

RAINFALL AT *Walsden Warland Drain*

Lat.

Lon.

County of *Yorks. W.P.*

Rain Gauge, by

Observer. *Rochdale Local Coy*

C.R. Dyke Esq

Walsden

Diameter ..			8								
Height			1 5								
Altitude ..			1250								
Year	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	MEANS.
January ..											
February ..			3.10	4.93	4.15	1.73	5.69	1.62	3.75	2.74	
March			1.58	4.36	3.30	1.44	3.09	2.06	2.60	2.10	
April			1.78	6.33	2.40	3.70	3.55	3.41	2.91	2.90	
May			2.00	1.48	3.12	2.58	1.38	2.05	1.69	4.03	
June			2.58	3.95	2.40	1.14	3.05	3.22	2.76	2.24	
July			1.50	1.05	1.92	2.75	2.11	7.50	2.18	2.45	
August			2.00	5.00	2.00	2.60	2.35	2.69	4.50	6.05	
September ..			4.45	5.84	5.95	5.95	4.45	3.65	3.48	3.11	
October			2.30	5.69	1.32	2.42	1.23	94	4.09	2.58	
November ..			4.76	9.25	2.43	3.24	7.29	5.15	2.70	5.76	
December ..			2.18	2.80	2.80	4.02	4.42	3.29	2.66	1.20	
TOTALS ..			4.14	2.25	3.01	1.45	2.63	4.59	2.52	6.70	
			32.37	52.93	34.80	33.05	41.24	40.17	35.84	41.86	

Annual average rejected from survey

RAINFALL at Walsden Warland Drain
W. R. YorkshireCounty of West Yorkshire
near Aire Calder 8
River Basin ManchesterObserver Rochdale Canal Co.
C. R. Dykes Esq
W. or M. J. H. Esq

Rain Gauge, by _____

Diameter ...	8										
Height	1.5										
Altitude ...	1250 T										
Year ...	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	MEANS.
January ...	6.91	2.13	6.18	3.34	3.08	4.05	3.35	6.03	2.30	5.25	8.90
February ...	2.18	4.82		1.66	3.20	3.80	2.18		5.25		
March	1.25	2.35	4.83	4.00	4.45	2.30	1.65				
April	3.85	2.37	1.21	4.16	1.27	2.18	2.30	6.03	1.35	1.30	8.90
May	2.55	1.51	2.86	3.00	2.02				2.62	1.88	
June	3.90	2.78	6.87	2.72	2.02	.91	2.62	2.09	1.55	1.45	8.90
July	3.96	.87	2.98	1.06	3.79	5.06	2.21	2.07	4.60	1.55	
August	5.30	2.81	8.57	2.15	3.59	4.90	3.61	5.63	2.58	3.92	8.90
September ..	.31	4.03	2.77	1.94	2.84	.95	2.02	1.92	11.10	1.62	
October ...	2.84	3.72	5.07	2.10	2.55	1.72	7.21	5.31	3.20	2.56	
November ..	5.67	4.98	2.25	4.75	5.53	8.30	3.05	2.21	1.77	2.22	8.90
December ...	4.45	5.63	6.02	2.27	6.57		2.50	1.25	6.77	6.18	
TOTALS ...	43.17	38.00	49.61	33.15	40.91	35.59	37.74	28.01	44.74	31.58	

1919 Gauge frozen up at end of Jan + Feb.

Annual average rejected from survey.

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

RAINFALL at Walsden Warland DrainW.P. Yorkshire.County of GloucestershireObserver Rochdale Canal Co.one - air - cedar - 8.n.a. North Ey mteRiver Basin Mersey-TrentH.A. Braddocks (Rochdale W.D.)

Rain Gauge, by _____

Diameter ...	8										
Height	1.5								1.0		
Altitude ...	1250										
Year	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930 MEANS.
January ...	4.12	6.40	2.96		3.61	5.73	5.88	4.00	16.77	2.42	8.04
February ...	3.56	7.0	4.35		1.32	7.80	4.39	1.67	6.61	87	1.13
March	3.10	3.07	3.36		1.74	1.73	2.17	5.38	4.69	1.60	3.02
April	5.92	1.09	2.92		2.14	3.51	2.01	4.30	1.75	1.48	3.55
May	5.40	2.25	1.43		7.33	5.50	4.78	2.34	2.06	3.81	2.22
June	3.56	.09	1.76		2.86	.15	3.54	4.80	9.98	1.60	2.71
July	9.35	1.97	4.78		4.83	1.90	3.34	4.07	5.02	2.39	6.58
August	3.19	6.76	5.92		7.44	4.97	4.93	9.15	7.40	6.03	7.77
September...	1.98	1.89	3.35		5.73	4.08	4.24	7.20	.97	2.70	5.11
October	2.22	3.00	.91		6.81	6.96	5.08	7.47	7.81	6.38	7.44
November...	2.42	2.55	2.91		2.91	2.63	7.16	7.29	9.37	9.24	7.10
December...	3.92	5.04	3.46		6.25	4.33	2.27	3.06	4.00	9.71	4.22
TOTALS...	45.74	34.81	38.11		52.97	49.29	49.89	60.73	74.43	48.23	58.89

Inspected 5.10.23. 27 ft. water level 200 yds. W. across the drain on a dip
 Inspected 12.8.31 by Dr. Glasspool - see green file

Annual average rejected from survey.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
1925			Walsden	1 1/2 m		Walsden	1 1/2 m	

RAINFALL at Walsden (Warland Drain)County of West RidingObserver Rochdale Corpn.River Basin Ouse-Aire-Calder-8.

Type of Gauge.....

Annual Average 5.9 in. based on 26 years obs. un-weighted. Period of average 1881-1915 Ref. S

66987/26

Diameter	8.										
Height	1.0.										
Altitude	1250.										
Year	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	Means
January	6.36	6.44	2.83	5.05	2.05	4.88	4.87	7.02	8.03	(2.42)	
February	6.37	.28	4.82	.50	6.64	3.26	6.78	2.47	6.47	3.02	
March48	2.62	3.46	3.29	1.85	2.93	2.50	1.87	3.76	4.01	
April	4.51	4.64	2.36	3.05	4.36	1.65	3.37	.89	2.81	3.98	
May	3.61	5.53	2.65	3.73	.89	1.47	2.94	5.00	1.64	1.45	
June	7.43	.67	3.12	3.18	5.62	4.82	3.16	6.38	4.74	.98	
July	4.73	5.15	3.65	2.92	2.25	4.25	2.78	5.36	8.53	4.79	
August	5.64	1.80	2.32	4.03	2.01	3.12	2.90	5.29	3.38	2.19	
September	3.91	5.70	1.82	4.43	8.72	4.32	2.64	1.86	1.67	5.57	
October	3.14	8.49	5.52	6.62	11.13	5.96	2.97	14.37	3.20	6.58	
November	9.71	3.70	3.01	2.53	6.89	7.93	2.94	8.21	8.79	11.01	
December	2.61	3.62	0.64	6.82	3.88	6.52	3.03	6.41	4.51	5.54	
TOTALS	58.50	48.66	36.10	46.15	56.29	51.11	40.88	65.13	57.53	51.54	
	D	D	D	D	D	D	D	D	D	D	

1940 Jan. + Feb. post est'd.

Average recorded 1924-29. 51.9 ins. adopted for publication.

~~Annual average reported from survey~~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. 3226

RAINFALL at Waladen (Warland Drain)

41

County of West RidingObserver Rosdale GlynRiver Basin Don - Aire - Calder - 8

Type of Gauge

Annual Average 51.9 in. based on 6 years obs. ~~un~~-weighted. Period of average 1881-1915 Ref. 5File No. 666987/26

Diameter	8"				0.77	516					
Height	1' 0"				1						
Altitude	1250'				41						
Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	Means
January	1.59	(6.27)	8.06	8.50	4.73	6.86	3.95	11.21	3.35	3.87	
February	6.18	(1.62)	4.35	2.81	6.51	7.05	2.86	4.10	4.64	8.15	
March	6.22	(4.01)	2.00	.80	1.56	1.90	6.80	2.76	1.79	3.91	
April	3.67	3.04	3.14	4.51	3.77	1.83	5.67	2.98	5.75	4.94	
May	3.17	4.78	3.93	4.14	5.44	1.93	2.84	1.55	4.57	2.87	
June	1.29	1.46	4.97	4.58	5.87	4.66	3.69	6.45	.95	3.18	
July	1.74	5.14	4.22	4.97	2.54	4.82	3.87	2.76	3.00	5.78	
August	8.33	6.32	8.91	4.24	3.77	8.03	.52	5.93	14.47	7.45	
September	.88	3.00	7.74	7.65	3.88	9.87	3.58	4.37	1.47	10.04	
October	6.19	8.17	4.21	6.06	8.78	1.14	1.53	3.41	6.54	2.71	
November	4.33	1.71	4.23	9.77	.77	10.04	7.93	2.74	8.13	6.48	
December	3.19	5.50	3.25	6.22	3.76	4.62	4.61	5.58	9.88	2.87	
TOTALS	46.78	51.02	59.01	64.25	51.38	62.75	47.85	53.84	54.54	63.65	

1942 Jan. to March covered in snow.

1943 n.p. high

1944 n.p. high. (Pottle file used. Note some improvement since July)

1957 gauge tested for leaks found satisfactory.

1950 n.p. high

70004

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. 3226
Walsden (Harland Train)

Observer Hochdale Corp.

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1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 84

" " 54.35 " " 28 " " W. R. 1924-57 " " 1916-50 " " \$
EJ. N. 146087/26

File No. 666987/26

1951. Prints. | Inspected 19.5.55 Mr. Dicks. Gauge leaked between inner cylinder,
1953. n.p. low. | double cylinder & funnel; no stem, no settle measuring; flat-bottomed
1954 n.p. low | ~~the~~ Exposure satisfactory. New 5" gauge, ^{20.12.55} info all supplied. ^{28.12.55} 19.5.58

§ Tinf wall

Position of Station on Ordnance One-Inch map : No. of Map 25 National Grid Reference 97/217

Summary of Earlier Records from 10-year Sheets :

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