

RAINFALL at Stockton-on-Tees, Billingham

County of Durham

Observer Synthetic Ammonia & Nitrate, Ltd.

River Basin Tees & s. 1.

M.O Rain Gauge, by _____

Diameter							5			
Height							0 1	1.0		
Altitude							55	50?	35?	39'
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1930 MEANS.
January							1.80	2.11	2.62	1.61 2.65
February							1.78	0.56	1.25	.33 1.47
March							1.90	1.94	1.60	.08 2.72
April							1.11	1.75	.79	1.12 2.25
May							2.15	1.68	1.19	1.19 1.10
June							2.46	2.41	1.58	1.51 1.81
July							3.25	4.60	1.52	2.00 4.77
August							1.80	4.51	3.34	2.73 3.60
September							2.23	3.75	.56	1.16 2.15
October							2.89	1.72	2.63	2.12 1.68
November							3.57	3.65	1.57	2.41 2.67
December							1.21	1.68	1.05	2.34 1.63
TOTALS ...							25.15	30.36	22.70	18.60 27.59
							D	D	D	D

1926. Suggested alteration of g. to 1' above ground (F. 665442/26)
screened ther: 4' 6" high, 5° NE.Post & wire fence 3' 0" " : 6'. g. is approx: at centre of a 12' square.
1927 Open space for 100 yds N.E and W.

1929 Impacts.

1930. g. moved 300yds NW. 23/8/30.

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

Reference No. _____

Date.	Lat. N.	Long.W.	Railway Station.	Distance from gauge	Direction from gauge	Parish Church.	Distance from gauge	Direction from gauge
1926	5° 34' 1" N	1° 13' 1" W	Billingham	1 m	N 60° W	Billingham	5/8 m.	S 30° W

RAINFALL at Stockton-on-Tees (Billingham) (+A)

County of Durham

Observer S. Ammonia & Nitrates, Ltd.
I.C.I (Fertilizer & Synthetic Products) Ltd.

River Basin Tees & C.-I.

Type of Gauge M.O.

Annual Average 23.3 in. based on 6 years obs. weighted. Period of average 1881-1915 Ref. Tees
using Hartburn Lodge and Middlewood (Allot Park). 665442/26.

Diameter	5.										
Height	1.6.										
Altitude	35.		39								
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means Totals
January	1.52	1.03	1.82	1.65	1.74	2.99	1.31	1.67	3.50	1.73	1796
February	1.52	.79	2.69	1.76	2.93	2.53	2.22	1.31	.63	1.98	1736
March	1.02	2.25	1.54	1.47	1.64	1.33	2.39	.05	2.06	1.81	1456
April	2.57	.86	.77	2.33	2.71	1.03	2.12	.20	1.25	1.72	1556
May	2.18	4.24	2.21	1.80	1.64	1.85	2.40	3.11	1.88	1.12	2043
June	3.65	1.26	1.22	1.75	2.35	3.51	1.47	1.99	2.10	.87	2017
July	3.51	3.06	1.51	1.58	.22	3.36	1.17	2.87	2.53	6.23	2604
August	2.67	2.88	.31	2.31	1.66	2.12	1.14	3.03	2.17	1.16	1945
September	3.91	2.17	1.19	1.86	3.82	2.44	1.41	1.52	(1.00)	1.13	2078
October	1.09	2.79	3.90	2.22	3.95	1.10	1.21	3.15	4.60	1.98	2599
November	1.76	1.56	2.51	1.67	3.32	2.37	2.10	2.05	1.93	2.84	2211
December	.87	.75	1.29	2.99	2.14	1.40	3.79	2.79	1.03	2.18	1923
TOTALS	26.27	23.64	20.96	20.39	26.12	26.26	22.73	23.74	(24.68)	24.75	23964
	D	D	D	D	D	D	D	D	D	D	M

1935. Sports field (pavilion) 15' high 50' S.E.

* see note in back 35155

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
1931.			Billingham	½ m	N.W.	Billingham	½ m	W.
1938			"	1 m	NE	"	¾ m	N.E.

Station No. M. 3515

RAINFALL at Stockton-on-Tees (Billingham) + A

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County of Durham

Observer I.C.I. Fertiliser & Synthetic Products Ltd

River Basin Tees & C. - 1

Imperial Chemical Industries, Ltd

Type of Gauge M.O.

(Letter 92616.00 for change in gauge)

Annual Average 23.3 in. based on 60 years obs. unweighted. Period of average 1881-1915 Ref. Tees using Hartburn Lodge & Middlesbrough (Albert Park)

File No. 66.54.62/76

Diameter	5"		0.33	0.33							
Height	1' 6"			1							
Altitude	35'	6200	35'	41							
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means Total
January	2.40	2.21	2.57	1.09	4.76	1.10	1.34	5.46	.74	1.32	22.99
February	4.80	2.17	4.2	1.62	1.47	.59	2.30	.91	.37	2.39	17.04
March	1.98	.46	.54	.55	.27	1.00	2.33	.93	.88	.60	9.54
April	.54	.50	.69	1.95	1.23	2.05	2.58	1.02	1.76	1.80	14.12
May	1.20	1.22	1.82	.90	2.45	1.65	2.10	1.22	.82	1.32	14.70
June	.64	.82	.81	2.21	1.91	1.95	2.54	1.01	.81	1.18	16.58
July	.77	3.63	1.21	3.06	1.59	3.58	2.35	.91	1.41	2.93	21.44
August	2.85	2.45	3.85	2.19	2.84	3.11	.41	4.27	1.73	4.67	28.37
September	.62	2.55	3.21	3.64	1.08	3.16	2.38	1.39	.64	2.41	21.08
October	3.48	2.22	1.33	2.61	3.25	1.39	.22	1.22	2.17	1.29	19.18
November	2.43	1.19	2.71	3.66	.50	4.47	1.61	1.28	2.71	5.99	26.55
December	.26	1.79	1.09	.86	.94	2.36	1.40	1.32	2.21	2.92	15.15
TOTALS	21.97	21.21	20.25	24.34	22.29	26.41	21.56	23.94	15.95	28.82	226.74

1950 Sept. Engineers state that site has deteriorated. Site Mean 6' high 9' E. 10' 6" N.
Tide 28-35' NE. Site to be improved at a new one chosen.

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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

Station No. 3515 on

RAINFALL at Stockton-on-Tees (Billingham) (+A)

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County of Durham

Observer Imperial Chemical Industries Ltd.

River Basin Tees + L-1

Type of Gauge M.O. (+A) *

Annual Average 23.3 in. based on 22 years obs. un-weighted. Period of average 1881-1915 Ref. Tees
 using Arthur Lodge - Middleburgh (Albion Park)
 Annual Average 23.65 in based on 22 years obs. within 1931-56 1916-1950 File No. 665442/26

Diameter ...	5"	0.33	0.33									
Height ...	1' 6"			1								
Altitude ...	351		51									
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means	Total
January	1.60	1.62	.87	2.49	1.93	2.83	1.49	1.82	2.42	3.79	20.86	
February	1.87	.53	1.81	1.19	1.66	1.72	1.73	2.89	.52	1.92	15.84	
March	3.39	1.35	.17	1.43	1.06	.56	.91	2.65	.38	1.28	12.88	
April	1.41	1.63	1.63	.17	.83	.79	.32	1.47	1.32	.40	9.97	
May	4.79	1.14	2.27	2.07	1.31	.30	1.20	2.92	.35	.88	17.23	
June	1.32	1.39	2.15	1.92	2.55	3.39	2.76	2.42	1.35	.27	19.52	
July	1.92	1.17	2.68	1.52	1.14	2.62	3.73	2.90	1.93	4.36	23.97	
August	5.30	1.59	3.25	5.05	.76	6.71	1.87	3.26	.12	2.89	30.79	
September	1.10	5.01	1.12	1.56	1.08	1.72	2.97	1.74	1.07	2.13	19.50	
October	1.36	2.63	1.35	3.83	1.45	1.17	1.59	1.09	1.00	5.94	21.41	
November	3.73	3.37	1.27	3.31	1.89	.86	1.29	.71	2.92	2.68	22.03	
December	3.56	1.92	.80	1.45	2.26	1.55	.97	2.47	2.24	2.62	19.84	
TOTALS ...	31.35	23.35	19.37	25.99	17.92	24.22	20.83	26.03	16.62	29.16	233.84	
	D	D	D	D	D	D	D	D	D	D		

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(File 12859/30)

Note: This is used as check gauge for recorder at Stn. 3515/5.

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference (26461224)

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 (B)	1931-40 (B)	1941-50 (B)	1951-60
			c 1926 ✓	✓ ✓ but d 39	✓ ✓	