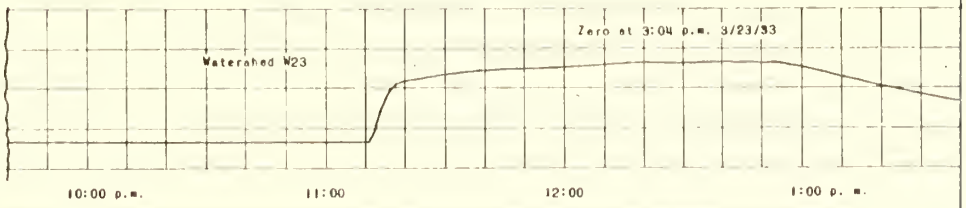
Watershed W-23

Area (acres)	6.005
Preceding Rain (in.)	.24
date began	3-17-33
duration (hours)	3hr. 10min.
Temperature (max. & min.)	79 - 47.5
Soil (major type)	Appling S. Loam
percent of area	100
Slope, average (percent)	18.6
Maximum	
Cover, type	Wooded
height (ft.)	-
date last cultivated	-
Soil loss (tons per acre)	0.005
Remarks	Soil loss includes rain of Mar.14/15.

Rainfall March 19/20, 1933

Time	Δt Min.	Σd In.	Δd In.	Rate In./hr.	Time	Δt Min.	Σd In.	Δd In.	Rate In./hr.
Mar.19					11:07	5	.58	.02	.24
a.m.					:10	3	.66	.08	1.60
8:02		0			:13	3	.77	.11	2.20
8:09	7	.01	.01	0.09	:22	9	.85	.08	.53
8:13	4	.02	.01	.15	:27	5	.90	.05	.60
8:15	2	.09	.07	2.10	:32	5	.93	.03	.36
8:17	2	.21	.12	3.60	:37	5	.95	.02	.24
8:19	2	.23	.02	.60	:47	10	.97	.02	.12
8:31	12	.24	.01	.05	Mar.20				
8:32	1	.27	.03	1.80	a.m.				
8:35	3	.36	.09	1.80	12:02	15	1.00	.03	.12
8:47	12	.42	.06	.30	:07	5	1.01	.01	.12
8:59	12	.45	.03	.15	:40	33	1.02	.01	.02
9:01	2	.46	.01	.30	1:07	27	1.03	.01	.02
:07	6	.47	.01	.10	:12	5	1.04	.01	.12
p.m.					:27	15	1.05	.01	.04
6:27	740	.47	0	0	2:27	60	1.05	0	0
:37	10	.48	.01	.06	:33	6	1.06	.03	.30
10:10	33	.49	.01	.02	:52	19	1.11	.03	.09
:17	7	.52	.03	.26	3:37	45	1.12	.01	.01
:31	14	.52	0	0	6:37	180	1.13	.01	.01
:35	4	.54	.02	.30	:52	15	1.14	.01	.04
:57	22	.55	.01	.03	7:07	15	1.15	.01	.04
11:02	5	.56	.01	.12					





Runoff rate (inches per hour)

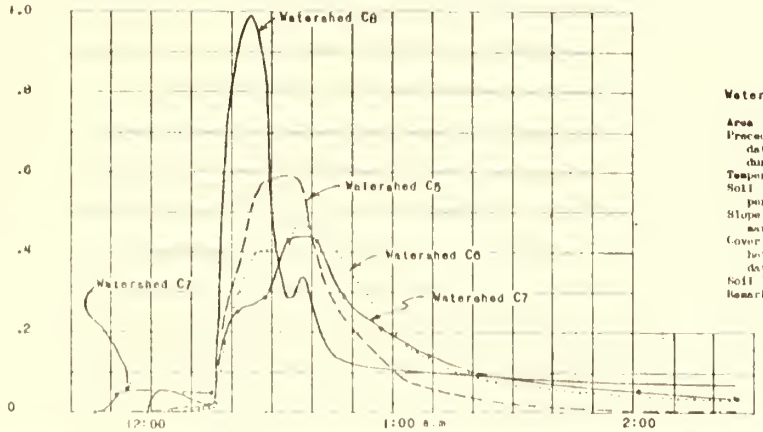
Accumulated Runoff (inches)

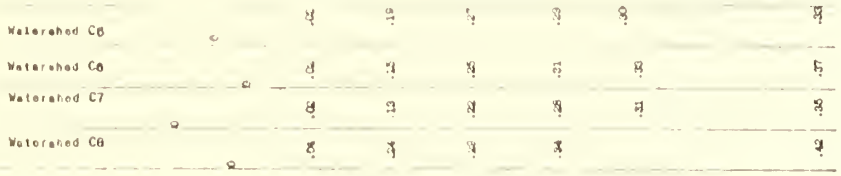
STATESVILLE, N. C.

March 10-20, 1933

Sheet 3 of 3 sheets

April 12, 1933





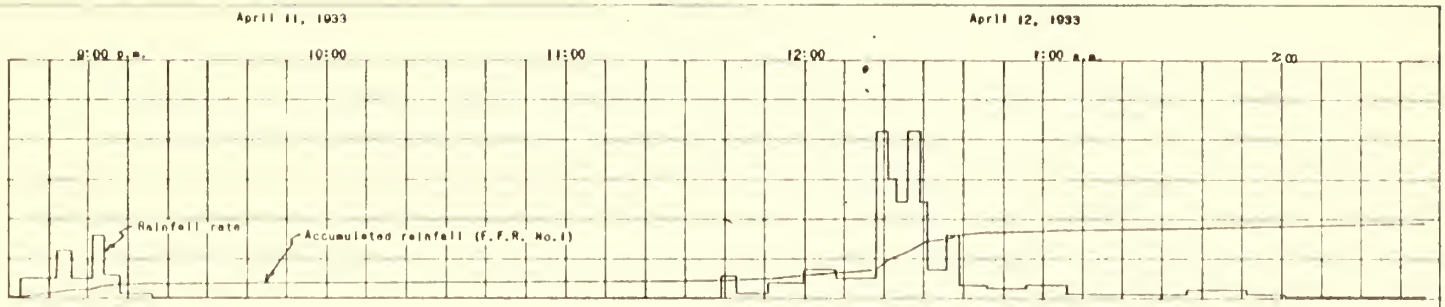
Rainfall April 11/12, 1933

Time	Δt	Σd	Δd	Rate	Time	Δt	Σd	Δd	Rate
	Min.	in.	in.	in./hr.		Min.	in.	in.	in./hr.
Apr.11					12:14	8	.40	.01	.08
p.m.					:17	3	.50	.10	2.00
5:06		0	—	—	:21	4	.57	.07	1.05
:40	34	.02	.02	0.04	:26	5	.71	.14	1.68
:43	3	.04	.02	.40	:33	7	.73	.02	.17
:49	6	.05	.01	.10	:36	3	.78	.06	1.20
8:36	107	.06	0	0	:41	5	.81	.02	.24
:37	1	.07	.02	1.20	:51	10	.83	.02	.12
:42	5	.12	.05	.60	:56	5	.85	.02	.24
:48	6	.14	.02	.20	1:01	5	.86	.01	.12
:54	6	.10	.05	.50	:06	5	.87	.01	.12
:57	3	.21	.02	.40	:27	21	.88	.01	.03
9:06	9	.22	.01	.07	:37	10	.90	.02	.12
10:05	60	.23	0	0	:43	6	.91	.01	.10
:15	9	.23	.01	.07	:46	3	.92	.01	.20
:56	41	.24	.01	.01	:51	5	.93	.01	.12
11:33	37	.25	.01	.02	2:06	15	.94	.01	.04
:36	3	.27	.02	.40	:28	22	.95	.01	.03
:39	3	.28	.01	.20	:51	23	.96	.01	.03
:46	7	.29	.01	.09	3:21	30	.97	.01	.02
:54	8	.32	.03	.22	:46	25	.98	.01	.02
:56	2	.33	.01	.30	4:06	20	.99	.01	.03
Apr.12					:31	25	1.00	.01	.02
a.m.					5:01	30	1.01	.01	.02
12:01	5	.37	.04	.48	6:01	60	1.02	.01	.01
:06	5	.39	.02	.24					

Watersheds	C5	C6	C7	C8
Area (acres)	1.412	1.632	1,706	5.123
Preceding Rain (in.)	0.30			
date began	Apr. 6			
duration (hours)	23½. 45%.			
Temperature (max. & min.)	77.6 - 45.6			
Soil (major type)	C E C I L S. L O A M			Cecil C. Loam
percent of area	100%	100%	85%	70%
Slope, average (percent)	9.3%	8.9%	10%	7.2%
maximum				
Cover, type	O A T S T H R E E I N C H E S H I G H			
height (ft.)				
date last cultivated	D R I L L E D		M A R C H 2-6	
Soil loss (tons per acre)	0.306	0.259	0.177	1.886
Remarks				

C5 Zero at 4:02 a.m. (total 0.33")
C6 Zero at 6:21 a.m. (total 0.41")
C7 Zero at 7:26 a.m. (total 0.43")
C8 Zero at 6:00 a.m. (total 0.62")

STATESVILLE, N. C.
April 11-12, 1933

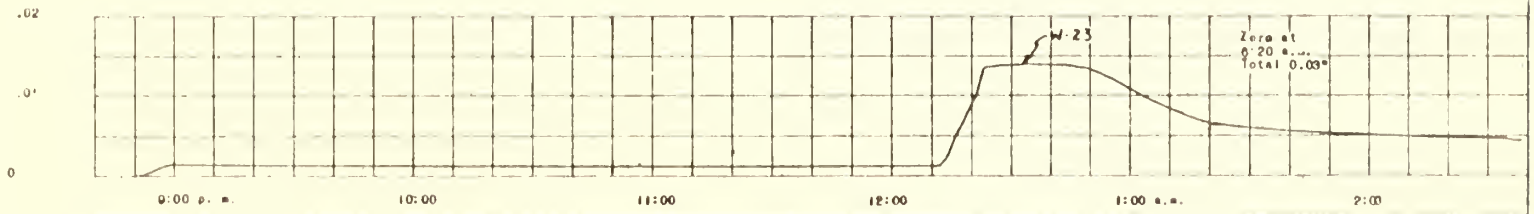


Watershed W-23 (Wooded)

Area (acres)	6.06
Preceding Rain (In.)	0.39
date	Apr. 6
duration (hours)	2hr. 41min.
Temperature (max & min.)	77.5 - 45.6
Soil (major type)	Appling S. loam
percent of area	100%
Slope, average (percent)	18.0%
maximum	------
Cover, type	Wooded - ½" to 2" litter
height (ft.)	------
date last cut(s) and	
boll loss (lbs per acre)	0.001
Remarks	

Rainfall April 11/12, 1933

Time	Δt	Σd	Δd	Rate	Time	Δt	Σd	Δd	Rate
	Min.	In.	In.	In./hr.		Min.	In.	In.	In./hr.
Apr.11 p.m.					Apr.12 a.m.				
9:33	—	0		—	12:00	8	.34	.05	.37
:39	6	.02	.02	0.20	:13	5	.36	.02	.24
:46	7	.03	.01	.08	:18	5	.38	.02	.24
9:43	177	.03	0	0	:21	3	.40	.11	2.20
:52	9	.07	.04	.17	:23	2	.54	.05	1.50
:56	4	.11	.04	.60	:25	2	.60	.06	1.20
10:01	5	.13	.02	.24	:29	3	.69	.09	1.80
:04	3	.17	.04	.80	:31	2	.73	.04	1.20
:08	4	.19	.02	.30	:36	5	.78	.03	.36
:16	8	.20	.01	.07	:38	2	.80	.04	.80
10:22	66	.21	.01	.01	:46	7	.82	.02	.17
:46	24	.22	.01	.02	:56	10	.84	.02	.12
11:38	52	.23	.01	.01	1:06	10	.87	.03	.18
:43	4	.25	.02	.30	:16	10	.88	.01	.06
:51	8	.26	.01	.07	:26	10	.89	.01	.06
12:00	9	.29	.03	.20	:36	10	.90	.01	.06
					:51	15	.93	.03	.12
					2:01	10	.94	.01	.06
					:36	35	.95	.01	.00

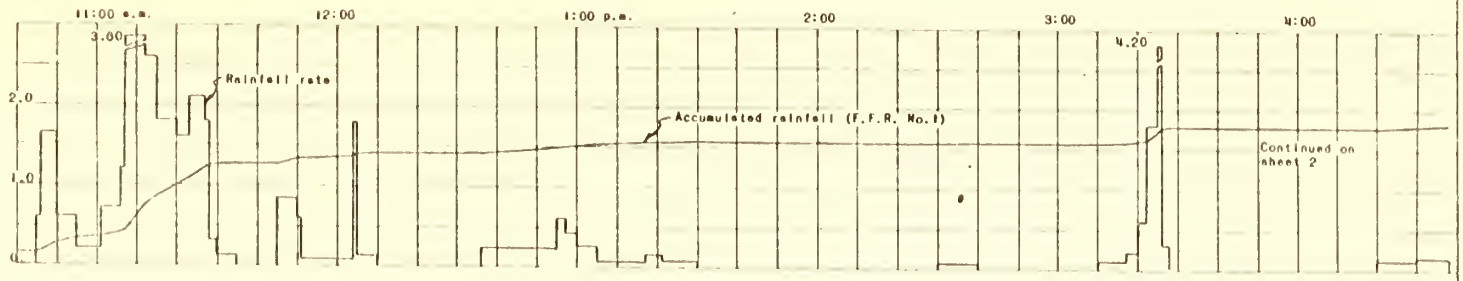


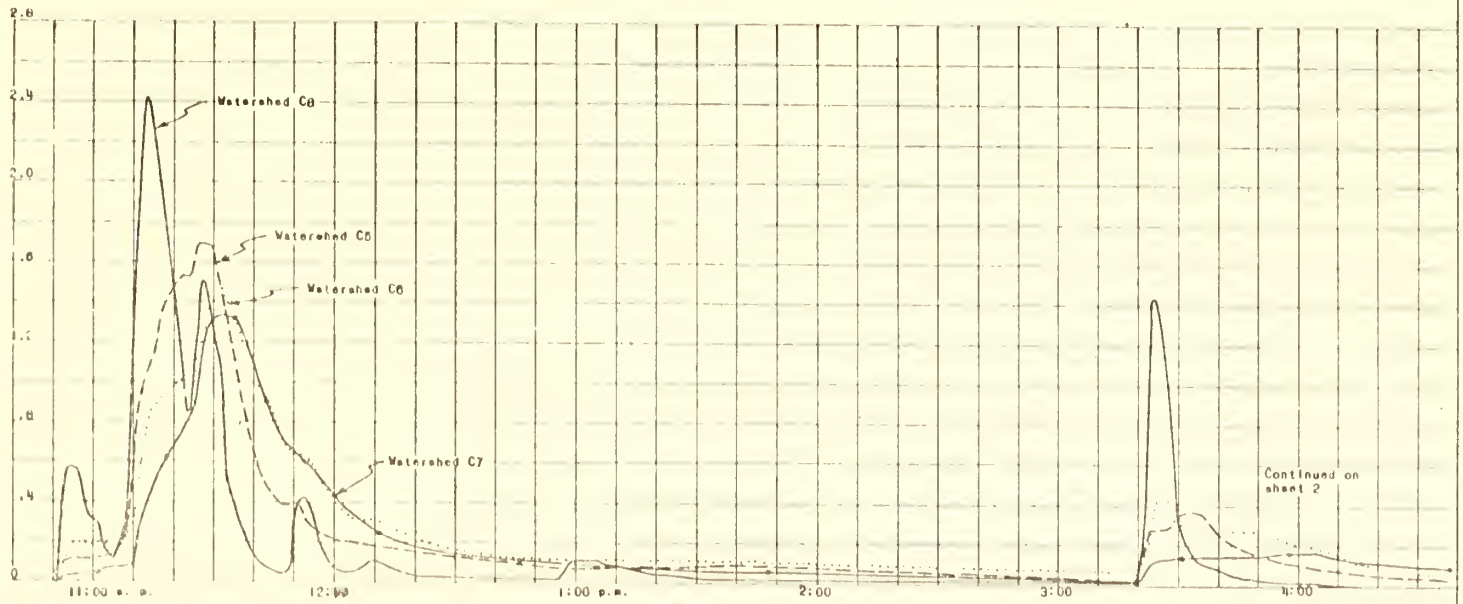
Accumulated runoff (inches) Watershed W-23

STATESVILLE, N. C.
April 11/12, 1933

Sheet 2 of 2 sheets

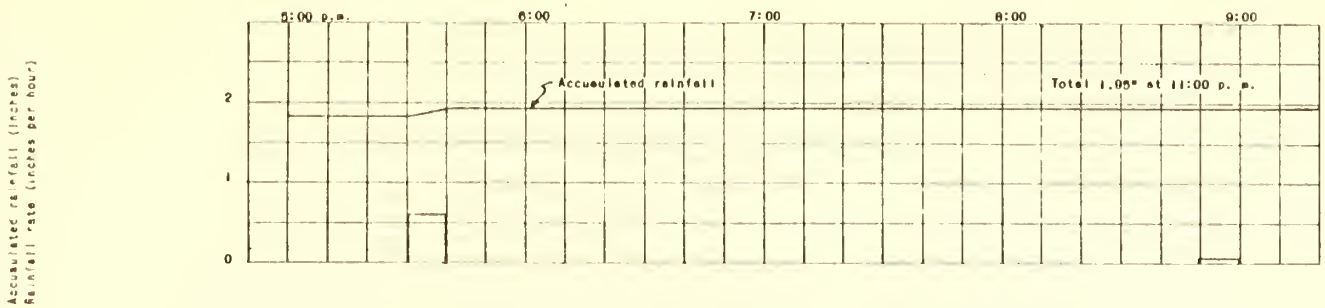
May 6, 1933


11:00 a.m.
12:00
1:00 p.m.
2:00
3:00
4:00
3.60
4.20
2.0
1.0
0
Rainfall rate
Accumulated rainfall (F.F.R. No. 1)
Continued on sheet 2

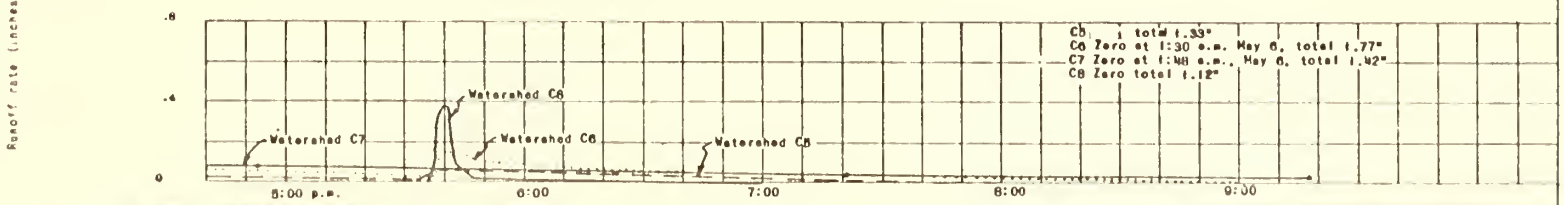

2.8
2.4
2.0
1.6
1.2
.8
.4
0
Watershed C8
Watershed C5
Watershed C6
Watershed C7
Continued on sheet 2
11:00 a.m.
12:00
1:00 p.m.
2:00
3:00
4:00

| | | |

May 6, 1933



Watersheds	C5	C6	C7	C8
Area (acres)	1.413	1.633	1.795	5.123
Preceding Rain (in.)	.34			
date began	5-2-33			
duration (hours)	5 hrs. 9 min.			
Temperature (max. & min.) ...	81.2 - 56.0			
Soil (major type)	CECIL SANDY LOAM			Cecil C. Loam
percent of area	100	100	85	70
Slope, average (percent).....	9.3	6.9	10.0	7.2
maximum				
Cover, type	Spring Oats - Lespedeza			
height (ft.)	in head			
date last cultivated	Oats drilled March 2-6, Lespedeza sowed March 9-10 inclusive			
Soil loss (tons per acre) ...	1.063	1.275	0.938	3.143
Remarks				



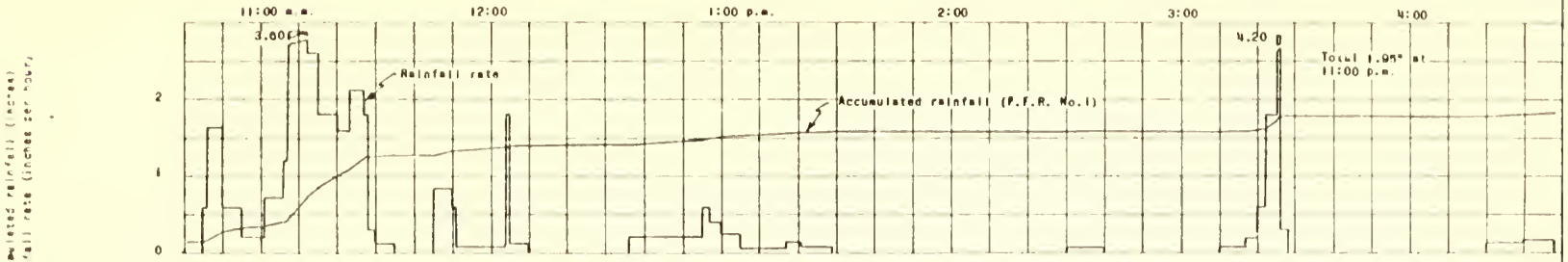
Accumulated runoff (inches)

Watershed C5	1.22	1.28	1.30	1.33	
Watershed C6	1.31	1.54	1.60	1.68	1.72
Watershed C7	1.30	1.34	1.36	1.38	
Watershed C8		1.05	1.12	1.18	

STATESVILLE, N. C.

May 6, 1933

May 5, 1933

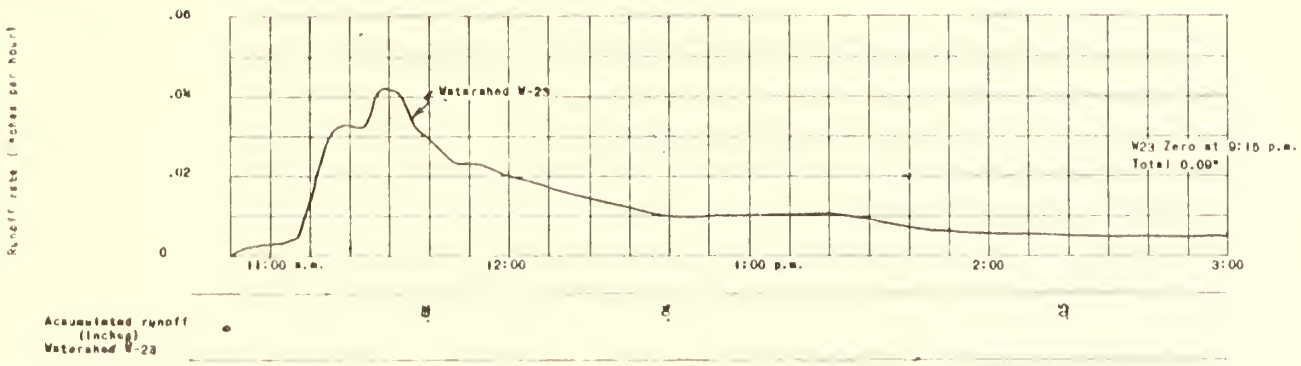


Watershed W-23

Area (acres)	6.000
Preceding Rain (in.)	.34
date began	5-2-33
duration (hours)	5 hrs. 16 min.
Temperature (max. & min.)	61.2 - 56
Soil (major type)	Appling S. Loam
per cent of area	100
Slope, average (percent)	18.6
motive	
Cover, type	Wooded
height (ft.)	-
date last cultivated	-
Soil loss (tons per acre)	0.004
Remarks	

Rainfall May 5, 1933

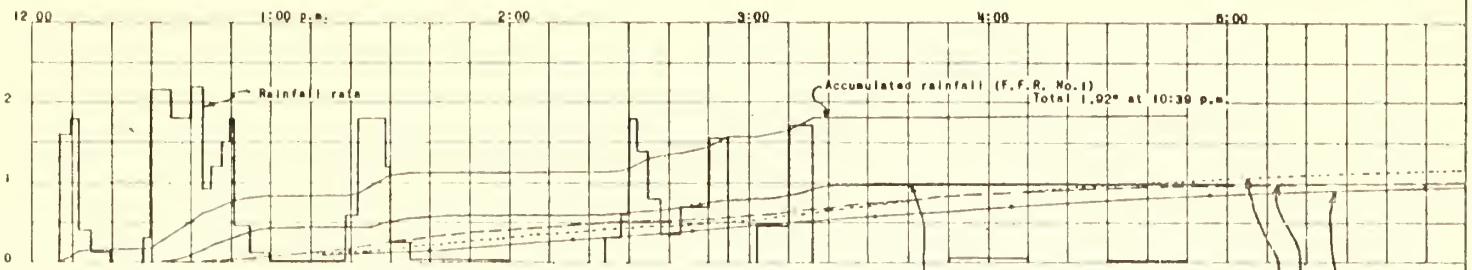
Time	Δt	Σd	Δd	Rate	Time	Δt	Σd	Δd	Rate	Time	Δt	Σd	Δd	Rate
	Min.	In.	In.	In./hr.		Min.	In.	In.	In./hr.		Min.	In.	In.	In./hr.
a.m.					11:07		.42			1:00		1.52		
5:40	—	0	—	--	:10	3	.60	.18	3.60	:05	5	1.54	.02	.24
6:00	20	.01	0.01	0.03	:12	2	.72	.12	3.60	:17	12	1.55	.01	.05
:10	10	.02	.01	.06	:15	3	.85	.13	2.60	:21	4	1.56	.01	.15
:25	15	.04	.02	.08	:18	3	.94	.09	1.80	:30	9	1.57	.01	.07
:40	15	.05	.01	.04	:20	2	1.00	.06	1.80	2:30	60	1.57	0	0
7:20	40	.06	.01	.02	:23	3	1.09	.09	1.80	:40	10	1.58	.01	.06
9:05	105	.06	0	0	:27	4	1.22	.14	2.10	3:10	30	1.58	0	0
:10	5	.07	.01	.12	:28	1	1.25	.03	1.80	:17	7	1.59	.01	.09
:21	11	.09	.02	.11	:30	2	1.26	.01	.30	:20	3	1.60	.01	.20
:30	9	.11	.02	.13	:35	5	1.27	.01	.12	:22	2	1.62	.02	.60
:45	15	.11	0	0	:45	10	1.27	0	0	:25	3	1.71	.09	1.80
:55	10	.12	.01	.06	:50	5	1.34	.07	.84	:26	1	1.78	.07	4.20
10:05	10	.14	.02	.12	:51	1	1.35	.01	.60	:28	2	1.79	.01	.30
:20	15	.15	.01	.04	P.m.					4:20	52	1.79	0	0
:45	25	.15	0	0	12:04	13	1.37	.02	.08	:30	10	1.81	.02	.12
:46	1	.16	.01	.60	:05	1	1.40	.03	1.80	:38	8	1.83	.02	.15
:50	4	.27	.11	1.65	:10	5	1.41	.01	.12	5:30	52	1.83	0	0
:55	5	.32	.05	.60	:35	25	1.41	0	0	:40	10	1.93	.10	.60
11:01	6	.34	.02	.20	:55	19	1.48	.07	.22	8:50	190	1.93	0	0
:06	5	.40	.06	.72	:57	2	1.50	.02	.09	9:00	10	1.94	.01	.06
:07	1	.42	.02	1.20	1:00	3	1.52	.02	.40	11:00	130	1.95	.01	T



STATESVILLE, N. C.
May 5, 1933

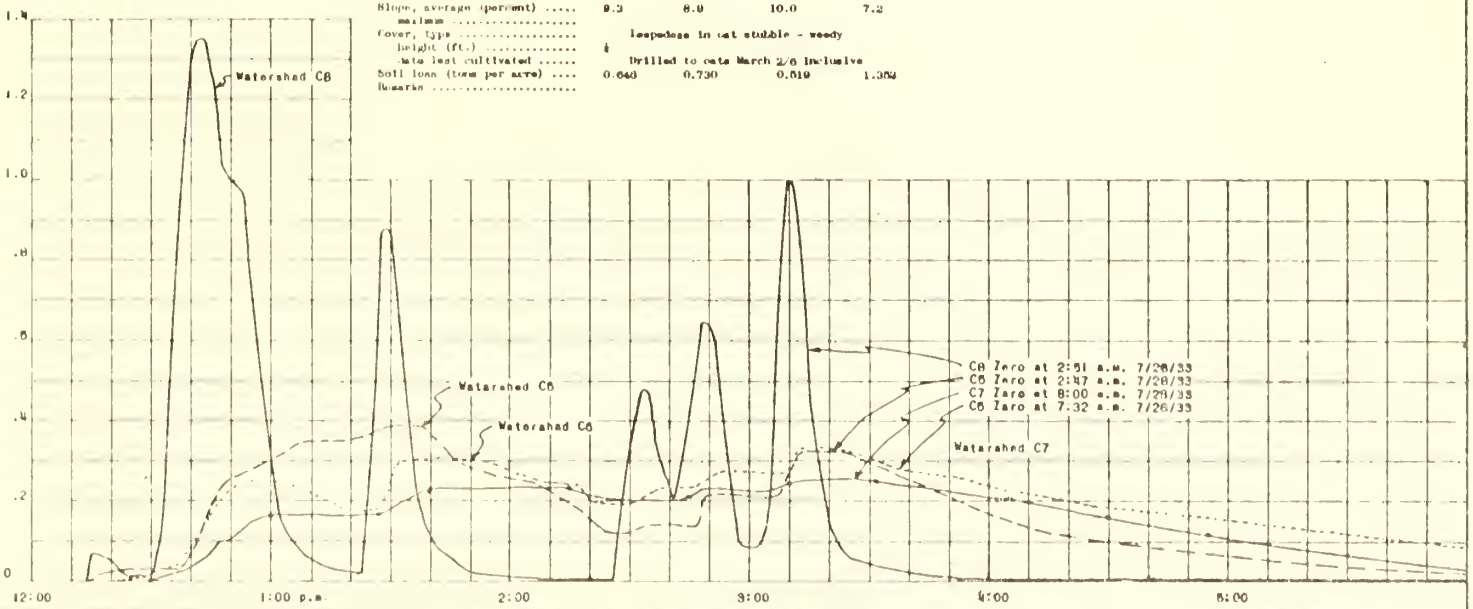
Sheet 3 of 3 sheets

July 27, 1933



Watersheds	C5	C6	C7	C8
Area (acres)	1.412	1.032	1.798	0.123
Preceding Rain (in.)	0.22			
date began	7/26/33			
duration (hours)	0 hrs. 37 min.			
Temperature (max. & min.)	90 - 68			
Soil (major type)	C H C T I	S.	I O & M	Cecil C. loam
percent of area	100	100	85	70
Slope, average (percent)	9.3	8.0	10.0	7.2
maximum				
Cover, type	looseness in oat stubble - weedy			
height (ft.)	4			
date last cultivated	Drilled to oats March 2/6 inclusive			
Soil loss (tons per acre)	0.648	0.730	0.619	1.352
Remarks				

Accumulated runoff
C5 total 1.50" at 7:82 a.m. 7/28/33
C6 total 1.08" at 2:47 a.m. 7/28/33
C8 total 1.02" at 2:51 a.m. 7/28/33
C7 total 1.13" at 8:00 a.m. 7/28/33



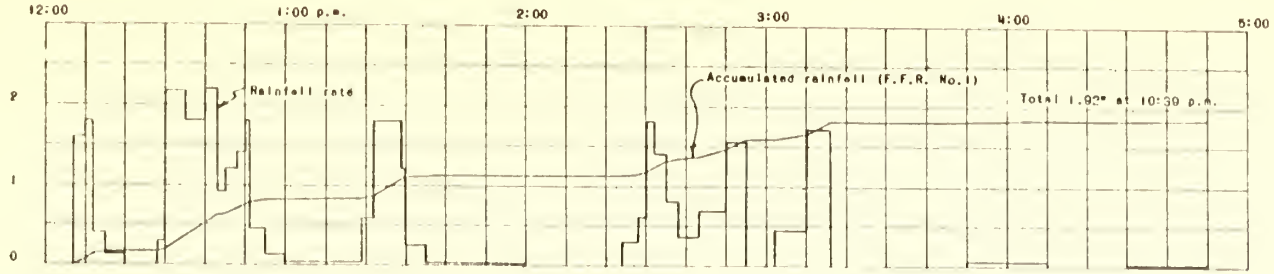
Watershed C5
Watershed C6
Watershed C7
Watershed C8

MOORESVILLE, N. C.

July 27, 1933

Sheet 1 of 2 sheets

July 27, 1933

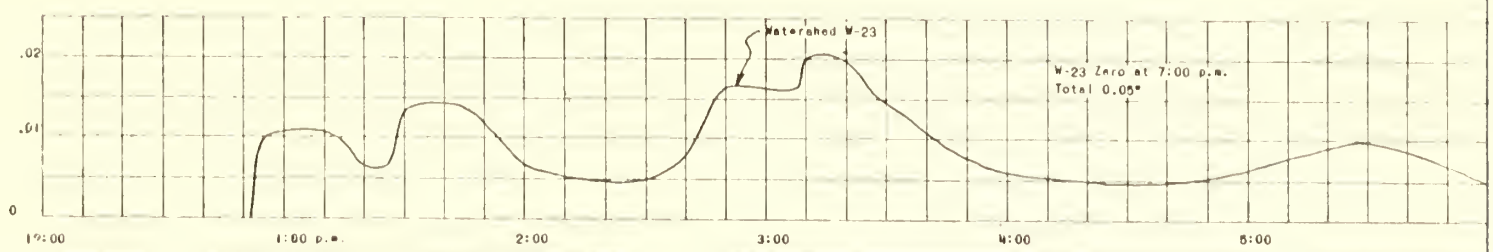


Watershed W-23

Area (acres)	0.006
Preceding Rain (in.)	0.27
date began	7/26/33
duration (hours)	37 min.
Temperature (max. & min.)	90 - 68
Soil (major type)	Appling S. loam
percent of area	100
Slope, average (percent)	18.6
maximum	
Cover, type	Wooded
height (ft.)	
date last cultivated	
Soil loss (tons per acre)	0.001
Remarks	

Rainfall (F.F.R. No.1)

Time	Δt	Σd	Δd	Rate	Time	Δt	Σd	Δd	Rate
	Min.	in.	in.	in./hr.		Min.	in.	in.	in./hr.
p.m.									
12:07	—	0	—	—	1:35	5	1.12	.02	.24
:10	3	.08	.08	1.60	2:00	25	1.13	.01	.02
:12	2	.14	.06	1.80	:24	24	1.13	0	0
:15	3	.16	.02	.40	:28	4	1.15	.02	.30
:20	5	.17	.01	.12	:30	2	1.17	.02	.60
:28	8	.17	0	0	:32	2	1.23	.06	1.80
:30	2	.18	.01	.30	:35	3	1.30	.07	1.40
:35	5	.36	.18	2.16	:38	3	1.34	.04	.80
:40	5	.51	.15	1.80	:43	5	1.37	.03	.36
:43	3	.62	.11	2.20	:50	7	1.45	.08	.68
:45	2	.65	.03	.90	:55	5	1.58	.13	1.56
:48	3	.71	.06	1.20	2:00	7	1.58	0	0
:50	2	.76	.05	1.50	:10	8	1.64	.06	.45
:51	1	.79	.03	1.80	:16	6	1.81	.17	1.70
:55	4	.82	.03	.45	:50	34	1.81	0	0
1:00	5	.83	.01	.12	4:10	20	1.83	.02	.06
:19	19	.84	.01	.03	:30	20	1.83	0	0
:22	3	.87	.03	.60	:50	20	1.84	.01	.03
:24	2	.89	.06	1.80	10:20	330	1.84	0	0
:29	5	1.08	.15	1.80	:26	6	1.89	.05	.50
:30	1	1.10	.02	1.20	:30	4	1.91	.02	.30
					:35	5	1.92	.01	.12

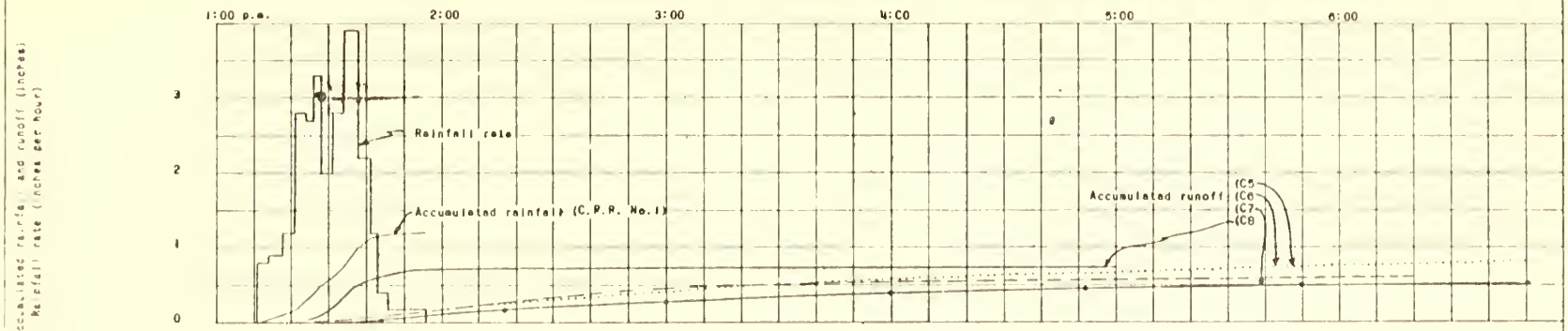


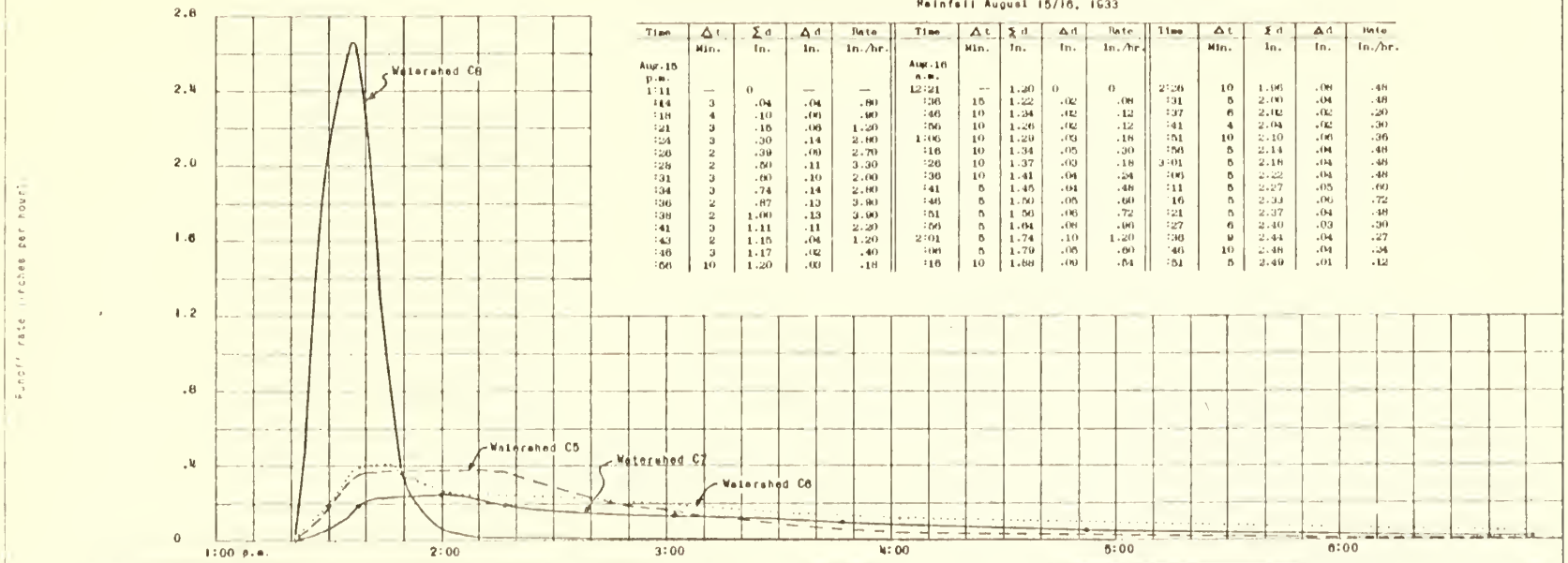
Accumulated runoff (inches) Watershed W-23 — 0 .5 .8 .9

STATESVILLE, N. C.
July 27, 1933

Sheet 2 of 2 sheets

August 15, 1933





Rainfall August 15/16, 1933

Time	Δt Min.	Σd In.	Δd In.	Rate In./hr.	Time	Δt Min.	Σd In.	Δd In.	Rate In./hr.	Time	Δt Min.	Σd In.	Δd In.	Rate In./hr.
Aug. 15 p.m.					Aug. 16 a.m.									
1:11	—	0	—	—	12:21	—	1.20	0	0	2:26	10	1.96	.08	.48
:14	3	.04	.04	.80	:36	15	1.22	.02	.08	:31	5	2.00	.04	.48
:18	4	.10	.06	.90	:46	10	1.34	.02	.12	:37	6	2.02	.02	.20
:21	3	.16	.06	1.20	:56	10	1.26	.02	.12	:41	4	2.04	.02	.30
:24	3	.30	.14	2.80	1:06	10	1.20	.03	.18	:51	10	2.10	.06	.36
:26	2	.39	.09	2.70	:16	10	1.34	.05	.30	:56	5	2.14	.04	.48
:28	2	.50	.11	3.30	:26	10	1.37	.03	.18	3:01	5	2.18	.04	.48
:31	3	.60	.10	2.00	:36	10	1.41	.04	.24	:06	5	2.22	.04	.48
:34	3	.74	.14	2.80	:41	5	1.45	.04	.48	:11	5	2.27	.05	.60
:36	2	.87	.13	3.90	:46	5	1.50	.05	.60	:16	5	2.33	.06	.72
:38	2	1.00	.13	3.90	:51	5	1.56	.06	.72	:21	5	2.37	.04	.48
:41	3	1.11	.11	2.20	:56	5	1.64	.08	.96	:27	6	2.40	.03	.30
:43	2	1.15	.04	1.20	2:01	5	1.74	.10	1.20	:36	9	2.44	.04	.27
:46	3	1.17	.02	.40	:06	5	1.79	.05	.60	:46	10	2.48	.04	.24
:56	10	1.20	.00	.18	:16	10	1.88	.09	.54	:51	5	2.49	.01	.12

Accumulated runoff (inches)

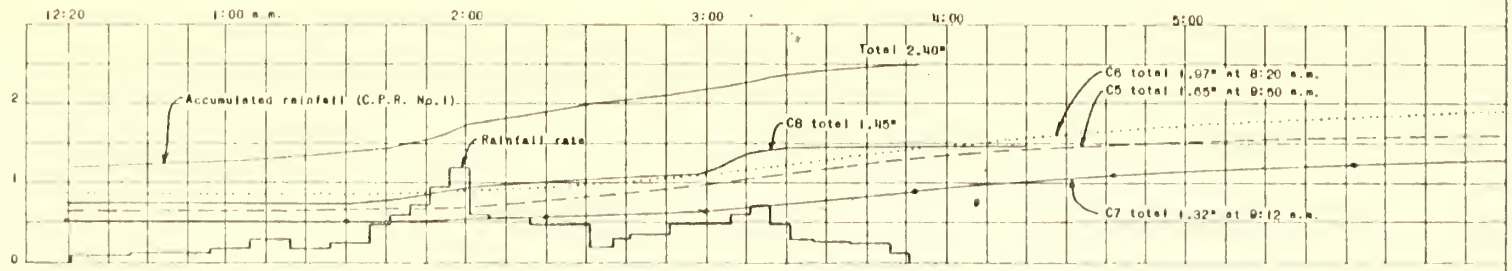
Watershed C5	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Watershed C6	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Watershed C7	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Watershed C8	0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

STATENVILLE, N. C.

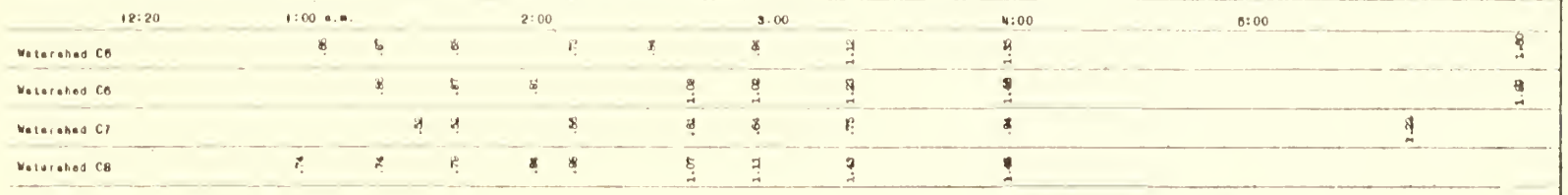
August 15/16, 1933

Sheet 1 of 3 sheets

August 16, 1933

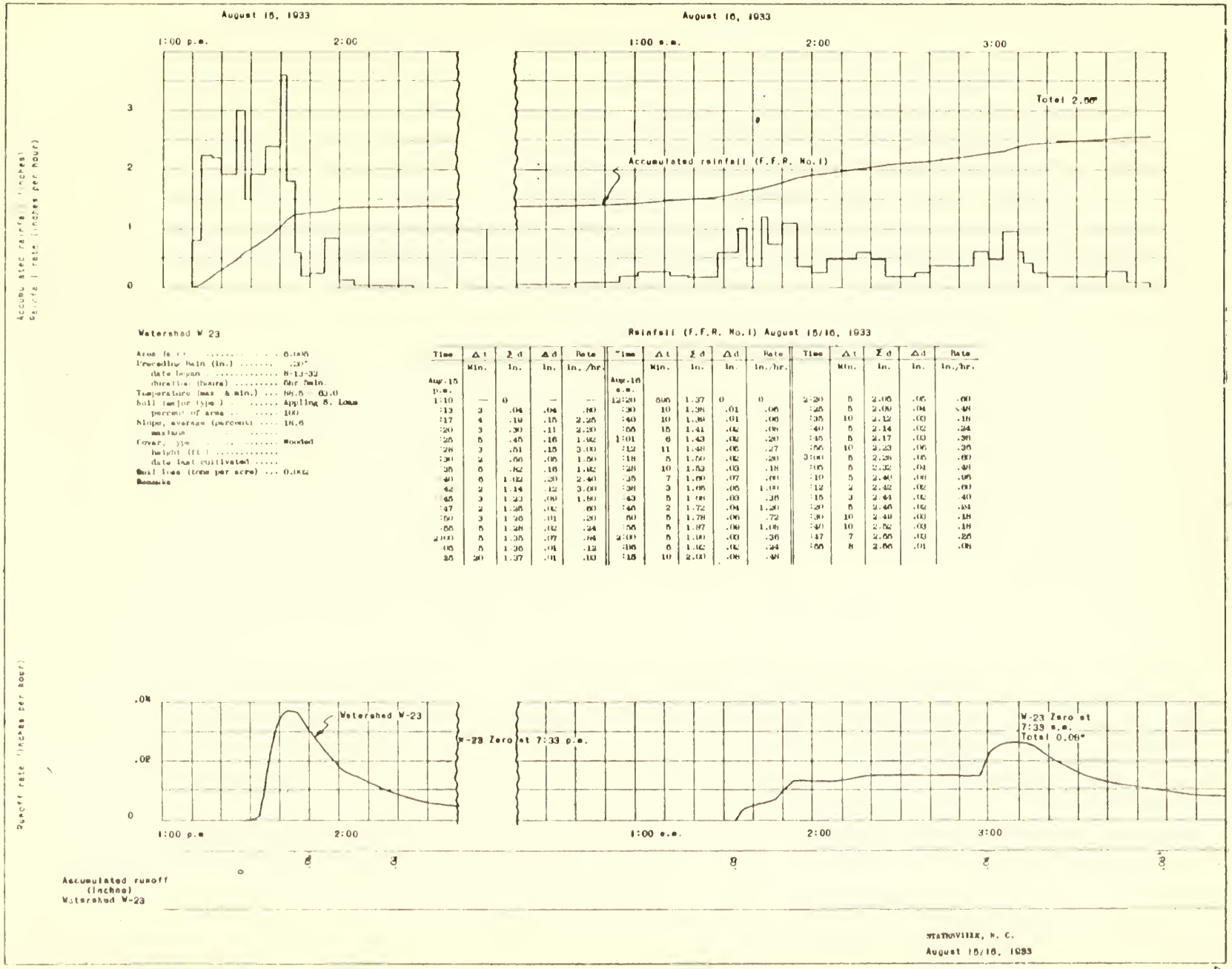


Watersheds	C5	C6	C7	C8
Area (acres)	1.412	1.632	1.706	5.123
Preceding Rain (in.)	.27			
date began	8-13-33			
duration (hours)	Nor llein			
Temperature (max. & min.)	88.5 - 63.0			
Soil (major type)	C E C I L S A N D Y L O A M			Cecil C. loam
percent of area	100	100	85	70
Slope, average (percent)	8.3	8.9	10.0	7.21
maximum				
Cover, type	Lespedeza in oat stubble			
height (ft.)	0.6			
date last cultivated	Oats drilled March 2-6 inclusive.			
Soil loss (tons per acre)	0.709	0.733	0.816	1.535
Remarks				



STATESVILLE, N. C.
August 15-16, 1933

Sheet 2 of 3 sheets



Watershed W 23

Area (acres) 6.186
Preceding Rain (in.) ..... .33"
date began 8-13-33
duration (hours) ..... 6hr 7min.
Temperature (max. & min.) ... 86.5 — 63.0
Soil (major type) ..... Appling S. Loam
percent of area 100
Slope, average (percent) 18.6
maximum .....
Cover, type ..... Wooded
height (ft.) .....
date last cultivated .....
Soil loss (tons per acre) ... 0.064
Remarks

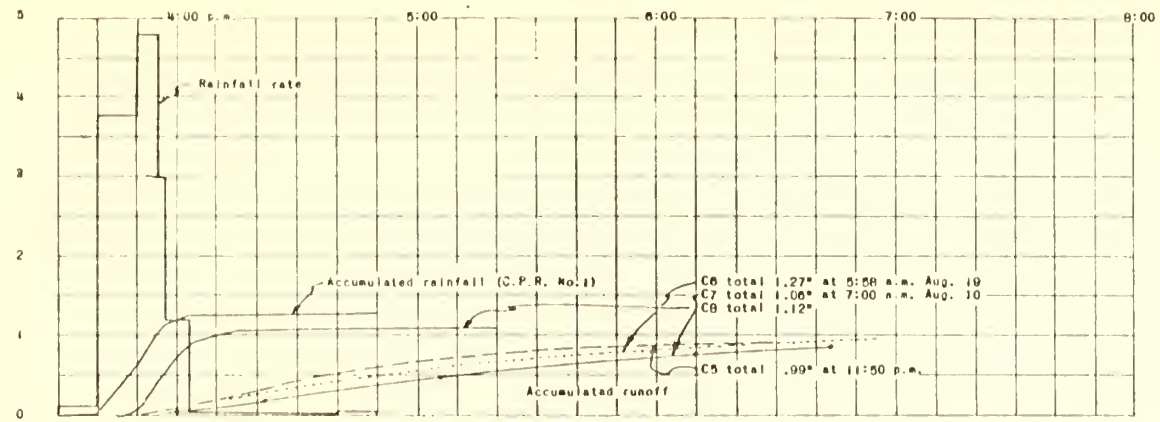
Rainfall (F.F.R. No. 1) August 15/16, 1933

Time	Δt	Σd	Δd	Rate	Time	Δt	Σd	Δd	Rate	Time	Δt	Σd	Δd	Rate
	Min.	In.	In.	In./hr.		Min.	In.	In.	In./hr.		Min.	In.	In.	In./hr.
Aug. 15 p.m.					Aug. 16 a.m.									
1:10	—	0	—	—	12:20	505	1.37	0	0	2:20	5	2.05	.05	.60
:13	3	.04	.04	.80	:30	10	1.38	.01	.06	:25	5	2.09	.04	.48
:17	4	.10	.15	2.25	:40	10	1.39	.01	.06	:35	10	2.12	.03	.18
:20	3	.30	.11	2.20	:55	15	1.41	.02	.08	:40	5	2.14	.02	.24
:25	5	.45	.16	1.92	1:01	6	1.43	.02	.20	:45	5	2.17	.03	.36
:28	3	.51	.15	3.00	:12	11	1.48	.05	.27	:55	10	2.23	.06	.36
:30	2	.66	.05	1.50	:18	5	1.50	.02	.20	3:00	5	2.26	.03	.60
:35	5	.82	.16	1.92	:28	10	1.53	.03	.18	:05	5	2.32	.04	.48
:40	5	1.02	.20	2.40	:35	7	1.60	.07	.60	:10	5	2.40	.08	.96
:42	2	1.14	.12	3.60	:38	3	1.65	.05	1.00	:12	2	2.42	.02	.60
:45	3	1.23	.09	1.80	:43	5	1.69	.03	.36	:15	3	2.44	.02	.40
:47	2	1.26	.03	.60	:45	2	1.72	.04	1.20	:20	5	2.46	.02	.24
:50	3	1.26	.01	.20	:50	5	1.78	.06	.72	:30	10	2.49	.03	.18
:55	5	1.28	.02	.24	:55	5	1.87	.09	1.08	:40	10	2.52	.03	.18
2:00	5	1.35	.07	.84	2:00	5	1.90	.03	.36	:47	7	2.55	.03	.26
:05	5	1.36	.01	.12	:05	5	1.92	.02	.24	:55	8	2.56	.01	.08
:35	20	1.37	.01	.03	:15	10	2.00	.08	.48					

STATESVILLE, N. C.
August 15/16, 1933

Sheet 8 of 8 sheets

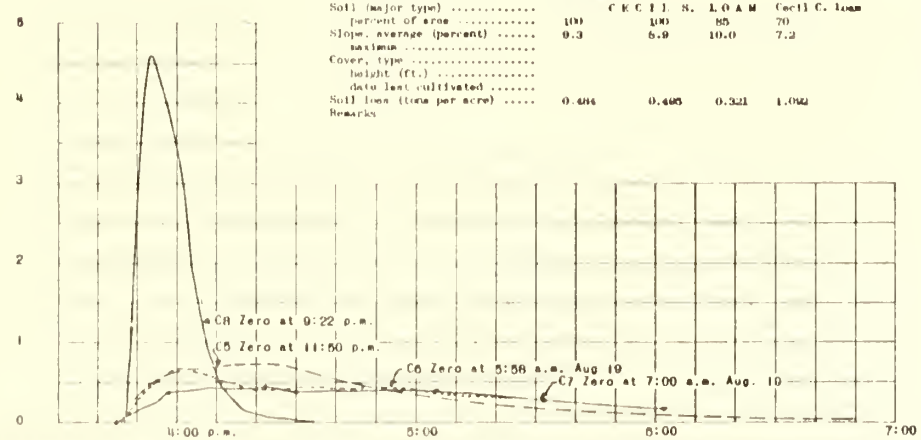
August 18, 1933



Watersheds	C5	C6	C7	C8
Area (acres)	1.412	1.032	1.798	5.123
Preceding rain (in.)	0.22			
date begun	8/17/33			
duration (hours)	6hr.2min.			
Temperature (max. & min.)	80.5 — 68.5			
Soil (major type)	C K C I L S.	L O A M		Cecil C. loam
percent of area	100	100	85	70
Slope, average (percent)	0.3	6.9	10.0	7.2
maximum				
Cover, type				
height (ft.)				
date last cultivated				
Soil loss (tons per acre)	0.484	0.465	0.321	1.092
Remarks				

Rainfall August 18, 1933 (C.P.R. No. 1)

Time	Δt Min.	Σd In.	Δd In.	Rate In./hr.
p.m. 3:30	—	0	—	—
:40	10	.02	.02	0.12
:50	10	.65	.63	3.78
:55	5	1.05	.40	4.80
:57	2	1.15	.10	3.00
4:00	3	1.21	.06	1.20
:03	3	1.27	.06	1.20
:20	17	1.28	.01	.04
:40	20	1.29	.01	.03
:50	10	1.30	.01	.06



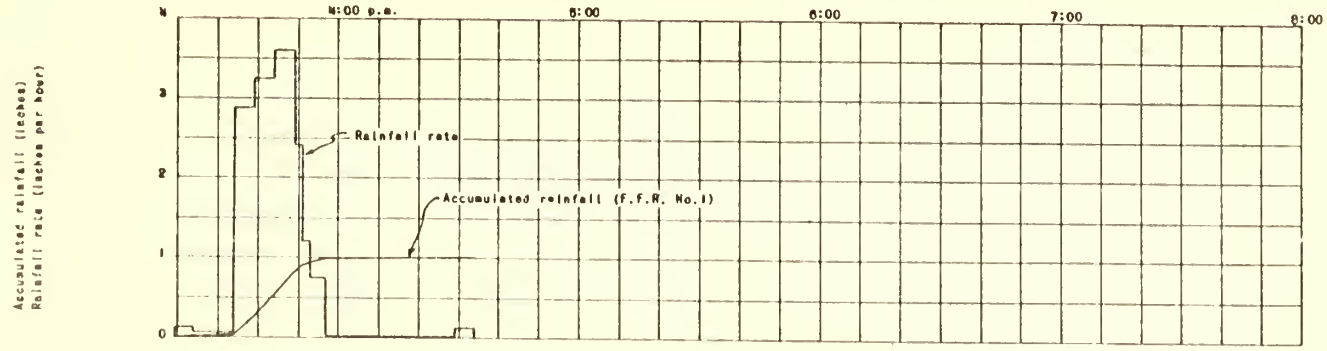
Accumulated runoff (inches)

Watershed C5	0		.04	.10		.33		.54		.64		.72		.86										.94
Watershed C6	0	0	.01	.05		.26				.56		.63		.77										1.00
Watershed C7	0	0	.01	.03		.19		.34				.55		.67										.87
Watershed C8	0		.19	.74	1.03	1.08		1.10																1.11

STATESVILLE, N. C.
August 18, 1933

Sheet 1 of 2 sheets

August 18, 1933

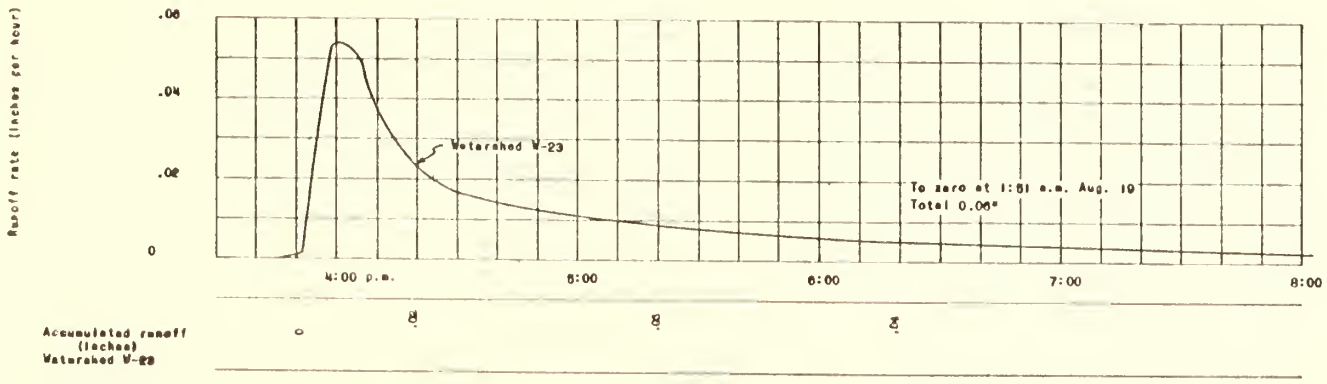


Watershed W-23

Area (acres)	6.006
Preceding Rain (in.)	0.24
date began	8/17/33
duration (hours)	5 hr. 50 min.
Temperature (max. & min.)	89.5 - 68.5
Soil (major type)	Appling S. Loam
percent of area	100
Slope, average (percent)	18.5
maximum	
Cover, type	Wooded
height (ft.)	-
date last cultivated	-
Soil loss (tons per acre)	0.002
Remarks	

Rainfall August 18, 1933 (F.F.R. No.1)

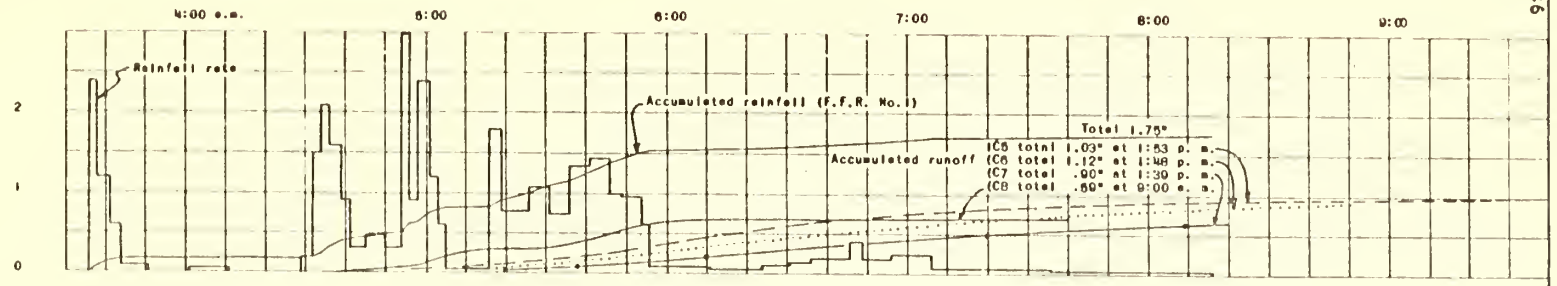
Time	Δt	Σd	Δd	Rate
	Min.	In.	In.	In./hr.
p.m.				
3:19	—	0	—	—
:24	5	.01	.01	.12
:34	10	.02	.01	.06
:39	5	.26	.24	2.88
:44	5	.53	.27	3.24
:49	5	.83	.30	3.60
:51	2	.91	.08	2.40
:53	2	.95	.04	1.20
:57	4	1.00	.05	.75
4:29	23	1.01	.01	.02
:34	5	1.02	.01	.12

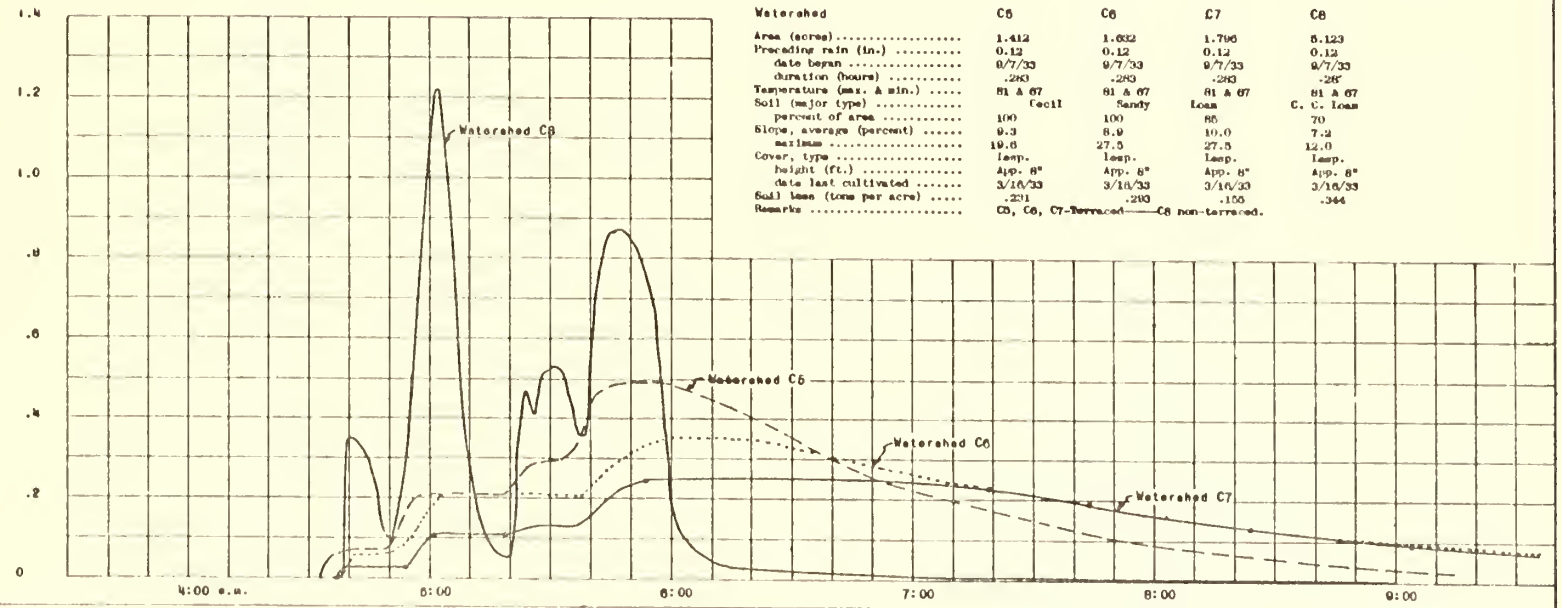


STATESVILLE, N. C.
August 18, 1933

Sheet 2 of 2 sheets

September 13, 1933





Watershed	C5	C6	C7	C8
Area (acres)	1.412	1.632	1.796	5.123
Preceding rain (in.)	0.12	0.12	0.12	0.12
date began	9/7/33	9/7/33	9/7/33	9/7/33
duration (hours)	.283	.283	.283	.283
Temperature (max. & min.)	81 & 67	81 & 67	81 & 67	81 & 67
Soil (major type)	Cecil	Sandy	Loam	C. C. Loam
percent of area	100	100	85	70
Slope, average (percent)	9.3	8.9	10.0	7.2
maximum	19.6	27.5	27.5	12.0
Cover, type	Lesp.	Lesp.	Lesp.	Lesp.
height (ft.)	App. 8"	App. 8"	App. 8"	App. 8"
date last cultivated	3/16/33	3/16/33	3/16/33	3/16/33
Soil loss (tons per acre)	.231	.293	.155	.344
Remarks	C5, C6, C7-Terraced——C8 non-terraced.			

Accumulated runoff (inches)

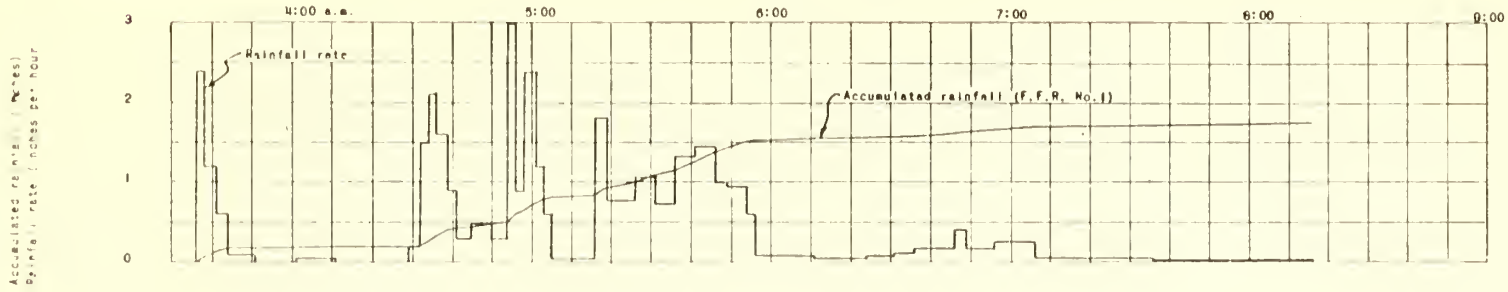
Watershed C5	0	.14	.21	.23	.24	.24	.24
Watershed C6	0	.08	.17	.19	.19	.19	
Watershed C7	0	.08	.08	.10	.10		
Watershed C8	0	.16	.18	.19	.19	.19	.19

STATESVILLE, N. C.

September 13, 1933

Sheet 1 of 2 sheets

September 13, 1933

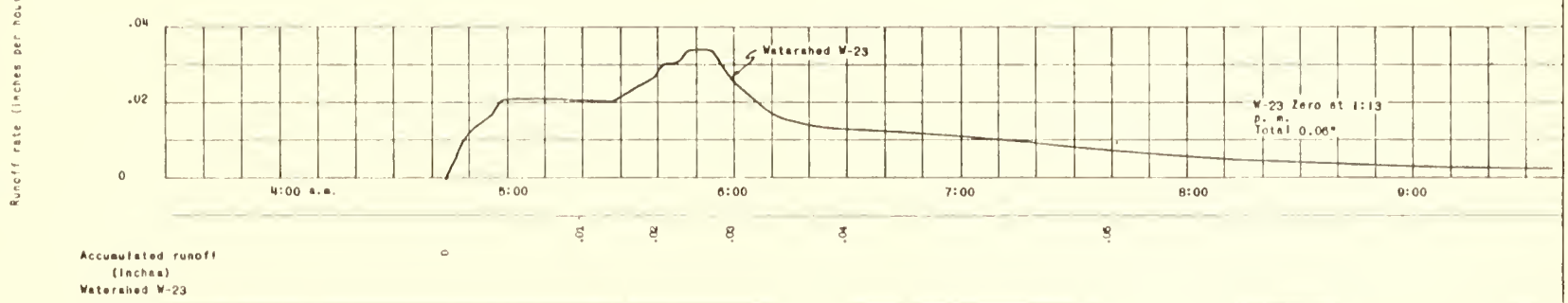


Watershed W-23

Area (acres)	6.035
Preceding rain (in.)	0.12
date began	9/7/33
duration (hours)	.283
Temperature (max & min.)	81 & 67
Soil (major type)	Appling S. loam
percent of area	100
Slope, average (percent)	18.6
maximum	- - -
Cover, type	Wooded
height (ft.)	- - -
date last cultivated	- - -
Soil loss (tons per acre)	0.002
Remarks	

Rainfall September 13, 1933

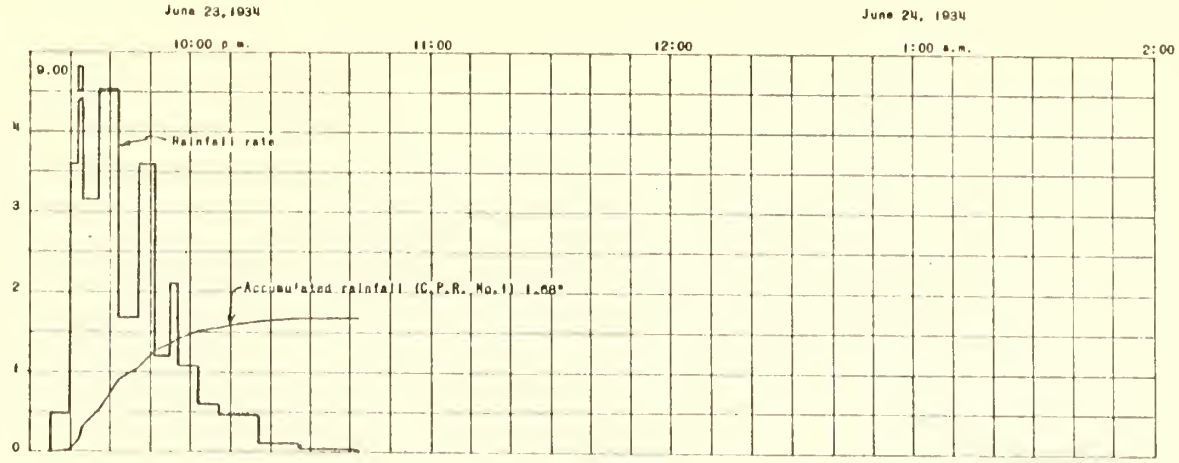
Time	Δt Min.	Σd In.	Δd In.	Rate In./hr.	Time	Δt Min.	Σd In.	Δd In.	Rate In./hr.
a.m.									
3:36	—	0	--	--	5:16	11	.83	.01	.05
:38	2	.08	.08	2.40	:19	3	.82	.06	1.80
:41	3	.14	.06	1.20	:26	7	1.01	.09	.77
:44	3	.17	.03	.60	:31	5	1.10	.09	1.08
:51	7	.18	.01	.09	:36	5	1.16	.06	.72
4:01	10	.18	0	0	:41	5	1.27	.11	1.32
:11	10	.19	.01	.06	:46	5	1.39	.12	1.41
:20	18	.19	0	0	:49	3	1.41	.06	1.00
:32	3	.20	.01	.20	:54	5	1.52	.08	.96
:34	2	.25	.05	1.50	:56	2	1.54	.02	.60
:36	2	.32	.07	2.10	6:11	15	1.56	.02	.08
:39	3	.40	.08	1.60	:24	13	1.57	.01	.05
:41	2	.43	.03	.90	:31	7	1.58	.01	.09
:45	4	.45	.02	.30	:36	5	1.59	.01	.12
:50	5	.49	.04	.48	:46	10	1.62	.03	.18
:54	4	.51	.02	.30	:49	3	1.64	.02	.40
:56	2	.61	.10	3.00	:56	7	1.66	.02	.17
:58	2	.64	.03	.90	7:06	10	1.70	.04	.24
5:01	3	.76	.12	2.40	:26	20	1.72	.02	.06
:03	2	.80	.04	1.20	:36	10	1.73	.01	.06
:05	2	.82	.02	.60	:56	20	1.74	.01	.03
					8:16	20	1.75	.01	.03



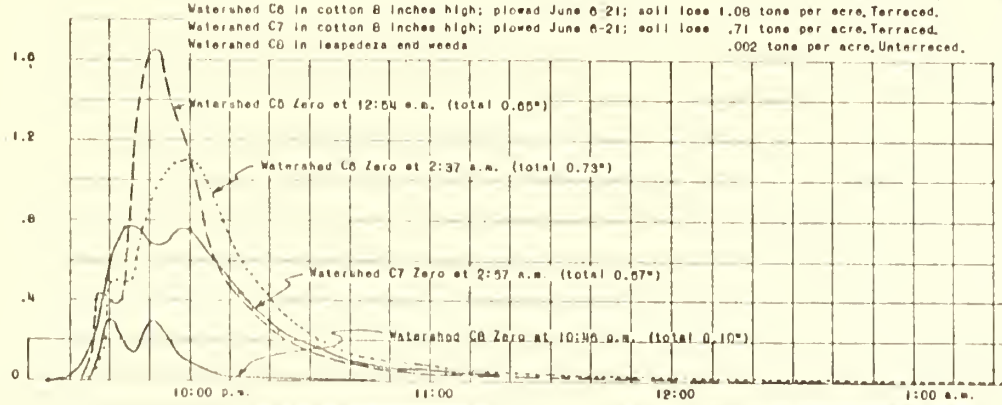
STATESVILLE, N. C.

September 13, 1933

Sheet 2 of 2 sheets



Watershed C5 in cotton 8 inches high; plowed June 6-21; soil loss 1.44 tons per acre, Terraced.
Watershed C6 in cotton 8 inches high; plowed June 6-21; soil loss 1.08 tons per acre, Terraced.
Watershed C7 in cotton 8 inches high; plowed June 6-21; soil loss .71 tons per acre, Terraced.
Watershed C8 in lespedeza and weeds .002 tons per acre, Unterraced.



Rainfall June 23, 1934 (C.P.R. No.1)

Time	Δt	Σd	Δd	Rate
	Min.	In.	In.	In./hr.
p.m.				
8:25	—	0	—	0
30	5	.04	.04	.48
31	1	.10	.06	3.60
32	1	.16	.06	3.60
33	1	.31	.15	9.00
37	4	.52	.21	3.15
42	5	.90	.38	4.56
47	5	1.04	.14	1.68
51	4	1.28	.24	3.00
55	4	1.36	.08	1.20
57	2	1.43	.07	2.10
10:02	5	1.52	.09	1.08
07	5	1.57	.05	.60
12	5	1.61	.04	.48
17	5	1.65	.04	.48
25	10	1.67	.02	.12
42	16	1.68	.01	.04

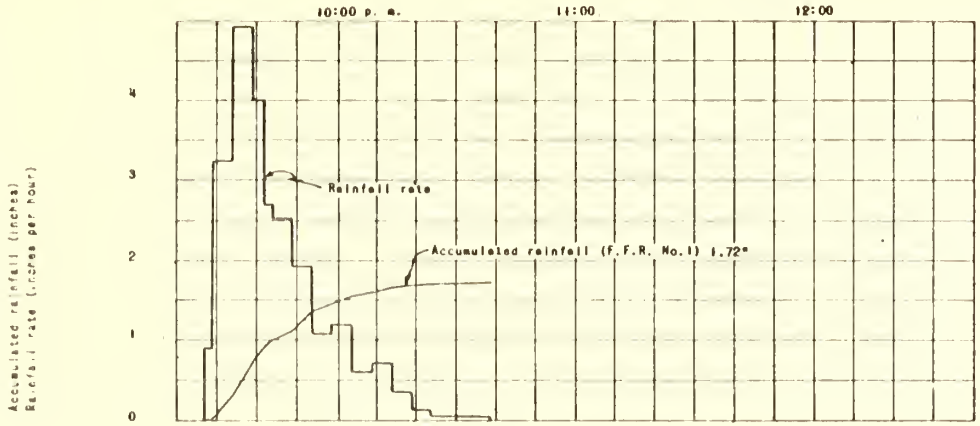
Accumulated runoff (inches)

Watershed C5	0	.01	.08	.30	.51	.68		.84		.88	
Watershed C6	0	.01	.24	.50	.64	.69		.71	.72		
Watershed C7	0	.02	.12	.45	.50	.53		.55			
Watershed C8	0	.01	.08		.10						

MERTHOSTOLE, N. C.
June 23/24, 1934

Sheet 1 of 2 sheets

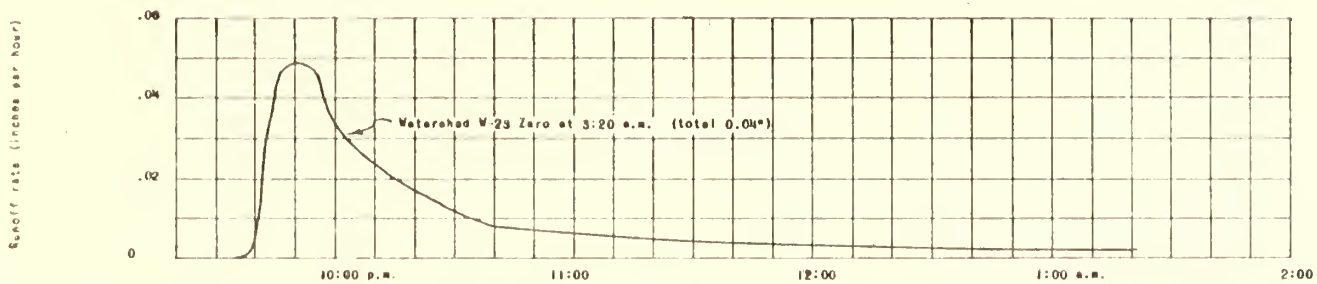
June 23, 1934



Watershed W-23 wooded

Rainfall June 23, 1934 (F.F.R. No.1)

Time	Δt	Σd	Δd	Rate
	Min.	In.	In.	In./hr.
p.m.				
9:27	—	0	—	0
:29	2	.03	.03	.00
:34	5	.30	.27	3.24
:39	5	.71	.41	4.92
:42	3	.91	.20	4.00
:44	2	1.00	.09	2.70
:49	5	1.21	.21	2.52
:54	5	1.37	.16	1.92
:59	5	1.46	.09	1.08
10:04	5	1.56	.10	1.20
:09	5	1.61	.05	.60
:14	5	1.67	.06	.72
:19	5	1.70	.03	.36
:24	5	1.71	.01	.12
:29	15	1.72	.01	.04

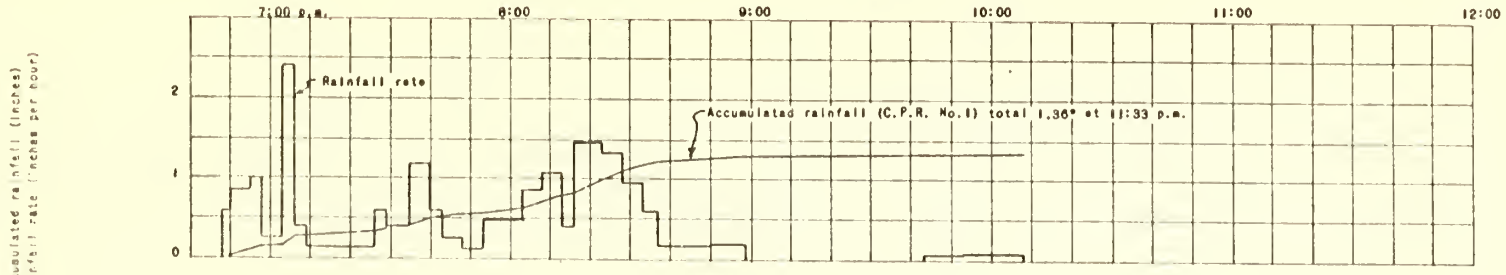


Accumulated runoff (inches) Watershed W-23

STATESVILLE, N. C.
June 23, 1934

Sheet 2 of 2 sheets

July 1, 1934

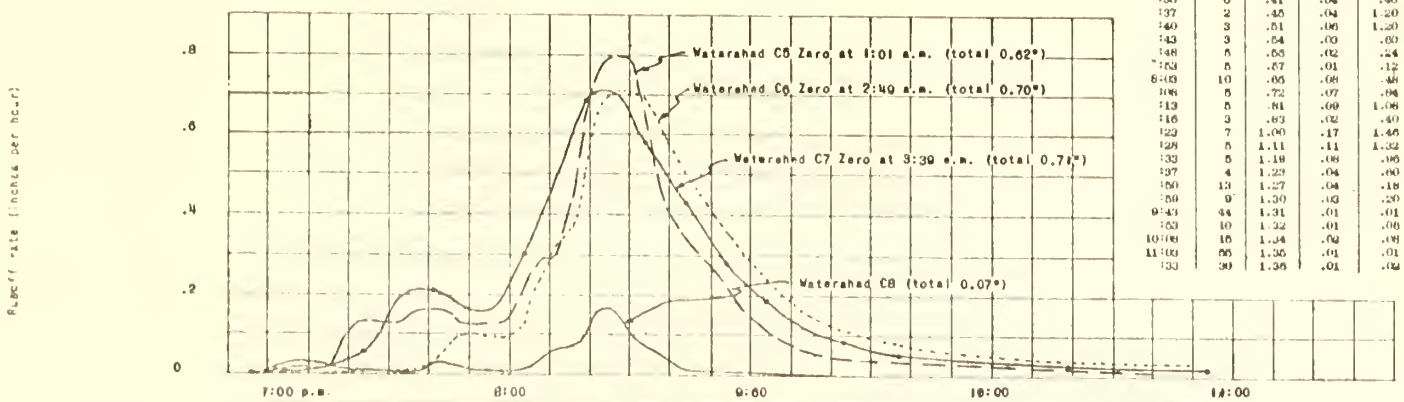


Watershed C5, C6, C7 in cotton 8" high; cultivated in June. Terraced
Watershed C8 in lespedeza and seede; mowed July 9. Unterraced

Soil loss: C5 0.81 tons per acre
C6 .62 tons per acre
C7 .43 tons per acre
C8 .11 tons per acre

Rainfall July 1, 1934 (C.P.R. No.1)

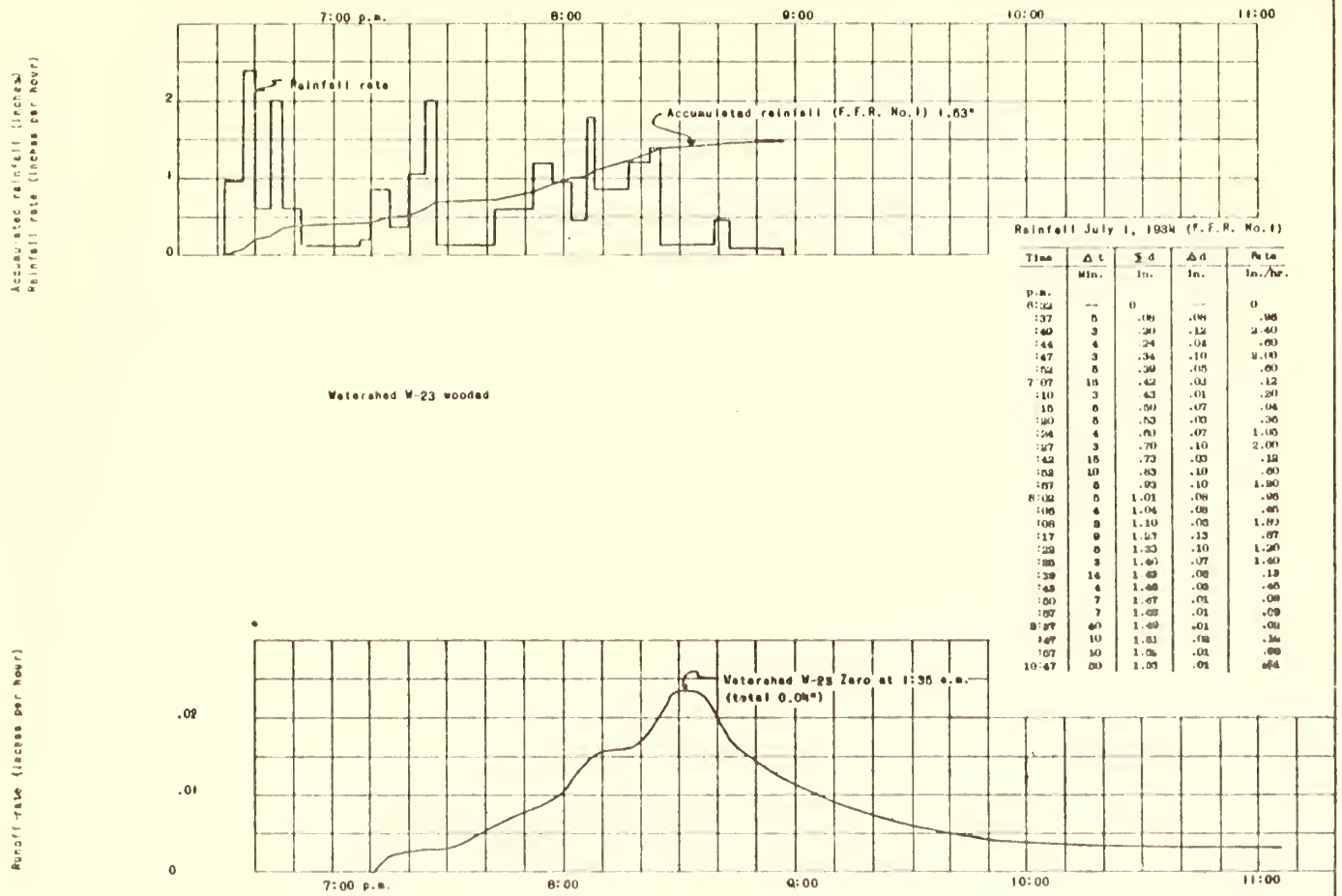
Time	Δt	Σd	Δd	Rate
	Min.	In.	In.	In./hr.
p.m.				
6:48	—	0	—	0
150	2	.02	.02	.60
155	5	.09	.07	.84
158	3	.14	.05	1.00
7:00	5	.16	.02	.24
106	3	.28	.12	2.40
109	3	.30	.02	.40
126	17	.34	.04	.14
129	3	.37	.03	.60
135	6	.41	.04	.40
137	2	.45	.04	1.20
140	3	.51	.06	1.20
143	3	.54	.03	.60
148	5	.55	.02	.24
153	5	.57	.01	.12
8:03	10	.65	.08	.48
108	5	.72	.07	.84
113	5	.81	.09	1.08
116	3	.83	.02	.40
123	7	1.00	.17	1.46
128	5	1.11	.11	1.32
133	5	1.19	.08	.96
137	4	1.23	.04	.60
150	13	1.27	.04	.18
250	9	1.30	.03	.20
9:43	44	1.31	.01	.01
153	10	1.32	.01	.06
10:08	15	1.34	.02	.08
11:03	55	1.35	.01	.01
133	30	1.36	.01	.02



STATESVILLE, N. C.
July 1, 1934

Sheet 1 of 2 sheets

July 1, 1934



Rainfall July 1, 1934 (F.F.R. No.1)

Time	Δ t	Σ d	Δ d	Rate
	Min.	In.	In.	In./hr.
p.m.				
6:32	--	0	—	0
:37	5	.08	.08	.96
:40	3	.20	.12	2.40
:44	4	.24	.04	.60
:47	3	.34	.10	2.00
:52	5	.39	.05	.60
7:07	15	.42	.03	.12
:10	3	.43	.01	.20
:15	5	.50	.07	.84
:20	5	.53	.03	.36
:24	4	.60	.07	1.05
:27	3	.70	.10	2.00
:42	15	.73	.03	.12
:52	10	.83	.10	.60
:57	5	.93	.10	1.20
8:02	5	1.01	.08	.96
:05	4	1.04	.03	.45
:08	3	1.10	.06	1.20
:17	9	1.23	.13	.87
:22	5	1.33	.10	1.20
:25	3	1.40	.07	1.40
:39	14	1.43	.03	.13
:45	4	1.46	.03	.45
:50	7	1.47	.01	.09
:57	7	1.48	.01	.09
9:27	30	1.49	.01	.02
:47	10	1.51	.02	.36
:57	10	1.52	.01	.09
10:47	50	1.53	.01	.04

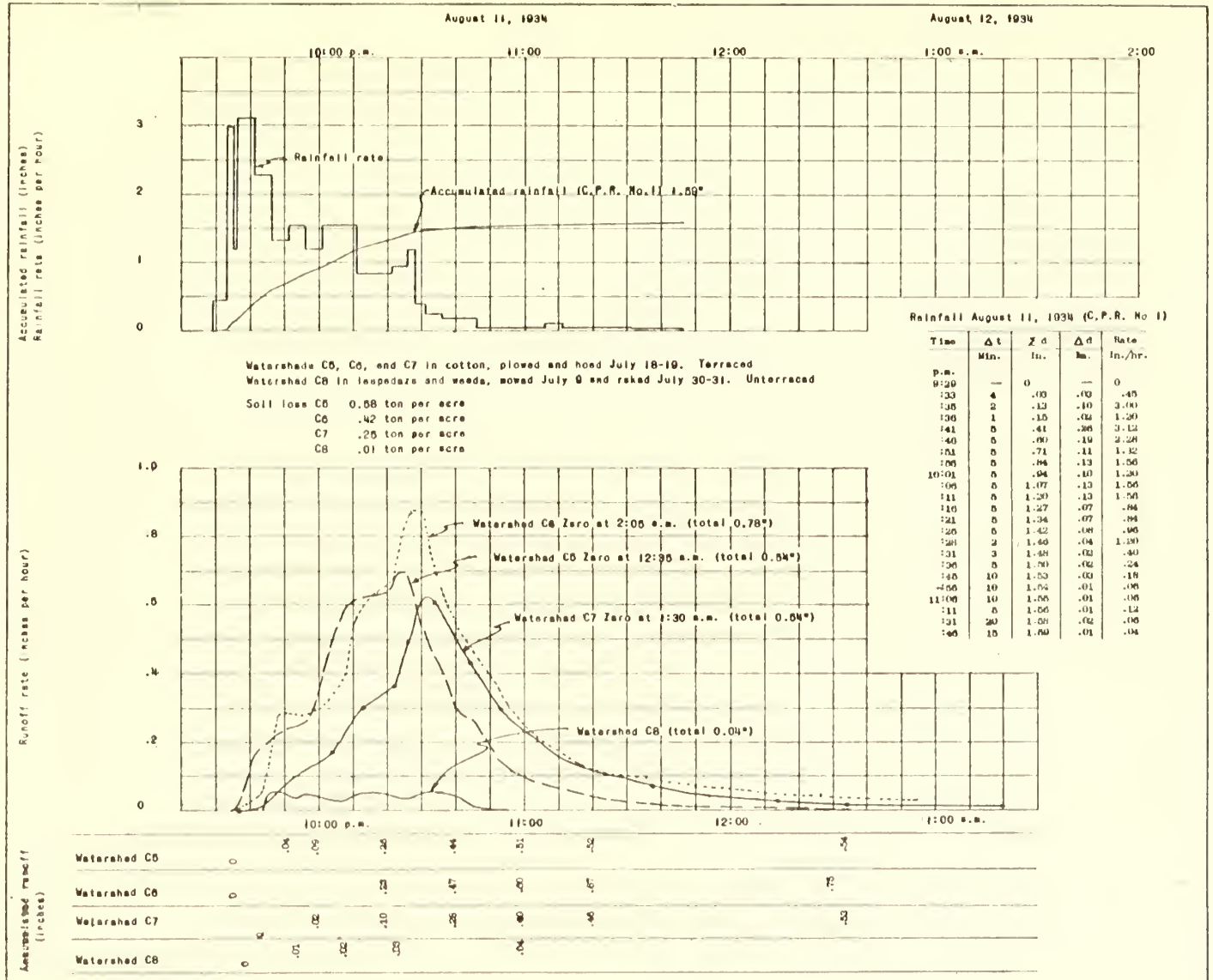
Accumulated runoff (inches) Watershed W-23

0 .5 .8 .8

SYRACUSE, N. Y.

July 1, 1934

Sheet 8 of 8 sheets



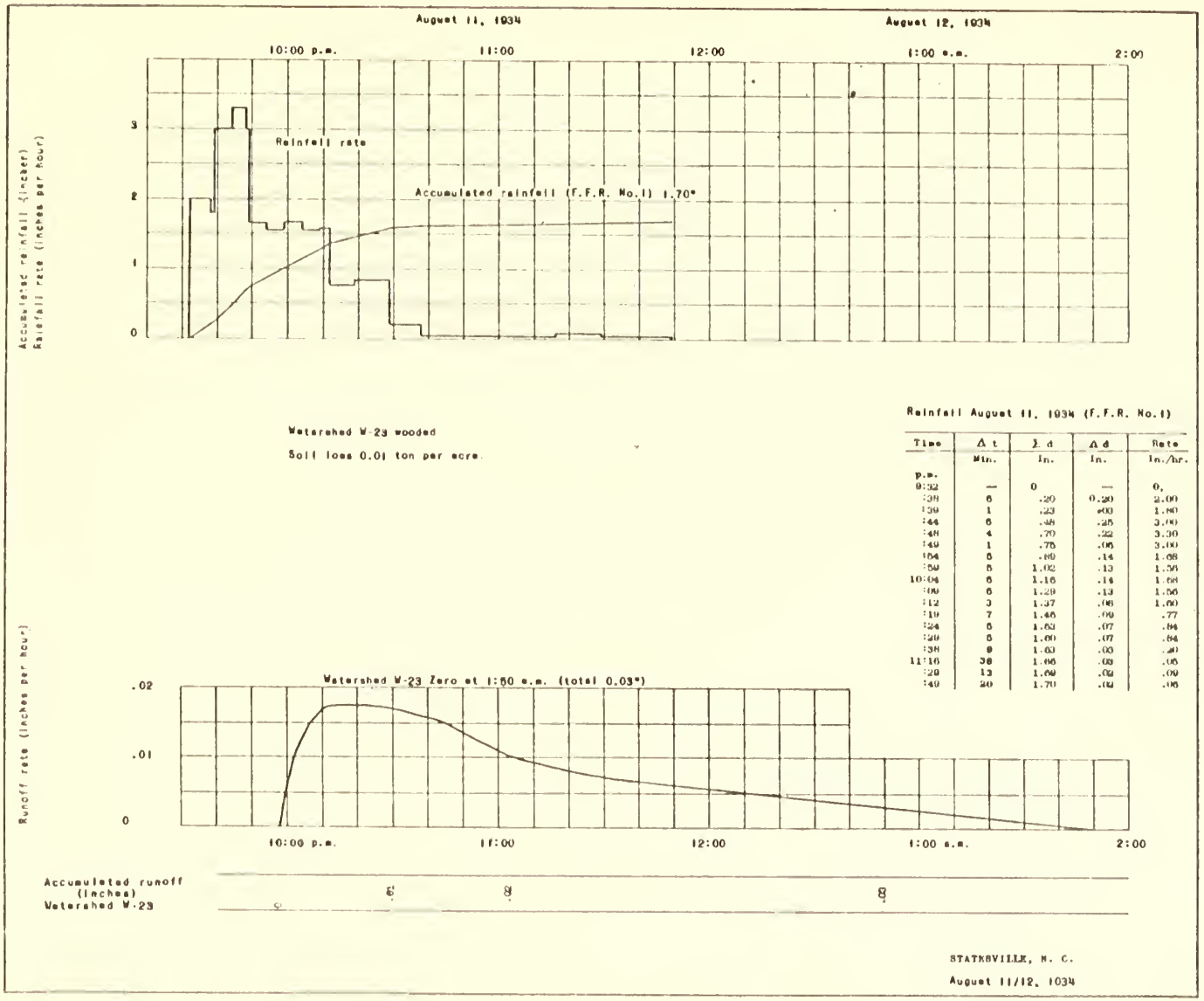
Rainfall August 11, 1934 (C.P.R. No 1)

Time	Δt Min.	Σd In.	Δd In.	Rate In./hr.
p.m.				
9:29	—	0	—	0
:33	4	.03	.03	.45
:35	2	.13	.10	3.00
:36	1	.15	.02	1.20
:41	5	.41	.26	3.12
:46	5	.60	.19	2.28
:51	5	.71	.11	1.32
:56	5	.84	.13	1.56
10:01	5	.94	.10	1.20
:06	5	1.07	.13	1.56
:11	5	1.20	.13	1.56
:16	5	1.27	.07	.84
:21	5	1.34	.07	.84
:26	5	1.42	.08	.96
:28	2	1.46	.04	1.20
:31	3	1.48	.02	.40
:36	5	1.50	.02	.24
:46	10	1.53	.03	.18
:56	10	1.54	.01	.06
11:06	10	1.55	.01	.06
:11	5	1.56	.01	.12
:31	20	1.58	.02	.06
:46	15	1.59	.01	.04

STATESVILLE, N. C.

August 11/12, 1934

Sheet 1 of 2 sheets



Rainfall August 11, 1934 (F.F.R. No.1)

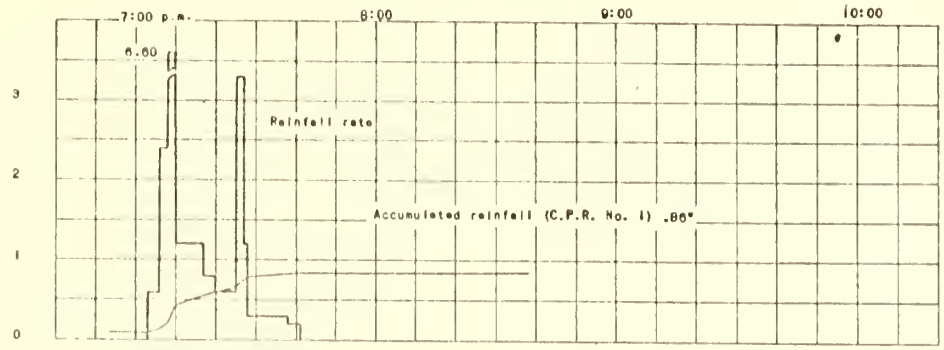
Time	Δ t	Σ d	Δ d	Rate
	Min.	In.	In.	In./hr.
p.m.				
9:32	—	0	—	0.
:38	6	.20	0.20	2.00
:39	1	.23	.03	1.80
:44	6	.48	.25	3.00
:48	4	.70	.22	3.30
:49	1	.75	.05	3.00
:54	5	.89	.14	1.68
:59	5	1.02	.13	1.56
10:04	5	1.16	.14	1.68
:09	5	1.29	.13	1.56
:12	3	1.37	.08	1.60
:19	7	1.46	.09	.77
:24	5	1.53	.07	.84
:29	5	1.60	.07	.84
:38	9	1.63	.03	.20
11:18	38	1.66	.03	.05
:28	13	1.69	.02	.09
:40	20	1.70	.02	.06

STATESVILLE, N. C.

August 11/12, 1934

Sheet 2 of 2 sheets

August 23, 1934

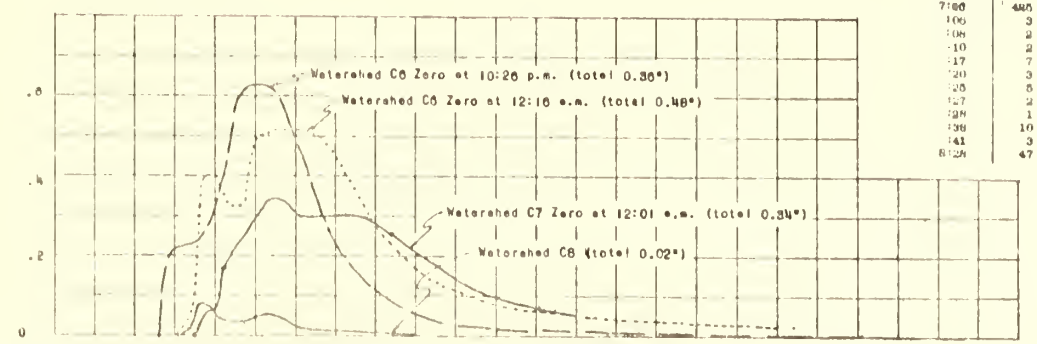


Watersheds C5, C6, and C7 in cotton plowed and hoed July 18/19. Terraced
Watershed C8 lespedeza and weeds, mowed July 9 and raked July 30/31. Unterraced

Soil loss C5 0.31 ton per acre
C6 .22 ton per acre
C7 .10 ton per acre
C8 .01 ton per acre

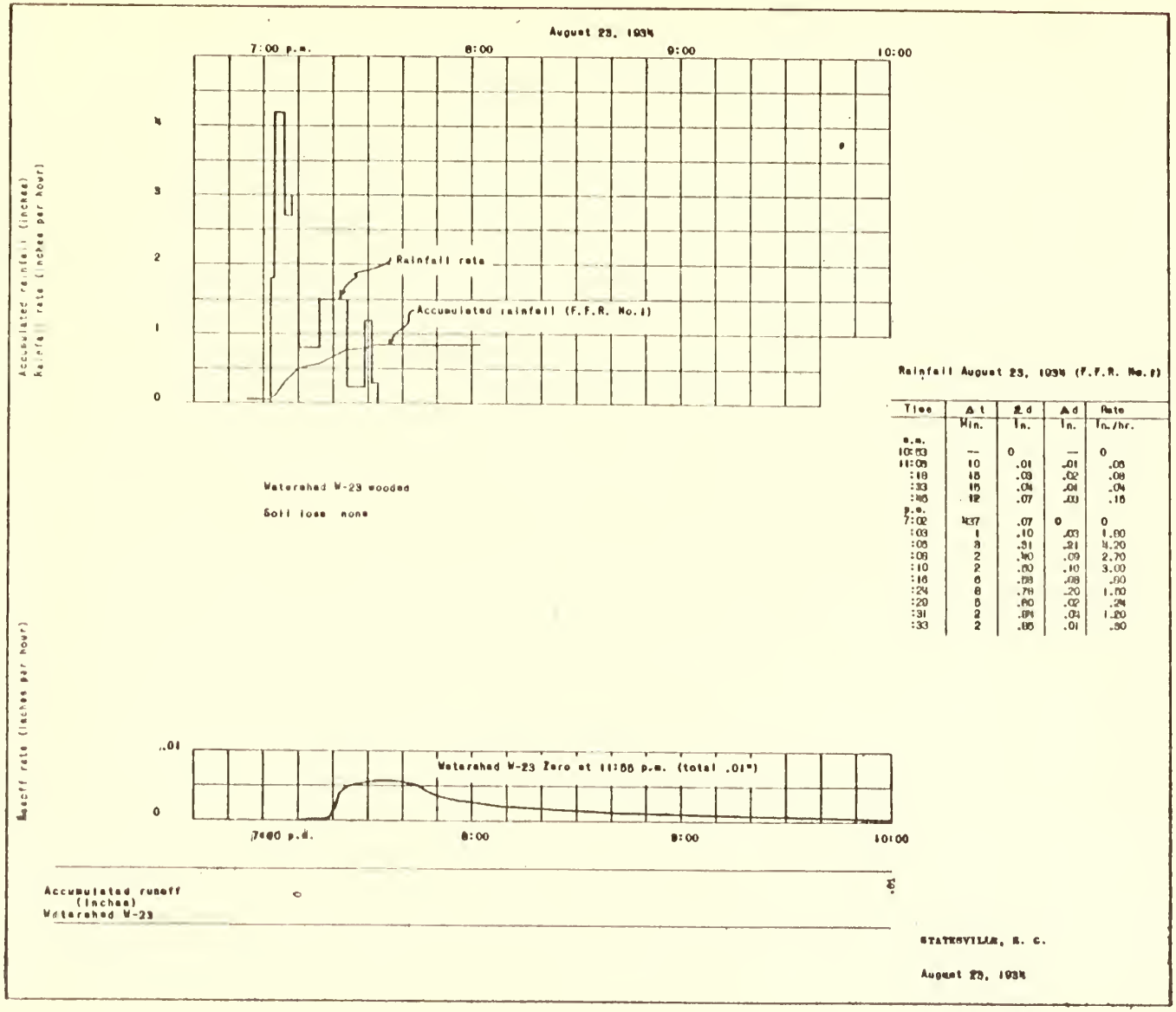
Rainfall August 23, 1934 (C.P.R. No 1)

Time	Δt	Σd	Δd	Rate
	Min.	In.	In.	In/hr.
a.m.				
10:54	—	0	--	0
11:14	20	.04	.04	.12
:24	10	.05	.01	.06
:34	10	.06	.01	.06
:41	5	.07	.01	.12
:46	5	.08	.01	.12
:56	10	.09	.01	.06
p.m.				
7:00	485	.09	0	0
:06	3	.12	.03	.60
:08	2	.20	.08	2.40
:10	2	.42	.22	6.60
:17	7	.56	.14	1.20
:20	3	.60	.04	.80
:25	5	.65	.05	.60
:27	2	.78	.13	3.30
:28	1	.78	.03	1.80
:38	10	.83	.05	.30
:41	3	.84	.01	.20
8:26	47	.85	.01	.01



STATESVILLE, N. C.
August 23, 1934

Sheet 1 of 3 sheets



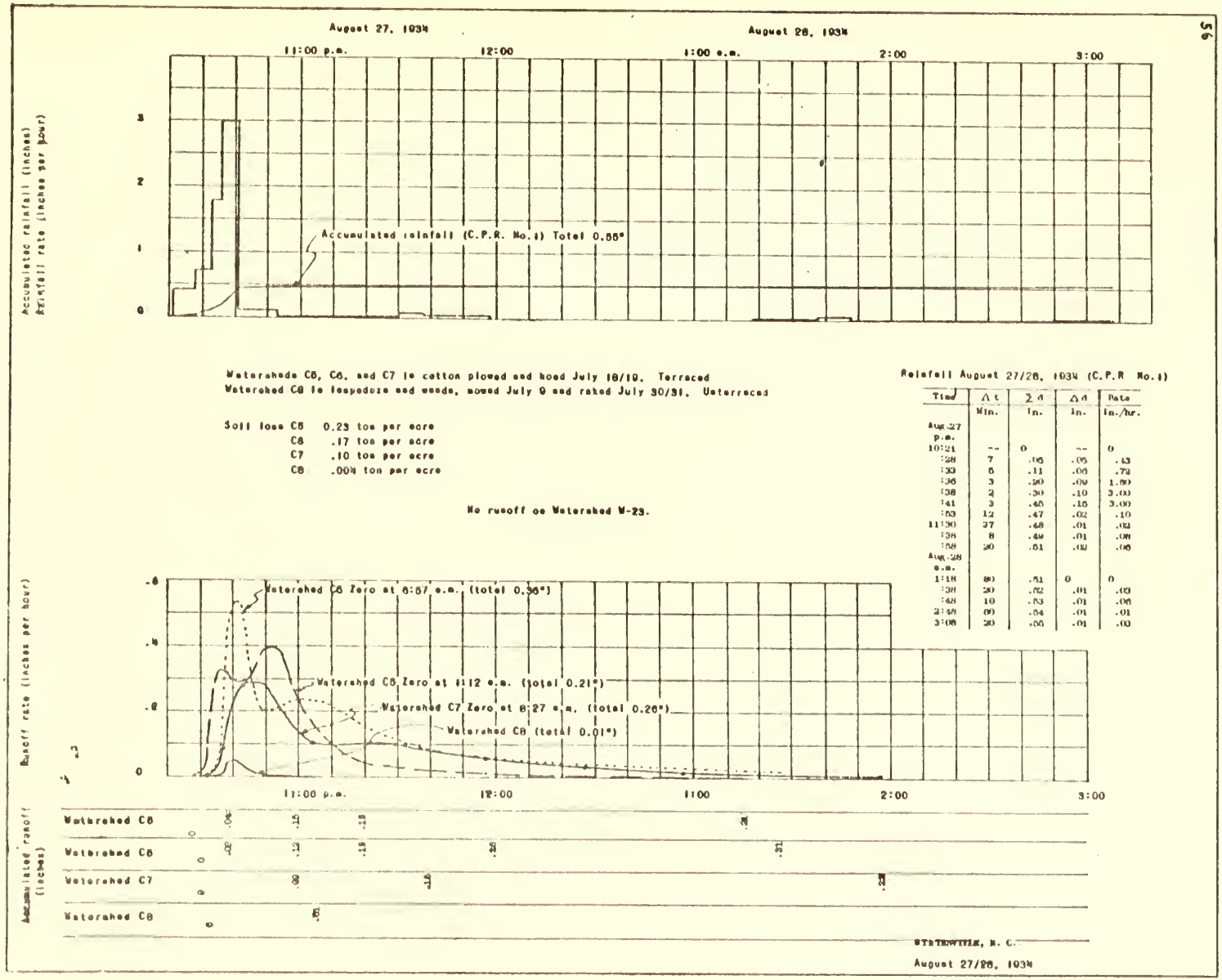
Rainfall August 23, 1934 (F.F.R. No. 1)

Time	Δt	Σd	Δd	Rate
	Min.	In.	In.	In./hr.
a.m.				
10:53	—	0	—	0
11:05	10	.01	.01	.06
:18	15	.03	.02	.08
:33	15	.04	.01	.04
:45	12	.07	.03	.15
p.m.				
7:02	437	.07	0	0
:03	1	.10	.03	1.80
:05	3	.31	.21	4.20
:06	2	.40	.09	2.70
:10	2	.50	.10	3.00
:16	6	.58	.08	.80
:24	8	.78	.20	1.50
:29	5	.80	.02	.24
:31	2	.84	.04	1.20
:33	2	.85	.01	.30

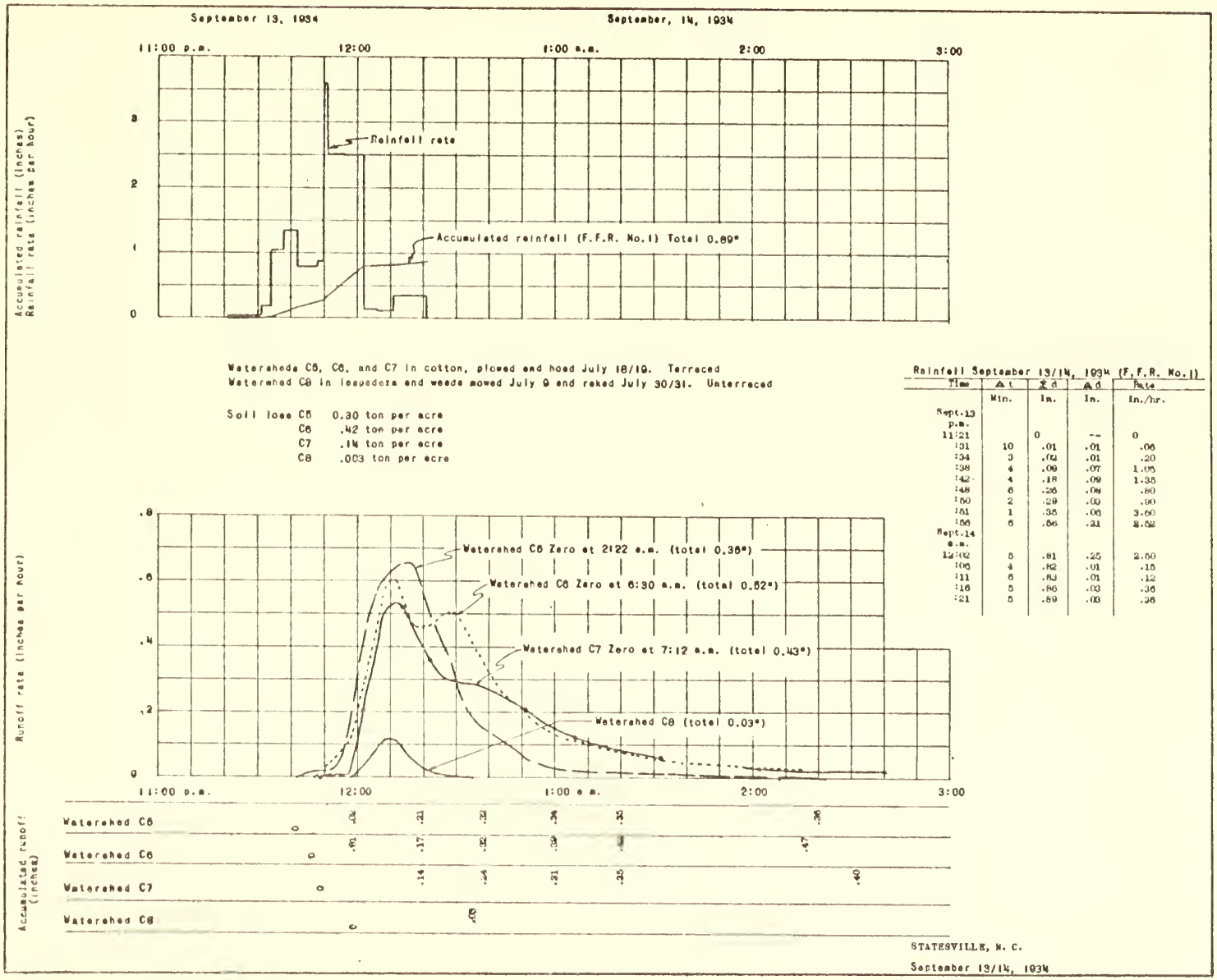
STATESVILLE, N. C.

August 23, 1934

Sheet 2 of 2 sheets



Sheet 1 of 2 sheets



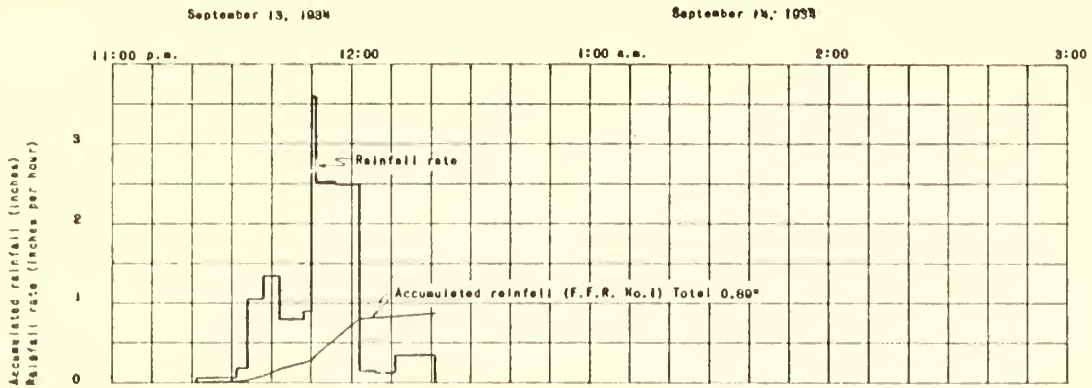
Rainfall September 13/14, 1934 (F.F.R. No.1)

Time	Δt	Σd	Δd	Rate
	Min.	In.	In.	In./hr.
Sept.13 p.m. 11:21		0	--	0
:31	10	.01	.01	.06
:34	3	.02	.01	.20
:38	4	.09	.07	1.05
:42	4	.18	.09	1.35
:48	6	.26	.08	.80
:50	2	.29	.03	.90
:51	1	.35	.06	3.60
:56	5	.56	.21	2.52
Sept.14 a.m. 12:02	5	.81	.25	2.50
:06	4	.82	.01	.15
:11	5	.83	.01	.12
:16	5	.86	.03	.36
:21	5	.89	.03	.36

STATESVILLE, N. C.

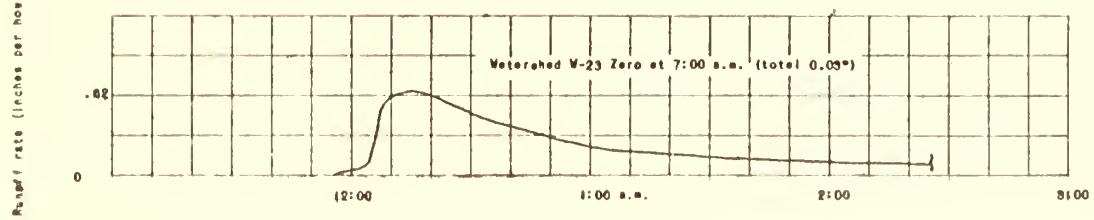
September 13/14, 1934

Sheet 1 of 2 sheets



Watershed W-23 wooded

No record of soil loss

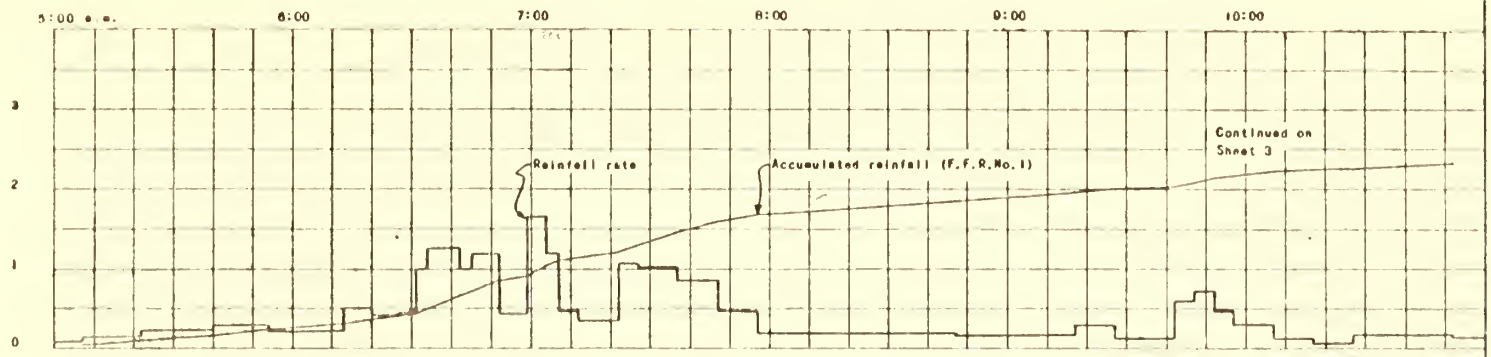


STATESVILLE, N. C.

September 12/14, 1934

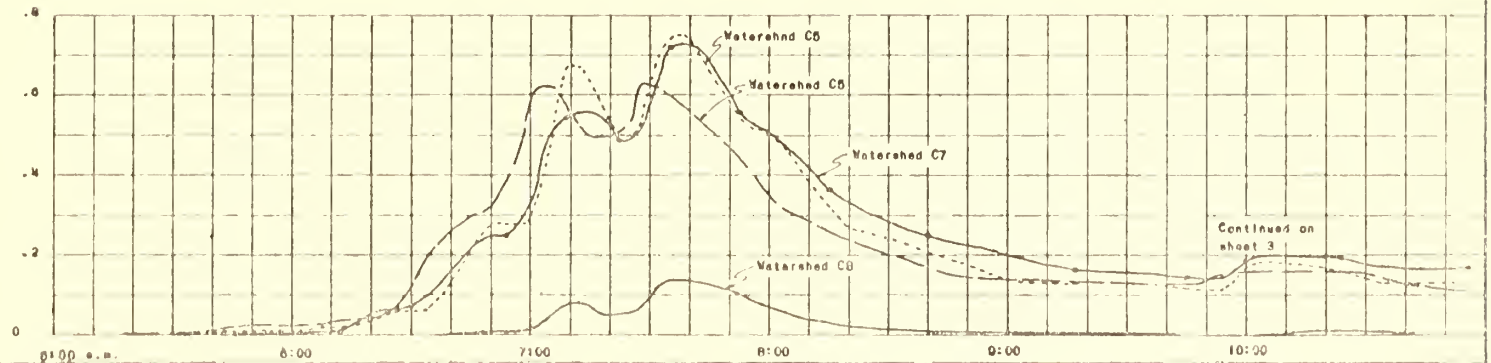
Sheet 2 of 2 sheets

October 10, 1934



Watersheds C5, C6, and C7 in Cotton. Terraced.
Watershed C8 in lespedeza and weeds, mowed Oct. 8/4. Unterraced

Soil loss C5 0.51 ton per acre
C6 .45 ton per acre
C7 .41 ton per acre
C8 .006 ton per acre

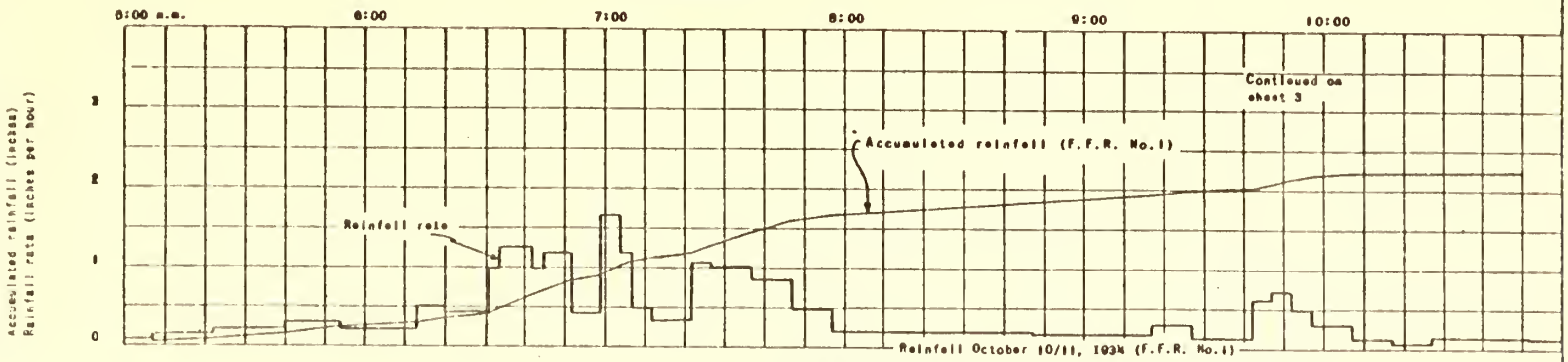


STATESVILLE, N. C.

October 10, 1934

Sheet 1 of 3 sheets

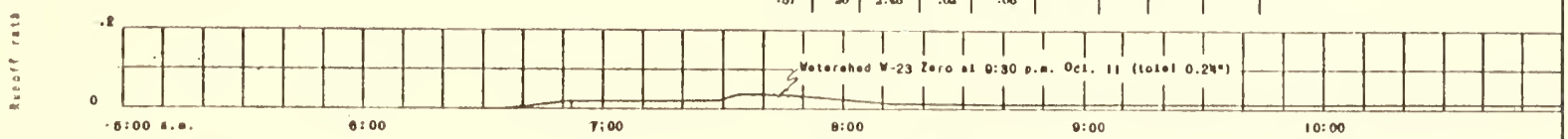
October 10, 1934



Watershed W-23 wooded

Soil loss 0.004 ton per acre.

Time	Δt Min.	Σd In.	Δd In.	Rate In./hr.	Time	Δt Min.	Σd In.	Δd In.	Rate In./hr.
Oct.10 a.m.					p.m.				
4:22	—	0	—	0	12:07	10	2.46	.01	.06
:47	25	.03	.03	.07	:32	25	2.55	.09	.22
5:07	20	.06	.03	.09	:54	22	2.61	.06	.16
:22	15	.10	.04	.16	1:02	8	2.65	.04	.30
:40	18	.17	.07	.23	:12	10	2.69	.04	.24
:54	14	.24	.07	.30	:22	10	2.72	.03	.18
6:13	19	.31	.07	.22	:27	5	2.77	.05	.60
:20	7	.37	.06	.51	:32	5	2.81	.04	.48
:27	7	.42	.05	.43	:37	5	2.84	.03	.36
:31	4	.46	.03	.45	:47	10	2.87	.03	.18
:34	3	.50	.05	1.00	:57	10	2.92	.05	.30
:42	8	.67	.17	1.26	2:12	16	2.95	.03	.12
:45	3	.72	.05	1.00	:27	15	2.97	.02	.08
:52	7	.86	.14	1.20	:47	20	2.99	.02	.05
:59	7	.91	.05	.43	3:02	15	3.00	.01	.04
7:04	5	1.05	.14	1.68	:12	10	3.01	.01	.06
:07	3	1.11	.06	1.20	:27	15	3.05	.04	.16
:12	5	1.15	.04	.48	:42	15	3.07	.02	.08
:22	10	1.21	.06	.36	:53	11	3.08	.01	.05
:27	5	1.30	.09	1.08	4:12	19	3.09	.01	.03
:37	10	1.47	.17	1.02	:37	25	3.10	.01	.02
:47	10	1.61	.14	.84	5:07	30	3.11	.01	.02
:57	10	1.69	.08	.48	5:27	80	3.11	0	0
8:27	30	1.79	.10	.20	:47	20	3.13	.02	.06
:47	20	1.86	.07	.21	7:42	55	3.13	0	0
:57	10	1.89	.03	.18	8:17	35	3.14	.01	.02
9:17	20	1.95	.06	.18	:57	40	3.15	.01	.01
:27	10	2.00	.05	.30	9:57	60	3.15	0	0
:37	10	2.02	.02	.12	10:12	15	3.16	.01	.04
:42	5	2.03	.01	.12	:22	10	3.17	.01	.06
:47	5	2.08	.05	.60	:57	35	3.18	.01	.02
:52	5	2.14	.06	.72	Oct.11				
:57	5	2.18	.04	.48	a.m.				
10:07	10	2.23	.05	.30	1:57	180	3.18	0	0
:17	10	2.25	.02	.12	2:12	15	3.20	.02	.05
:27	10	2.26	.01	.06	:32	20	3.23	.03	.09
:52	25	2.33	.07	.17	6:07	335	3.23	0	0
11:07	15	2.36	.03	.12	9:07	60	3.25	.02	.02
:27	30	2.43	.07	.14	10:07	60	3.26	.01	.01
:57	30	2.45	.02	.05					



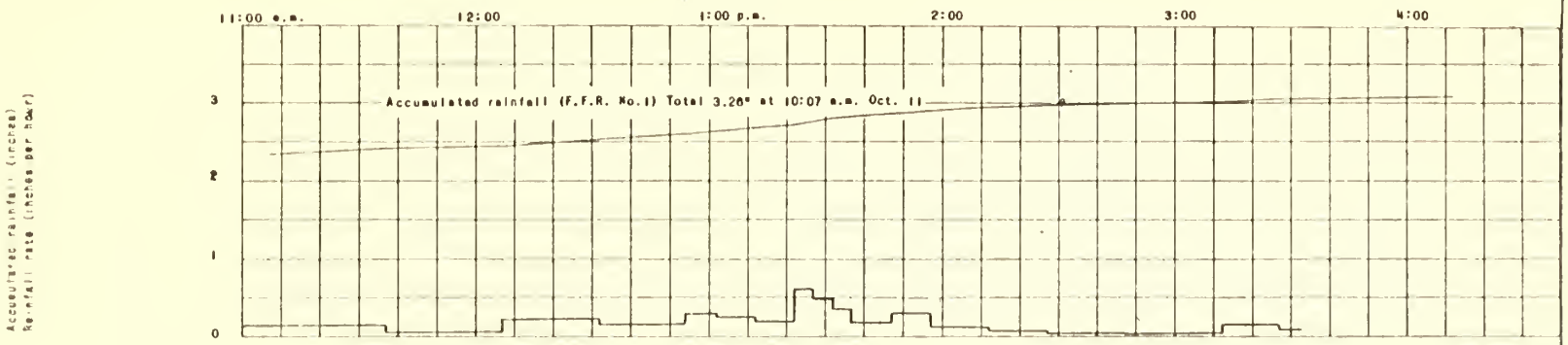
Accumulated runoff (inches)
Watershed W-23

STATESVILLE, N. C.

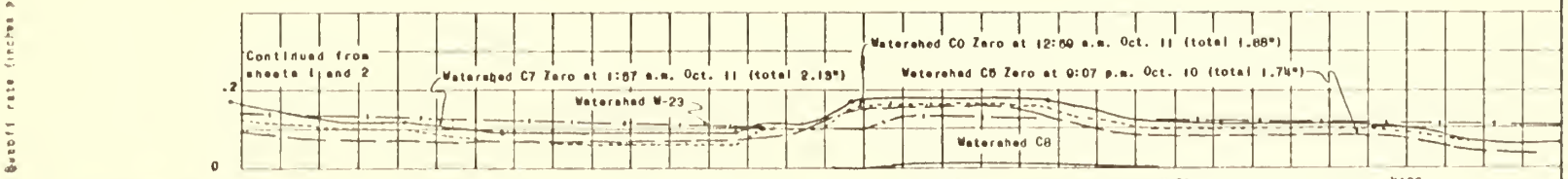
October 10, 1934

Sheet 2 of 8 sheets

October 10, 1934



See sheet 2 for rainfall tabulation.



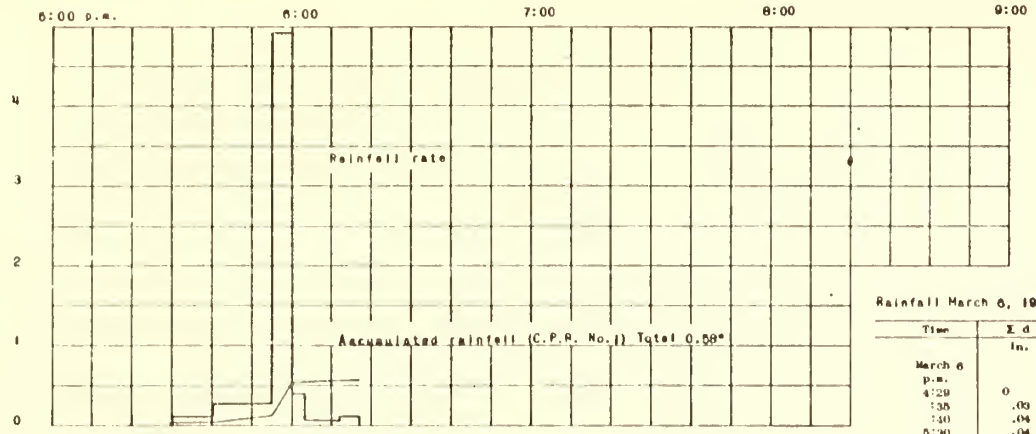
Accumulated runoff (inches)	11:00 a.m.	12:00	1:00 p.m.	2:00	3:00	4:00
Watershed C8	1.19	1.34	1.33 1.38	1.42	1.53	
Watershed C6	1.26	1.32	1.44 1.46		1.65	1.78
Watershed C7	1.30	1.43	1.56		1.83	1.85
Watershed C0			.11		.12	
Watershed W-23		.05	.10			

STATESVILLE, N. C.

October 10, 1934

Sheet 3 of 3 sheets

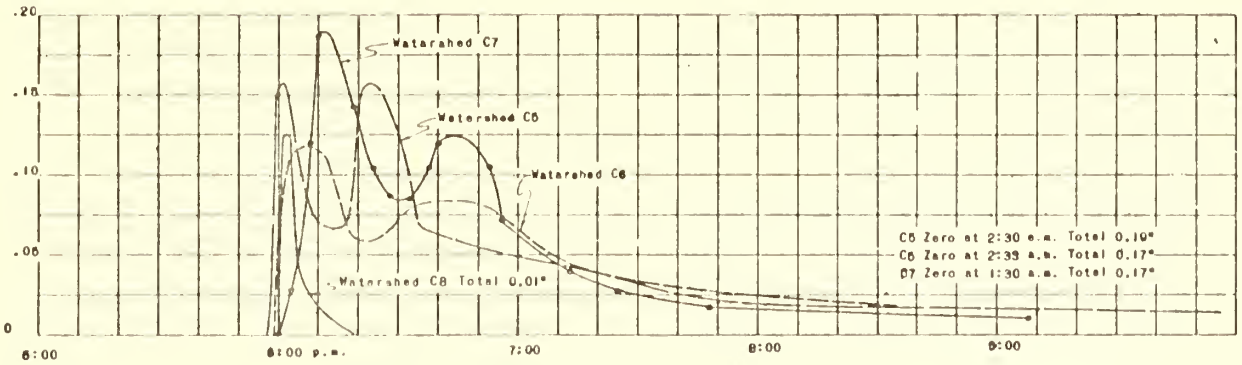
March 6, 1936



Watershade C5, C6, and C7 cotton land broken up Nov. 21-28, 1934. Terraced
Watershed C8 lespedeza land broken up Nov. 19-21, 1934. Untarraced

Rainfall March 6, 1935 (C.P.R. No.1)

Time	Σ d	Rate
	in.	in./hr.
March 6 p.m.		
4:29	0	0
:35	.03	.30
:40	.04	.12
5:00	.04	0
:40	.06	.12
:55	.13	.28
6:00	.54	4.92
:03	.66	.40
:12	.67	.07
:17	.68	.12

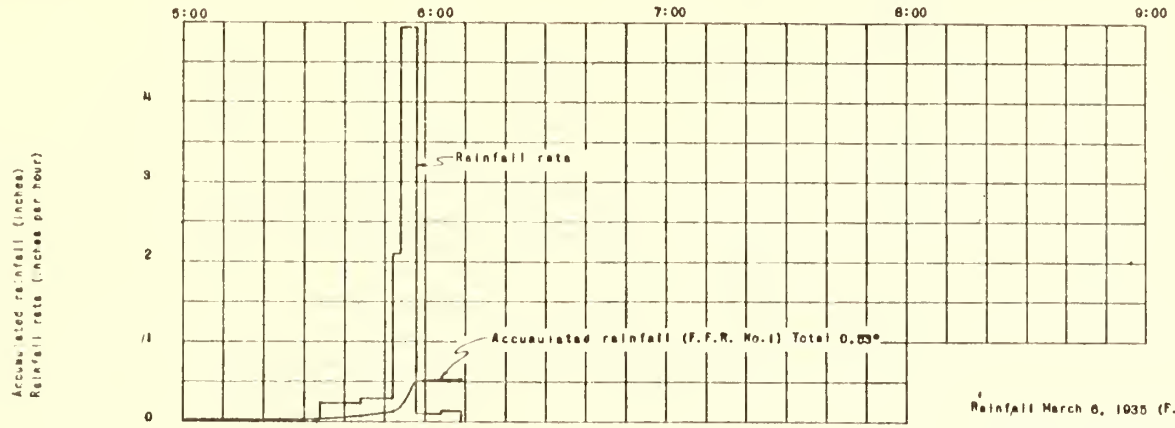


STATESVILLE, N. C.

March 6, 1936

Sheet 1 of 2 sheets

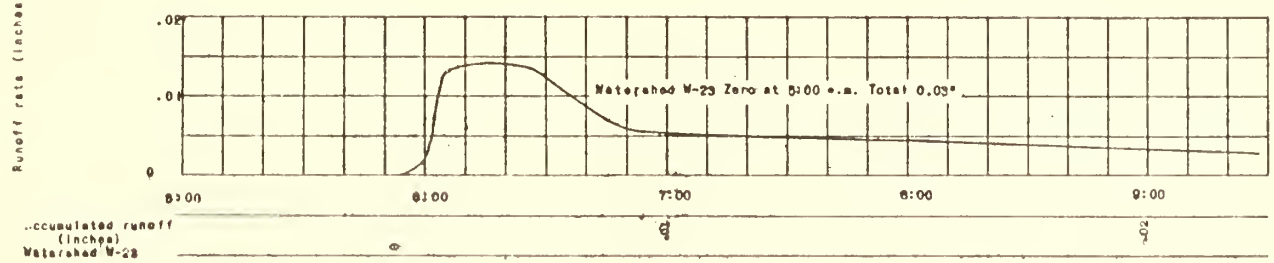
March 6, 1935



Watershed W-23 wooded

Rainfall March 6, 1935 (F.F.R. No. 1)

Time	Σ d	Rate
	In.	In./hr.
Mar.6		
p.m.		
4:27	0	
:34	.01	.08
5:34	.03	.02
:44	.07	.24
:52	.11	.30
:54	.18	2.10
:58	.51	4.95
6:04	.52	.10
:09	.53	.12

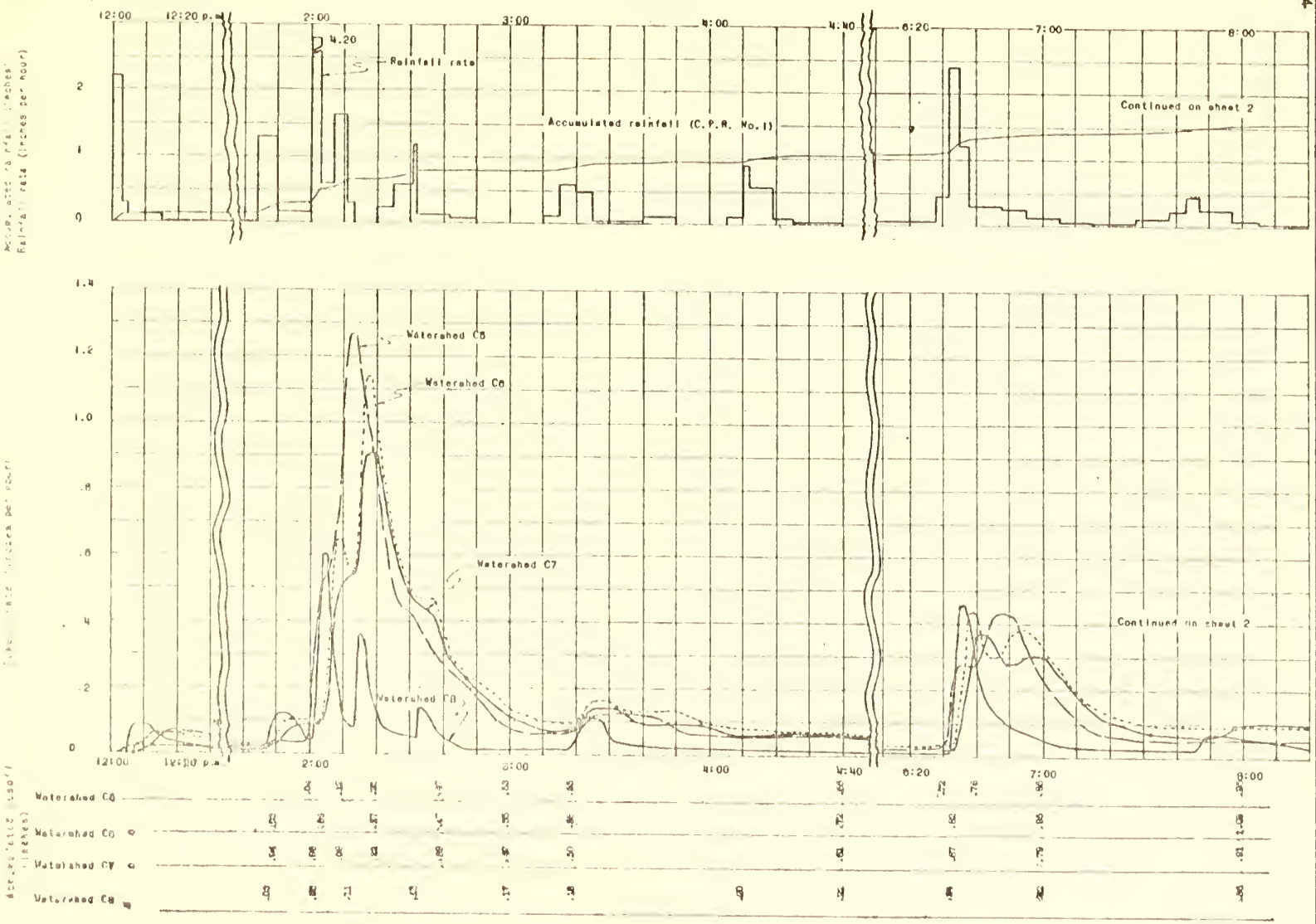


STATESVILLE, N. C.,

March 6, 1935

Sheet 2 of 2 sheets

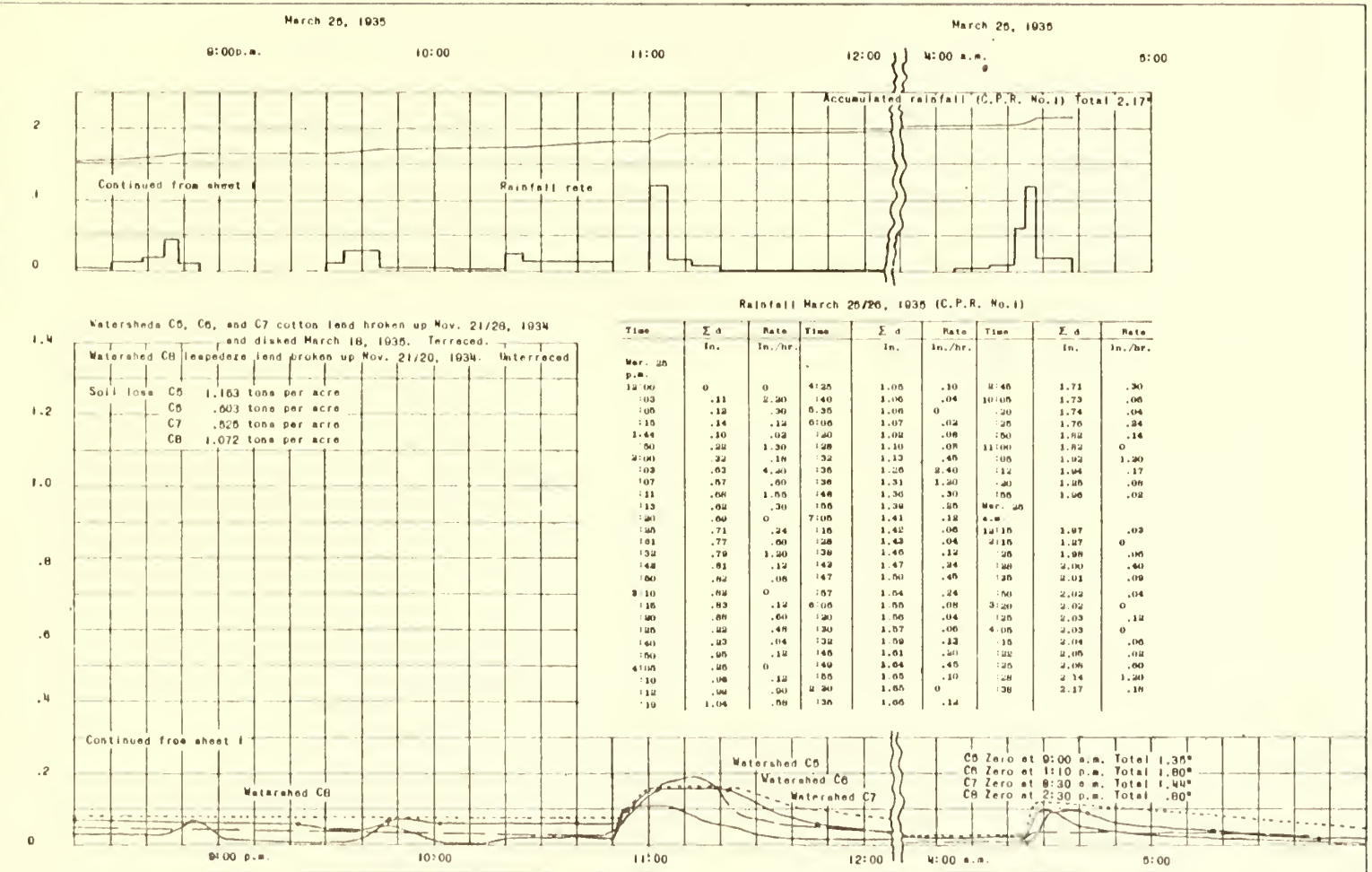
March 25, 1935



STATESVILLE, N. C.

March 25/26, 1935

Sheet 1 of 4 sheets



Rainfall March 25/26, 1935 (C.P.R. No.1)

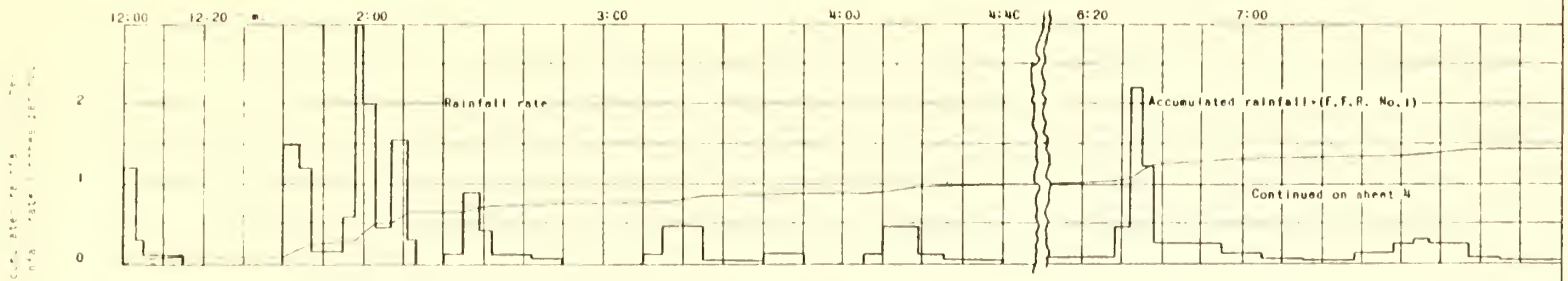
Time	Σ d In.	Rate In./hr.	Time	Σ d In.	Rate In./hr.	Time	Σ d In.	Rate In./hr.
Mar. 25 p.m.								
12:00	0	0	4:25	1.05	.10	8:45	1.71	.30
:03	.11	2.20	:40	1.06	.04	10:05	1.73	.06
:05	.12	.30	5:35	1.06	0	:20	1.74	.04
:15	.14	.12	6:05	1.07	.02	:25	1.76	.24
1:44	.10	.02	:20	1.02	.08	:50	1.82	.14
:50	.22	1.30	:28	1.10	.05	11:00	1.82	0
2:00	.32	.18	:32	1.13	.45	:05	1.92	1.20
:03	.63	4.20	:35	1.26	2.40	:12	1.94	.17
:07	.57	.60	:36	1.31	1.20	:20	1.95	.06
:11	.68	1.55	:48	1.36	.30	:55	1.96	.02
:13	.62	.30	:55	1.38	.25	Mar. 26 a.m.		
:20	.60	0	7:05	1.41	.12			
:25	.71	.24	:15	1.42	.06	12:15	1.97	.03
:31	.77	.60	:28	1.43	.04	2:15	1.97	0
:32	.79	1.20	:38	1.46	.12	:25	1.98	.06
:42	.81	.12	:42	1.47	.24	:28	2.00	.40
:50	.82	.06	:47	1.50	.45	:35	2.01	.09
3:10	.82	0	:57	1.54	.24	:50	2.02	.04
:15	.83	.12	8:05	1.55	.08	3:20	2.02	0
:30	.86	.60	:20	1.56	.04	:25	2.03	.12
:35	.22	.48	:30	1.57	.06	4:05	2.03	0
:40	.23	.04	:32	1.59	.12	:15	2.04	.06
:50	.25	.12	:45	1.61	.20	:22	2.05	.02
4:05	.26	0	:49	1.64	.45	:25	2.06	.60
:10	.28	.12	:55	1.65	.10	:28	2.14	1.20
:12	.28	.00	9:30	1.65	0	:38	2.17	.18
:19	1.04	.58	:35	1.66	.14			

STATESVILLE, N. C.

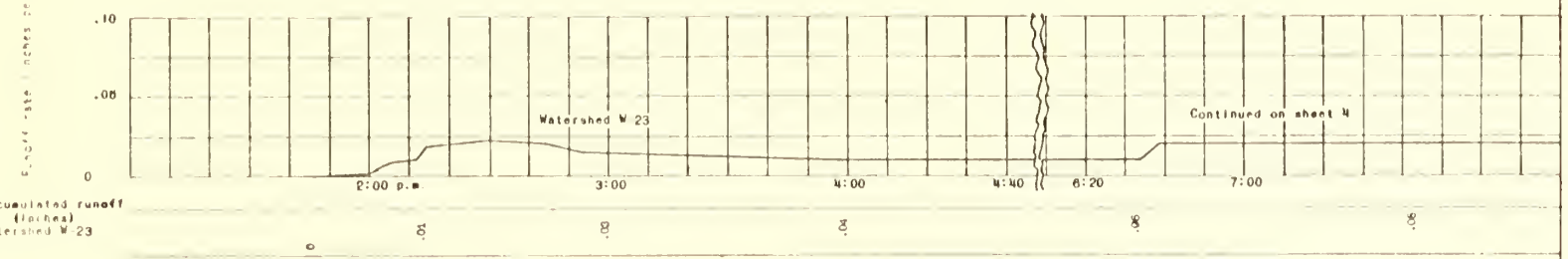
March 25/26, 1935

Sheet 2 of 4 sheets

March 25, 1935



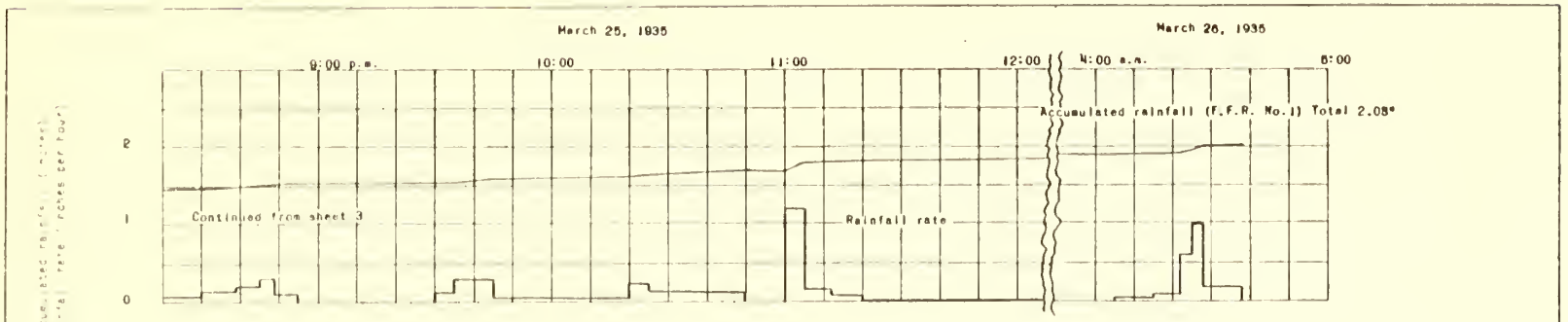
Watershed W 23 wooded



STATESVILLE, N. C.

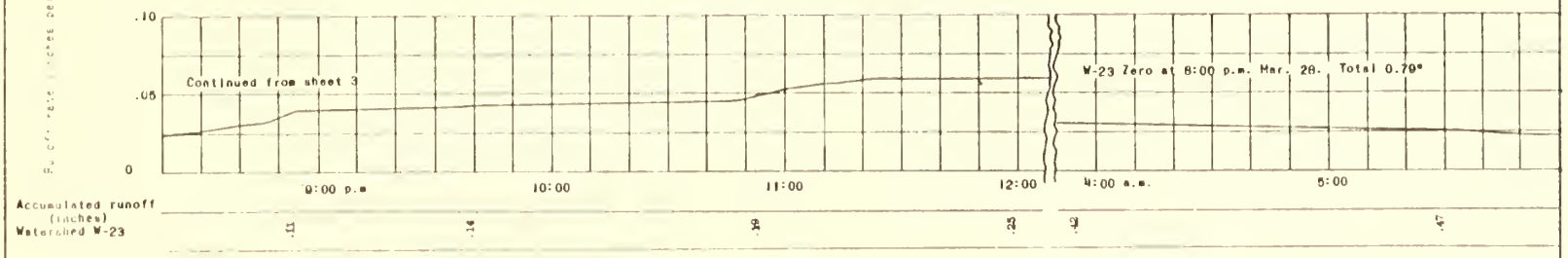
March 25, 1935

Sheet 3 of 4 sheets



Rainfall March 25/26, 1035 (F.F.R. No.1)

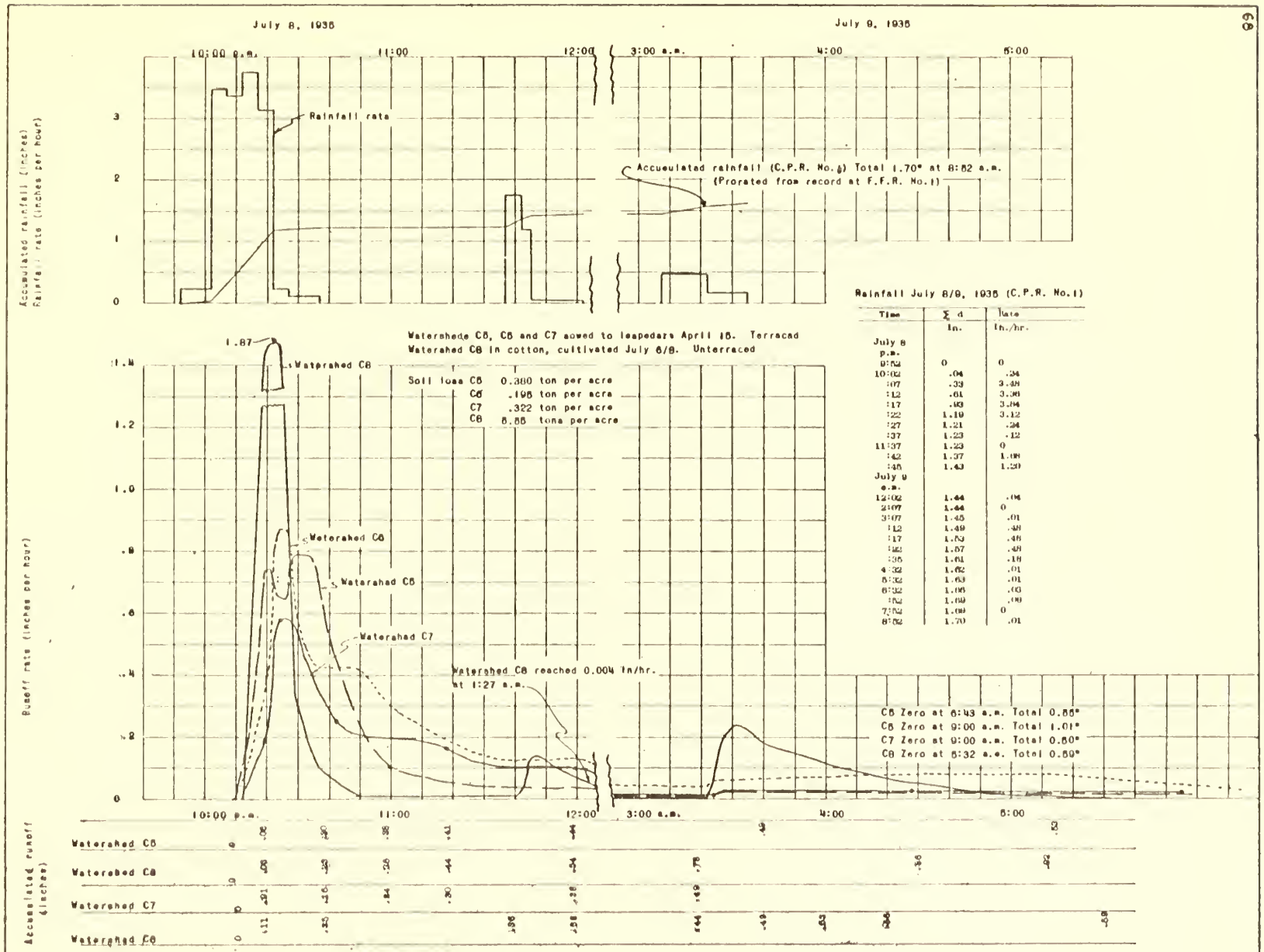
Time	Σ d In.	Rate In./hr.	Time	Σ d In.	Rate In./hr.	Time	Σ d In.	Rate In./hr.	Time	Σ d In.	Rate In./hr.
Mar. 25 p.m.			Mar. 25 p.m.			Mar. 25 p.m.			Mar. 26 a.m.		
12:00	0	0	3:40	.87	.04	8:30	1.46	.04	2:28	1.87	.20
:03	.06	1.20	:50	.89	.12	:30	1.47	.06	:35	1.88	.09
:05	.07	.30	4:05	.89	0	:39	1.49	.13	:50	1.88	.04
:15	.09	.12	:10	.90	.12	:45	1.51	.20	3:20	1.89	0
1:40	.09	0	:19	.97	.47	:49	1.53	.30	:25	1.90	.12
:44	.10	1.50	:25	.98	.10	:55	1.54	.10	4:05	1.90	0
:47	.25	1.20	:40	.99	.04	9:30	1.54	0	:15	1.91	.06
:55	.27	.15	5:35	.99	0	:35	1.55	.12	:22	1.92	.09
:58	.30	.60	6:05	1.00	.02	:45	1.60	.30	:25	1.95	.09
2:00	.40	3.00	:28	1.03	.09	10:05	1.62	.06	:28	2.00	1.00
:03	.50	2.00	:32	1.06	.45	:20	1.63	.04	:38	2.03	.18
:07	.53	.45	:35	1.17	2.20	:25	1.65	.24			
:11	.64	1.65	:38	1.23	1.20	:50	1.70	.12			
:13	.65	.30	:48	1.27	.24	11:00	1.70	0			
:20	.65	0	:55	1.30	.25	:05	1.80	1.20			
:25	.66	.12	7:05	1.32	.12	:12	1.82	.17			
:29	.72	.10	:15	1.33	.06	:30	1.83	.06			
:32	.74	.40	:28	1.34	.04	:55	1.84	.02			
:42	.76	.12	:38	1.36	.12	Mar. 26 a.m.					
:50	.77	.06	:43	1.38	.24						
3:10	.77	0	:47	1.40	.30	12:15	1.85	.03			
:15	.78	.12	:57	1.44	.24	2:15	1.85	0			
:25	.66	.48	8:05	1.45	.06	:25	1.86	.06			



STATESVILLE, N. C.

March 25/26, 1935

Sheet 4 of 4 sheets



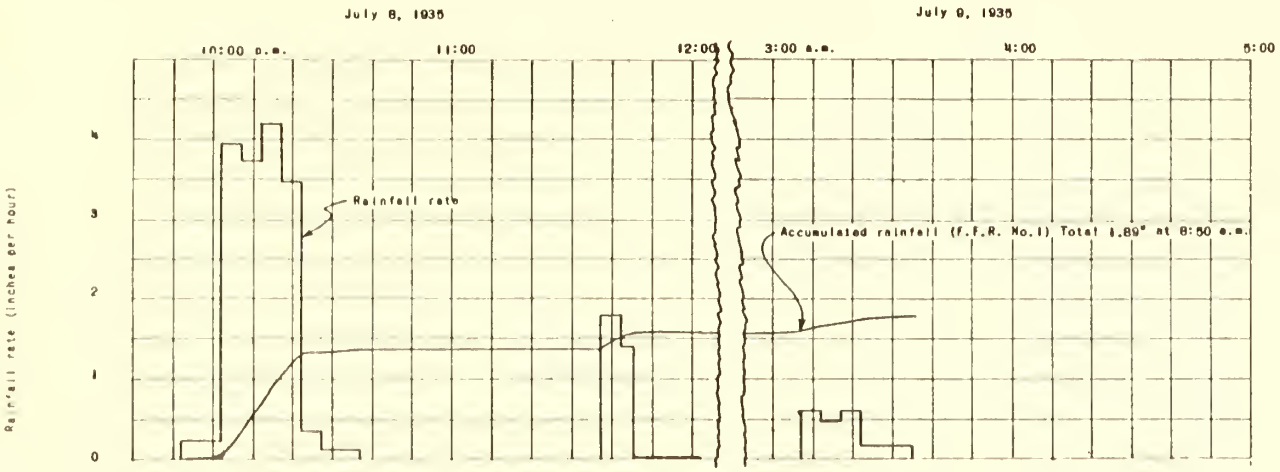
Rainfall July 8/9, 1935 (C.P.R. No.1)

Time	Σ d	Rate
	in.	in./hr.
July 8		
p.m.		
9:52	0	0
10:02	.04	.24
:07	.33	3.48
:12	.61	3.36
:17	.93	3.84
:22	1.19	3.12
:27	1.21	.24
:37	1.23	.12
11:37	1.23	0
:42	1.37	1.08
:45	1.43	1.20
July 9		
a.m.		
12:02	1.44	.04
2:07	1.44	0
3:07	1.45	.01
:12	1.49	.48
:17	1.53	.48
:22	1.57	.48
:35	1.61	.16
4:32	1.62	.01
5:32	1.63	.01
6:32	1.66	.03
:52	1.69	.09
7:52	1.69	0
8:52	1.70	.01

STATESVILLE, N. C.

July 8/9, 1935

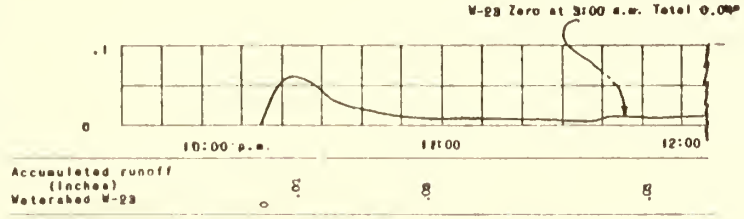
Sheet 1 of 2 sheets



Rainfall July 8/9, 1935 (F.F.R. No.1)

Time	Σ d	Rate
	in.	in./hr.
July 8		
p.m.		
8:[illegible]	0	0
10:08	.04	.24
:07	.37	3.96
:12	.68	3.72
:17	1.03	4.20
:22	1.32	3.48
:27	1.35	.36
:37	1.37	.12
11:37	1.37	0
:42	1.62	1.00
:45	1.59	1.40
July 9		
a.m.		
12:02	1.60	.04
2:07	1.60	0
3:07	1.61	.01
:12	1.66	.00
:17	1.70	.48
:22	1.75	.60
:36	1.79	.18
4:32	1.80	.01
5:32	1.83	.02
6:32	1.85	.03
:52	1.88	.09
7:08	1.88	0
8:08	1.89	.01

Watershed W-23 ponded

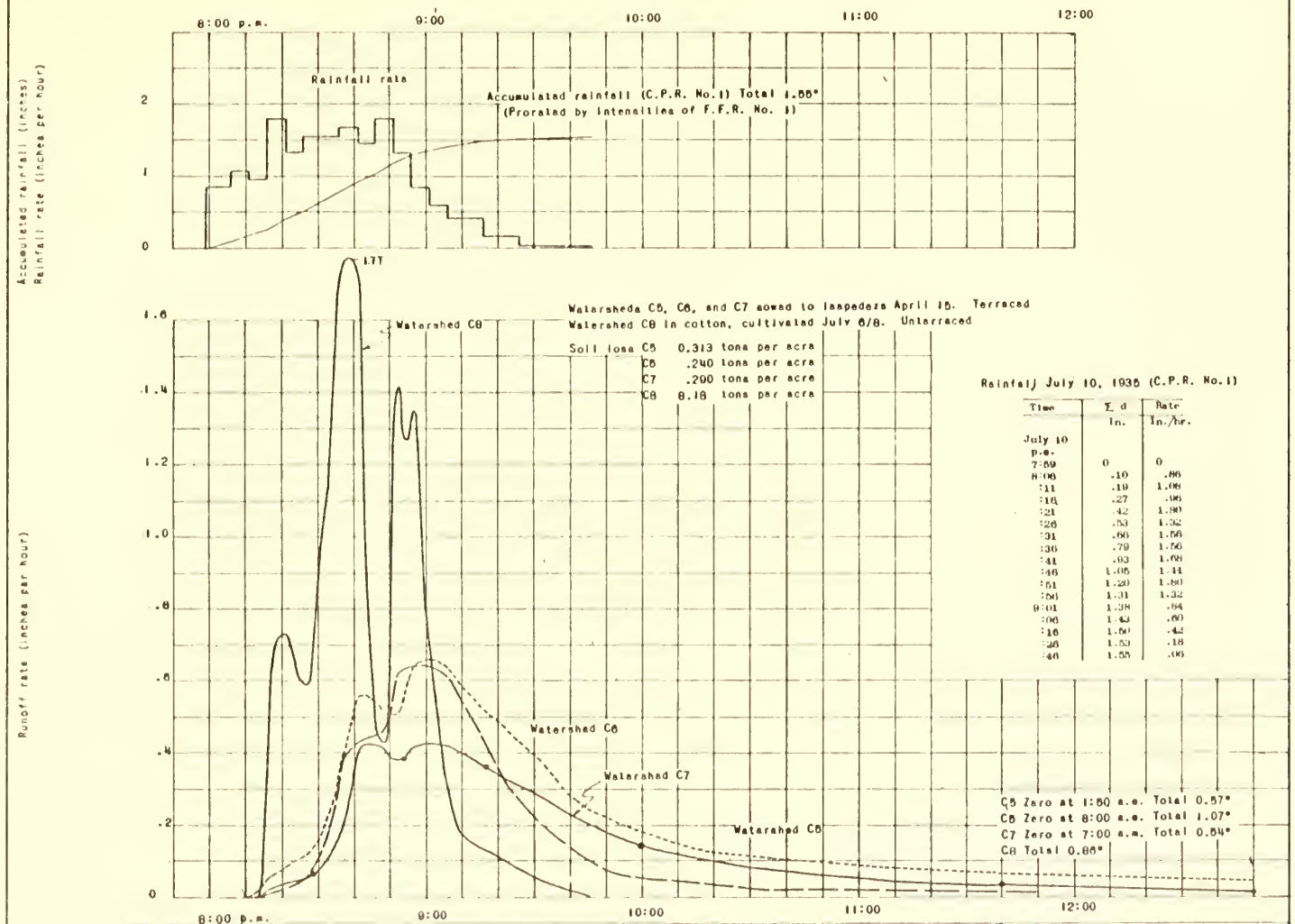


STATESVILLE, N. C.

July 8/9, 1935

Sheet 2 of 2 sheets

July 10, 1935



Rainfall July 10, 1935 (C.P.R. No. 1)

Time	Σ d In.	Rate In./hr.
July 10 p.m.		
7:59	0	0
8:00	.10	.86
:11	.19	1.08
:16	.27	.96
:21	.42	1.80
:26	.53	1.32
:31	.66	1.56
:36	.79	1.56
:41	.93	1.68
:46	1.05	1.44
:51	1.20	1.80
:56	1.31	1.32
9:01	1.38	.84
:06	1.43	.60
:16	1.50	.42
:26	1.53	.18
:46	1.55	.06

Accumulated runoff (inches)

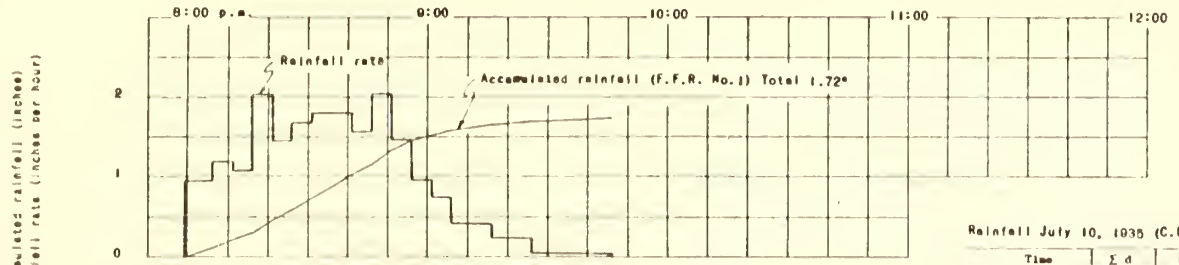
	8:00 p.m.		9:00		10:00		11:00		12:00
Watershed C5	0		.11	.22	.41	.49	.50	.54	.56
Watershed C6	0		.09	.27	.46	.61	.68	.78	.80
Watershed C7	0		.04	.18	.31	.41	.45	.54	.58
Watershed C8	0	.06	.39	.74	.83	.86			

STATESVILLE, N. C.

July 10, 1935

Sheet 1 of 2 sheets

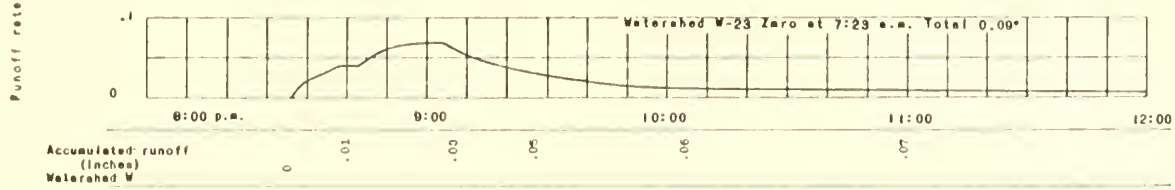
July 10, 1935



Watershed W-23 wooded

Rainfall July 10, 1935 (C.P.R. No.1)

Time	Σ d	Rate
	In.	In./hr.
July 10 p.m.		
7:50	0	0
8:06	.11	.04
:11	.21	1.20
:16	.30	1.08
:21	.47	2.04
:26	.59	1.44
:31	.73	1.68
:36	.88	1.80
:41	1.03	1.80
:46	1.16	1.56
:51	1.33	2.04
:56	1.45	1.44
9:01	1.53	.96
:06	1.59	.72
:16	1.66	.42
:36	1.70	.24
:46	1.72	.06

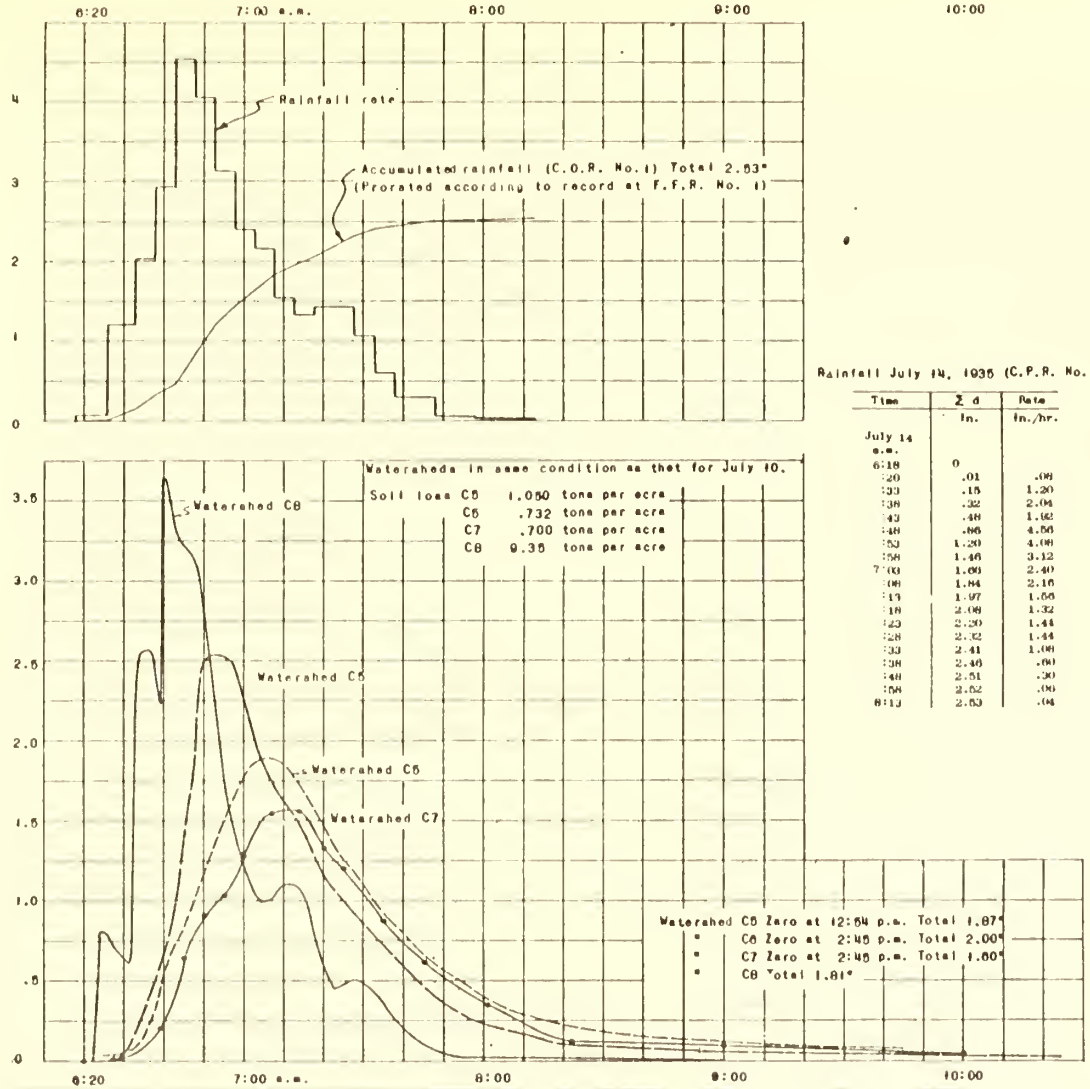


STATESVILLE, N.C.

July 10, 1935

Sheet 2 of 2 sheets

July 14, 1935



Rainfall July 14, 1935 (C.P.R. No. 1)

Time	Σ d	Rate
	In.	In./hr.
July 14 a.m.		
6:18	0	
:20	.01	.08
:33	.15	1.20
:38	.32	2.04
:43	.48	1.92
:48	.86	4.56
:53	1.20	4.08
:58	1.46	3.12
7:03	1.66	2.40
:08	1.84	2.16
:13	1.97	1.56
:18	2.08	1.32
:23	2.20	1.44
:28	2.32	1.44
:33	2.41	1.08
:38	2.46	.60
:48	2.51	.30
:58	2.52	.06
8:13	2.53	.04

Accumulated runoff (inches)

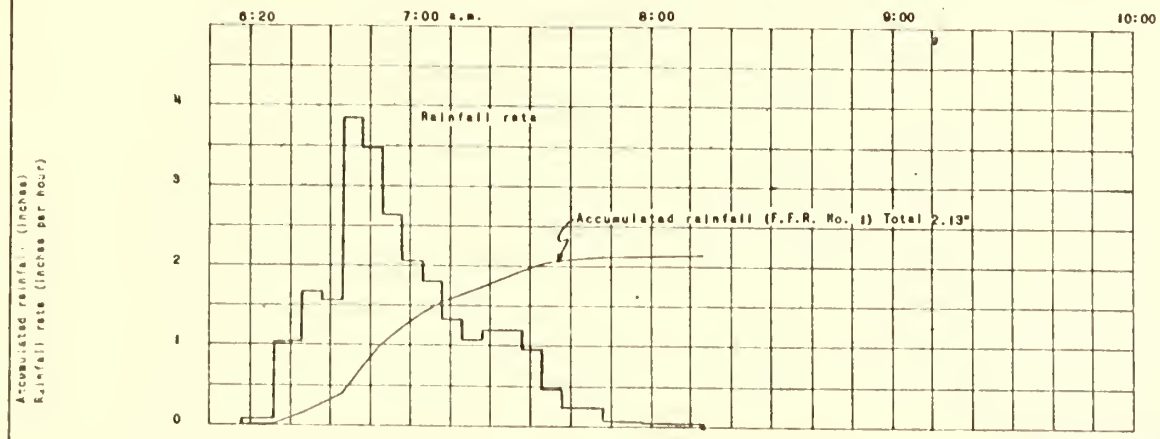
Watershed C5	0	.21	.45	1.18	1.46	1.66	1.72			1.60			
Watershed C6	0	.04	.43	1.02	1.39	1.57	1.67	1.74			1.82		
Watershed C7	0	.08	.20	.79	1.13	1.31	1.39	1.43	1.45				1.54
Watershed C8	0 .11	.45	1.20	1.45	1.64	1.76	1.80	1.81					

STATESVILLE, N. C.

July 14, 1935

Sheet 1 of 2 sheets

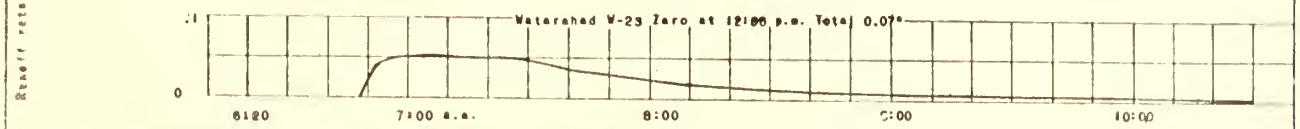
July 14, 1935



Rainfall July 14, 1935 (F.F.R. No. 1)

Time	$\sum d$	Rate
	In.	In./hr.
July 14		
a.m.		
6:18	0	
:28	.01	.08
:33	.13	1.03
:38	.27	1.08
:43	.40	1.56
:48	.72	3.84
:53	1.01	3.48
:58	1.23	2.64
7:08	1.40	2.04
:08	1.55	1.80
:13	1.66	1.32
:18	1.75	1.08
:23	1.85	1.20
:28	1.95	1.20
:33	2.00	.06
:38	2.07	.48
:48	2.11	.24
:58	2.12	.06
8:13	2.13	.04

Watershed W-23 wooded



Accumulated runoff (inches) Watershed W-28 — 0 — .02 — .05 — .07

STATESVILLE, N. C.

July 14, 1935

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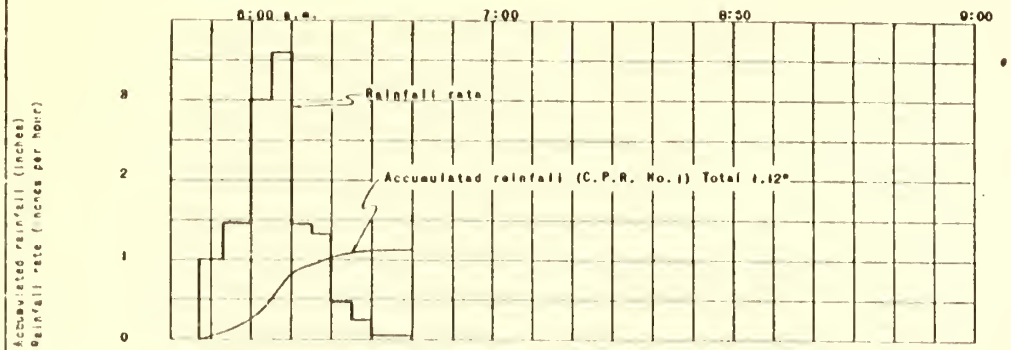
July 18, 1935

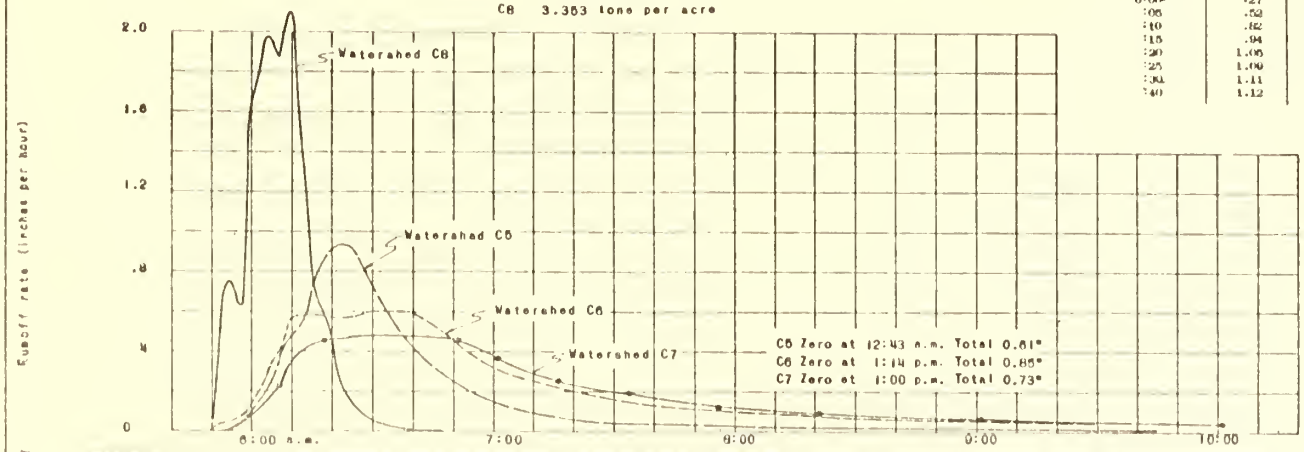


Watarahedd C5, C6, and C7 sowed to leapadeze April 15. Terraced
Watarahad C8 in cotton, cultivated July 5/8. Untarraced

Soil loss C5 0.299 tons per acre
C6 .150 tons per acre
C7 .252 tons per acre
C8 3.353 tons per acre

Rainfall July 18, 1935 (C.P.R. No. 1)

Time	Σ d	Rate
	In.	In./hr.
July 18 a.m.		
5:47	0	0
:53	.10	1.00
6:00*	.27	1.46
:05	.52	3.00
:10	.82	3.60
:15	.94	1.44
:20	1.05	1.32
:25	1.09	.48
:30	1.11	.24
:40	1.12	.06

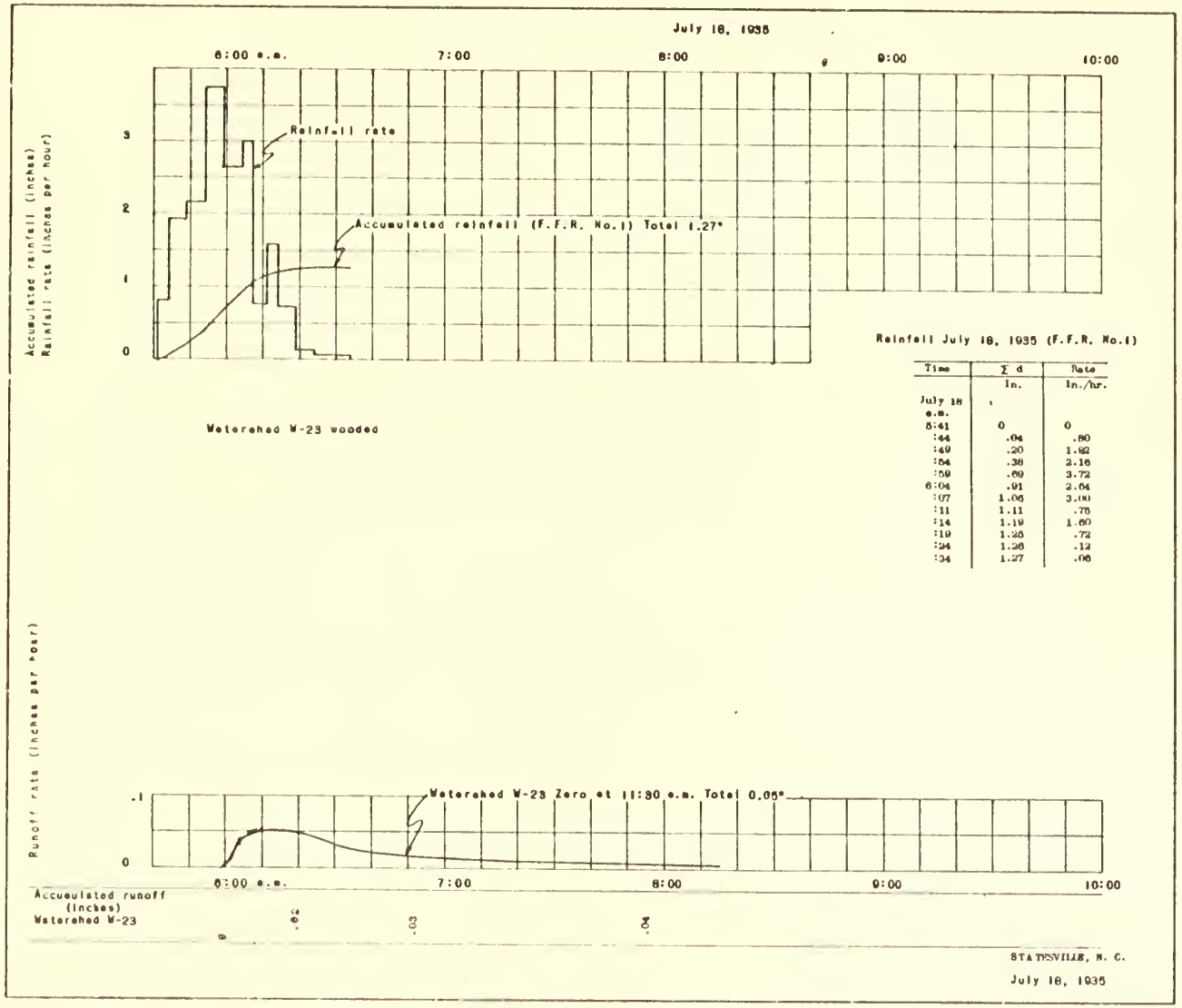


Accumulated runoff (inches)

Watarahad C5	0	.01	.17	.41	.50	.55	.59						
Watarahad C6	0	.01	.07	.36	.51	.66	.75	.79					
Watarahad C7	0	.01	.10	.42	.64	.68	.71						
Watarahad C8	0	.11	.43	.60	.62								

STATESVILLE N. C.
July 18, 1935

Sheet 1 of 2 sheets

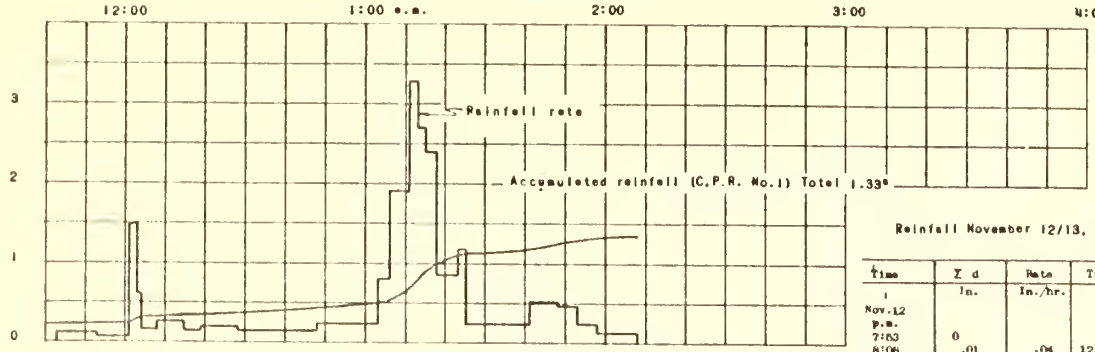


Rainfall July 18, 1935 (F.F.R. No.1)

Time	Σ d	Rate
	In.	In./hr.
July 18		
a.m.		
5:41	0	0
:44	.04	.80
:49	.20	1.92
:54	.38	2.16
:59	.69	3.72
6:04	.91	2.64
:07	1.06	3.00
:11	1.11	.75
:14	1.19	1.60
:19	1.25	.72
:24	1.26	.12
:34	1.27	.06

Sheet 2 of 2 sheets

November 13, 1935

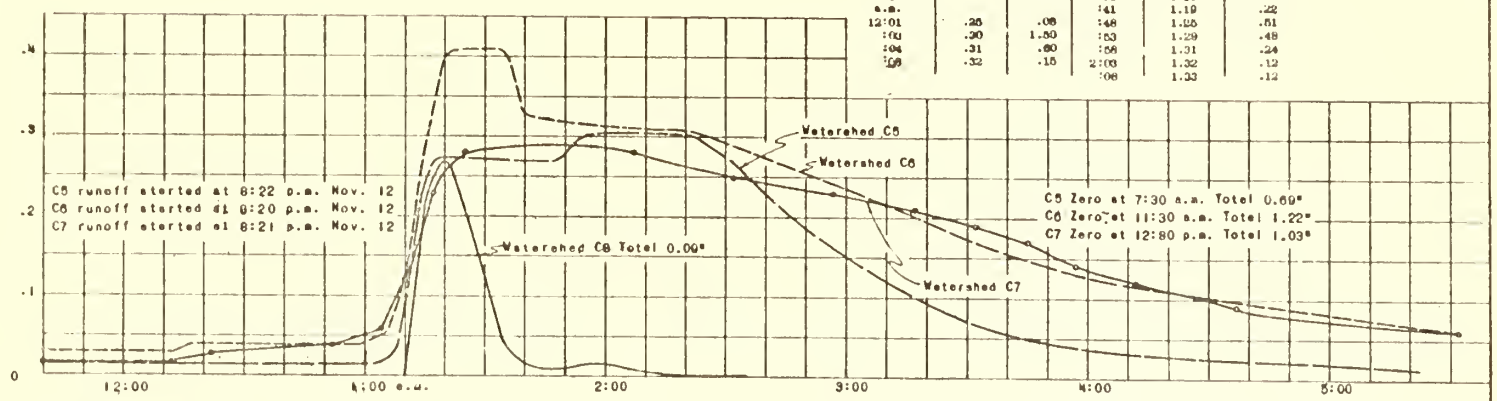


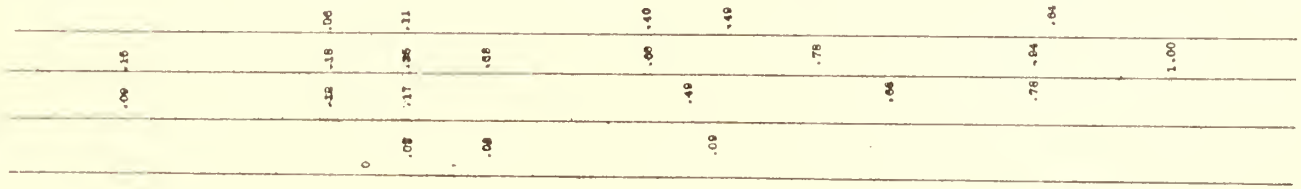
Watersheds C5, C6, and C7 in lespedeza. Terraced.
Watershed C8 sown to rye and vetch October 12. Unterraced.

Soil loss C5 0.084 ton per acre
C6 .000 ton per acre
C7 .064 ton per acre
C8 .134 ton per acre

Rainfall November 12/13, 1935 (C.P.R. No.1)

Time	Σ d	Rate	Time	Σ d	Rate
	In.	In./hr.		In.	In./hr
Nov.12 p.m. 7:53	0				
8:08	.01	.04	12:15	.35	.26
:13	.03	.24	:19	.36	.16
:21	.07	.30	:28	.39	.20
:22	.08	.60	:48	.44	.15
:23	.14	3.60	:58	.48	.24
:26	.18	.80	1:03	.50	.24
:29	.20	.40	:06	.54	.80
:33	.21	.15	:11	.70	1.92
9:48	.21	0	:13	.81	3.30
10:03	.22	.04	:15	.90	2.70
11:43	.22	0	:18	1.02	2.40
:48	.23	.12	:23	1.09	.64
:53	.24	.12	:26	1.13	1.20
Nov.13 a.m.			:33	1.16	.23
			:41	1.19	.22
12:01	.25	.08	:48	1.25	.51
:03	.30	1.50	:53	1.29	.48
:04	.31	.80	:56	1.31	.24
:08	.32	.15	2:03	1.32	.12
			:08	1.33	.12





STATESVILLE, N. C.

November 13, 1935

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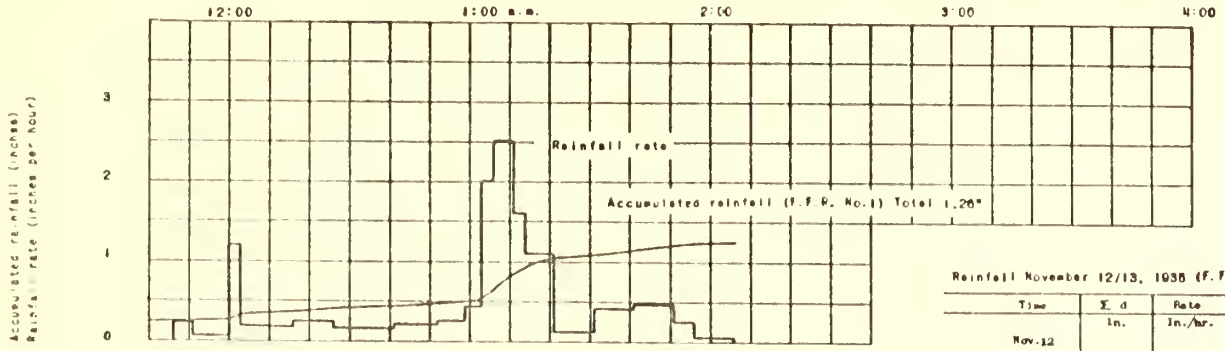
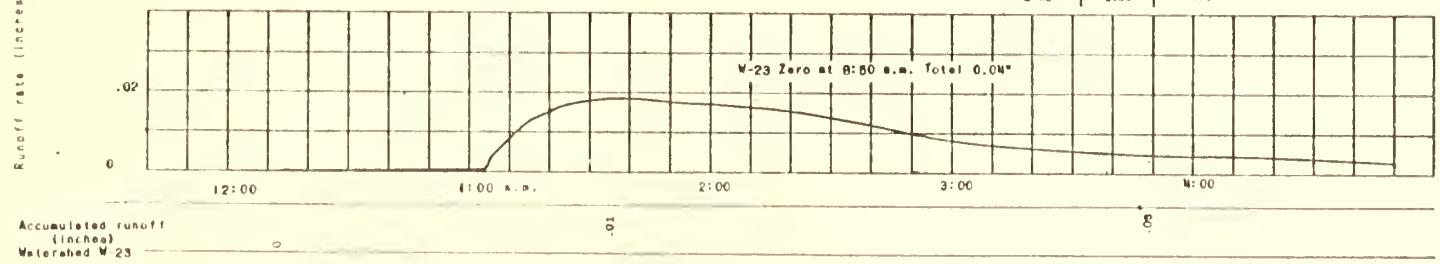
November 13, 1935



Rainfall November 12/13, 1935 (F.F.R. No.1)

Time	Σ d	Rate
	In.	In./hr.
Nov.12		
p.m.		
7:55	0	0
8:09	.02	.09
119	.09	.36
21	.15	2.10
26	.21	.72
36	.22	.06
9:06	.23	.06
11:46	.23	0
51	.25	.24
Nov.13		
a.m.		
12:00	.26	.07
03	.32	1.20
16	.36	.18
26	.40	.24
41	.44	.16
52	.48	.22
59	.51	.26
1:00	.54	.45
08	.64	2.00
11	.65	2.52
14	.69	1.60
21	1.06	1.11
31	1.08	.12
41	1.15	.42
51	1.23	.48
56	1.25	.24
2:06	1.26	.06

Watershed W-28 wooded



STATESVILLE, N. C.

November 13, 1935

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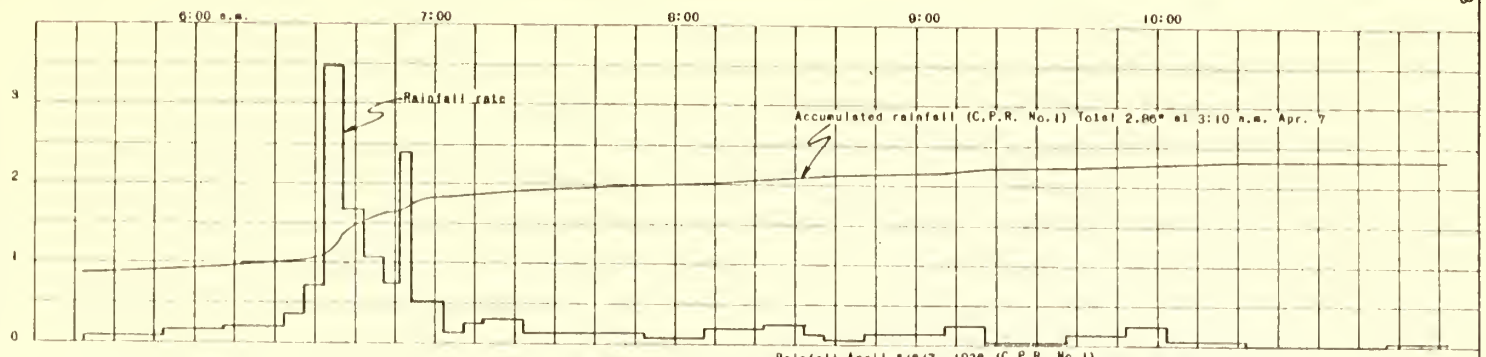
April 6, 1936

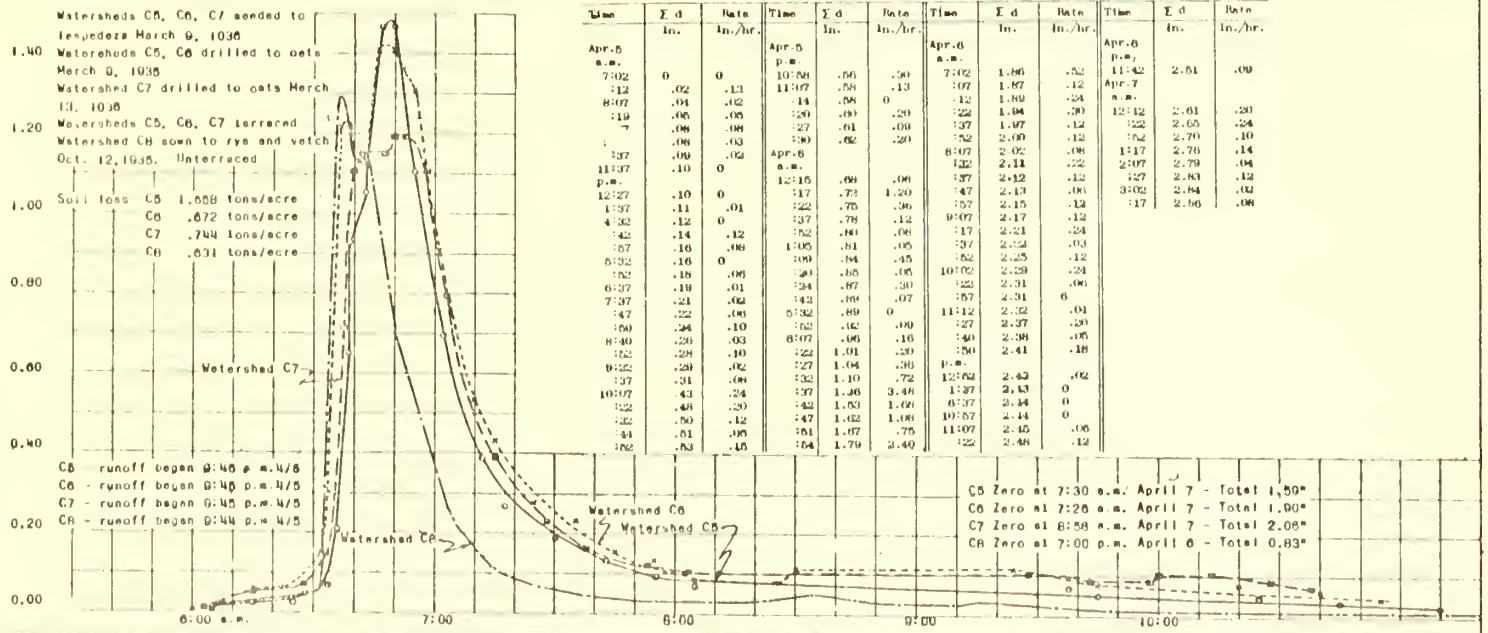


Rainfall April 5/6/7, 1936 (C.P.R. No.1)

Watersheds C5, C6, C7 seeded to lespedeza March 9, 1936
Watersheds C5, C6 drilled to oats March 9, 1935
Watershed C7 drilled to oats March 13, 1936
Watersheds C5, C6, C7 terraced
Watershed C8 sown to rye and vetch Oct. 12, 1935. Unterraced

Soil loss C5 1.658 tons/acre
C6 .672 tons/acre
C7 .744 tons/acre
C8 .631 tons/acre

C5 - runoff began 9:46 p.m. 4/5
C6 - runoff began 9:46 p.m. 4/5
C7 - runoff began 9:45 p.m. 4/5
C8 - runoff began 9:44 p.m. 4/5



Time	Σ d In.	Rate In./hr.	Time	Σ d In.	Rate In./hr.	Time	Σ d In.	Rate In./hr.	Time	Σ d In.	Rate In./hr.
Apr.5 a.m.			Apr.5 p.m.			Apr.6 a.m.			Apr.6 p.m.		
7:02	0	0	10:59	.56	.30	7:02	1.86	.52	11:42	2.51	.09
:12	.02	.12	11:07	.58	.13	:07	1.87	.12	Apr.7 a.m.		
8:07	.04	.02	:14	.58	0	:12	1.89	.24	12:12	2.61	.20
:19	.06	.05	:20	.60	.20	:22	1.94	.30	:22	2.65	.24
:27	.08	.08	:27	.61	.09	:37	1.97	.12	:32	2.70	.10
	.08	.03	:30	.62	.20	:52	2.00	.12	1:17	2.76	.14
:37	.09	.02	Apr.6 a.m.			8:07	2.02	.08	:07	2.79	.04
11:37 p.m.	.10	0	12:16	.68	.08	:22	2.11	.22	:27	2.83	.12
12:27	.10	0	:17	.72	1.20	:37	2.13	.06	3:02	2.84	.02
1:37	.11	.01	:22	.75	.36	:57	2.15	.12	:17	2.86	.08
4:32	.12	0	:37	.78	.12	9:07	2.17	.12			
:42	.14	.12	:52	.80	.08	:17	2.21	.24			
:57	.16	.08	1:05	.81	.05	:37	2.22	.03			
5:32	.16	0	:09	.84	.45	:52	2.25	.12			
:52	.18	.06	:20	.85	.06	10:02	2.29	.24			
6:37	.19	.01	:24	.87	.30	:22	2.31	.06			
7:37	.21	.02	:43	.89	.07	:57	2.31	0			
:47	.22	.06	5:32	.89	0	11:12	2.32	.01			
:50	.24	.10	:52	.92	.06	:27	2.37	.20			
8:40	.26	.03	6:07	.96	.16	:40	2.38	.05			
:52	.28	.10	:22	1.01	.20	:50	2.41	.18			
9:22	.29	.02	:27	1.04	.36	p.m.					
:37	.31	.06	:32	1.10	.72	12:02	2.43	.02			
10:07	.43	.24	:37	1.36	3.48	1:37	2.43	0			
:22	.48	.20	:42	1.53	1.68	6:37	2.44	0			
:32	.50	.12	:47	1.62	1.08	10:57	2.44	0			
:44	.51	.06	:51	1.67	.75	11:07	2.45	.06			
:52	.53	.15	:54	1.79	2.40	:22	2.46	.12			

C5 Zero at 7:30 a.m. April 7 - Total 1.50"
C6 Zero at 7:26 a.m. April 7 - Total 1.90"
C7 Zero at 8:58 a.m. April 7 - Total 2.06"
C8 Zero at 7:00 p.m. April 6 - Total 0.83"

Accumulated runoff (inches)

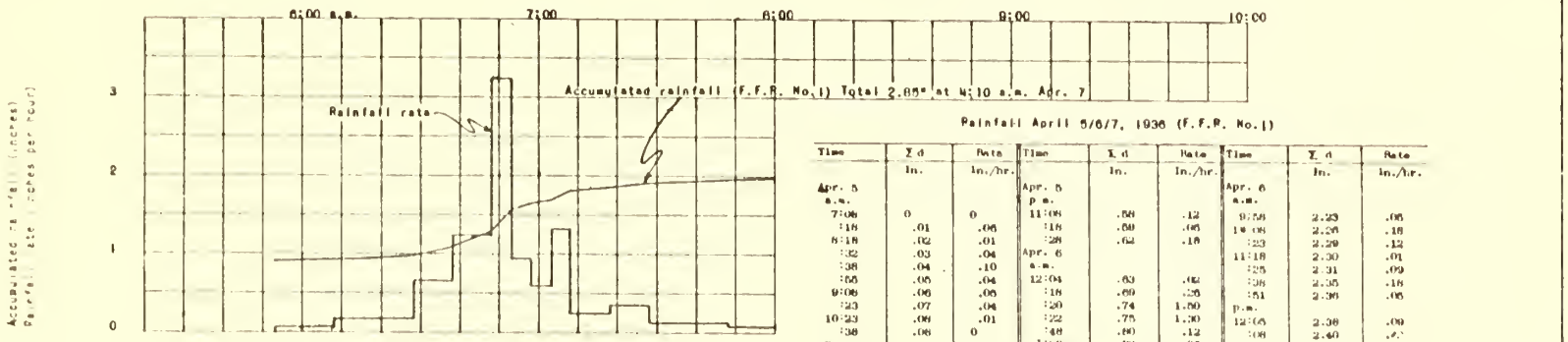
Watershed C5	.31	.38	.57	.82	.98	1.02	1.04	1.06	1.08	1.30	1.19	7.15	1.17	1.18	.41	.42	.42	.42	.42	.42	.42	.42	.42	.42
Watershed C6	.32	.33	.57	.87	1.05	1.11	1.34	1.37	1.41	1.50	1.56	1.61	1.4	1.56	.41	.42	.42	.42	.42	.42	.42	.42	.42	.42
Watershed C7	.4	.42	.76	1.06	1.16	1.20	1.34	1.38	1.41	1.47	1.48	1.48	1.41	1.44	1.47	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48
Watershed C8	.33	.33	.47	.58	.58	.67	.68	.69	.70	.71	.72	.72	.72	.73	.73	.73	.73	.73	.73	.73	.73	.73	.73	.73

STATESVILLE, N. C.

April 6-7, 1936

Sheet 1 of 2 sheets

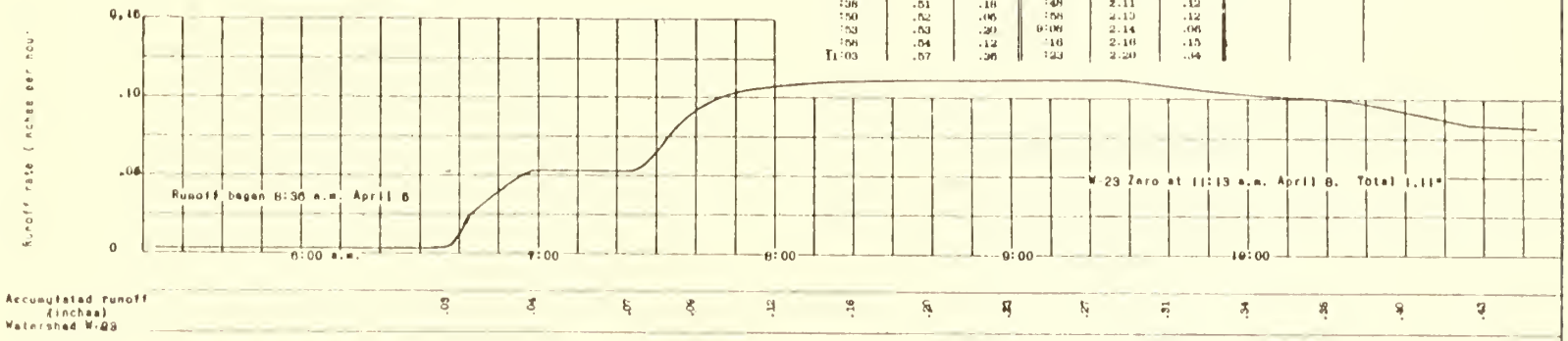
April 6, 1936



Watershed W-23 wooded

Rainfall April 5/6/7, 1936 (F.F.R. No.1)

Time	Σ d	Rate	Time	Σ d	Rate	Time	Σ d	Rate
	In.	In./hr.		In.	In./hr.		In.	In./hr.
Apr. 5			Apr. 5			Apr. 6		
a.m.			p.m.			a.m.		
7:08	0	0	11:08	.58	.12	9:58	2.23	.06
:18	.01	.06	:18	.60	.06	10:08	2.26	.18
8:18	.02	.01	:28	.62	.18	:23	2.29	.12
:32	.03	.04	Apr. 6			11:18	2.30	.01
:38	.04	.10	a.m.			:25	2.31	.09
:55	.05	.04	12:04	.63	.02	:38	2.35	.18
9:08	.06	.05	:18	.69	.35	:51	2.36	.05
:23	.07	.04	:20	.74	1.80	p.m.		
10:23	.09	.01	:22	.75	1.30	12:05	2.38	.09
:38	.08	0	:48	.80	.12	:08	2.40	.2[illegible]
p.m.			1:08	.82	.06	:58	2.40	0
12:08	.09	.02	:12	.85	.45	1:48	2.41	.01
1:08	.10	.01	:24	.87	.10	2:48	2.42	.01
2:48	.11	.01	:33	.89	.13	10:08	2.42	0
4:38	.11	0	:58	.90	.02	:38	2.43	.02
:58	.15	.12	2:18	.91	.03	11:08	2.43	0
5:08	.18	.06	5:53	.91	0	:16	2.44	.08
:48	.17	.02	6:08	.93	.08	:26	2.46	.12
6:08	.19	.06	:18	.96	.18	:33	2.48	.17
7:08	.20	.01	:28	.98	.18	:45	2.49	.05
:38	.20	0	:38	1.10	.06	:58	2.54	.23
:53	.21	.04	:48	1.31	1.36	Apr. 7		
8:08	.23	.06	:53	1.58	3.34	a.m.		
:38	.24	.02	:58	1.65	.95	12:28	2.64	.20
:48	.26	.12	7:03	1.71	.60	:58	2.69	.10
:58	.28	.12	:08	1.82	1.82	1:21	2.75	.16
9:25	.29	.02	:18	1.86	.34	:45	2.77	.05
:48	.33	.10	:28	1.92	.36	2:06	2.78	.03
:53	.36	.36	:48	1.96	.12	:33	2.82	.09
:58	.39	.36	8:08	1.99	.09	:18	2.83	.04
10:08	.42	.18	:21	2.02	.14	3:08	2.83	0
:28	.48	.18	:38	2.09	.25	:18	2.85	.12
:38	.51	.18	:48	2.11	.12			
:50	.52	.05	:58	2.13	.12			
:53	.53	.20	9:08	2.14	.06			
:58	.54	.12	:18	2.18	.15			
11:03	.57	.36	:23	2.20	.04			

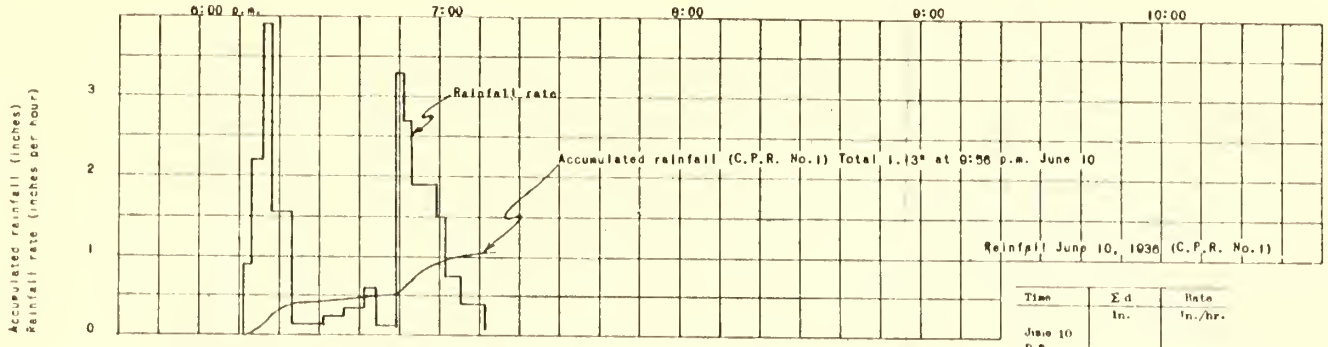


STATESVILLE, N. C.

April 5/6/7, 1936

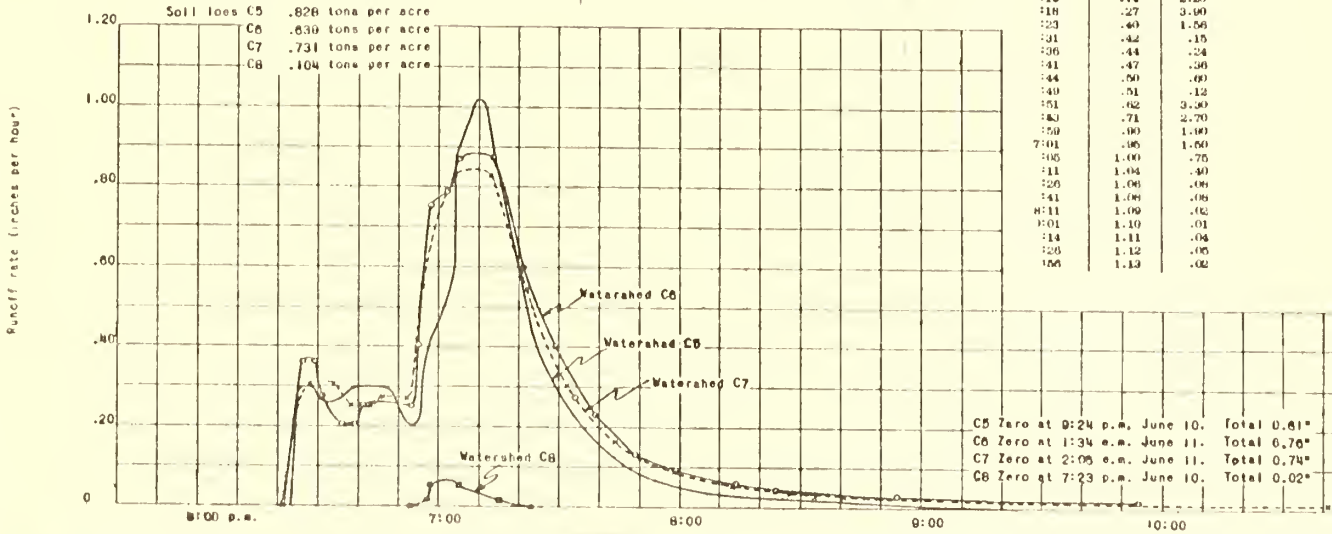
Sheet 2 of 2 sheets

June 10, 1936



Watershed C5, C6, and C7 seeded to oats and lespedeza March 9, 1936. Terraced
Watershed C8 plowed May 1, disked May 28, and planted to soybeans June 3, 1936. Unterraced

Soil loss C5 .828 tons per acre
C6 .630 tons per acre
C7 .731 tons per acre
C8 .104 tons per acre



Time	Σd In.	Rate In./hr.
June 10 p.m.		
6:11	0	
:13	.03	.90
:16	.14	2.20
:18	.27	3.90
:23	.40	1.56
:31	.42	.15
:36	.44	.24
:41	.47	.36
:44	.50	.60
:49	.51	.12
:51	.62	3.30
:53	.71	2.70
:59	.90	1.80
7:01	.95	1.60
:05	1.00	.75
:11	1.04	.40
:26	1.06	.08
:41	1.08	.08
8:11	1.09	.02
9:01	1.10	.01
:14	1.11	.04
:26	1.12	.05
:56	1.13	.02

C5 Zero at 9:24 p.m. June 10. Total 0.81"
C6 Zero at 1:34 a.m. June 11. Total 0.76"
C7 Zero at 2:05 a.m. June 11. Total 0.74"
C8 Zero at 7:23 p.m. June 10. Total 0.02"

Accumulated runoff (inches)

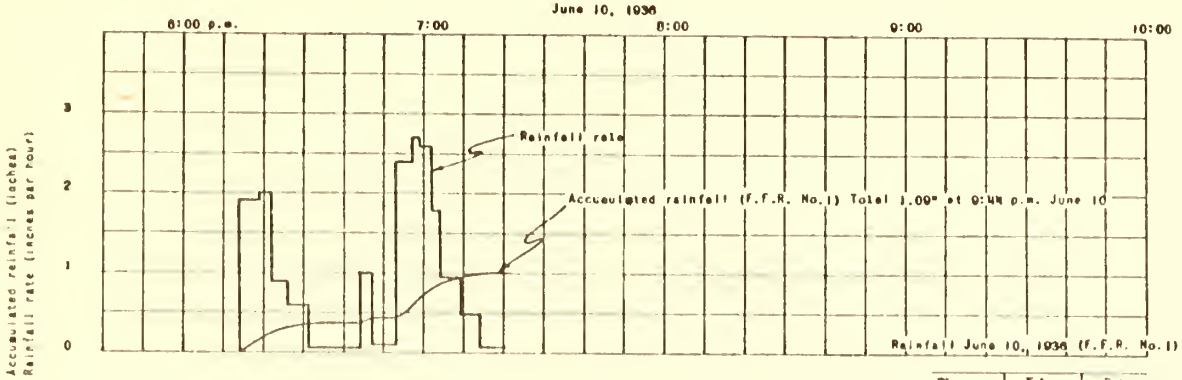
Watershed C5	.05	.08	.12	.31	.54	.56	.58	.60	.61	.61
Watershed C6	.08	.09	.12	.35	.49	.56	.62	.68	.71	.72
Watershed C7	.07	.08	.12	.34	.49	.56	.63	.68	.68	.71
Watershed C8				.02	.02					

STATESVILLE, N. C.

June 10, 1936

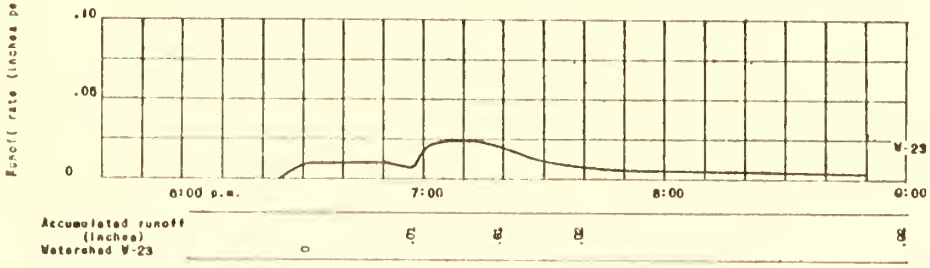
Sheet 1 of 2 sheets

June 10, 1936



Watershed W-23 wooded

Time	Σ d	Rate
	in.	in./hr.
June 10		
p.m.		
6:14	0	
:19	.16	1.92
:22	.26	2.00
:26	.32	.90
:31	.37	.60
:44	.38	.05
:47	.43	1.00
:53	.44	.10
:57	.60	2.40
:59	.69	2.70
7:02	.82	2.60
:04	.88	1.80
:09	.96	.96
:14	1.00	.48
:19	1.03	.07
8:14	1.04	.02
:34	1.05	.03
:59	1.05	0
9:24	1.08	.07
:44	1.09	.03

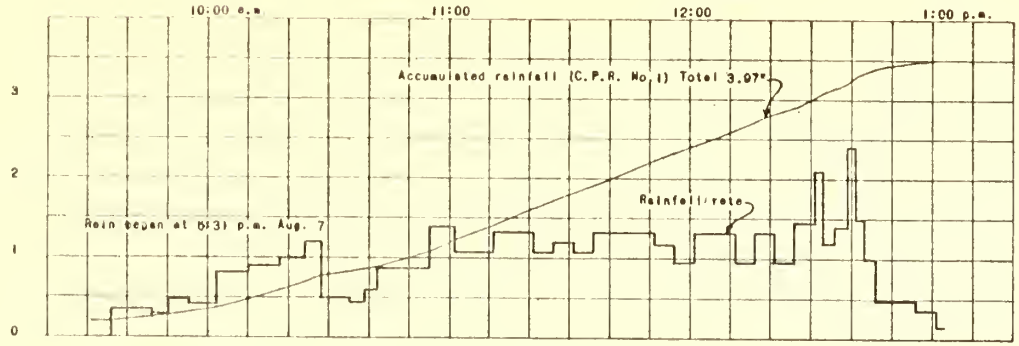


STATESVILLE, N. C.

June 10, 1936

Sheet 2 of 2 sheets

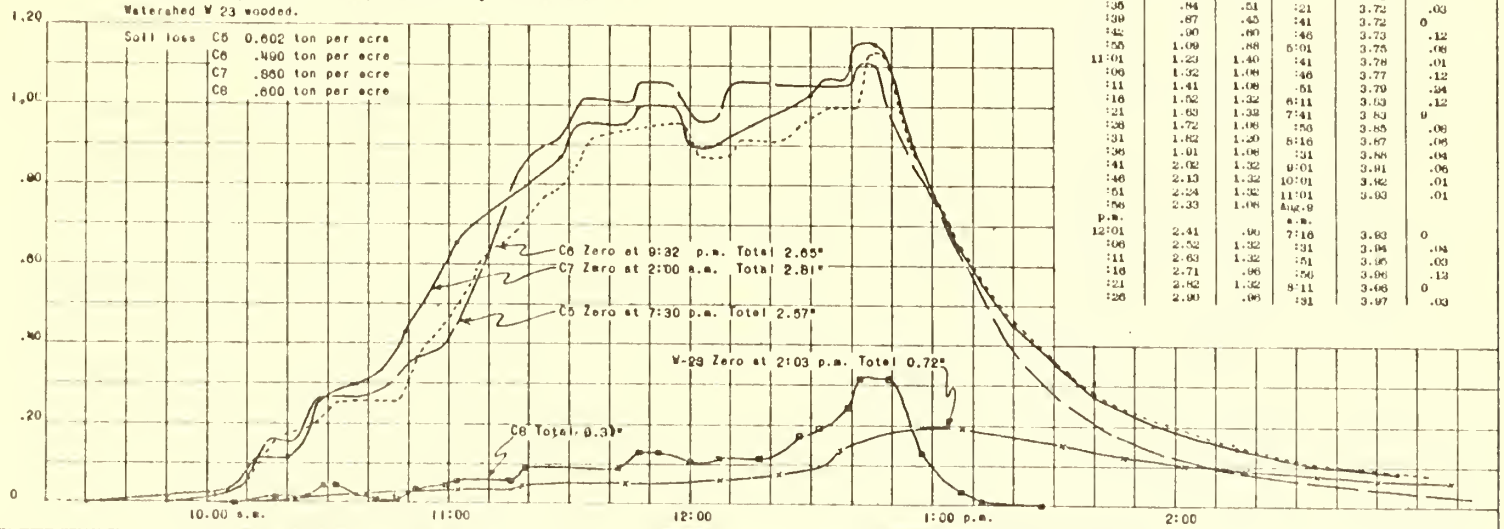
August 8, 1936



Rainfall August 7/8/9, 1936 (C.P.R. No. 1)

Time	Σ d	Rate	Time	Σ d	Rate
	in.	in./hr.		in.	in./hr.
Aug. 7			Aug. 8		
p.m.			p.m.		
6:31	0		12:31	3.02	1.44
:46	.01	.04	:33	3.09	2.10
Aug. 8			:39	3.15	1.20
a.m.			:39	3.22	1.40
7:16	.01	0	:41	3.30	2.40
:26	.05	.24	:43	3.35	1.50
:46	.07	.06	:46	3.40	1.00
8:36	.09	.02	:51	3.44	.48
:56	.15	.18	:56	3.48	.48
9:06	.18	.18	1:01	3.51	.36
:16	.19	.06	:21	3.56	.15
:31	.20	.04	2:11	3.56	0
:36	.20	0	:16	3.57	.12
:46	.26	.36	:31	3.57	0
:50	.28	.20	:36	3.58	.12
:56	.32	.48	:56	3.59	.03
10:02	.37	.45	3:11	3.64	.20
:10	.48	.82	:29	3.66	.07
:18	.60	.90	:31	3.68	.02
:24	.70	1.00	:43	3.69	.05
:28	.78	1.20	4:01	3.71	.07
:36	.84	.51	:21	3.72	.03
:39	.87	.45	:41	3.72	0
:42	.90	.60	:46	3.73	.12
:55	1.09	.88	5:01	3.75	.08
11:01	1.23	1.40	:41	3.78	.01
:06	1.32	1.08	:46	3.77	.12
:11	1.41	1.08	:51	3.79	.24
:16	1.52	1.32	6:11	3.83	.12
:21	1.63	1.32	7:41	3.83	0
:26	1.72	1.08	:56	3.85	.08
:31	1.82	1.20	8:16	3.87	.06
:36	1.91	1.08	:31	3.88	.04
:41	2.02	1.32	9:01	3.91	.06
:46	2.13	1.32	10:01	3.92	.01
:51	2.24	1.32	11:01	3.93	.01
:56	2.33	1.08	Aug. 9		
p.m.			a.m.		
12:01	2.41	.96	7:16	3.93	0
:06	2.52	1.32	:31	3.94	.04
:11	2.63	1.32	:51	3.95	.03
:16	2.71	.96	:56	3.96	.12
:21	2.82	1.32	8:11	3.96	0
:26	2.90	.96	:31	3.97	.03

Watersheds C5, C6, and C7 were sowed June 15. Lespedeza sparse 8" high. Terraced
Watershed C8, good stand of soy beans 18" high. Unterraced
Watershed W 23 wooded.



Accumulated runoff (inches)

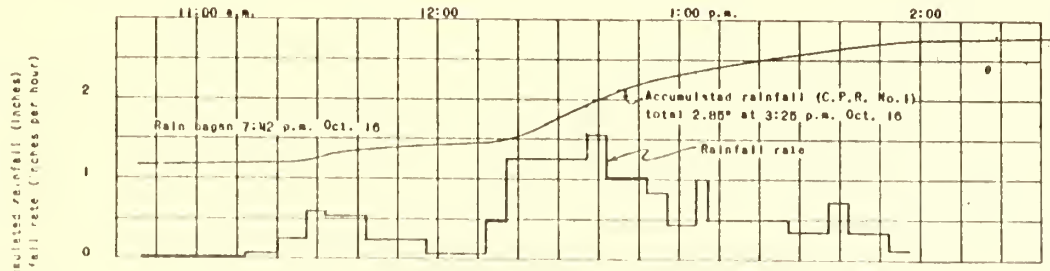
Watershed C5	0	.09	.21	.44	.66	1.12	1.79	1.87	2.12	1.31	2.42	2.49	2.51	2.52			
Watershed C6	0	.13	.20	.44	.86	1.34	1.68	1.95	2.19	2.31	2.40	2.44	2.49				
Watershed C7	0	.06	.32	.46	.86	1.21	1.56	2.10	2.30	2.43	2.56	2.62					
Watershed C8	0	.04	.04	.06	.11	.17	.28	.31									
Watershed W 23	0	.02	.06	.16	.30	.15	.52	.52	.42								

STATESVILLE, N. C.

August 8, 1936

Sheet 1 of 1 sheet

October 16, 1936

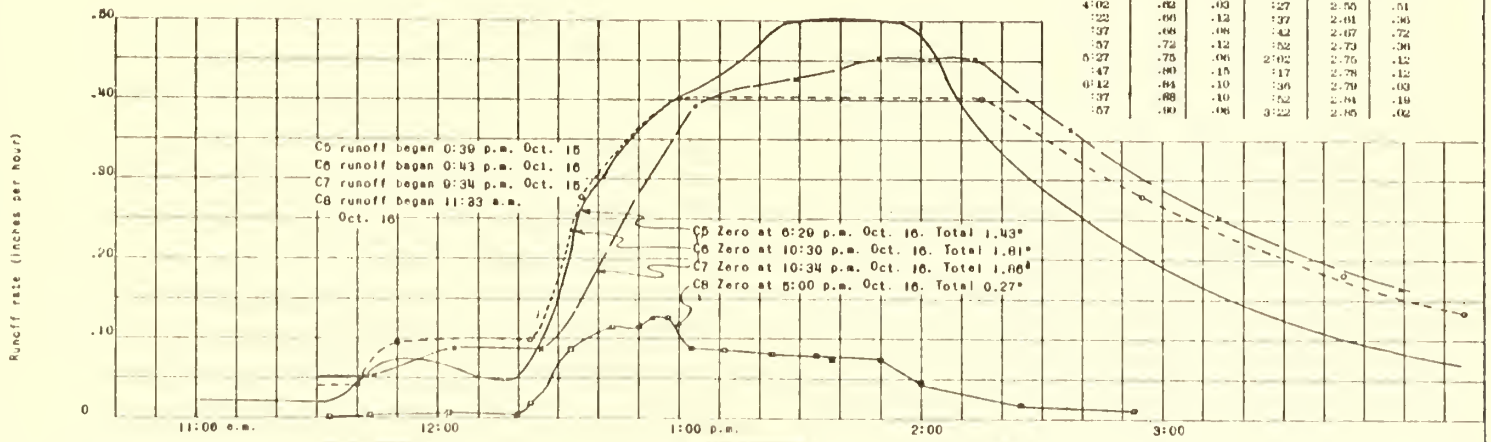


Watersheds C5, C6, C7 seeded to lespedeza and oats March 9/13; oats cut June 15. Terraced
Watershed C8 planted to soybeans June 3/4, cultivated June 18/20, and harvested Oct.14. Unterraced

Soil losses C5 0.168 ton per acre
C6 .093 ton per acre
C7 .123 ton per acre
C8 .066 ton per acre

Rainfall October 15/16, 1936 (C.P.R. No.1)

Time	Σ d	Rate	Time	Σ d	Rate
	In.	In./hr.		In.	In./hr.
Oct.15 p.m.			Oct.16 a.m.		
7:42	0		7:27	.97	.14
:57	.01	.04	:42	1.01	.16
8:12	.06	.20	:57	1.04	.12
:27	.12	.24	8:17	1.08	.12
:45	.18	.20	:42	1.11	.07
:57	.22	.20	:57	1.12	.04
9:07	.24	.12	9:42	1.12	0
:27	.26	.06	:57	1.13	.04
:32	.31	.60	10:12	1.14	.04
:35	.33	.40	:27	1.15	.04
:47	.37	.20	:42	1.18	.04
10:12	.39	.05	:47	1.18	.24
:32	.40	.03	11:12	1.19	.02
Oct.16 a.m.			:20	1.20	.08
			:27	1.23	.26
12:07	.40	0	:32	1.29	.00
:50	.41	.18	:42	1.37	.54
:57	.48	.34	:57	1.43	.24
1:07	.50	.12	p.m.		
:22	.52	.08	12:12	1.45	.08
:27	.53	.12	:17	1.49	.48
:42	.53	0	:27	1.70	1.20
:57	.54	.04	:37	1.91	1.26
2:32	.55	.03	:42	2.04	1.56
:37	.57	.12	:52	2.21	1.02
3:22	.58	.01	:57	2.39	.84
:27	.59	.12	1:04	2.30	.43
:42	.61	.08	:07	2.38	1.00
4:02	.62	.03	:27	2.55	.51
:22	.66	.12	:37	2.61	.36
:37	.68	.08	:42	2.67	.72
:57	.72	.12	:52	2.73	.30
5:27	.75	.06	2:02	2.75	.12
:47	.80	.15	:17	2.78	.12
6:12	.84	.10	:36	2.79	.03
:37	.88	.10	:52	2.84	.19
:57	.90	.06	3:22	2.85	.02



Accumulated runoff (inches)

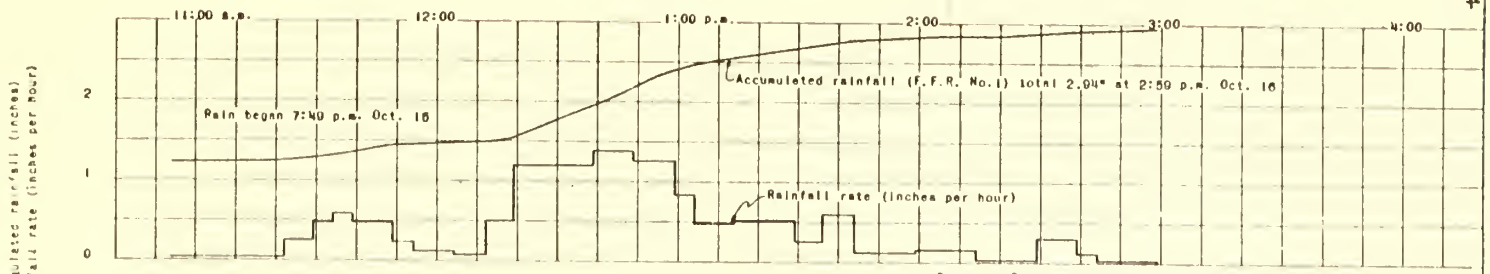
Watershed C5	.20	.23	.25	.31	.43	.56	.73	.91	1.04	1.13	1.21	1.27	1.31	1.34
Watershed C6	.34	.38	.40	.45	.56	.71	.92	.98	1.11	1.22	1.32	1.40	1.46	1.54
Watershed C7	.36	.38	.40	.47	.55	.69	.82	.97	1.12	1.25	1.35	1.44	1.52	1.60
Watershed C8	0			.02	.08	.16	.14	.16	.17	.16	.18	.18	.19	.19

STATESVILLE, N. C.

October 15/16, 1936

Sheet 1 of 2 sheets

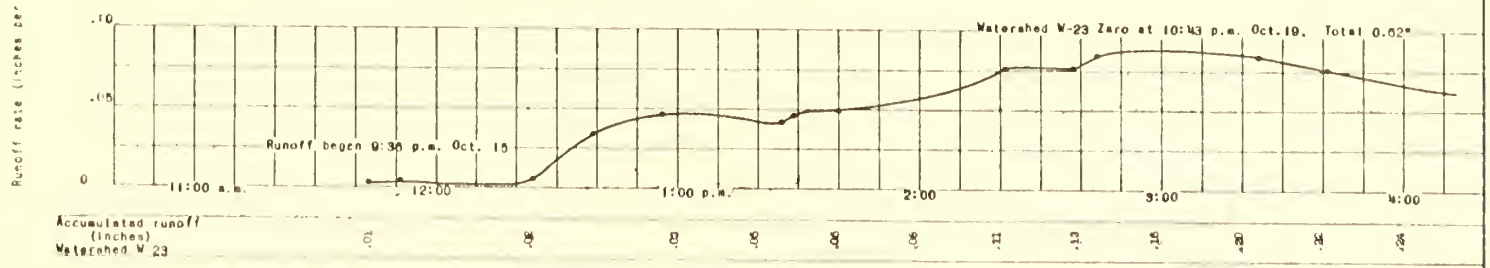
October 16, 1936



Rainfall October 15/16, 1936 (F.F.R. No. 1)

Watershed W-23 wooded

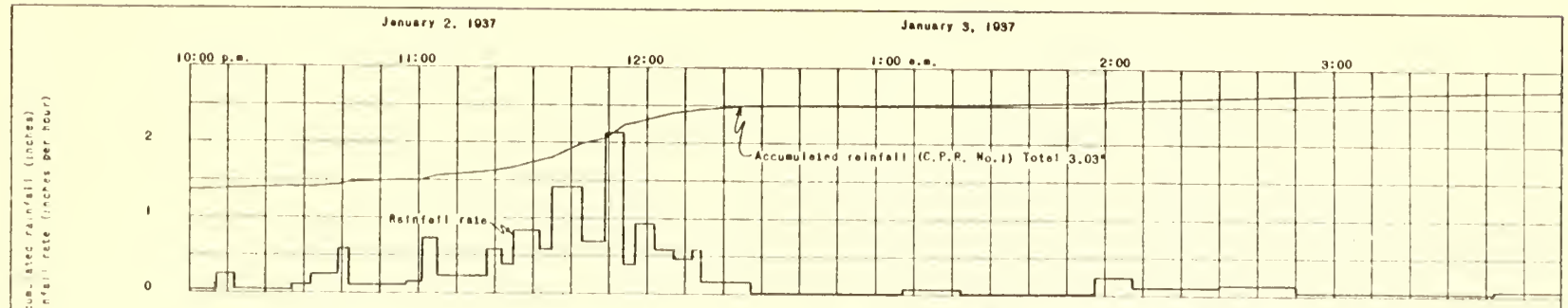
Time	Σ d In.	Rate In./hr.	Time	Σ d In.	Rate In./hr.	Time	Σ d In.	Rate In./hr.
Oct.15 p.m.			Oct.16 a.m.			Oct.16 a.m.		
7:40	0		4:00	.67	.12	11:54	1.47	.24
:50	.02	.12	:20	.71	.12	p.m.		
8:24	.09	.17	:30	.73	.12	12:04	1.49	.12
:32	.14	.36	:40	.76	.18	:12	1.50	.06
:52	.20	.18	:50	.78	.12	:19	1.56	.51
:59	.23	.26	5:20	.81	.06	:29	1.76	1.20
9:00	.25	.12	:19	.85	.12	:34	1.86	1.20
:29	.28	.06	:30	.86	.06	:39	1.96	1.20
:32	.31	.09	6:00	.89	.18	:49	2.19	1.38
:38	.35	.45	:20	.91	.06	:59	2.40	1.26
:45	.39	.27	:30	.94	.06	1:04	2.47	.84
10:00	.42	.09	7:20	1.02	.16	:14	2.55	.48
:29	.43	.03	:30	1.06	.12	:21	2.61	.51
Oct.16 a.m.			8:20	1.14	.12	:29	2.66	.52
			:30	1.17	.06	:36	2.71	.26
12:32	.43	0	9:54	1.17	0	:44	2.79	.00
:53	.51	.23	10:14	1.19	.06	:50	2.82	.12
1:10	.55	.10	:30	1.20	.02	2:14	2.86	.16
:19	.56	.20	:54	1.23	.12	:20	2.87	.04
:39	.56	.03	11:22	1.25	.04	:30	2.92	.30
3:09	.61	.03	:29	1.28	.26	:34	2.93	.12
:20	.62	.03	:34	1.32	.48	:50	2.94	.04
:41	.64	.10	:39	1.37	.40			
:59	.65	.03	:49	1.45	.48			



STATESVILLE, N. C.

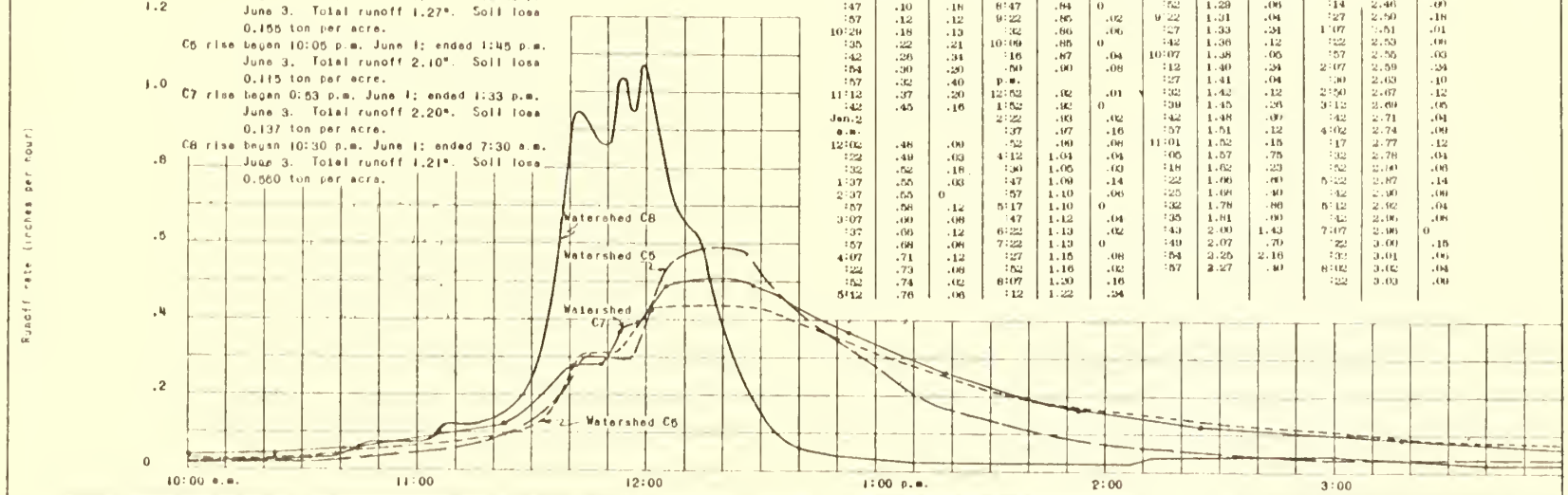
October 15/16, 1936

Sheet 2 of 2 sheets



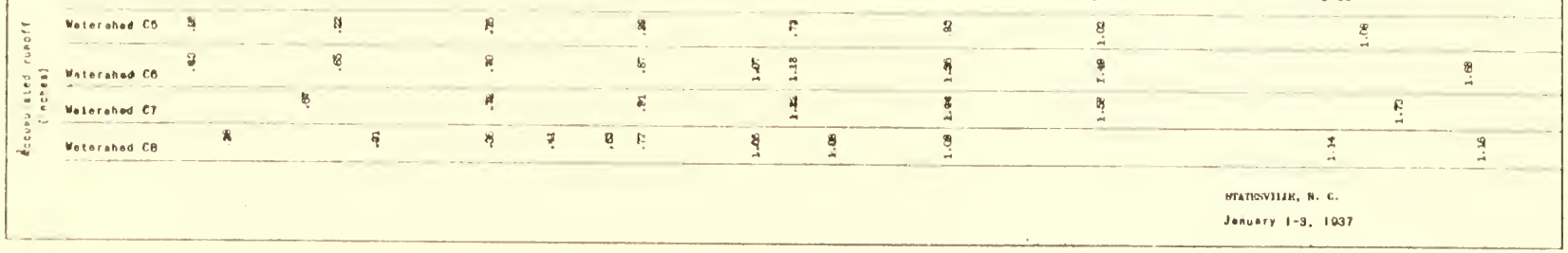
Watersheds C5, C6, and C7 in sparse lespedeza.
Terraced.
Watershed C8 in good stand of oats 1" high.
Unterraced.

C5 rise began 10:42 p.m. June 1; ended 12:43 p.m. June 3. Total runoff 1.27". Soil loss 0.155 ton per acre.
C6 rise began 10:05 p.m. June 1; ended 1:45 p.m. June 3. Total runoff 2.10". Soil loss 0.115 ton per acre.
C7 rise began 0:53 p.m. June 1; ended 1:33 p.m. June 3. Total runoff 2.20". Soil loss 0.137 ton per acre.
C8 rise began 10:30 p.m. June 1; ended 7:30 a.m. June 3. Total runoff 1.21". Soil loss 0.560 ton per acre.



Rainfall January 1/2/3, 1037 (C.P.R. No.1)

Time	Σ d In.	Rate In./hr.	Time	Σ d In.	Rate In./hr.	Time	Σ d In.	Rate In./hr.	Time	Σ d In.	Rate In./hr.
Jan.1 p.m.			Jan.2 a.m.			Jan.2 p.m.			Jan.3 a.m.		
8:37	0	0	5:44	.81	.10	8:18	1.23	.10	12:02	2.35	.06
9:15	.02	.03	:52	.82	.08	:22	1.25	.06	:07	2.40	.60
:27	.04	.10	6:47	.84	.02	:32	1.27	.12	:12	2.44	.38
:47	.10	.18	8:47	.84	0	:52	1.29	.06	:14	2.46	.09
:57	.12	.12	9:22	.85	.02	9:22	1.31	.04	:27	2.50	.18
10:29	.18	.13	:32	.86	.06	:27	1.33	.34	1:07	2.51	.01
:35	.22	.21	10:09	.85	0	:42	1.36	.12	:22	2.53	.06
:42	.26	.34	:16	.87	.04	10:07	1.38	.06	:57	2.55	.03
:54	.30	.20	:50	.90	.08	:12	1.40	.34	2:07	2.59	.34
:57	.32	.40	p.m.			:27	1.41	.04	:30	2.63	.10
11:12	.37	.20	12:52	.92	.01	:32	1.42	.12	2:50	2.67	.12
:42	.45	.16	1:52	.92	0	:39	1.45	.26	3:12	2.69	.05
Jan.2 a.m.			2:22	.93	.02	:42	1.48	.09	:42	2.71	.04
			:37	.97	.16	:57	1.51	.12	4:02	2.74	.09
12:02	.48	.00	:52	.99	.08	11:01	1.52	.15	:17	2.77	.12
:22	.49	.03	4:12	1.04	.04	:05	1.57	.75	:32	2.78	.04
:32	.52	.18	:30	1.05	.03	:18	1.62	.23	:52	2.79	.06
1:37	.55	.03	:47	1.09	.14	:22	1.66	.09	5:22	2.87	.14
2:37	.55	0	:57	1.10	.06	:25	1.68	.40	:42	2.90	.06
:57	.58	.12	5:17	1.10	0	:32	1.78	.86	6:12	2.92	.04
3:07	.60	.08	:47	1.12	.04	:35	1.81	.09	:42	2.96	.08
:37	.66	.12	6:22	1.13	.02	:40	2.00	1.43	7:07	2.96	0
:57	.68	.06	7:22	1.13	0	:49	2.07	.70	:22	3.00	.15
4:07	.71	.12	:27	1.15	.08	:54	2.25	2.16	:32	3.01	.06
:22	.73	.06	:52	1.16	.02	:57	2.27	.40	8:02	3.02	.04
:52	.74	.02	8:07	1.20	.16				:22	3.03	.00
5:12	.76	.06	:12	1.22	.34						

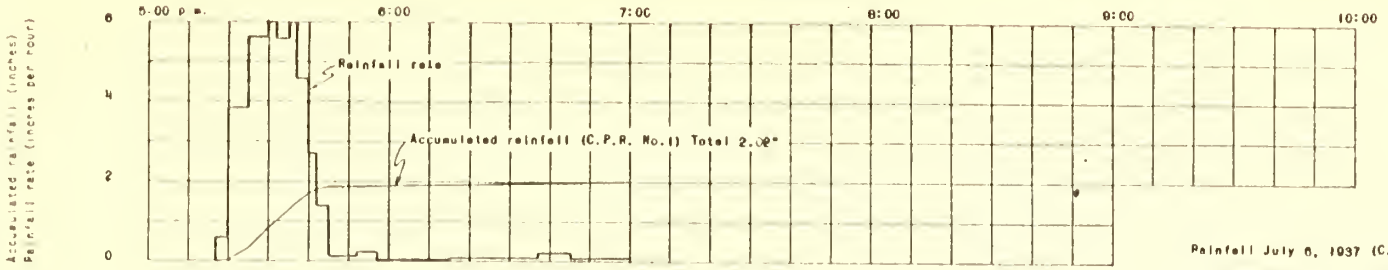


STATESVILLE, N. C.

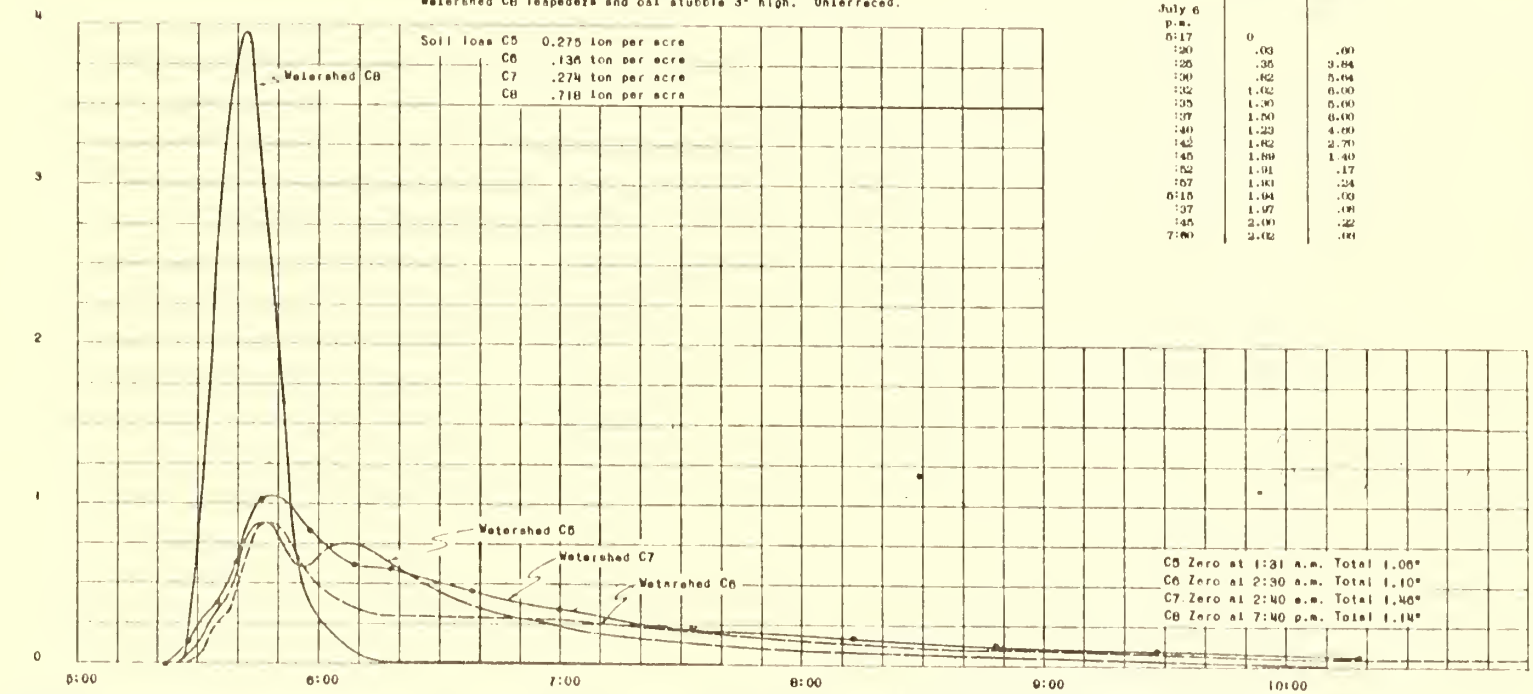
January 1-3, 1937

Sheet 1 of 1 sheet

July 6, 1937



Watersheds C5, C6, and C7 lespedeza 4" high. Terraced.
Watershed C8 lespedeza and oat stubble 3" high. Unterraced.



Soil loss C5 0.275 ton per acre
C6 .136 ton per acre
C7 .274 ton per acre
C8 .718 ton per acre

C5 Zero at 1:31 a.m. Total 1.06"
C6 Zero at 2:30 a.m. Total 1.10"
C7 Zero at 2:40 a.m. Total 1.46"
C8 Zero at 7:40 p.m. Total 1.14"

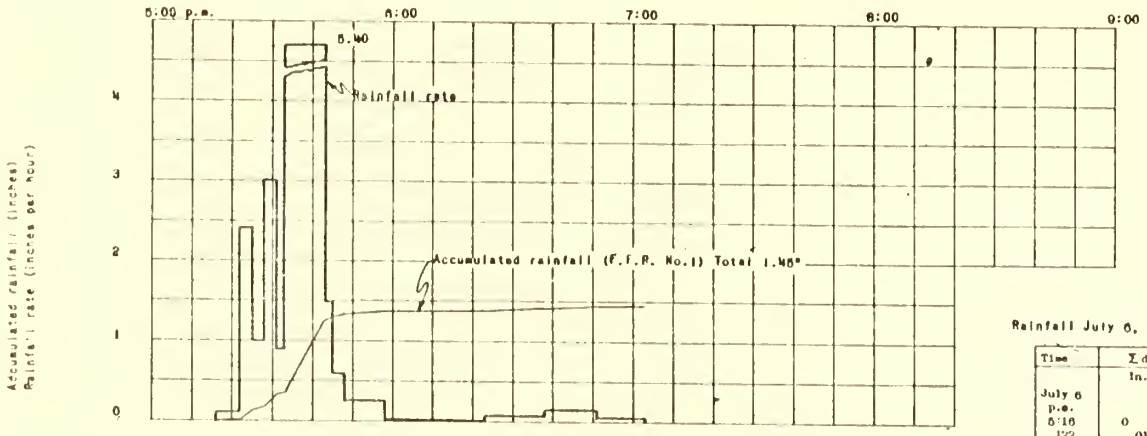
Rainfall July 6, 1937 (C.P.R. No.1)

Time	Σ d	Rate
	in.	in./hr.
July 6 p.m.		
6:17	0	
:20	.03	.00
:25	.35	3.84
:30	.82	5.04
:32	1.02	6.00
:35	1.30	5.00
:37	1.50	6.00
:40	1.23	4.00
:42	1.82	2.70
:45	1.89	1.40
:52	1.91	.17
:57	1.93	.24
6:15	1.94	.03
:37	1.97	.08
:45	2.00	.22
7:00	2.02	.00

Accumulated runoff (inches)

| | | |

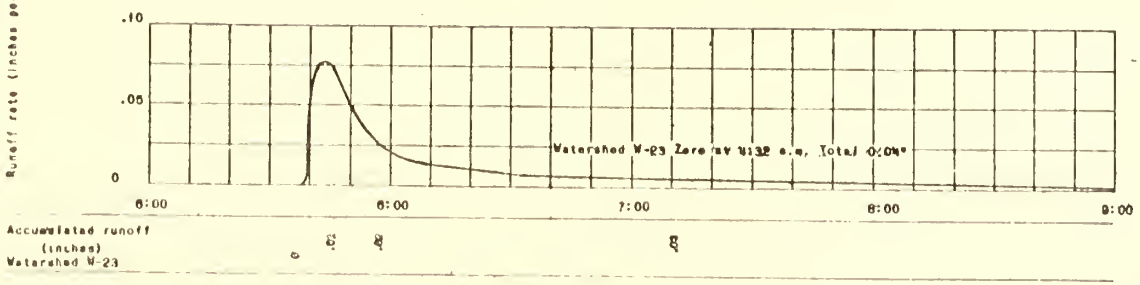
July 6, 1937



Watershed W-23 wooded

Rainfall July 6, 1937 (F.F.R. No.1)

Time	Σd	Rate
	In.	In./hr.
July 6 p.m.		
5:16	0	0
:22	.01	.10
:25	.13	2.40
:28	.18	1.00
:31	.33	3.00
:33	.36	.90
:38	.81	6.40
:43	1.26	5.40
:45	1.31	1.60
:48	1.34	.60
:58	1.38	.24
6:23	1.39	.02
:30	1.40	.09
:36	1.41	.08
:51	1.44	.14
7:09	1.45	.05

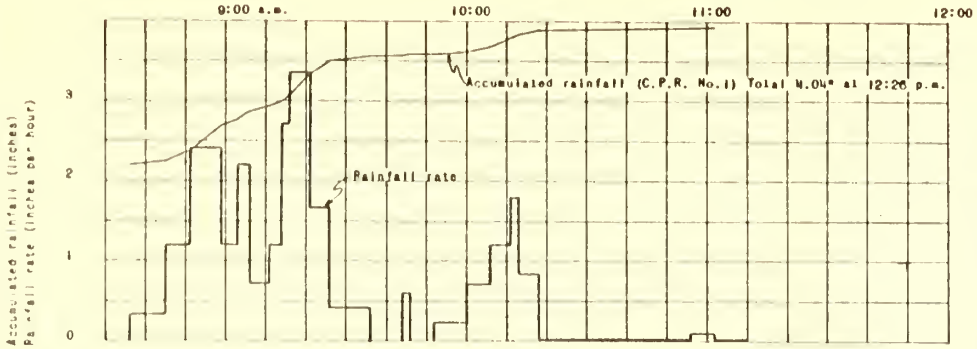


STATESVILLE, N. C.

July 6, 1937

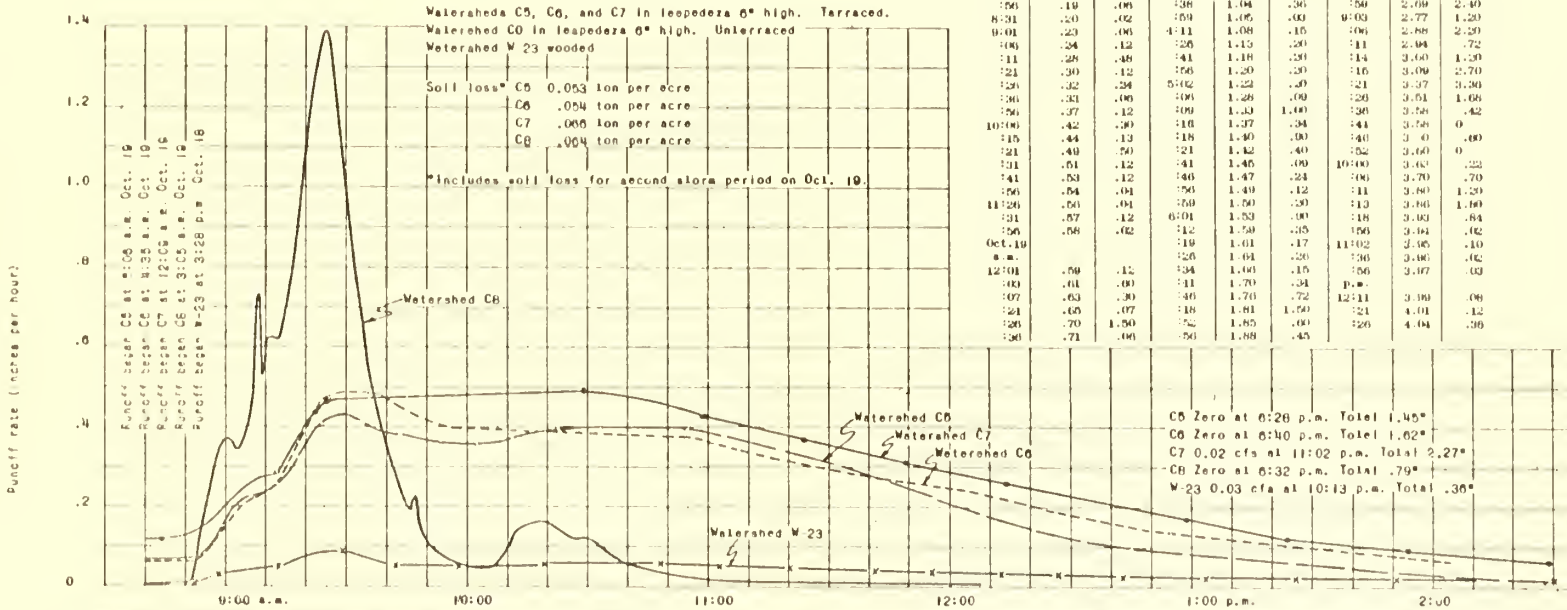
Sheet 2 of 2 sheets

October 19, 1937



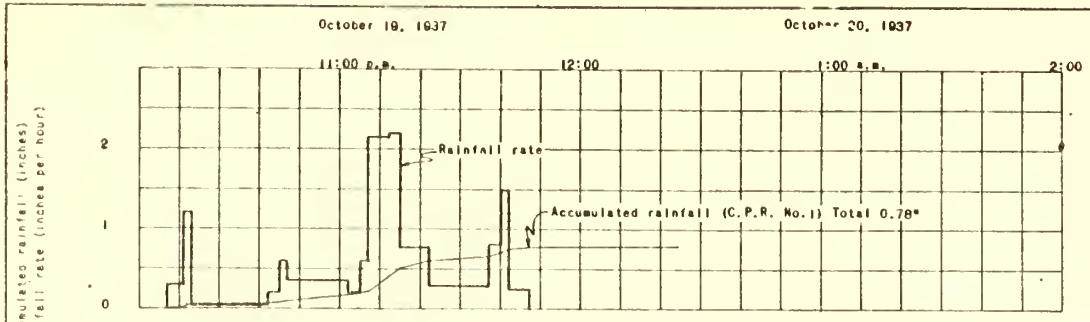
Rainfall October 19, 1937 (C.P.R. No.1)

Time	Σ d In.	Rate In./hr.	Time	Σ d In.	Rate In./hr.	Time	Σ d In.	Rate In./hr
Oct.18 p.m.			Oct.19 a.m.			Oct.19 a.m.		
1:56	0	0	12:49	.72	.04	7:04	1.92	.30
2:11	.02	.08	:51	.74	.00	:11	1.93	.00
:36	.03	.02	1:21	.81	.14	:26	2.00	.64
:40	.06	.18	:31	.82	.06	:37	2.15	.35
3:11	.08	.05	:48	.83	.04	:39	2.16	.30
:21	.10	.12	:50	.84	.06	:40	2.18	1.20
:41	.13	.09	2:06	.84	0	:54	2.19	.04
:56	.15	.08	:53	.89	.11	8:06	2.25	.05
4:21	.16	.02	3:01	.94	.38	:36	2.20	0
7:06	.16	0	:11	.98	.24	:45	2.25	.33
:11	.17	.12	:21	1.00	.12	:51	2.37	1.20
:46	.18	.02	:33	1.01	.06	:58	2.57	2.40
:56	.19	.06	:38	1.04	.36	:59	2.09	2.40
8:31	.20	.02	:59	1.05	.00	9:03	2.77	1.20
9:01	.23	.06	4:11	1.08	.15	:06	2.88	2.20
:06	.24	.12	:26	1.15	.20	:11	2.94	.72
:11	.28	.48	:41	1.18	.30	:14	3.00	1.20
:21	.30	.12	:56	1.20	.20	:16	3.09	2.70
:26	.32	.24	5:02	1.22	.20	:21	3.37	3.30
:36	.33	.06	:06	1.28	.00	:26	3.51	1.68
:56	.37	.12	:09	1.30	1.00	:38	3.58	.42
10:06	.42	.30	:16	1.37	.34	:41	3.58	0
:15	.44	.13	:18	1.40	.00	:40	3:0	.00
:21	.48	.50	:21	1.42	.40	:52	3.60	0
:31	.51	.12	:41	1.45	.00	10:00	3.63	.22
:41	.53	.12	:46	1.47	.24	:06	3.70	.70
:56	.54	.04	:56	1.49	.12	:11	3.80	1.20
11:26	.56	.04	:59	1.50	.30	:13	3.86	1.80
:31	.57	.12	6:01	1.53	.00	:18	3.93	.84
:56	.58	.02	:12	1.59	.35	:56	3.94	.02
Oct.19 a.m.			:19	1.61	.17	11:02	3.95	.10
			:26	1.64	.20	:36	3.96	.02
12:01	.59	.12	:34	1.66	.15	:56	3.97	.03
:03	.61	.00	:41	1.70	.34	p.m.		
:07	.63	.30	:46	1.76	.72	12:11	3.99	.08
:21	.65	.07	:18	1.81	1.50	:21	4.01	.12
:26	.70	1.50	:52	1.85	.00	:26	4.04	.36
:30	.71	.06	:56	1.88	.45			



Accumulated runoff (inches)

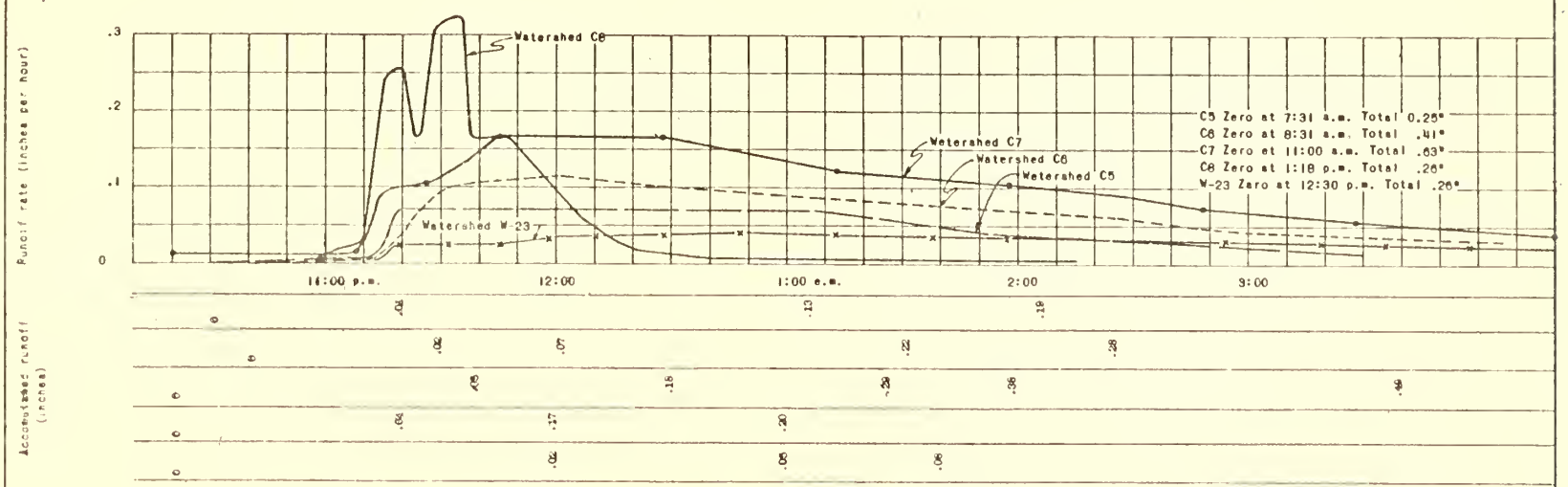
| | | |



See preceding sheet on this date for watershed description and soil loss data.

Rainfall October 19/20, 1937 (C.P.R. No.1)

Time	Σ d	Rate
	In.	In./hr.
Oct.19 p.m.		
10:17	0	0
:21	.02	.30
:23	.06	1.20
:42	.07	.03
:45	.08	.20
:47	.10	.60
11:02	.19	.36
:05	.20	.20
:07	.22	.60
:12	.40	2.16
:15	.51	2.20
:22	.60	.77
:37	.67	.28
:40	.71	.80
:42	.76	1.50
:47	.78	.24

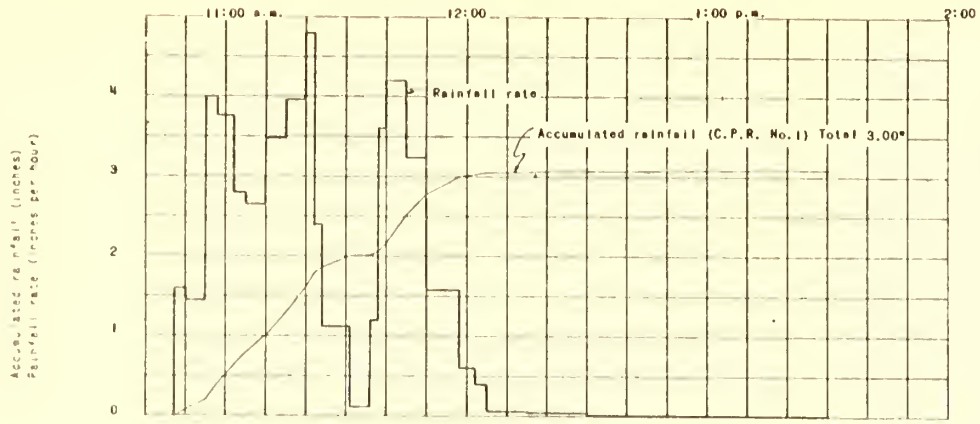


STATESVILLE, N. C.

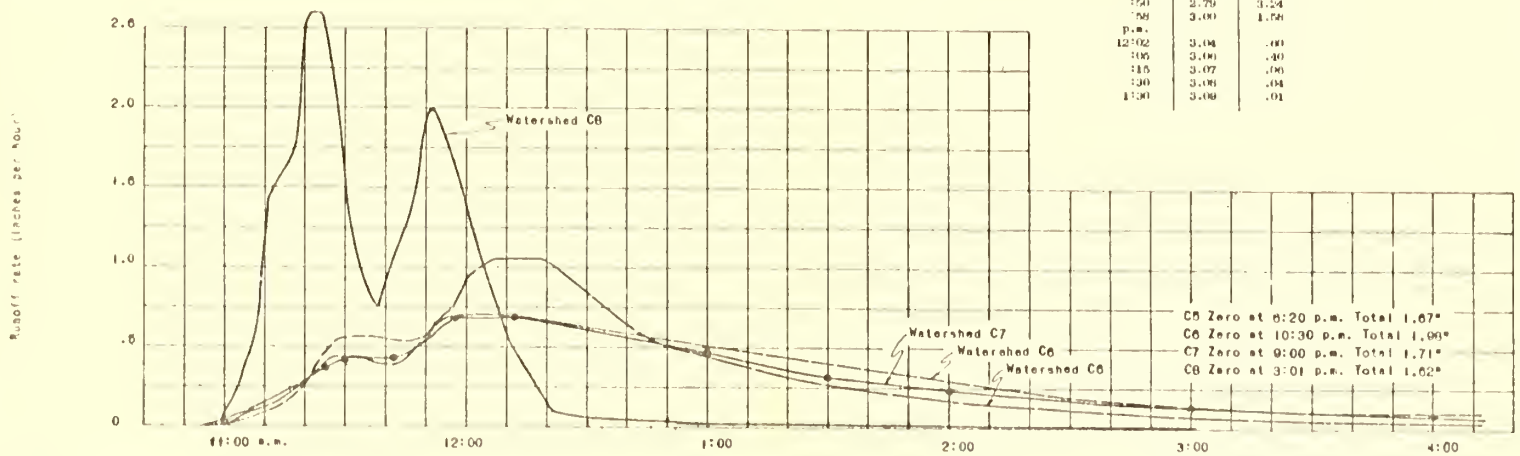
October 19/20, 1937

Sheet 1 of 1 sheet

June 20, 1938



Terraces C5, C6, and C7 in lespedeza mowed for weed control June 16/22
Watershed C8 in lespedeza mowed for weed control June 16/22. Unterraced



Accumulated runoff (inches)

Watershed C5	0	.54	.57	.58	.72	1.00	1.47	1.58	1.47	1.58	1.63						
Watershed C6	0	.10	.10	.10	.10	.10	1.56	1.96	1.67	1.75							
Watershed C7	0	.56	.56	.57	.57	.57	.57	1.46	1.58	1.47	1.58						
Watershed C8	0	.52	.53	.56	1.36	1.56	1.56	1.61	1.62								

Rainfall June 20, 1938 (C.P.R. No.1)

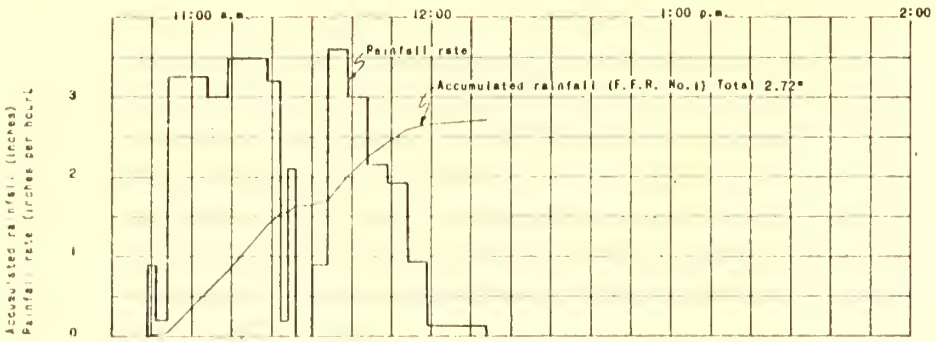
Time	Σ d	Rate
	In.	In./hr.
June 20		
a.m.		
10:47	0	0
:50	.08	1.60
:55	.20	1.44
:56	.40	4.00
11:02	.65	3.75
:05	.79	2.80
:10	1.01	2.64
:15	1.30	3.48
:20	1.63	3.30
:22	1.79	4.80
:24	1.87	2.40
:31	2.00	1.11
:36	2.01	.12
:38	2.05	1.20
:40	2.17	3.00
:45	2.52	4.20
:50	2.79	3.24
:59	3.00	1.58
p.m.		
12:02	3.04	.00
:05	3.00	.40
:15	3.07	.06
:30	3.08	.04
1:30	3.09	.01

STATESVILLE, N. C.

June 20, 1938

Sheet 1 of 4 sheets

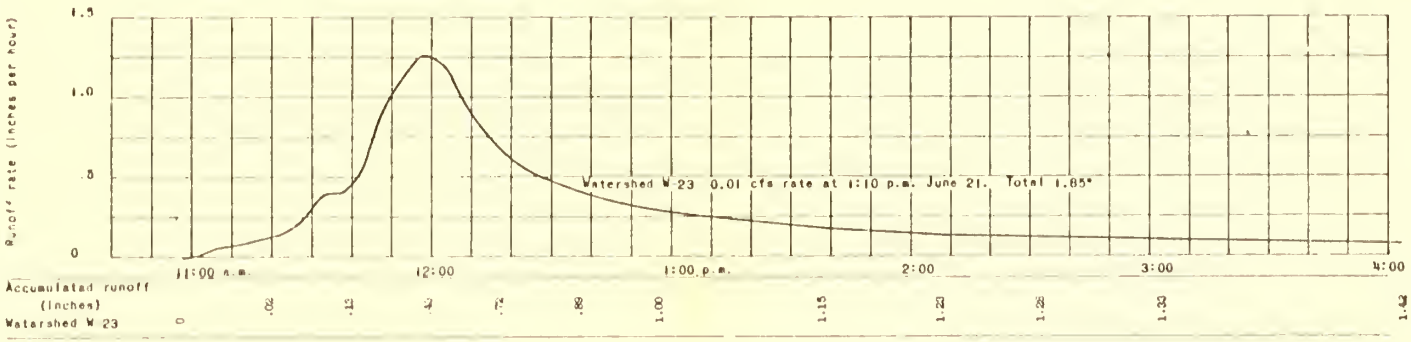
June 20, 1938



Wooded Watershed W-23: all trees over 8" cut and removed during winter of 1937/38 leaving a conglomeration of tops, broken saplings, and a scattering of non-commercial species.

Rainfall June 20, 1938 (F.F. R. No.1)

Time	Σ d	Rate
	in.	in./hr.
June 20 a.m.		
10:49	0	0
:51	.03	.90
:54	.04	.20
11:04	.58	3.24
:09	.83	3.00
:19	1.41	3.48
:22	1.57	3.30
:24	1.58	.30
:28	1.65	2.10
:30	1.65	0
:34	1.71	.90
:39	2.04	3.00
:44	2.26	3.00
:49	2.44	2.16
:54	2.60	1.92
:59	2.68	.96
p.m.		
12:14	2.72	.16



STATESVILLE, N. C.

June 20, 1938

Sheet 2 of 2 sheets