Year	r Inch	See of the day to the second transfer than the
1820		Remarks
1830 1831 1832 1833	34.29 34.32 28.87	Glen Bank broke. Glen Bank broke.
1834 1835 1836	18.10 24.20 26.65	Dry July Comment
1837 1838 1839 1840		Glen Bank broke.
1841	29.45	Coal used - 1 ZEO
1842	32.10	Coal used - 1,350 tons - Several new drainage steam engines erected in the Fens.
1843	29.45	crected in the Fens.
1844 1845 1846	22.20 27.25	Low rainfall.
1847	26.10 25.62	8 year's average - 27 inches.
1848		"Kesteven" engine wheel lowered 14 inches first time.
1849 1850 1851 1852	34.30 27.45 20.94 22.25 31.00	
1853 1854	26.63	Great floods in the Fens and in Cowbit Wash.
1855 1856	17.75 22.00 22.63	Slightly below 1834 - dry.
1857 1858 1859 1860 1861	27.88 17.50 25.25 30.38	Vernatt's new Sluice opened. Similar to 1854.
1862	25.75 24.88	"HO]] 0.1]
1863		"Holland" engine wheel lowered 14 inches
. 50)	22.88	Board of the Maxey District. Ordered that
1864 1865	17.63 29.13	preserving the North Fen from flood water. Dry year; similar to 1854. Welland landed up by Tides.

FROM 1829 TO 1890

Year	Inches	Remarks
1866	26.75	Welland landed up by Tides. Surveyor ordered to engage a Steam Engine to drain North Fen.
1867 1868	23.38 24.75	Welland landed up by Tides. Hot dry spring! Pastures burnt up May, June, and July. Rainfall & inch.
1869 1870 1871	27.88 16.88 25.50	May flood. Lowest yet recorded.
1872	35.50	Glen Bank broke into Bourne South Fen. Quotation of £1-0-6 per ton to supply and deliver best coal to supply North Fen Engine accepted. Broad wheel cart to be used.
1873	19.63	"Holland" engine wheel lowered 18 inches.
1874	16.25	Another ten years since 1864 dry.
1875	32.25	Great changes set in this year. North and South Drove Drains cleaned out.
1876 1877	31.00 24.25	Glen Bank broke into Bourne North Fen, Great flood in Cowbit Wash, water at Duck Hall 18 inches deep on road.
1878	25.60	
1879 1880	24.35 3 7.14	A most wretched harvest. Glen new Sluice opened. Glen Bank broke into Bourne South Fen. Flood in Cowbit Wash 4 inches higher than 1877.
1881	26.13	"Kesteven" wheel lowered 18 inches.
1882	30.50	Glen Bank broke south side. Water at Pode Hole 6ft. 10 ins. in Fen, 8 ft. 4 ins. in Vernatts. Plan and estimate prepared for work for preventing the irruption of flood
1007	70 00	water into Peakirk village. Low water in Welland, $1\frac{1}{2}$ inches below sill of
1883	30.90	Glen new Sluice.
1884	16.75	Ten years again and dry.
1885	23.90	W 63 000
1886 1887	30.25 15.13	May flood. The lowest recorded. Crossgate Bridge rebuilt.
1001	17017	New pump for North Fen: New 4ft. dia. Holmes Turbine Pump 150 Fixing pump 100
1000	04 50	€ 250
1888 1889 1890	21.50 26.59 20.13	

Vo		TIODE ANNUAL RAINFAI
<u>Yes</u>		nes Remarks
189		No rain in February. "Holland" Wheel
189 189 189 189 189	4 22.3	Welland again heavily landed up by Tides, February 9th - 35 degrees of front.
1898 1899	3 20 25	flood in Glen. flood in Glen.
1900	28.50	Portion of Counter Drain cleaned out, inner bank strengthened. North Fen Steam Engine not to work unless water stood at a depth of Improvement of Diagraphy.
1901 1902 1903 1904	22.38 22.63 30.74 22.25	casting out. Delph Drain deepened and widened. Wet year Driver Glen, mud ploughing and
1905	24.63	Wet year. Rainfall in October, 6.25 inches. "Kesteven" wheel lowered 4 inches - total 3ft. High tide in Welland January 6th - 17ft. 9ins. bank at Pigeon End. Maxey Survey.
1906 1907	25.75	instructed to repair the Low Lock Door River Welland.
1908 1909 1910	22.46 17.22 24.00 26.12	Dredger "Nesta" launched November. Extensive repairs to Vernatts Sea Gates. River Glen stops, Tongue End, lowered 2ft. Glen North Bank broke near Tongue End, Horsegter.
1911	18.98	Horseshoe, Money and Cuckoo Bridges re hail
1912	29.38	Shuttleworth and Company for f190
1913	21.11	South Drove Drain ale flood in Glen 27th Aurs.
914	21.85	South Drove Drain cleaned out. Crowland Bridge Diesel engine and pump started work, April.

FROM 1891 TO 1940

Year	Inches	Remarks Vernatt's
1915	25.74	North Drove Drain cleaned out. Vernatt's Drain Improvement.
1916 1917 1918 1919	27.89 19.94 26.46 26.49	Delph Drain Improvement commenced. Low rainfall (under 20 inches). Heavy rainfall - September.
1920 1921 1922 1923 1924	24.08 12.66 26.31 22.89 26.45	Driest year on this record.
1925 1926	23.00 23.47	Proprietors of Helpston Paper Mills requested to filter their water before entering Board's drains.
1927	29.49	Highest reading ever recorded on vermass
1928	25.29	Old Steam Engines replaced by Dennis" Pump. Dennis" Pump.
1929	20.90	Dennis" Pump. New oil engine for North Fen purchased from Messrs. Blackstones of Stamford for £352-8-3.
1930 1931 1932	25.04 25.77 25.35	New engine shed at North Fen for £128-10-0.
1 933 1 934 1 935 1 936	18.10 18.63 23.87 25.81	New Lighter Boat introduced.
1937	29.86 19.73	First meeting of the newly constituted North Welland Internal Drainage Board, Repairs undertaken to Risegate Eau
1939	28.14	Outfall Sluice. Outfall Sluice. First meeting of the newly constituted Deeping Fen, Spalding and Pinchbeck Internal Drainage Board. "Dennis" Pump ran Drainage Board. "Dennis" Pump ran The Stope St
1940	22.38	"Henry Bain" pump installed. Improvement schemes undertaken in Maxey Area at request of Ministry of Agriculture, Fisheries and Food.

Vo	0.70	= IIIVIVALI RAINFA]
Yea 194	District matter passed (see	
194	12 22 4	Vernattia Tm-
194 194	3 18.7	New Pump for Fosdyke Marsh Area. Shoals Drain Improvement a Area.
194	5 20 1	A DANG TILL SONG
194	6 27.1	9 Work commons a
		Work commenced on Bourne South Fen Pumping Station. Improvement Scheme for
1947	7 18.88	Station. Improvement Scheme for Risegate First meeting of the scheme for Risegate
		Langtoft and the Deepings Internal Drainage Board. Great flood (breach Crowland Bank and River Glen Bank). result of the newly constituted Baston, Drainage Board the Deepings Internal Crowland Bank and River Glen Bank).
1948	23.16	Scheme approved to improve the drains Work commenced as N
1949 1950	20.06 24.19	Work commenced on North and South Drove Drains Scheme. Opening of Bourne South Fen Pumping Station. Undertaken
1951	27.67	Old Beam Engine st D
1952	22.64	for longest period on record. Improvement of Gravel Drain. Demolition of Holland and F
1953	23.15	Francisco alla Regione al
		First meeting of the newly constituted Maxey Internal Drainage Board. Opening of New Pumping Stations. Two large
1954	29.41	Delph Diversion and a Fosdyke Marsh
1955	20.55	mnna
1956 1957	23.07 23.95	Schemes undertaken. Lock's Dyke Improvement Scheme completed
1958	31.39	Opening of the Adventurer's New Pumping Station. Scheme approved for new electric pump for North Fen. New sluice doors Work started on North and South Drove Drains Improvement Scheme.

FROM 1941 TO 1966

Year	Inches	Remarks
1959	17.98	Pode Hole Bridge and Cuckoo Bridge re-built. Crowland and Cowbit Washes Improvement Scheme commenced at Lock's Mill.
1960	29.97	Rasens Dyke Improvement. Reconstruction of Cottages at Pode Hole. Flooding in Northborough. Maxey Board complained to Welland River Board that the chief cause of flooding was excessive flow in the new Maxey Cut impeding discharge of Clayfield Drain.
1961	21.47	Westlode and Pennygate Drain Improvement Schemes. Tidal surge 20th March, 1961 - two breaches in Vernatt's Bank. Heightening of Vernatt's Drain
1962	18.23	Work commenced on new pumping station at Pode Hole: - three new diesel pumps. New inner safety doors fitted at Risegate Eau and Five Towns Sluices. Overflow weirs placed in Gravel Drain.
1963	20.14	New freshwater intake tunnel from kivel Welland near Cross Drain. Freshwater supply scheme for Baston and Langtoft area. Opening of new Five Towns Pumping Station. Scheme approved for new pumping station at outfall of
1964	16.77	Barron's Bridge reconstruction. Improvement of Blue Gowt Outfall Drain and Crowland Common Main Drain.
1965	25.96	Official opening of new diesel engine pumping station at Pode Hole. Improvement of Fantail Drain, Sir John's Dyke and 5th District Cradge Dyke. New pump for Fosdyke Marsh and new pump for Frampton and Kirton Marsh.
1966	26.50	Newborough Wash Improvement Scheme. Reconstruction of Stowgate Bridge. Coolin's Drain Improvement Scheme. King Street Dyke made Main River.

Year	Inches	
1967		remarks
1907	20.42	Work in progress on new Pumping Station for Crowland and Cowbit Washes. Improvement of Green Drain and 6th District
		of Green Drain and 6th District Cross
		over by the Board and Brains taken
400	(2)	Hole. "William Dennis" and "Henry
1968	26.43	Official opening of the more
	¥	for Crowland and Cowbit Washes. Frognall Drain and Hallmeadow Drain Tro
		Drain and Hallmeadow Drain Improvement
33 and		Schemes. Severe "blow" of "black-lands"
		rainfall recorded in garage inches of
1969	25.09	Outfall. Improvement of the New River
		Improvement of the New River, Crowland and Cowbit Washes. Improvement to Hallmeadow Drain, Frognall Drain, Tallington
		Drain, Frognall Drain, Tallington Drain, Old Sea Drain and Deepleks Hallmeadow
		Old Sea Drain and Deeplake Hole. New
		method of roding with bucket mower
		attached to hydraulic excavator. Very wet spring - moisture deficit in the
		Fen virtually nil since July, 1968.
1070		Deening Deening Tor Godsey Lane, Market
1970	20.77	Improvement of Westlode Drain
		Drain. Piping-in of Park Road Dyke to
		Improved Table Harsn. Pinchheck
		attached to tractor for
		New Wilder-Powell weedcutter. New
1004		Marsh Stations for Surfleet and Surfleet
1971	20.04	North and South Drove Droing T
		(1971) commenced at Pode Hole. Recon-
		struction of Town End Tunnel, Deeping St.
		Road Dyke, Mayor Poor Jun District Cross
		scheme of Welland and W. strongly opposed
		to divert storm water from Bretton
		through Brook Drain.

FROM 1967 TO 1975

	- 1 - 2	Remarks
Year	Inches	Reconstruction of Platts Bridge over the Experiments with
1972	18.21	Diuron to control submerged weeds.
		Maxey, Baston and Internal Drainage Boards. The Winter Internal Drainage Boards. The Winter of 1971/72 very dry and little pumping of 1971/72 very dry and little pumping at Pode Hole.
1973	20.21	pump at Crowland and Cowbit wash pump at Crowland and Cowbit wash pumping Station. Additional drains pumping Station. The interior to be "taken-over" in the interior
		of Deeping renovation of the North Welland Last meeting of the North Welland Internal Drainage Board. Internal Drainage Board. Last meeting of the Baston, Langtoft Last meeting of the Maxey Internal Last meeting of the North Welland Last meeting of the Roard. Last meeting of the Roard. Last meeting of the Roard. Last meeting of the Maxey Internal Last meeting of the Maxey Internal Last meeting of the Roard.
		First meeting of the newly constituted First meeting of the newly constituted First meeting of the newly constituted
1974	22.29	Board. Improvement of Coll Drain, Gosberton. Scheme to lower pumps at Bourne South Fen. to lower pumps at Bourne South Fen. Underpinning of Railway Bridge and Underpinning of Railway Bridge and Luck's Bridge, South Drove Drain. Luck's Bridge, South Drove Drain. The third very dry winter. The third very dry winter.
197	5	Another dry winter with little pumping required. Another dry winter with little pumping required. Reconstruction of Bourne South Fen Reconstruction to lower pumps due to Pumping Station to lower pumps due to shrinkage of peat. The "coming-to-light" of The Great Northern Railway Act of of The Great Northern Railway Act of 1846. Improvement of the Gravel Drain to take run-off from residential develop- to take run-off from residential develop- ment at Market Deeping. High water levels in April in Bretton River, Glinton.

PODE HOLE RAINFALL

..... 1829 to June 1975

	Month] Averag	TIOILUNI V ROCCORD
January	1.95	1972 1973 1974 1975
February	1.59	(1880) 1.92 0.60 1.50 2.02
March	1.56	1.11 0.66 1.59 0.76
April	1.65	(1947) 4.23 0.19 (1929) (1944) 2.48 0.61 0.98 3.54
May		(1829) 4.87 0.13 (1893) 1.29 1.56 0.30 2.85
June	1.90	(1843) 5.60 0.15 (1836) 1.57 3.84 0.67 2.39
	2.05	(1861) 5.63 0.12 (1925) (1962) 1.23 3.52 2.21 0.44
July	2.49	(1875) 9.00 0.25 (1885) (1952) 1.47 2.98 2.13
August	2.50	(1878) 6.75 0.05 (1997)
September	2.10	(1880) 5.91 0.25 (1843)
October	2.32	(1880) 5.75 0 13 (100)
November	2.22	(1850)
December	1.97	(104-)
Yearly		(1910) 4.97 0.25 (1843) 2.20 1.43 0.91
Average 2	4.31	

LENGTH OF DRAINS MAINTAINED

	Miles	Chains
Kirton and Frampton Marsh Fosdyke Marsh Five Towns District Risegate Eau District Spalding and Pinchbeck District Deeping Fen 1st District	5 3 23 43 26	4 22 12 46 67
2nd District 3rd District 4th District 5th District	3 6 5 13	35 45 61 3 29
6th District General District Crowland Common Deeping St. James Bourne and Thurlby District	13 113 7 10 22	54 49 15 64 25
Crowland and Cowbit Washes Baston, Langtoft and Deepings District Maxey District	28 28 55 415	38 21 30