

RAINFALL AT Acklington, (Broomhill) Colliery

Lat. _____

Lon. _____

 County of Northumberland

Rain Gauge, by _____

 Observer J. H. Inerivale Esq
Loggett 5

Diameter		5									
Height		70									
Altitude		90?									
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January		3.01	.94	.91	1.42	4.45	1.21	1.94	.56	1.85	
February ....		.16	1.80	2.35	2.54	1.14	.38	.92	.84	1.33	
March		2.53	1.20	.43	.69	2.53	2.22	2.86	1.16	1.48	
April .....		.63	.71	.44	.94	.96	.70	1.47	2.65	2.46	
May		1.86	2.87	.89	3.11	.48	.91	1.16	1.10	3.03	
June .....		.53	3.29	.94	2.44	2.34	2.16	3.33	1.71	2.05	
July		1.91	1.47	1.99	1.36	5.64	2.10	2.19	.76	2.89	
August		3.88	3.60	1.63	2.19	2.68	1.99	3.04	1.89	1.09	
September....		2.76	2.26	1.59	.81	.48	2.87	2.86	.77	2.26	
October		2.41	4.26	.80	4.74	5.38	6.34	1.58	3.14	1.42	
November....		3.02	1.37	1.94	.98	2.10	1.38	2.34	2.76	1.12	
December		2.82	.87	.84	1.76	2.07	4.85	2.25	1.20	3.73	
TOTALS . . .		25.52	24.64	14.75	22.98	30.25	27.11	25.94	18.54	24.71	

Copied from Colliery Book by Dr Mill.

1891-1907 Rec^d. III. 09 Env^d. 18. 09

N.B. From Dec. 1898 onwards the totals are corrected for entry to wrong day. Previous to that date they are presumably wrong.

RAINFALL AT Acklington, Broomhill Colliery

Lat. _____

Lon. _____

County of Northumberland

Rain Gauge, by _____

Observer J. H. Merivale Esq.

Coquet - S.

S. P. Kelly Esq.

Diameter ...	5										
Height	70										
Altitude ...	90?								94		
Year ...	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ...	2.74	1.43	.78	3.71	2.42	.55	1.91	.63	1.30	1.14	
February ...	4.28	1.72	1.47	1.17	1.75	.88	.96	.58	1.62	1.78	
March	1.56	1.70	.84	1.28	1.29	1.41	.96	.87	2.58	5.29	
April	1.02	1.06	1.24	1.43	1.41	2.27	.63	1.36	1.67	2.55	
May	1.11	3.29	2.60	1.53	2.56	.90	5.45	3.83	1.87	2.29	
June	3.70	1.24	2.47	1.64	2.58	.70	1.65	3.48	.60	1.94	
July	2.57	1.76	2.66	4.48	.94	.85	1.91	1.17	2.11	2.52	
August	4.84	2.39	1.35	3.01	2.50	3.00	3.07	2.36	2.15	2.68	
September ..	.60	1.01	.83	2.24	.57	1.11	.41	.44	1.66	2.19	
October ...	5.97	1.55	2.17	7.09	.70	2.75	4.46	5.56	1.42	2.35	
November ..	3.16	3.74	1.26	1.22	3.13	3.95	2.00	1.67	1.08	.65	
December ...	1.53	3.38	3.40	3.04	1.76	.40	2.01	3.41	1.46	3.56	
TOTALS ...	33.08	24.27	21.07	31.84	21.61	18.77	25.42	25.36	19.52	28.94	

Copied from Colliery Book by Dr. Mill

1891-1907 Acc? 111.09 Int? 18.09

N.B. Corrected for wrong day.

Chevington Church 1500 yards S

Broomhill Station 200 " N.W.

Shops 30 ft high 90 ft W

RAINFALL at Acklington Broomhill CollieryCounty of NorthumberlandObserver S. Pedalty EsqRiver Basin Coquet & C 5Broomhill Colliery Ltd
Alnott's S. (1916) (meanings)

Rain Gauge, by _____

Diameter ...	5											
Height	7.0						4 6					
Altitude ...	94	928										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.	
January ...	2.29	2.06	2.90	2.80	2.01	2.58	1.03	2.40	2.46			
February ...	2.58	.78	2.50	.53	1.25	1.61	1.78	1.09	1.01			
March .....	.69	2.32	1.80	2.73	2.71	2.23	3.31	1.37	1.04			
April	1.83	1.25	.10	2.78	.48	.33	1.47	2.22	.81			
May	2.27	.68	2.18	2.78	1.71	1.61	2.78	1.80	2.77			
June .....	.86	5.13	5.18	2.25	2.47	.66	1.91	1.36	.21			
July	2.55	.90	3.39	.30	2.52	3.56	3.14	.89	3.83			
August	3.36	2.17	4.81	.74	1.39	3.28	2.79	6.38	.98			
September ..	1.36	2.18	2.12	3.15	1.33	2.50	1.51	1.18	5.02			
October ...	2.90	2.91	3.64	1.01	2.08	1.68	2.88	1.86	2.49			
November ..	3.31	2.85	2.24	1.53	3.17	1.65	3.25	1.54	.92			
December ...	2.18	2.87	1.34	1.36	3.14	5.32	3.96	2.29	2.64			
TOTALS ...	26.12	26.10	32.20	21.96	24.26	27.91	29.81	24.38	24.18	NR		
	D	D			D	D	D	D	D			

+ Inspected

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

RAINFALL at Adlington Broomhill CollieryCounty of NorthumberlandObserver Broomhill Colliery Ltd.River Basin Coquet & c. 5A. M. Morison (manager)HOWARD Rain Gauge, by
Lawdon (126)

Diameter ...	5"										
Height	7.6								10		
Altitude ...	92										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930. MEANS.
January ...	1.36	4.23	1.94	1.59	2.00	.78	2.10	1.03	2.06	2.45	3.06
February ...	1.33	.17	2.06	2.85	.88	2.73	2.61	.84	0.67	1.15	.77
March	2.75	.87	(2.43)	1.13	.69	1.05	.50	1.75	2.32	.12	1.66
April	3.30	imp	(1.98)	.99	1.52	3.70	1.70	1.60	1.46	1.49	2.11
May	3.07	-	.92	1.99	6.13	1.98	2.06	1.93	1.74	1.61	1.35
June .....	.93	-	1.55	.60	2.07	.08	2.61	3.23	4.13	2.22	.46
July	3.27	imp	4.06	1.48	4.20	2.11	4.44	2.28	1.10	4.06	3.89
August	2.16	2.35	1.73	3.00	2.94	2.97	1.98	3.31	3.09	3.48	3.90
September...	1.75	1.25	2.79	1.55	2.55	3.80	2.67	3.51	0.91	1.12	2.01
October	2.38	2.95	1.97	1.79	3.31	1.71	3.23	1.24	2.60	2.72	2.34
November...	.72	2.05	.94	3.90	1.17	1.88	3.67	2.45	3.00	5.11	3.83
December...	4.72	1.03	3.09	2.82	2.29	3.16	.46	2.49	2.81	5.08	2.53
TOTALS...	27.74	..	(25.76)	23.69	29.75	25.90	28.03	25.66	25.29	30.62	27.91

1921. No record during miners' strike.

1922. March & April rain estimated.

1929. Gauge leaky, mended VIII/30.

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	Direction from gauge
1926.	55° 18' 15"	1° 35' 37"	Broomhill	195 yds	N.W.	Adlington	1400 yds	N. 14° W

RAINFALL at Acklington (Broomhill Colliery)County of NorthumberlandObserver A. M. Morison, Esq.River Basin Cocker & C. - S.Type of Gauge S.A.Annual Average 24.2 in. based on 25 years obs. un-weighted. Period of average 1881-1905 Ref. S

816840/28

Diameter	5.										
Height	1.0.			1	4						
Altitude	92.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	3.04	1.25	1.56	1.74	2.18	4.20	3.25	2.79	4.58	2.06	26.65
February	1.01	.46	2.39	.42	1.66	3.21	3.28	.73	.94	2.28	16.38
March	.56	2.55	1.48	2.75	1.41	2.16	5.79	.48	2.32	2.72	22.22
April	2.93	1.62	2.12	5.38	3.86	1.27	2.38	.28	.92	.81	21.47
May	2.82	3.82	.87	.88	1.39	1.50	4.33	2.79	.97	.84	20.21
June	3.13	1.06	1.55	1.37	2.24	2.61	2.56	2.83	2.03	.78	20.10
July	3.34	2.47	2.71	2.36	.53	3.23	2.62	2.72	1.76	7.29	29.03
August	2.42	1.76	2.41	2.60	1.85	1.89	2.65	2.30	2.40	1.17	21.45
September	1.95	3.70	1.78	1.62	3.26	3.33	1.64	1.92	1.36	2.27	22.83
October	1.00	4.47	4.51	3.79	3.82	1.52	2.66	3.19	3.87	2.80	31.63
November	4.12	.66	3.46	2.90	3.20	2.71	1.61	1.98	1.98	3.73	26.35
December	1.19	1.39	1.30	3.84	2.46	2.06	7.84	3.75	1.35	3.77	28.98
TOTALS	27.51	25.11 2	26.14 d	29.65 d.	27.86 d.	29.69 d	40.58 d.7	25.76 d	24.48 D	30.52 d	28.730 RM

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
1931.			Broomhill	195 yds.	N.W.	Broomhill (Chewington)	1540 yds.	S 10° E.
1940.								

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

Station No. 3590

RAINFALL at Bellingham (Broomhill Colliery)

41

County of NorthumberlandObserver A. M. Manson Esq. 1946River Basin Casquet + C. - 5Broomhill Coal BoardType of Gauge B.A.Annual Average 24.9 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. SFile No. 816840/28

Diameter	5"	005	215								
Height	1' 0"		1	1.4	2.5	1.0					
Altitude	92'		41								
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	2.84	3.63	2.82	.93	(4.02)	1.15	3.24	8.87	.86	1.75	
February	5.23	1.87	.65	1.52	1.59	.29	.35	1.64	.61	5.69	
March	3.40	.68	.87	.78	.35	.88	6.00	.85	1.27	1.42	
April	1.17	1.27	1.15	2.90	1.92	.95	6.12	2.86	.74	2.44	
May	1.50	1.31	2.49	3.07	3.24	1.59	3.15	1.44	1.19	2.36	
June	.74	1.36	1.39	2.37	2.28	1.40	1.33	3.74	.76	2.26	
July	1.97	3.86	1.90	2.70	1.67	3.51	2.47	1.76	2.11	3.36	
August	3.63	2.56	3.14	2.04	2.80	6.02	.00	6.78	2.36	5.43	
September	.64	2.61	3.02	5.36	1.41	5.49	1.39	2.84	.92	4.97	
October	4.30	2.15	2.02	2.88	3.23	1.17	.40	1.69	4.91	1.24	
November	3.52	.60	2.95	4.17	.59	5.86	1.90	1.46	2.86	6.23	
December	.56	2.15	.82	1.68	1.55	4.60	2.91	2.51	2.96	1.95	
TOTALS	29.50 d	24.05 d	23.22 d	30.40 d	24.65 d	32.91 d	29.26 d	35.84 d	1.55 d	39.10 d	

1946 gauge moved to 1 ft. for 9.746

40004

1946 up 1/2 in.
1947 up 1/2 in.
1950 up 1/2 in.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			Broomhill	195 yds	N.W.	Bellingham	1540 yds	S. 10° E

BRITISH RAINFALL ORGANIZATION

Station No. 3540RAINFALL at Acklington (Broomhill Colliery)

51

County of Northumberland Observer Broomhill Coal BoardRiver Basin Copit & C-5Type of Gauge B.O.Annual Average 34.9 in. based on 35 years obs. un-weighted. Period of average 1881-1915 Ref. 5File No. 816240/28

Diameter ...	5"			005 215							
Height ...	1' 0"			1							
Altitude ...	92'			51							
Year ...	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means
January ...	2.86										
February ...	3.27										
March ...	4.04										
April ...	2.40										
May ...	5.72										
June ...	1.67										
July ...	1.43										
August ...	3.83										
September ...	.83										
October ...	.65										
November ...	9.21										
December ...	1.02										
TOTALS ...	36.93										
	NP										

1951. N.P. big

Imp. NW-Daherly (Acklington A.P.O.) 6.452. Site in railway siding unsatisfactory. Gauge beyond repair. New site agreed with Engineer - new N.O. gauge recommended.

1952. An unreliable record from Re del gauge was recd. late - 14.10.55 and is retained in file.

Position of Station on Ordnance One-Inch map : No. of Map National Grid Reference N(44)247011

Date.	Lat. N.	Long.	Railway Station.	Distance from gauge	Direction	Parish Church.	Distance from gauge.	Direction
1951			Broomhill	177yd	N 16° W	Chawington	1540yd	S 10° W.

Summary of Earlier Records from 10-year Sheets :

Record D, or d	1910-19	1920-30	1931-40	1941-50	1951-60
	10-18	✓ no 21	✓	✓ no 46-47, 50	T. 1951
	✓ but - 12	✓ but - D 20	✓ but - 31, D 29.	✓	