#### RAINFALL AT Handlepool (Hart Rose)

Lat. Lon. County of Durham

> Observer Hantlepool gas & Water Co. Rain Gauge, by

1										-	
Diameter											
Height											
Altitude											
Year	1860	18 <b>6</b> 1	1862	18 <b>6</b> 3	1864	18 <b>6</b> 5	1866	18 <b>6</b> 7	1868	1869	Means.
January								2.40		1-19	
February								.58		2.37	
March								1.16		1.53	
April											
May								1-69		1.29	
June								5.87		5.86	
July								1-49		1.27	
								3.59		.63	
August								2.73		1.58	
September								1.95		3.98	
October								1.13		2.61	
November								.78		2.90	
December								2.07		5.80	
Totals								22.11	N D	24.31	
TOTALS								99.111	11.14	≈#. 2I	

Using an average of 23 ins. 1869 record seems reasonable on % map. Rinhill Alle Map for 1867 not available but relation of '67 to '69 seems reasonable.

HRowsell 17.3.49

#### RAINFALL AT Harlepool Hart Reservoir

..... County of Durham

Diameter	8										
Height	.9		. 7		.0						
Altitude			/		164						
YEAR	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	MEAN
January	1.27	.72	1.81	1.03	1.47	2.50	.74	2.80	1.45	1.07	1.48
February	1.08	1.62	1.81	1.64	70	.72	2.16	1.57	.72	1.80	1.38
March	1.33	.56	2.88	1.49	1.16	44	2.34	1.98	.88	1.10	1.411
April	. 34	2.72	2.73	1.41	.77	.83	2.51	3.23	1.85	1.81	1.82
May	1.46	1.53	2.24	2.62	3.12	88	1.37	2.40	249	1.36	194
June	2.45	3.04	2.90	1.56	.96	1.50	2.12	1-45	3.43	2.91	2.23
										3.41	
										3.97	
September											
October	3.88	2.17	4.34	2.34	1.86	3.35	1.61	2.74	1.70	52	2.45

1871 I placed on the top of the embantment lovel with adjacent ground in an exposed situation

3.05 1.61 4.95 1.73 2.08 6 39 2 34 1.27 5.45 2.00 3.087 4.29 1.73 3.16 .29 3.59 1.51 5.49 1.74 2.89 .85 2.562 22.95 2568 38.52,19.49 2032 27.04 29.57 2845 28:00 21.71 24.73

# RAINFALL AT Hartlepool Gart-Reserved

Lat.				Lon		Co	unty of	Du	rhe	em	
		Rain G	auge, by							Esq.	CE
Lees 1										1	
Diameter	8										
Height											
Altitude											
Year	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	MEANS,
January	.28	.79	.62	1.32	2:30	1:43	2.55	1.31	.47	1.31	1.23
February	1.11	2.72	18	-91	1.08	95	63	.75	-91	.88	1.01
March											1.80
April										1.52	
May											1.70
June											
July											
August										3.36	
September										.85	1
October	4.20	2.44	3.61	1.94	1:52	3.70	2.35	2.83		4.21	
November	2.16	1.33	3.13	.73	1.18	127	2.77	2.85	2.18		1.88
December	3.22	2.2/	3.2/	1.60	1:55	97	3.39	3.29	.59	1.46	
Totals	27.23	26.46	2743	23.42	1791	22:03	2801	23-40	22.71	21.58	24.01

# RAINFALL AT Hartlepool Hart Reservoir

Lat				Lon.		Con	enty of	Dur	ham		
Lees 1		Rain G	iange, by			Obsert	ier J	Fern	rick E	29 C	£.
Diameter	8										
Height	09										
Altitude	164										
Year	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	MEANS.
January	1.41	1.18	1.02	1.16	1.12	3.32	. 81	1.78	.92	2.75	1.547
February											1.105
March	1-35										1:386
April		1.17	1.27	.30	.83	1.37	.60	1.31	2.01	2.01	1.143
May											1.766
June											2.179
July	2-20										2.341
August	6.07										2.663
September	1										1. 625
October		1.38									3.169
November	2.77	1.40									1. 550
December											1. 89H
TOTALS	26-48	19:83	24.17	15:86	22-58	28-25	23.01	21.18	19.08	23.24	22.368

1891 "I cannot guarantee the accuracy of this statement, ten" "mouths of it having been made out by a man new to" "the work." I.T.

### RAINFALL AT Hartlepool Hart Reservoir

Lat. 54 42 7 N Lon. 1 14 57 N Country of Devaluation

theo te -	-1.	Aan	range, c	ny.Laza		, Oose	inver	JB	mren.	Eg C.	E.
Diameter	8					10 🗆					
Height	09			1. 2.		1.0					
Altitude	164					172.本					
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MRANS.
January	2.22	1.39	. 77	2.23	1-44	.28	2.73	.56	. 85	. 60	1.307
February											
March											
April											
May	1.06	2.06	2.05	2.56	2.29	.79	2.97	2.98	2.22	1.53	2:051
June	3.33	1.34	2.40	2.42	1.11	.55	.75	3.69	.54	1.89	1.802
July											
August											
September											
October											
November											
December	2.47	2.76	2,00	1.70	1.84	.41	1-63	3.15	.84	2.81	1961
Totals	32.84	24.26	17.88	28-61	18.06	19.24	20-88	23.52	18.83	27.83	23.195

1904 February Snowlectionaled 1904 The smelt - not punked 1905 Hart Church 1 Mile NW West Hartlefrit States 2 /2 Miles IL 1S 1906 Hartlefrit States 1 /4 N

## RAINFALL at Hartlepool Hart Reservoir

County of Drodom Observer J. Bowerlag C. Cum. Bransontag C. E.

Squore Rain Gauge, by Carelan

Diameter 1G										
Height / . <	)									
Altitude 1727	7									
Year 1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January 1.95	98	2.26	2.83	1.30	2.18	-64	3.19	1.77	2.65	8 28
February 1.70	1-12	1.47	.52	.90	2.26	2:43	.80	1.28	1.59	6.10
March 33		1-74						1.07	2 24	839
April 2-13	109	.15	2.80	. 29	.88	1.38	1.73	1.27	1.25	5.63
May 2 · 2 · 2	68	2.10	1.55	1.42	1.63	234	1.37	1.57	.80	6.08
June 1. 72	3.96	4.57	1.53	3.57	.50	1.65	1.90	.30	.95	4 60
July 2.74	1.04	2.83	.55	4.05	2.71	2.73	.79	4.25	1.11	888
August 2.80	284	3.65	1.40	.89	3.06	299	5.10	1.12	1.89	11-10
September 42	1.77	1.29	1.77	1.87	1.58	2.25	-84	4.68	.78	8.55
October 2.5									m.pr. 1443.09	10.28
November 2.34		1 /	1 1				1.46		1	7.56
December 1.50	2:32	1.12	1.38	3.32	5.77	2.35	1.78	2.90	٤.1٤	9.15
TOTALS 22-5	23.52	126.06	20.34	24.03	25.21	26:50	22.57	22.41	23.12	94.60
-	D		-		-	5	2	2000	0	

1910 Consisted for whom Long.

et seg

Date.

Lat. N. LORE. Railway Station. Distance. Direction. Church. Distance. Direction.

1911 56-627 N 1.145 Hart 14 mi N Hart 1 mi N.W.

### RAINFALL at Hanttepaol Hant Reservoir

County of Durham Observer a. II. Brymson Egg 68. River Basin Lees & C 1

Square Rain Gauge, by Carella

Diameter	[10]											
Height	10											1
Altitude	172											
Year		1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 . MEANS.	197
January	2.56	3.16	1.46	. 94	1.53	.98	1.46	0.81	2.34	2.81	2.95	2
February	.74	.16	1.84	2.44	1.18	2.08	1.39	0.66	.95	.77	127	,
March	2.09	.56	1.31	1.33	.94	1.19	- 30	1.13	1:40	.16	2.68	1
April	2.67	.81	1.21								1.87	15
May				1			1.47				4.28	2
June		100000000000000000000000000000000000000	1			1 Charles Control				19 10 1000	01	1
July												3
August												3
September											2.76	11
October											1.64	2
												2
December												2
November December Totals	3.04	1.02		2.02	2.23	2.62						

1924 Ranifull entered to day of reading who to 20th Sept; after that date condited to previous day.

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

Date.	Lat. N.	Long.w	Railway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge
1920	54 42 7	11467	Hart	1/4 mi N	Hart	Imi NW

#### RAINFALL at Hartlepool (Hart Reservoir)

County of Durham Observer J. R. Bradshaws, Esq., River Basin Tees & C . - 1. Type of Gauge M. O.

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

	-					9	17819	/29.			
Diameter	1000										
Height	1.0.										
Altitude	172.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Mean John
January	1.72	. 86	2:35	.71	1.60	3-10	1.34	1-99	3.47	2.24.	19.3
February	1.03	. 94	2.20	.64	2.16	1.77	1.99	.96	.58	1.52	1370
March	1.09	2.27	1.40	1.23	.62	106	2.22	.07	1.59	1.76	133
April	2.82	.85	.89	2.20	2.85	.92	2.15	.19	1.26	1.35	15.49
May	2.39	498	1.59	.81	.54	1.59	2.53	2.70	1.46	87	194
June	3.23	141	1.11	2.46	2.34	3.44	1.02	2-43	1.75	.81	2.000
July	2.97	2.35	1.61	1.88	.49	3.62	1.14	2.45	1.81	6.13	244
August	2.45	183	20	2.82	1.47	1.64	1.59	1.95	2.02	1.30	177
September	3.55	2.37	1.96	1.09	4.56	2.27	1.43	1-63	1.39	1.43	21.11
October	1.18	2.37	3.83	2.34	3.73	1.23	1.24	2.58	3.52	2.81	248
November	1-99	.98	3.06	1.88	3.35	1.91	1.94	1-68	2.20	2.98	219
December	. 83	.89	1.11	3.19	2.74	1.06	4.30	2.68	.90	2.40	20-10
TOTALS	25.25	22.08	21.31	21.25	26:45	23.61	22.92	21.31	21.05	25.60	2310
	3.	D	D.	D.	⊅.	D	0.	D	D	D	

1935. House 30' high 40 yards N.

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

Date.	Lat. N.	Long.	Railway Station,	Distance from g		Parish Church.	Distance from	Direction gauge
1931.			Hart.	Kum	Ν.	Hart.	lm	N.W.

10

RAINFALL at Hartlepool (Hart Resolvin)

County of Durham Observer J.R. Broathand Lag.

River Basin Tecs 2 F. J. WEBSTER, Esq. (1949)

Type of Gauge Challe W. Synare M.O. (1969)

ADAM HOLE, Eng. (1981)

Type of Gauge Lack Square Communication Square Communication Communication Square Communication Comm

File No. 917819 29

Diameter	 10		026	302		8"					1
Height	 1' 0"			1							
Altitude	 172			41							
Year	 1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means Total
January	 2.45	2.84	2.44	1.01	3.70	.99	1.28	5.96	155	1.47	22 69
February	 5.89	1-64	.34	1.34	1.39	.40	1.60	.95	.29	2.13	15 97
March	 1.60	1.00	-57	-36	-26	.98	3.25	72	1.03	.48	10.25
April	 170	.65	63	2.13	158	2-16	2.45	1.34	1.63	1.70	14.97
May	 1-32	1.32	2.22	1.29	2.34	2.04	2.04	1.15	.74	2.20	16 66
June	 .76	.96	1.47	2.12	185	2.92	1.98	3.21	.54	1.14	16.95
July	 .93	4.11	1.05	3.00	1.88	3.38	2.32	1.05	1.46	2.98	22.16
August	 2.55	1.87	412	1.62	2.59	3.33	.40	439	173	4.31	26.91
September	 .87	2.52	3.43	479	1.13	3.66	1.79	1.56	.58	2.01	22 3.
October	 3.31	2.20	1.17	2.29	3 83	1.29	.56	1.31	2.14	-98	19 13
November	 2.36		2 65	4.17	116		1.87	1.13	204	5.67	26.42
December		1.71	1.03	.91		1-99		1.19	1.89	2:31	13.43
TOTALS	22.96	22.01	21.12	25.03	22.51	27.26	20.92	23.96	14:67	27.38	227.8

1941: Exposed high level ground.

Position of S	Station on red 1 mile to	uced Ordna 1 inch Seri	nce Survey Map, No.	of Map	Reference No	)
Date.	Lat. N.	Long.	Rallway Station.	Distance Direction from gauge	Parish Church.	Distance Direction from gauge.
1941			Hast. L.NE.R	stimileo N.	Hast	, mile N.W.

	2.93 -	"			-1950		d of aver	File I	No. 1959	17819	/29 P
Diameter	8"		026	302							
Height	1 0"										
Altitude	172'			51							
Year	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	Means TAND
January	1.24	1.45	-83	2.30	1.67	3.29	1.41	1.110	3.15	4.27	21.05
	1.43	63	1-28	1.35	2.00	1.31	1.80	3.74		1.97	16.11
	3.09	1.33	.12	1.10	1.05	-77	.95	3.42		1.38	13.86
	1.25	1.07	1-66	.19	.73	1-/2	.42	1.44	200	0.56	10.05
Мау	4.30	1.41	1.57	1.78	1.21	.45	1.47	3.25	-63	0.20	16.27
June	1.31	1.10	1.67	1.76	2.52	2.86	2:43	2.87	1.75	0.33	18.60
July	1.79	99	2.01	1.36	1.16	2.46	3.03	2.76	2.33	4.48	22.37
August	4.51	1.53	2.58	4.17	.90	6.54	2.54	2.64	-24	2-17	27.82
September	1.02	4.73	.97	1.60	1.46	1.90	3.07	1.86	-82	1-98	19.41
October	1.17	1.68	1.22	3.43	1.24	-98	1.71	1.12	1-22	6.21	19.98
November	3.93	3.38	1-31	2.68	2.02	1.15	1.17	-98	3.17	3.14	22.93
December	2.62	1.91	-88	1.40	2.05	1.62	.74	2.39	3.12	2.58	19.31
Totals			16.10	23.12 D	18.01	24·45	20.74 D	27.94 D	19.29	29.27	227.76
112/52 gam grs. Sitt m	ge teste "Exp	d + Foru ned high	ed son	ind. Lo	NO OCK.	euc. pro	mong at	70 /	nga D		

P- accepted

1951-60

1916-1950, 1941-50

1931-40

Summary of Earlier Records from 10-year Sheets:

C1867

1910-19

\$ 0,1900

1920-30

(62) Wt. 13072-389 10M 6/50 T.S. 841

Record D, or d