

5605 10

## RAINFALL at Glenogil Water Works. (D).

County of Forfar

Observer J. L. Brown, Esq.

River Basin South Esk &amp;c. 3.

S. Christie Esq

Rain Gauge, by

Diameter ...					5						
Height .....					10						
Altitude ...					700						
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...					1.91	4.25	3.00	2.20	3.35	3.95	
February ...					4.42	8.11	3.43	1.30	3.79	2.31	
March .....					4.68	1.53	4.64	2.73	1.40	3.21	
April .....					.80	1.10	2.65	.97	1.09	3.83	
May .....					2.16	1.60	5.12	3.49	3.82	1.70	
June .....					.92	1.50	2.37	1.68	.78	1.04	
July .....					2.85	3.70	6.24	1.60	7.07	.81	
August .....					2.91	2.82	3.97	10.47	3.95	2.78	
September ..					.95	1.63	1.84	1.81	3.69	1.98	
October ...					4.40	6.55	6.34	3.39	3.03	2.42	
November ..					5.44	2.04	6.81	3.20	2.57	5.02	
December...					8.41	8.14	5.76	.83	2.36	7.69	
TOTALS ...					39.85	42.97	51.17	33.67	36.90	36.54	

Dwelling House 20 ft high 24 ft N.E.

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	56° 45'	2° 54'	Justinhawth.	H $\frac{1}{2}$ mds	S.			

## RAINFALL at Glenogil Water Works (M)

County of Tipperary.

Observer T.L.Brown Esq.

River Basin South Esk S.C.

Rain Gauge, by Basella.

Diameter ...						5					
Height .....						1 0					
Altitude ...						700					
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...					1.77	4.16					
February ...					4.25	8.44					
March .....					4.52	1.53					
April .....					75	1.14					
May .....					2.11	1.57					
June .....					.98	1.46					
July .....					2.73	3.75					
August .....					2.86	2.87					
September ..					1.05	1.59					
October ...					4.34	6.47					
November ..					5.35	2.04					
December...					9.05	8.14					
TOTALS ...					39.79	43.16	NR.				

1914 House 20 ft. high 24 ft. N.E.

Date.	Lat. N.	Long. W.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
	56.45°	2.54°	Justinchurch	4½ m.	S.			

## RAINFALL at Glenogil Water Works

County of Forfar

Observer T. P. Brown Esq.

River Basin South Esk &amp; G. 3

1922 D. H. Shaw Esq.  
1924 T. A. Hogg Esq.M.O. pattern Rain Gauge, by  
(125)

Burgh Encl Arbroath

Diameter ...	5"			5"							
Height .....	1	0		1.0							
Altitude ...	700		770	770							
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEDIAN
January ...	4.00	3.34	7.12	3.17	4.41	2.89	7.23	3.21	7.23	2.49	3.46
February ...	2.99	1.16	4.94	11.12	2.12	7.22	6.63	2.06	2.44	4.13	2.46
March .....	2.93	2.81	3.04	2.12	1.04	1.48	1.95	3.95	6.85	1.18	1.73
April .....	3.08	1.41	2.29	4.24	2.19	3.62	3.05	1.67	1.75	1.27	2.87
May .....	4.72	3.72	.98	2.30	5.71	5.24	2.67	2.60	1.33	2.55	2.98
June .....	.96	1.42	1.71	1.19	2.23	3.4	3.49	4.50	3.17	2.66	2.88
July .....	3.18	3.16	3.80	2.35	6.63	2.64	2.62	2.84	2.20	3.95	2.76
August .....	3.43	4.78	2.53	5.79	3.87	3.94	2.44	5.47	6.60	5.95	6.35
September...	3.04	1.60	3.80	3.05	5.20	2.98	4.39	4.58	3.65	1.76	6.41
October.....	5.69	2.80	1.68	3.71	4.82	3.58	6.51	6.58	4.15	3.96	3.99
November...	3.66	3.77	2.01	3.18	3.34	1.62	7.50	4.18	3.78	4.60	4.23
December...	5.41	2.21	2.99	5.52	5.22	2.78	.57	3.30	4.72	7.41	4.88
TOTALS...	43.09	31.19	36.29	47.74	46.78	38.33	49.05	44.94	47.87	39.91	44.49
	D	D	D	D	D	D	D	D	D	D	D

Position of Station on reduced Ordnance Survey Map, 2 miles to 1 inch Series } No. of Map \_\_\_\_\_ Reference No. \_\_\_\_\_

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge
1920	56° 45'	2° 52'	Gustinhough	3/2 mi S.			
1925	56° 46'	2° 55'	Jannadice	5 m	S	Jannadice	5 m

## RAINFALL at Glenogil Water Works

County of Forfar

Observer D. H. Shaw Esq.

River Basin South Esk c 3

Y. A. Hogg Esq. 1924.

M. O. Rain Gauge, by

## Monthly Gauge

Diameter ...	5-		5								
Height .....	1		0								
Altitude ...	770		770								
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...	6.83	3.23	4.49	2.82	7.44						
February ...	4.86	10.85	2.10	7.15	6.57						
March .....	3.03	2.10	1.01	1.45	1.97						
April.....	2.31	4.21	2.15	3.59	2.98						
May .....	.86	2.67	5.67	5.18	2.69						
June .....	1.69	1.22	2.22	1.34	3.42						
July .....	3.36	2.33	6.62	2.58	2.61						
August .....	2.31	5.76	3.78	3.92	2.45						
September...	3.88	3.01	5.18	2.93	4.31						
October.....	1.70	3.72	4.28	3.48	6.41						
November...	1.93	3.10	3.28	1.60	7.48						
December...	2.87	5.63	5.21	2.65	.55						
TOTALS...		35.63	44.83	46.59	37.69	48.88	X				

1923 N.P. check gauge.

1924 "

1925 "

Position of Station on reduced Ordnance Survey } No. of Map  
Map, 2 miles to 1 inch Series }

Reference No. \_\_\_\_\_

Date.	Lat. N.	Long. W.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1923	56° 46' 25"							

## RAINFALL at

Glenogle waterworks

County of Angus (Forfar.)

Observer G.A. Hogg, C.S.

River Basin 3-South Park &amp;c.

W.A. Turner, Esq., C.E.

Type of Gauge M.O.

Annual Average 40.9 in. based on 14 years obs. un-weighted. Period of average 1881-1915. Ref. S

Diameter	5	Height	1.0	Altitude	770	Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	4.30	3.50	3.66	2.62	.59	5.22	7.73	5.94	4.37	2.47							
February	2.33	2.32	4.72	.19	2.69	4.25	4.94	1.98	4.25	2.90							
March	1.46	3.93	3.05	3.18	2.27	3.28	4.69	.68	3.14	2.96							
April	2.69	3.52	2.00	4.19	5.08	8.7	2.09	.20	.91	2.17							
May	4.96	4.59	1.50	3.17	1.32	1.19	2.35	4.67	1.85	1.40							
June	4.47	.94	1.41	1.00	3.94	1.68	2.14	3.95	1.84	.11							
July	4.12	5.08	4.19	4.57	2.13	4.09	6.50	7.17	4.73	6.41							
August	3.34	1.27	1.27	4.49	2.00	1.93	3.89	2.62	2.85	.69							
September	1.09	1.59	2.42	4.86	5.51	4.55	1.20	4.15	2.18	2.42							
October	1.12	7.28	4.74	4.95	7.17	1.93	2.62	4.86	7.41	5.89							
November	5.16	2.26	5.10	.94	6.08	2.59	.56	5.59	6.66	7.05							
December	2.07	5.38	1.94	9.34	3.49	3.02	3.90	3.70	2.82	2.46							
TOTALS	40.11	39.66	36.00	43.50	43.27	34.60	42.64	45.51	42.01	36.93							
	D	D	D	D	D	D	D	D	D	D							

Position of Station on reduced Ordnance Survey Map. } No. of Map..... Reference No.....  
1 mile to 1 inch Series

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1931.			Tannadice Colliston	5 miles 2m.	SE N.	Tannadice Colliston	5 m. $\frac{3}{4}$ m.	E W.

Station No.....

5605

## RAINFALL at

Glenogil Waterworks

41

County of Angus (Fife) Observer W.A. Turner Esq., C.E.

River Basin 3 - South Esk &amp;c. G. Ruthven Esq. (1942)

Type of Gauge (M)

J.B. Scott, Burgh Engineer, 1946

G. Ruthven Esq. (1942)

Annual Average 40.9 in. based on 14 years obs. unweighted. Period of average 1881 - 1915. Ref. S.

File No.

Diameter	5"		X			856	352				
Height	1' 0"							1			
Altitude	716			696				41			
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	3.90	5.90	5.41	2.80	3.43	2.94	4.19	6.91	1.96	2.47	
February	5.93	2.73	2.05	0.87	3.38	1.53	4.10	3.81	2.12	3.68	
March	1.85	2.79	0.61	0.77	1.17	2.82	4.42	1.14	2.42	2.46	
April	2.58	1.77	1.59	2.81	1.33	.31	3.78	1.58	2.65	2.46	
May	2.42	5.05	3.53	1.97	5.26	2.31	5.01	4.87	2.05	1.80	
June	1.06	1.22	2.99	2.70	3.47	4.98	3.28	3.75	1.85	1.03	
July	3.40	2.84	1.77	3.04	2.63	6.05	4.52	3.99	1.62	5.50	
August	3.98	4.00	5.22	1.44	3.47	6.24	1.13	7.55	3.22	5.69	
September	1.37	3.69	3.49	2.66	4.00	6.36	3.63	3.31	1.29	7.54	
October	5.08	2.69	4.50	1.77	6.28	4.42	2.46	4.34	4.25	1.54	
November	6.29	0.70	1.68	2.18	5.20	2.05	8.89	2.63	1.84	4.75	3.60
December	1.75	4.62	1.59	1.07	2.50	6.28	4.68	2.16	5.60	3.20	1.48
TOTALS	39.61	38.00	34.43	24.44	42.75	47.53	40.31	48.69	31.38	39.25	

944 n.p.l.s. Gauge not in very good condition & sheltered by nearby trees. - to be continued as monthly check to new gauge set up N.

Oct. 1945 New gauge - 15 yards West of old site. Old gauge continued as monthly check. Altitude now found to be 690 feet.

00034 43544

EST 64R  
1967

Position of Station on reduced Ordnance Survey Map. No. of Map..... Reference No.....

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge
1941			Tannadice	5m	SE	Tannadice	5m
1943			Tannadice			Tannadice	S

Station No. 5605

51

## RAINFALL at Glenogil (Waterworks)

County of Angus (Forfar)

Observer Burgh Engineer, Arbroath

River Basin South Esk &amp; C-3

G.H. Rodger

Type of Gauge A.A. Standard

Annual Average 40.9 in. based on 14 years obs. un-weighted. Period of average 1881-1915 Ref. S

48

File No.

Diameter	5.5"				856	352					
Height	1' 6"						1				
Altitude	690'						51				
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	3.48	1.80	0.78	2.03	1.66	4.58	4.66	3.97	2.13	4.88	
February	4.06	0.78	1.12	4.25	2.59	1.66	4.19	2.82	0.52	3.98	
March	1.76	5.33	0.63	2.56	1.60	2.55	3.92	6.20	2.69	3.21	
April	2.39	1.24	3.30	1.11	1.00	1.21	1.31	1.15	2.66	3.20	
May	1.67	3.26	1.96	5.46	2.18	.97	2.44	3.68	1.14	1.96	
June	2.43	2.57	2.47	2.30	1.65	3.29	1.98	3.04	3.30	2.52	
July	3.78	2.50	3.94	2.72	1.12	5.14	6.79	4.83	3.52	3.67	
August	5.32	3.87	2.42	3.56	.66	6.87	4.87	3.82	1.05	5.13	
September	2.28	1.04	3.28	3.37	1.66	4.78	2.85	3.94	0.73	2.25	
October	0.80	3.82	1.68	6.87	2.21	2.72	2.01	2.64	4.01	10.61	
November	10.13	2.66	3.09	7.84	2.68	.83	1.70	1.19	7.45	4.92	
December	3.17	2.96	4.58	3.96	6.71	5.33	5.64	5.78	8.15	2.66	
TOTALS	41.27	31.80	29.25	45.97	25.72	39.63	42.36	43.06	37.35	48.99	
	D	D	D	D	D	Imprecise	D	D	D	D	

Ins. Nov 1956. G. in poor condition. No inner can. Uses jar holding about 1". No bottom G. outer can G. leaking where round joins vertical. Neg. etc. Excellent site. A Bradford check g. sited 2' from daily. Leaking badly and should be repaired.

1957. April the gauge installed in site 3/2C N.E. of monthly daily gauge  
as per 1956.

Position of Station on Ordnance One-Inch map : No. of Map ..... National Grid Reference 371445625

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge.
1951			Fairmuir	3 1/2 mi	SE	Fairmuir	3 1/2 mi SE

Summary of Earlier Records from 10-year Sheets :

Record D. or d		1910-19	1920-30	1931-40	1941-50	1951-60
		C 1914	✓	✓	✓ np 144	✓ but 142, 42, 48-49
		D 1415.17-19	✓	✓		

## Air Ministry, Meteorological Office

Station No.

5605/1

RAINFALL at Glenogil W.W.County of Angus.

Observer

Brough Engineer

River Basin South Esk &amp; C - 3.

Type of Gauge

Annual Average \_\_\_\_\_ in. based on \_\_\_\_\_ years obs. un-weighted. Period of average

Ref.

File No.

Diameter	...	5"
Height	...	10"
Altitude	...	690'
Year	1951 1952 1953 1954 1955 1956 1957 1958 1959 1960	Means
January	...	163 11.53 Jan 4.01 2.10
February	...	2.44 1.60 4.24 2.63 0.50
March	...	1.73 2.58 388 6.18 2.60
April	...	0.99 1.17 130 1.13 2.60
May	...	2.12 0.97 242 3.60 1.15
June	...	1.67 3.24 200 3.30 3.15
July	...	1.10 5.12 6.76 4.81 3.40
August	...	0.64 6.55 4.85 3.57 1.01
September	...	1.64 4.75 2.83 3.97 0.72
October	...	2.20 2.66 1.98 2.60 3.94
November	...	2.61 0.78 1.67 1.15 7.33
December	...	6.88 5.37 5.16 5.67 7.87
TOTALS	...	2545.926 Jan 42.62 36.37 n.p. n.p.

1958 n.p. check.

1959 Eliminated w.e.f. 21/4/59

Entered by Metob. 1/7/67

Position of Station on Ordnance One-Inch map:

No. of Map 50

National Grid Reference

37/445625

Date	Lat. N.	Long.	Railway Station	Distance from gauge	Parish Church	Distance from gauge

Summary of Earlier Records from 10-year Sheets:

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	C 1958.				