

RAINFALL at Glenogil Water Works. (D).County of ForfarObserver J. L. Brown. Esq.River Basin South Esk &c. 3.J. L. 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	3.45	
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	
April80	1.16	2.65	.97	1.09	3.83	
May					2.16	1.60	5.12	3.49	3.82	1.70	
June92	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	5.81	3.20	2.57	5.02	
December...					8.41	8.14	5.76	.83	2.36	7.49	
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'	Justinhaugh.	4 1/2 mls	S.			

RAINFALL at Glenogil Water Works (M)County of Torfar.Observer J. L. Brown, Esq.River Basin South Esk & 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					
April75	1.14					
May					2.11	1.57					
June98	1.46					
July					2.73	3.75					
August					2.86	2.87					
September ..					1.05	1.59					
October ...					4.37	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'	Justinbrough	4½ m.	S.			

RAINFALL at Glenagil Water WorksCounty of ForfarObserver J. L. Brown Esq.River Basin South Esk & C 31922 D. H. Shaw Esq.1924 F. A. Hagg Esq.M.O. Patterson Rain Gauge, by
(125)Brough Esq. Arbroath

Diameter ...	5"		5"								
Height	1 0		1 0								
Altitude ...	700		770	770							
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEAN.
January ...	4.00	3.34	7.12	3.17	4.41	2.89	7.23	3.21	7.23	2.49	3.45
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	.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
June96	.42	1.71	1.19	2.23	.34	3.49	4.50	3.17	2.66	2.88
July	3.18	3.16	3.30	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	.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	4.38
TOTALS...	43.09	31.19	36.29	47.74	46.78	38.33	49.05	44.94	47.87	39.91	44.49

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 from gauge	Parish Church.	Distance from gauge	Direction from gauge
1920	56° 45'	2° 54'	Glenagilhaugh	3 1/2 mi	S.			
1925	56° 46'	2° 55'	Lanadice	5 m	S	Lanadice	5 m	S

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	1	0					
Altitude ...			77	0	77	0					
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				
May86	2.67	5.67	5.18	2.69				
June			1.69	1.22	2.22	3.4	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	4.88	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	#			

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'	2° 55'						

RAINFALL at Glenpie WaterworksCounty of Angus (Forfar) Observer Y.A. Hogg, C.E.River Basin South Esk &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	1.59	5.22	7.73	5.94	4.37	2.47	
February	2.33	3.2	4.72	1.9	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	6.8	3.14	2.96	
April	2.69	3.52	2.00	4.19	5.08	8.7	2.09	2.0	9.1	2.17	
May	4.96	4.59	1.50	3.17	1.32	1.19	2.35	4.67	1.35	1.40	
June	4.47	9.4	1.41	1.00	3.94	1.68	2.17	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	3.51	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	2.22	2.46	
TOTALS	40.11	39.66	36.00	43.50	42.27	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 Collieston	5 miles 2m.	SE N.	Tannadice Collieston	5 m. 3/4 m.	E W.

Station No.

5605

RAINFALL at

Glenogil Waterworks

41

County of

Cirencester (Fosfar)

Observer

W.A. Tucker Esq., C.E.

River Basin

3- South East & E.

Type of Gauge

(M)

J.B. Scott Esq.,

Burgh Engineers, 1946

(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	710'				690'			41				
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means	
January	3.90	5.90	5.41	5.00	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	2.69	5.26	2.31	5.01	4.87	2.05	1.80		
June	1.06	1.22	2.99	3.30	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	.13	7.55	3.22	5.69		
September	1.37	3.69	3.49	3.19	4.00	6.36	3.63	3.31	1.29	7.54		
October	5.08	2.69	4.50	6.10	6.28	4.2	2.46	4.34	4.25	1.54		
November	6.29	0.70	1.68	5.20	2.05	8.89	2.63	1.84	4.75	3.60		
December	1.75	4.62	1.59	2.50	6.28	4.68	2.16	5.60	3.20	1.48		
TOTALS	39.61	38.00	34.43	34.99	42.75	47.53	40.31	48.69	31.38	39.25		

944 n.p. End. Gauge not in very good condition & sheltered by nearby trees - to be continued as monthly check to new gauge set at 100 ft. N.

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

00034 43544

Est E.H.K.
1967

Position of Station on reduced Ordnance Survey Map, 1 mile to 1 inch Series

No. of Map

Reference No.

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

BRITISH RAINFALL ORGANIZATION

Station No. 5605RAINFALL at Glenogil (Waterworks) 51County of Angus (Forfar) Observer Bugh Engineer, Perth.River Basin South Esk & E-3Type of Gauge 40 S. S. S. S. S.Annual Average 40.9 in. based on 14 years obs. un-weighted. Period of average 1881-1915 Ref. 5File No. 608

Diameter ...	5 5/8"				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	2.50	1.60	2.35	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	6.99	4.83	3.52	3.67	
August ...	5.32	3.84	2.42	3.56	.66	6.67	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	48.94	
	D	D	D	D	D	D	D	D	D	D	

Ins. No. 5156. G. in poor condition. No. 10000 can. uses jar holding about 1". No bottom 6 inches can. G. leaning where joint joins vertical. No. 9. etc. Excellent site. A Bradford check g. sited 2' from dash. Leaking badly and should be repaired.

1957. April this gauge installed in site, 3ft N.E. of monthly check gauge.
as new 1956.

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference 37/445625

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

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	<u>C 1914</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>
	<u>D 1415.17-A</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>

Station No.

5605/1

RAINFALL at Glenogil W.W. c.g.County of Angus.

Observer

Brough EngineerRiver Basin South Est. & C-3.

Type of Gauge

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

Ref.

File No.

Diameter ...								5"			
Height ...								1' 0"			
Altitude ...								690'			
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...					1.63	4.53	1.00	4.01	2.10		
February ...					2.44	1.60	4.24	2.63	0.50		
March ...					1.73	2.58	3.88	6.18	2.60		
April ...					0.99	1.17	1.30	1.13	2.60		
May ...					2.12	0.99	2.42	3.60	1.15		
June ...					1.67	3.24	2.00	3.30	3.15		
July ...					1.10	5.12	6.70	4.81	3.40		
August ...					2.64	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 ...					6.68	5.37	5.16	5.67	7.87		
TOTALS ...					25.45	7.26	1.00	42.62	36.37		
								n.p.	n.p.		

1958 n.p. check.

1959

1961 terminated use of 2/12/60

Entered by Mulo E. 11/7/67

Position of Station on Ordnance One-Inch map:

No. of Map 50

National Grid Reference

37/445625

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