

RAINFALL AT Ardsley Reservoir N. B. R.

Lat.

Lon.

County of York W.R. Central

Smother Rain Gauge, by

Observer C. Clemens Smith Esq. C.E.

Disc & bar 8

Diameter ..	5										
Height	1.0						1.2				
Altitude ..	395 ft									ft	
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	1744
February ..	3.96	1.49	1.34	1.72	3.98	.86	1.69	1.01	1.16	.70	1791
March ....	.61	1.38	.73	3.07	2.10	2.04	1.58	1.63	3.27	2.81	1922
April .....	.74	1.68	1.71	1.31	1.43	2.07	.53	1.25	2.28	2.22	1522
May	1.35	1.44	2.79	3.26	2.70	.59	1.73	3.12	2.11	1.99	2108
June	2.51	.82	2.12	1.61	.80	2.41	1.68	3.26	1.10	3.32	1963
July	4.37	2.56	1.91	2.71	1.39	1.25	1.33	2.55	2.77	3.31	2415
August	4.76	1.34	4.13	2.39	3.52	5.15	2.57	1.42	2.03	2.48	2979
September ..	.29	.88	1.16	2.90	.61	1.45	.64	.62	2.06	1.86	1247
October	3.31	1.81	2.54	7.34	.41	1.77	4.53	5.17	1.26	1.81	2995
November ..	2.39	4.07	1.78	1.39	1.25	3.44	3.19	2.46	1.11	.38	2146
December ..	2.84	4.58	1.73	1.10	1.51	.42	2.17	1.93	1.11	4.22	2161
TOTALS ..	30.27	23.54	23.39	30.58	22.02	22.06	24.97	25.22	21.66	26.22	2499

1900 Cottage 20 ft high 99 ft S
Ardsley Station

+ Inspected

RAINFALL at Ardsley Reservoir

No 1

County of W. YorkshiresObserver C. Cheneche Smith EsqRiver Basin Grass. Quire. Calder SSmardon Rain Gauge, by

Diameter ..	5										
Height	1.2										
Altitude ...	395 π										
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	2.06	
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	1.59	1.47		1.61	.67	
July	2.90	.20	4.36	1.01	3.41	3.97	1.25		3.80	2.50	
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	2.51	
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	33.88	22.68	25.55	27.44	28.11	23.33	30.24	27.52	
	2	2	2	2	2	2	2		2	2	

+ Inspected

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

RAINFALL at Ardley Reservoir No. 2County of W. R. Yorkshire Observer C. Chimesha Smith Esq. C.E.River Basin Onne Oni Calder 4

Rain Gauge, by _____

Diameter ...				5							
Height				12							
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	2.13	
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	1.54	
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				1.33	2.28	2.94	1.64	4.87	2.10	2.51	
September ..				1.71	1.50	.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	3.52	
TOTALS ...				22.92	25.68	28.15	29.08	24.01	30.93	27.56	

Date.	Lat. N.	Long.	Railway Station.	Distance.	Direction.	Church.	Distance.	Direction.
			<u>Ardley</u>					

RAINFALL at Ardsley Reservoir No. 1.County of W. YorksObserver G. Glenesha Smith EsqRiver Basin Cuse. Aier. Calder SEngineer WakefieldSnarston Rain Gauge, by _____

Diameter ...	5										
Height	1	2									
Altitude ...	395										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS
January ...	2.67	3.34	2.91	1.33	1.62	2.18	1.98	1.77	4.62	1.70	3.73
February ...	1.96	1.3	2.51	4.05	.90	3.85	2.18	.92	2.65	.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	2.14
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	2.57	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	3.83	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	27.81	26.48	27.53	25.13	32.00	29.49	22.37	31.39
	D	P	D	D	P	D	D	D	P	D	D

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	Parish Church.	Distance from gauge	Direction
1920			Ardsley					

RAINFALL at Ardsley Reservoir No. 2.County of N. Yorks Observer E. Glemesha Smith Esq. B.E.River Basin Case Aire Calder S Eng. WakefieldSwinder 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	1.71
March	1.89	.86	1.65	1.59	.88	.89	.59	1.97	1.92	.26	2.74
April	3.08	.84	2.85	1.72	1.37	2.93	1.27	2.41	.75	1.05	2.12
May	3.10	1.06	.89	3.05	3.80	3.83	2.42	1.85	2.50	1.26	1.38
June	1.63	.12	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	.17	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	1.74	4.62	2.00
TOTALS...	29.03	15.33	29.41	30.09	26.53	27.79	25.68	31.70	29.65	22.37	31.22
	D	D	D	D	D	D	D	D	D	D	D

Inspected 10.8.31 by Dr. Glasspool - 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 Ardley Reservoir No. 1. Upper (1932)County of West RidingObserver C. Clemesha Smith, Esq., C.E.River Basin Duse-Aire-Calder-8.Wakefield Corp. W.W.Type of Gauge 25.4Annual Average 25.4 in. based on 3 years obs. un-weighted. Period of average 1881-1915 Ref. £ End. 88ADepth 1K 40.666310/26

Diameter	5.										
Height	1.2										
Altitude	395.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
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	.83	1.27	.28	2.26	2.63	4.13	.96	1.05	2.79	18.23
March	.39	1.60	2.00	1.71	.86	1.87	2.20	.28	1.64	1.90	14.45
April	3.40	1.90	1.59	2.25	4.49	1.36	2.56	.07	1.28	2.10	21.00
May	2.58	5.15	2.73	1.01	.60	1.59	2.91	3.28	1.68	.32	21.85
June	5.75	.24	1.64	1.90	1.99	3.96	1.36	1.79	1.54	.66	20.83
July	3.15	2.81	2.13	1.52	.56	3.02	2.62	3.55	5.47	3.77	28.60
August	4.24	1.20	0.38	.94	1.76	1.61	.92	3.56	.96	.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	.88	3.41	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	.97	.71	0.44	4.14	2.28	1.29	1.94	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	Parish Church.	Distance from gauge	Direction

RAINFALL at Ardley Reservoir No. 2 Lane (1932)County of West Riding Observer C. Clemesha Smith, Esq., C.E.River Basin Ouse-Aire-Calder-8Wakefield Catchment, W.W.

Type of Gauge.....

Annual Average 23.8 in. based on 17 years obs. un-weighted. Period of average 1881-1915 Ref. S666310/26

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	1.34	2.34								
March	1.44	1.59	2.06								
April	3.43	2.02	1.66								
May	2.50	5.22	2.45								
June	5.63	1.24	1.65								
July	3.06	2.80	2.13								
August	4.06	1.21	0.43								
September	3.75	1.58	1.61								
October	1.89	3.38	3.31								
November	3.56	1.24	1.72								
December	1.04	1.74	0.48								
TOTALS	32.91 D	21.99 D	21.73 J								

#T Enc 52A. 1666310/26.

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

Station No. 3246 T.F.

RAINFALL at Andale Reservoir (Upper)

41

County of West Riding Observer Walsfield Capt W.W.River Basin Ouse - Aire - Calder - S

Type of Gauge

Annual Average 25.4 in. based on 8 years obs. ~~un~~-weighted. Period of average 1881-1915 Ref. EndersbyFile 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 Totals
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	4.34	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	1.31	2.06	1.78	2.13	3.30	17.58
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	1.18	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	3.47	2.02	19.41
August	3.04	2.38	2.21	2.83	2.14	3.64	.24	3.33	1.99	3.50	25.20
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	1.23	18.35
November	2.76	1.33	1.65	4.25	.34	3.33	2.14	.73	3.90	4.15	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	25.43	25.97	23.27	24.12	28.15	237.11

1946 Gauge moved from E. to W. side of reservoir. ref. letter 24.11.42. f. 666310/26
 No low. (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 from gauge	Parish Church.	Distance from gauge.	Direction from gauge.

BRITISH RAINFALL ORGANIZATION

Station No. 3246/1 T.F.

RAINFALL at Ardsley Reservoir (check gauge)

41

County of West Riding Observer Wakefield Cofpu W.W.River Basin 8. Ouse - Rye - CalderType of Gauge H.O.

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

File No. 666.310/26

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	3.81	
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	

1948 np check.

1949 np check.

1950 np check.

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.

BRITISH RAINFALL ORGANIZATION

Station No. 3246

T.S. 43

RAINFALL at Ordley Reservoir (Upper)

51

County of West Riding - Yorks.Observer W. Wakefield Garton, W.D.River Basin Cuse-Pine-CaldenType of Gauge H.O. 4083/48Annual Average 25.4 in. based on 2 years obs. in weighted. Period of average 1881-1915 Ref Cont. 780 file" " 26.02 " " 41 " " 1916-57 " " 1916-50File No. 666310/26

Diameter ...	5"	080	185								
Height ...	1'2"	9"	1	1'0"							
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	.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	5.04	.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	

154 Sup. 11-Bleedale 715 Gauge in excellent condition. Flod. shelter HW by slight rise & well 3' 6" 7-8" aug. Sup. 15 E (over narrow) but 1" ledge protects from 3' drop. Building 10', 20 5/8" w. good note inside

Competition Tank

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference SE(44) 44.7 24.4

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
	✓ 9.1917	✓	✓	✓ 20.46	
	✓	✓	✓	✓	

Station No. 3246/1

T.F. 43

RAINFALL at Ordsley Reservoir (chick gauge)

51

County of West Riding - YorksObserver Wakefield Corpn. W.W.River Basin Case-Aire Calder-8Type of Gauge M.O.Annual Average in. based on years obs. un-weighted. Period of average Ref. S.

" " 25-78 " " 10 " " 1948-57 " " " 1916-58

File No. 666.310/26

Diameter ...	5"		080	184							
Height ...				1	1' 0"						
Altitude ...			51	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 ...	2.18	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	2.25	4.05	1.83	.66	1.77	.89	3.11	4.70	
December ...	2.50	1.96	1.22	2.95	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	35.22	
	n.p.	n.p.	n.p.	n.p.	Dnp.	D np.	np	np	np	np	

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 np check

QJMS

Position of Station on Ordnance One-Inch map :

No. of Map.....

National Grid Reference SE(44) 287249

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 1948-49-50	