

## RAINFALL AT Ardsley Reservoir N. Potts

Lat.

Long.

County of York W.R. Central

Snowdon Rain Gauge, by

Observer C. Clemens Smith Esq. CL.

Area 7 miles 8

Diameter ..	5										
Height ..	1.0							1.2			
Altitude ..	395 T										K
Year ..	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..	3.14	1.49	1.45	1.78	2.32	.61	3.33	.80	1.40	1.12	1.744
February ..	3.96	1.49	1.34	1.72	3.98	.86	1.69	1.01	1.16	.70	1.791
March ..	.61	1.38	.73	3.07	2.10	2.04	1.58	1.63	3.27	2.81	1.922
April ..	.74	1.68	1.71	1.31	1.43	2.07	.53	1.25	2.28	2.22	1.522
May ..	1.35	1.44	2.79	3.26	2.70	.59	1.73	3.12	2.11	1.99	2.108
June ..	2.51	.82	2.12	1.61	.80	2.41	1.68	3.26	1.10	3.32	1.963
July ..	4.37	2.56	1.91	2.71	1.39	1.25	1.33	2.55	2.77	3.31	2.415
August ..	4.76	1.34	4.13	2.39	3.52	5.15	2.57	1.42	2.03	2.48	2.979
September ..	.29	.88	1.16	2.90	.61	1.45	.64	.62	2.06	1.86	1.247
October ..	3.31	1.81	2.54	7.84	.41	1.77	4.53	5.17	1.26	1.81	2.995
November ..	2.39	4.07	1.78	1.39	1.25	3.44	3.19	2.46	1.11	.38	2.146
December ..	2.84	4.58	1.73	1.10	1.51	.42	2.17	1.93	1.11	4.22	2.161
TOTALS ..	30.27	23.54	23.39	30.58	22.02	22.06	24.97	25.22	21.66	26.22	24.993 ✓ Hub

1900 Cottage 20 ft high 99 ft S

Ardsley Station

+ Inspected

RAINFALL at Ardsley Reservoir

No.

County of W.R. YorkshireObserver C. Clemencia Smith EsqRiver Basin Thames - Ouse - Calder SSmardon Rain Gauge, by \_\_\_\_\_

Diameter ..	5											
Height .....	1.2											
Altitude ...	395 ft											
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919		MEANS.
January ...	2.17	.73	3.71	2.61	1.34	3.02	1.02		1.47	3.60		
February ...	1.72	1.57	1.58	.75	1.39	2.86	3.94		2.52	3.06		
March .....	.33	.86	2.52	2.79	2.36	.95	4.15		1.26	3.70		
April .....	1.95	.71	.38	2.68	.76	.68	1.09		1.07	1.77		
May .....	2.04	.61	3.62	2.15	1.04	1.95	2.51		2.42	1.47		
June.....	2.24	3.34	4.15	.87	2.01	6.59	1.47		1.61	.67		
July .....	2.90	.20	4.36	1.01	3.41	2.97	1.25		3.80	2.80		
August .....	3.66	1.69	6.07	1.28	2.31	2.76	1.63		2.02	2.51		
September ..	.18	2.53	1.23	1.71	1.03	.55	1.90		6.64	.72		
October ...	2.78	2.15	2.84	3.37	2.08	1.17	3.85		1.84	2.81		
November ..	3.63	2.58	1.54	1.93	2.61	1.78	3.11		1.10	1.80		
December ...	2.84	3.14	1.88	1.53	5.21	6.16	2.19		4.49	3.41		
TOTALS ...	26.44	20.13	33.86	22.68	15.55	27.44	28.11	23.33	30.24	29.82		
	2	2	2	2	2	2	2	2	2	2		

+ Inspected

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			Ardsley					

RAINFALL at Andesley Reservoir No 2County of W.R. YorkshireObserver C Clunesha Smith Esq. C.E.River Basin Once On Calder

9

Rain Gauge, by \_\_\_\_\_

Diameter ...					5						
Height .....					1.2						
Altitude ...					326						
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...				2.80	1.35	3.13	1.01	2.18	1.60	3.61	
February ...				.75	1.36	3.00	4.24	.60	2.58	2.18	
March .....				2.82	2.27	.99	4.46	2.15	1.32	3.96	
April .....				2.64	.74	.71	1.11	1.62	1.09	1.81	
May .....				2.10	1.05	2.02	2.55	2.61	2.47	1.84	
June.....				.94	2.04	1.51	1.58	1.58	1.60	.69	
July .....				1.02	3.53	3.97	1.23	1.13	3.88	2.72	
August.....				1.23	2.28	2.94	1.64	4.87	2.10	2.51	
September ..				1.71	1.80	.54	1.94	.54	6.63	.72	
October ...				3.33	2.14	1.14	3.97	3.62	1.83	2.68	
November..				1.91	2.68	1.94	3.13	1.48	1.05	1.85	
December...				1.57	5.24	6.26	2.22	1.63	4.78	3.82	
TOTALS ...				22.92	256.8	28.15	29.08	24.01	30.93	27.86	

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			<i>Andesley</i>					

## RAINFALL at Ardsley Reservoir No 1.

County of W. R. Yorkshire Observer G. Clemesha Smith Esq.

River Basin Case Aire Calder S Engineer Waterworks

Snowdon Rain Gauge, by \_\_\_\_\_

Diameter ...	5"										
Height .....	1	2									
Altitude ...	395'										
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	MEANS.
January ...	2.67	3.36	2.91	1.33	1.62	2.18	1.98	1.77	4.62	1.70	3.73
February ...	1.96	1.13	2.51	4.05	1.90	3.85	2.18	1.92	2.65	1.55	.71
March .....	1.72	.88	1.59	1.59	.89	.89	.58	1.97	1.96	.27	2.62
April .....	3.08	.82	2.81	1.72	1.38	3.07	1.33	2.50	.71	1.04	2.11
May .....	3.13	1.05	.88	3.05	3.92	3.80	2.29	1.83	2.33	1.21	1.39
June .....	1.64	.12	1.61	.77	2.32	.04	3.13	1.83	3.56	.99	1.49
July .....	6.24	.45	3.47	5.42	2.65	.48	2.12	3.97	.32	2.27	4.76
August .....	1.65	3.65	5.03	2.78	2.38	2.73	3.18	5.89	3.44	2.64	3.35
September...	.87	.92	2.96	1.82	2.88	2.66	1.25	3.37	.26	.69	3.75
October.....	2.03	1.42	.74	2.00	3.38	2.62	2.54	2.22	4.48	2.17	2.64
November...	1.08	2.24	1.18	2.57	1.86	1.81	3.63	3.18	7.83	4.22	2.78
December...	2.59	2.90	3.03	2.71	2.30	3.10	.88	2.55	1.33	4.62	2.03
TOTALS...	28.66	17.94	28.72	29.91	26.48	27.53	25.13	32.00	29.49	22.37	31.89
	D	D	D	D	P	D	D	D	P	D	D

Inspected 10.8.31 by Dr. Glasspole - see green file.

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

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge	Direction
1920			Ardsley					

## RAINFALL at Andsley Reservoir No. 2.

County of N. R. Yorkshire Observer G. Glencsha Smith Esq. C.E.

River Basin Ure-Aire-Garder S. Engi. Wakefield

Swinder Rain Gauge, by

Diameter ...	5"										
Height .....	1 2										
Altitude ...	326										
Year .....	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.
January ...	2.95	3.50	2.93	1.41	1.61	2.21	2.14	1.82	4.61	1.72	3.79
February ...	2.10	1.13	2.56	4.15	.99	3.86	2.21	.94	2.73	.54	.71
March .....	1.89	.86	1.65	1.59	.88	.89	.59	1.97	1.92	.26	2.74
April.....	3.08	.94	2.85	1.72	1.37	2.93	1.27	2.41	.75	1.05	2.12
May .....	3.15	1.06	.89	3.05	3.80	3.83	2.42	1.85	2.30	1.26	1.38
June .....	1.63	.72	1.67	.77	2.20	.04	3.18	1.90	3.61	1.01	1.28
July .....	6.13	.47	3.57	5.44	2.68	.80	2.17	3.94	.32	2.20	4.75
August .....	1.60	3.79	5.14	2.86	2.39	2.79	3.27	5.72	3.48	2.60	3.30
September...	.88	.87	2.94	1.85	3.00	2.74	1.22	3.34	.26	.71	3.74
October.....	2.01	1.43	.76	2.00	3.39	2.66	2.63	2.14	4.52	2.13	2.67
November...	1.01	2.14	1.24	2.58	1.90	1.83	3.66	3.20	3.81	4.27	2.74
December...	2.60	3.06	3.21	2.67	2.32	3.21	.92	2.47	1.34	4.62	2.00
TOTALS...	29.03	18.33	29.41	30.09	26.53	27.79	25.68	31.70	29.65	22.37	31.22
	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪

Inspected 10.8.31 by Dr. Glasspoole - see green file.

Position of Station on reduced Ordnance Survey Map, 2 miles 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
1920			Andsley				

## RAINFALL at Ardsley Reservoir No.1. Upper (1937)

County of West Ridings.

Observer C. Clemesha Smith, Esq., C.E.

River Basin Ouse-Aire-Calder-8.

Wakefield Corp. W.W.

Type of Gauge

25.4

8

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

Dated 1X. 40.

Ref. \$

End. 884

666310/26

Diameter	5.										
Height	1.2.										
Altitude	395.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means Totals
January	1.90	1.61	1.85	1.56	1.13	2.93	3.46	2.10	4.01	2.47	23.02
February	2.53	1.83	1.27	1.28	2.26	2.63	4.13	1.96	1.05	2.79	18.23
March	1.39	1.60	2.00	1.71	1.86	1.87	2.20	1.28	1.64	1.90	14.45
April	3.40	1.90	1.59	2.25	4.49	1.36	2.56	1.07	1.28	2.10	21.00
May	2.58	5.15	2.73	1.01	1.60	1.59	2.91	3.28	1.68	3.2	21.85
June	5.75	1.24	1.64	1.90	1.99	3.96	1.36	1.79	1.54	1.66	20.83
July	3.15	2.81	2.13	1.52	1.56	3.02	2.62	3.55	5.47	3.77	28.60
August	4.24	1.20	0.88	1.94	1.76	1.61	1.92	3.56	1.96	1.39	15.96
September	3.75	1.60	1.59	2.37	4.78	2.80	1.39	2.53	1.22	1.93	23.96
October	1.88	3.21	3.39	1.85	5.31	2.17	2.47	3.93	2.33	3.44	29.18
November	3.61	1.22	1.69	2.05	4.67	3.16	2.10	3.24	3.34	4.24	29.32
December	1.97	1.71	0.44	4.14	2.28	1.29	1.44	2.73	1.57	1.47	17.54
TOTALS	33.15	21.78	20.70	21.58	30.69	28.39	28.06	28.02	26.09	25.48	263.94
	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

BRITISH RAINFALL ORGANIZATION, EXHIBITION ROAD, LONDON, S.W.7.

3247  
31

**RAINFALL at Ardsley Reservoir No 2 Lower (1932)**

County of West Riding Observer C. Clemensha Smith, Esq., C.E.

Observer C. Clemesha Smith, Esq., C.E.

River Basin. Ouse-Aire-Calder-8. Wakefield Corpn. W.W.

Wakefield Corp., W. W.

Type of Gauge.....

Annual Average 23.8 in. based on 17 years obs. un-weighted. Period of average 1881-1895

Ref. S-116

666 310/26

Diameter	5.									
Height	1.2.									
Altitude	326.									
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940 Means
January	1.95	1.63	1.89							
February	2.55	.54	2.34							
March	.44	1.59	2.06							
April	3.43	2.02	1.66							
May	2.50	5.22	2.45							
June	5.68	.24	1.60							
July	3.06	2.80	2.13							
August	4.06	1.21	0.43							
September	2.75	1.58	1.61							
October	.89	3.38	3.31							
November	3.56	1.24	1.72							
December	1.04	.74	0.48							
TOTALS	32.91	21.99	21.73							
	P	P	3							

#T Enc 52A-1666310/26

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

Station No. 3246 T.F.

## RAINFALL at Andaley Reservoir (Upper)

41

County of West Riding

Observer

Wakefield, Castle, W.W.

River Basin Ouse - Aire - Calder - 8

Type of Gauge

Annual Average 25.4 in. based on 8 years obs. un-weighted. Period of average 1881 - 1915. Ref. Enclosure 8A in F.

File No. 666310/26

Diameter	5"	5"		080	185						
Height	1' 2"	9"	1 2		1						
Altitude	395	392'	395		41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means Total
January	3.08	2.00	3.03	2.61	2.36	1.75	1.74	5.54	.95	1.25	24.31
February	3.28	.81	.73	.97	1.99	2.46	3.04	1.65	1.15	4.84	20.42
March	3.23	1.52	.46	.12	.28	1.19	4.12	.93	.96	1.34	14.15
April	1.82	1.07	1.03	1.66	1.42	1.81	2.06	1.78	2.13	3.30	19.58
May	1.38	2.30	2.08	1.29	3.64	1.78	3.93	1.02	1.66	1.93	21.01
June	.35	1.10	1.26	1.63	2.10	1.43	2.64	3.28	.74	.89	15.43
July	1.65	1.36	1.41	2.38	1.59	2.91	1.70	.92	3.44	2.02	19.41
August	3.04	2.38	2.21	2.83	2.14	3.64	.24	3.33	1.99	3.50	25.30
September	.39	1.33	3.02	3.54	1.47	3.36	1.20	.99	1.26	2.82	19.38
October	2.62	2.11	1.54	2.15	3.27	.55	.93	1.14	2.81	1.28	18.35
November	2.76	1.33	1.65	4.25	.34	3.33	2.14	.73	3.90	4.10	24.58
December	.51	1.54	1.16	2.27	1.32	1.72	2.23	1.96	3.10	1.38	17.19
TOTALS	24.11	18.86	19.58	25.70	21.92	35.43	25.97	23.27	24.12	28.15	237.11

In 1946 change moved from E to W. scale of reservoir ref. later 24.11.42. f. 866310/26  
(3/8 mi. W.).

low

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	Parish Church.	Distance from gauge

Station No. 32461, T.F.

## RAINFALL at Ardley Reservoir (check gauge)

41

County of West Riding

Observer Wakefield Copper W.W.

River Basin &amp; Cuse - Rite - Calder

Type of Gauge M.O.

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

Ref.....

File No. 666310/26

Diameter			080	184				5"			
Height					1						
Altitude					41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January								5.52	.94	1.28	
February								1.65	1.18	4.41	
March								.94	.99	1.36	
April								1.81	2.15	3.33	
May								1.04	1.64	1.94	
June								3.34	.75	.89	
July								.94	3.53	2.03	
August								3.42	2.02	3.61	
September								1.00	1.26	2.85	
October								1.15	2.82	1.23	
November								.73	3.91	4.22	
December								1.97	3.11	1.38	
TOTALS								23.51	24.36	28.43	
								n.p.d.	D.n.p.	D.n.p.	

1948 np check.

1949 np check.

1950 np check.

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	Parish Church.	Distance from gauge	Direction

Station No. 2246

51

RAINFALL at Ogden Reservoir (Upper)

County of West Riding - Yorks.

Observer Wakefield Corp. W.W.River Basin, Quae - Nine - Calder.

Type of Gauge. H.O. 4080/46

Annual Average 25.4 in. based on 8 years obs. un-weighted. Period of average 1881-1915 Ref England & Wales  
 " " 26.02 " 41 " with 1916-50 " " " S  
 File No. 666310726

Diameter	5"	080	185								
Height	1' 2"	9"	1' 0"		52 1090	9					
Altitude	395'		51								
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	2.09	1.91	.82	2.11	1.81	3.59	1.24	2.03	2.37	4.83	22.80
February	2.70	.59	1.78	2.19	2.27	1.28	2.57	4.25	1.13	1.32	19.08
March	2.97	1.73	.81	1.68	2.37	.75	1.56	1.61	1.02	2.01	16.51
April	.94	1.21	1.97	.28	.57	2.56	.13	.38	3.89	.79	12.72
May	4.44	1.54	1.75	2.82	2.64	.70	1.05	2.87	.90	1.16	19.87
June	.70	1.85	2.33	1.25	1.42	2.35	1.25	4.01	1.75	1.02	17.93
July	2.65	1.19	2.73	1.64	.67	4.27	3.59	4.31	1.69	2.81	25.55
August	4.67	2.23	2.96	5.09	.44	6.12	4.37	2.56	.40	4.98	33.82
September	2.17	1.47	1.52	2.53	1.33	2.92	3.89	2.42	.25	3.67	22.17
October	.88	3.55	1.74	3.50	1.71	1.29	1.23	1.31	1.88	6.35	23.44
November	6.29	1.26	2.22	3.96	1.78	.66	1.74	.89	3.04	4.70	26.54
December	2.46	1.94	1.21	2.70	2.84	2.65	3.01	3.42	3.17	2.80	26.20
TOTALS	32.96	20.47	21.84	29.45	19.85	29.14	25.63	30.06	20.49	36.84	266.63
	D	D	D	D	D	D	D	D	D	D	

15' 4" imp M. Bleasdale 7/5" Gauge in excellent condition. (Hod. the N.W. by slight rise + well 3' 6" 7-8" away.  
 S exp. 10 E (over marsh) and 1' hedge protects from 3' drop. Building 10°. 305.5 W. ground area 1000 ft.

## Responsible Officer

Position of Station on Ordnance One-Inch map : No. of Map ..... National Grid Reference S 514 724

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

## Summary of Earlier Records from 10-year Sheets :

	1910-19	1920-30	1931-40	1941-50	1951-60
Record D, or d	✓ 9. 1917	✓	✓	✓ np +6	
	✓	✓	✓	✓	

Station No. 3246 / TR 43

51

## RAINFALL at Ardsley Reservoir (check gauge)

County of West Riding - Yorks. Observer Blackfield Corpn. W.W.

River Basin. Ouse - Aire - Calder - 8

Type of Gauge. A.D.

Annual Average in. based on years obs. un-weighted. Period of average. Ref. S.  
" 25.98 " 10 " 1948-57 " " 1916-59 File No. 366310/24

Diameter ...	5'		080	184							
Height ...				1	1' 0"						
Altitude ...				57	395'						
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January	2.10	1.95	.83	2.14	1.84	3.61	1.24	2.03	2.34	4.49	
February	2.70	.59	1.81	2.22	2.35	1.28	2.60	4.33	.13	1.62	
March	3.03	1.74	.82	1.68	2.39	.75	1.56	1.63	1.02	2.03	
April	.94	1.21	1.99	.28	.57	2.59	.13	.38	3.94	.79	
May	4.49	1.55	1.79	2.82	2.65	.70	1.05	2.93	.90	1.16	
June	.70	1.85	2.34	1.25	1.46	2.37	1.25	4.02	1.75	1.02	
July	2.68	1.20	2.75	1.64	.69	4.34	3.61	4.36	1.69	2.81	
August	4.71	2.23	2.98	5.18	.44	6.22	4.41	2.59	.40	4.98	
September	5.18	1.50	1.52	2.53	1.33	2.93	3.91	2.48	.25	3.67	
October	.88	3.60	1.77	3.56	1.73	1.29	1.23	1.32	1.91	6.35	
November	6.38	1.26	2.26	4.05	1.83	.66	1.77	.89	3.11	4.70	
December	2.50	1.96	1.22	2.75	2.84	2.66	3.01	3.46	3.24	2.80	
TOTALS ...	33.29	20.64	22.07	30.10	20.12	29.40	25.77	30.42	20.68	35.72	
	n.p.	n.p.	n.p.	n.p.	D.n.p.	D.n.p.	n.p.	n.p.	n.p.	n.p.	

1951 n.p. check.

1952 n.p. check.

1953 n.p. check.

1954 n.p. check.

1955 n.p. check.

1956 n.p. check.

1957 n.p. check.

1958 n.p. check.

1959 n.p. check.

1960 n.p. check

*QWV*

Position of Station on Ordnance One-Inch map : No. of Map ..... National Grid Reference SE(44) 781724

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction 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 1948 n.p. 48-50			