<u>Name</u>	Pyrcl Date	nase Price	Written Down Value £
Brought fo	rward		61,375
Bedford Van MJI, 269H	1969	549	50
Bedford Van XJL 818L	1973	774	300
Bedford Van PJL 532M	1974	915	630
Bedford Pick-Up PDO 826M	1974	1,606	1,160
Bedford Tipper GJL 565N	1975	3,945	3,300
14" Gwynnes Twin Pumps			100
4" Rap er Portable Pump			10
3" Alcon Pump	1960	177	25
3" Pegson Sludge Pump	1966	295	40
6" Potter Portable Pump	1960	71	25
Honda Generator	1973	203	150
Broomwade Compressor	1973	1,214	900
Broomwade Breaker	1973	108	100
Parker Concrete Mixer	1964	214	40
Concrete Vibrator	1961	140	20
Road Rammer	1962	57	10
Steel Barge			395
Dutch Boat	1962	35	5
Reed Punts (3)	1963	160	35
Ferry Boat	1962	80	15
Outboard Motors (2)	1963	47	48
Petrol Pump	1964	60	50
Winches (3)			25
Trewella Winch			27
Pile Frames (3)	1969	153	135
Saw Bench & Electric Motor	1973	269	300
Chain Saw	1967	88	50
Paint Spray Equipment	1967	41	30
Flymo Mower	1974	84	84
	(46)		€ 69,434
	(40)		

(Office Furniture	Cost	
	Name	<u>Cost</u> £	
	General	609	
	Stanford Plan File	45	
	Westminster Plan File	191	
	Cashier's Drawer	50	
	Chubb Safe	128	
	Chubb Drawer Cabinets (2)	282	
	and the second s	615	
	Chairs (35)	£ 1,920	
	*	2 19720	
	Office Machines		
	N.C.R. Adding Machine	25	
	Olympia Adding Machine	55	
	Ajax Numbering Machines (2)	199	
	Philips Computer, Card Reader	7,965	
	& Programmes	88	
	Burroughs Calculating Machine	245	
	Dataset Hand Punch	25	
	Hermes Typewriter	176	
	Hermes Electric Typewriter		
	Hermes Electric Typewriter	204	
	Tape Recorders (2)	58	
	Copycat Offset Machine	725	
	Copycat Copier Machine	431	
	Photocopier	80	
	Neopost Franking Machine	105	
	Rotolite Print Machine and Stand	482	
	Projector and Screen	123	
		£ 10,986	
		top of the second secon	
	Summary: Property		440,889 69,434
	Plant Office Furniture		1,920
	Office Machines		10,986
		€	523,229

DETAILS OF PUMPING STATIONS

Date Installed	1970	1968	1963 1963	1965	1971	1971	1953
Cusecs	25	12	099	2000	22.00	20 20 20 20 20	320
Size	22"-55 HP Electric	18"-45 HP Electric	35"-200 HP Electric 35"-200 HP Electric 35"-200 HP Electric	30"-200 HP Electric 30"-200 HP Electric 30"-200 HP Electric	21"-40 HP Electric 21"-40 HP Electric	21"-28 HP Blectric 21"-28 HP Blectric	20"-45 HP Electric 24"-75 HP Electric
Pumps	Mixed Flow	Mixed Flow	Mixed Flow Mixed Flow Mixed Flow	Mixed Flow Mixed Flow	Submersible Submersible	Submersible Submersible	Axial Flow Axial Flow
Lift (<u>Ft</u>)	0.	12,25	444 nun	444 7000	WW	9,00	00
Pumping	Kirton and Frampton (890 acres)	Fosdyke Marsh (580 acres)	Five Towns (8,000 acres)	© Risegate Eau (8,400 acres)	Surfleet Marsh (1,250 acres)	Surfleet Newbury (1,250 acres)	Pinchbeck Marsh (3,410 acres, Spalding and Pinchbeck)

DETAILS OF PUMPING STATIONS (Cont'd)

<u>Date</u> <u>Installed</u>	1953	2000 2000 2000 2000 2000 2000 2000 200	1964	1949	1973	1959
Cusecs	380	445 884 806 844 864	145	200	328	25.8
Size	20"-45 HP Electric 24"-75 HP Electric	30"-100 HP Electric 39"-185 HP Electric 60"-650 HF Diesel 60"-650 HP Diesel	50"-410 HP Diesel	20"-62½ HP Electric 24"-100 HP Electric	22"-75 HP Electric 27"-120 HP Electric	16"-30 HP Electric
Pumps	Axial Flow Axial Flow	Axial Flow Axial Flow Axial Flow Axial Flow	Axial Flow	Mixed Flow Mixed Flow	Axial Flow Axial Flow	Axial Flow
11年(11年)	00	NAWION		to to	$\tilde{\omega}$ $\tilde{\omega}$	· CV
Pumping	4th District (2,740 acres)	Pode Hole (30,600 acres, Deeping Fen)	(5,170 acres Baston and Langroft)	Bourne South Fen (3,240 acres)	Brotherhouse Bar (2,450 acres, Crowland and Cowbit Washes)	North Fen (820 acres, Northborough)

(49)

PODE HOLE ANNUAL RAINFALL

Year	Inches	Remarks
	30,25 34,29 34,32 28,87	Glen Bank broke. Glen Bank broke.
1833 1834 1835	24.95 18.10 24.20	Dry, July excepted.
1837 1838	26,65 23.90 21.10	Glen Bank broke.
1839 1840 1841	31.65 21.30 29.45	Coal used - 1.350 tons - Several new drainage steam engines erected in the Fens.
1842 1843 1844	32.10 29.45 22.20	Low rainfall,
	27.25 26.10 25.62	8 year's average - 27 inches. "Kesteven" engine wheel lowered 14 inches first time.
1848 1849 1850 1851	34.30 27.45 20.94 22.25	cime.
1852 1853	31.00 26.63	Great floods in the Fens and in Cowbit Wash.
1854 1855 1856	17.75 22.00 22.63	Slightly below 1834 - dry.
1857 1858	27.88 17.50 25.25 30.38 25.75	Vernatt's new Sluice opened. Similar to 1854.
1862	24.88	"Holland" engine wheel lowered 14 inches first time.
1863	22,88	First meeting of the newly constituted Drainage Board of the Maxey District. Ordered that the Surveyor take necessary steps for preserving the North Fen from flood water.
1864 1865 1866	17.63 29.13 26.75	Dry year; similar to 1854. Welland landed up by Tides. Welland landed up by Tides. Surveyor ordered to
1867	23.38	engage a Steam Engine to drain North Fen. Welland landed up by Tides.

FROM 1829 TO 1895

Voor	Inches	Remarks
<u>Year</u> 1868	24.75	Hot dry spring! Pastures burnt up May, June, and July. Rainfall & inch.
1869 1870	27.88 16.88	May flood. Lowest yet recorded.
1871 1872	25.50 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. "Holland" engine wheel lowered 18 inches.
1873 1874 1875 1876 1877	19.63 16.25 32.25 31.00 24.25	Another ten years since 1004 dr. Great changes set in this year. North and South Drove Drains cleaned out. North and South Bourne North Fen, Great Glen Bank broke into Bourne North Fen, Great
		18 inches deep on road.
1878 1879 1880	25.60 24.35 37.14	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 1882	26.13 30.50	"Kesteven" wheel lowered to inches. Glen Bank broke south side. Water at Pode Hole 6ft. 10 ins. in Fen, 8ft. 4 ins. in Vernatts. Plan and estimate prepared for work for preventing the irruption of flood
1883	30.90	Low water in Welland, 12 inches below sale
1884	16.75 23.90	Ten years again and dry.
1886 1887		May flood. The lowest recorded. Crossgate Bridge rebuilt. New pump for North Fen: New 4ft. dia. Holmes Turbine Pump 150 100 Fixing pump £ 250
4 000	21.50	
1888 1889		
1890 1891 1892	20.13	No rain in February. "Holland" wheel lowered 4 inches - total 3ft. since 1825. New Dredger launched.
1893 1894 1895	1 22.38	Very dry summer. Welland again heavily landed up by Tides. February 9th - 35 degrees of frost in Spalding.

PODE HOLE ANNUAL RAINFALL

<u>Year</u>	Inches	Remarks
1896 1897	22.75 23.64	Glen North Bank broke at Guthram, highest known
1898 1899	20.25 20.91	Portion of Counter Drain cleaned out, inner bank strengthened. North Fen Steam Engine not to work unless water stood at a depth of
1900	28.50	6ft. 3 ins. on gauge. Improvement of River Glen, mud ploughing and casting out.
1901 1902	22.38 22.63	Delph Drain deepened and widened.
1903 1904	30.74	Wet year. Rainfall in October, 6.25 inches. "Kesteven" wheel lowered 4 inches - total 3ft. since 1825.
1905	24.63	High tide in Welland, January 6th - 17ft. 9 ins. on Glen Sluice gauge. River overflowed bank at Pigeon End. Maxey Surveyor instructed to repair the Low Lock Door and clean out the south half of the River Welland.
1906 1907 1908 1909 1910	25.75 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, 3rd December.
1911	18.98	Horseshoe, Money and Cuckoo Bridges re-built in Ferro-concrete. New steam engine for North Fen from Messrs. Clayton and Shuttleworth and Company for £180.
1912	29.38	Rainfall August 26th - 2.14 inches in 24 hours. Highest recorded flood in Glen, 27th August.
1913	21.11	South Drove Drain cleaned out. Crowland Bridge re-built in Ferro-concrete.
1914 1915	21.85 25.74	Diesel engine and pump started work, April. North Drove Drain cleaned out. Vernatt's Drain Improvement.
1916 1917 1918 1919 1920 1921 1922 1923 1924	27.89 19.94 26.46 26.49 24.08 12.66 26.31 22.89 26.45	Delph Drain Improvement commenced. Low rainfall (under 20 inches). Heavy rainfall - September. Driest year on this record.
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FROM	1896	TO	1947
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Year	Inches	Remarks
1925 1926	23.00 23.47	Proprietors of Helpston Paper Mills requested to filter their water before entering Board's
1927	29.49	drains. Highest reading ever recorded on Vernatt's gauge (December) 12ft. 4 ins.
1928	25.29	Old Steam Engines replaced by "William Dennis"
1929	20.90	New oil engine for North Fen purchased from Messrs. Blackstones of Stamford for £352-8-3.
1930	25.04	
1931 1932 1933	25.77 25.35 18.10	New engine sned at North Fen for £128-10-0.
1934	18.63 23.87	New Lighter Boat introduced.
	25.81	
	29.86	First meeting of the newly constituted North
1938	19.73	Welland Internal Drainage Board, Repairs
1939	28.14	First meeting of the newly constituted Deeping Fen, Spalding and Pinchbeck Internal Drainage Board. "Dennis" Pump ran 396
1940	22.38	"Henry Bain" pump installed. Improvement schemes undertaken in Maxey Area at request of Ministry of Agriculture, Fisheries and Food.
1941	30.79	Vernatt's Improvement scheme started.
1942	22.21	New Pump for Fosdyke Marsh Area. Shoals Drain Improvement scheme commenced.
1943 1944	18.75 23.88	Vernatt's Scheme completed.
1945	20.17	
1946	27.19	Work commenced on Bourne South Fen Pumping Station. Improvement scheme for Risegate Eau.
1947	18.88	a li conatitutod Bacton

PODE	HOLE	ANNUAL	RAINFALL

<u>Year</u>	Inches	Remarks
1948	23.16	Work commenced on North and South Drove Drains scheme.
1949 1950	20.06 24.19	Opening of Bourne South Fen Pumping Station. Deeping St. James Improvement Scheme undertaken.
1951	27.67	Old Beam Engine at Pinchbeck Marsh operated for longest period on record. Improvement of Gravel Drain.
1952	22.64	Demolition of Holland and Kesteven Steam Engines.
1953	23.15	First meeting of the newly constituted Maxey Internal Drainage Board. Opening of Fourth District and Pinchbeck Marsh New Pumping Station. Two breaches in tidal bank on Fosdyke Marsh.
1954	29.41	Delph Diversion and Counter Drain Washes
1955	20.55	Improvement Scheme commenced. Jordan's Drain Diversion and Hallmeadow Drain
1956 1957	23.07 23.95	Schemes undertaken. Lock's Dyke Improvement Scheme completed. Opening of the Adventurer's New Pumping Station. Scheme approved for new electric pump for North Fen. New sluice doors fitted at Five Towns Sluice.
1958	31.39	Work started on North and South Drove Drains
1959	17.98	Improvement Scheme. 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. 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. Flooding
1961	21.47	in Northborough. Westlode and Pennygate Drain Improvement Schemes. Tidal surge 20th March - two breaches in Vernatt's Bank. Heightening of Vernatt's Drain Bank commenced.
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.

FROM 1948 TO 1969

Year	Inches	Remarks
-	20.14	New freshwater intake tunnel from River 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	Risegate Eau. Barron's Bridge reconstruction. Improvement of Blue Gowt Outfall Drain and Crowland
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
1967	20.42	Work in progress on new Pumping Statement Crowland and Cowbit Washes. Improvement of Green Drain and 6th District Cross Road Dyke. Category 'B' Drains taken over by Board after improvement. New house for Pump Attendant at Pode Hole. "William Dennis" and "Henry Bain" Pumps
1968	26.43	Official opening of the new rumping Station To Crowland and Cowbit Washes. Frognall Drain and Hallmeadow Drain Improvement Schemes. Severe "blow" of "black-lands" in March. 11th July - 4.51 inches of rainfall recorded in Spalding. New tidal
1969	25.09	Improvement of the New River, Crowland and Cowbit Washes. Improvement to Hallmeadow Drain, Frognall Drain, Tallington Drain, 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. Drainage Scheme for Godsey Lane, Market Deeping.

PODE HOLE ANNUAL RAINFALL

Year	<u>Inches</u>	Remarks
1970	20.77	Improvement of Westlode Drain and Broughton's Drain. Piping-in of Park Road Dyke to drain Spalding. Hill Marsh, Pinchbeck, Improvement Scheme. New Flail Mower attached to tractor for cutting "batters".
		New Wilder-Powell weedcutter. New pumping stations for Surfleet and Surfleet Marsh.
1971	20.04	North and South Drove Drains Improvement Scheme (1971) commenced at Pode Hole. Reconstruction of Town End Tunnel, Deeping St. James. Improvement of 5th District Cross Road Dyke. Maxey Board strongly opposed scheme of Welland and Nene River Authority to divert storm water from Bretton through Brook Drain.
1972	18.21	Reconstruction of Platts Bridge over the Vernatt's Drain. Experiments with Diuron to control submerged weeds. Proposals to amalgamate Deeping Fen, Maxey, Baston and North Welland Internal Drainage Boards. The winter of 1971/72 very dry and little pumping required at Pode Hole.
1973	20.21	Another very dry winter with little pumping required at Pode Hole. New additional pump at Crowland and Cowbit Wash Pumping Station. Additional drains to be "taken-over" in the interior of Deeping Fen. Last meetings of the North Welland Internal Drainage Board, Baston, Langtoft and the Deepings Internal Drainage Board, Maxey Internal Drainage Board and the Deeping Fen, Spalding and Pinchbeck Internal Drainage Board. First meeting of the newly constituted Welland and Deepings Internal
1974	22.29	Drainage Board. Improvement of Coll Drain, Gosberton. Scheme to lower pumps at Bourne South Fen. Underpinning of Railway Bridge and Luck's Bridge, South Drove Drain. The third very dry winter.

FROM 1970 TO 1976

Year	Inches	Remarks
1975	19.79	Another dry winter with little pumping required. Reconstruction of Bourne South Fen Pumping Station to lower pumps due to shrinkage of peat. The "coming-to-light" of The Great Northern Railway Act of 1846. Improve-
		ment of the Gravel Drain to take run-off from residential development at Market Deeping. High water levels in April in Bretton River. Glinton.
1976		A record dry winter with only 6.03 inches rainfall from October to April inclusive. Severe drought in spring. Main drains treated with Terbutryne to control algae and submerged weeds. Tenders received for new Pump at North Fen, Northborough. New gear unit for tractor drive at electric pumping stations.

PODE HOLE RAINFALL

0 0	000	1829	to	April	1976	0 6	 e	0	0
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	Monthly Average	Monthly I Highest	Recorded Lowest	<u>Actual Monthly</u> 1973 1974 1975 1976
January	1.95	(1956) 4.89	0.25 (1858) (1880)	0.60 1.50 2.02 1.31
February	1.59	(1900) 5.25	0.00 (1891)	0.66 1.59 0.76 0.56
March	1.56	(1947) 4.23	0.19 (1929) (1944)	0.61 0.98 3.54 0.52
April	1.65	(1829) 4.87	0.13 (1893)	1.56 0.30 2.85 0.44
May	1.90	(1843) 5.60	0.15 (1836)	3.84 0.67 2.39
June	2.04	(1861) 5.63	0.12 (1925) (1962)	3.52 2.21 0.44
July	2.48	(1875) 9.00	0.25 (1885) (1952)	2.98 2.13 1.95
August	2.50	(1878) 6.75	0.05 (1947)	0.53 3.42 0.84
September	2.10	(1880) 5.91	(1843) 0.25 (1855) (1890)	2.33 2.22 1.79
October	2.31	(1903) 6.25	0.13 (1888)	1.43 3.62 0.59
November	2.22	(1852) 5.25	0.42 (1909)	0.72 2.73 1.32
December	1.97	(1910) 4.97	0.25 (1843)	1.43 0.91 1.29

Yearly 24.28 Average

LENGTH OF DRAINS MAINTAINED

	Miles	Chains	<u>Kilometres</u>
Kirton and Frampton Marsh	5	4	8.128
Fosdyke Marsh	3	22	5.271
Five Towns District	23	27	37.564
Risegate Eau District	43	46	70.138
Spalding and Pinchbeck District	27	6	43.579
Deeping Fen			2.506
1st District	5	67	9.396
2nd District	3	35	5.533
3rd District	6	72	11.106
4th District	5	61	9.275
5th District	13	3	20.985
6th District	13	29	21.508
General District	113	26	182.408
Crowland Common	7	49	12.253
Deeping St. James	10	15	16.398
Bourne and Thurlby District	22	64	36.698
Crowland and Cowbit Washes	28	25	45.572
Baston, Langtoft and Deepings District	28	38	45.833
Maxey District	55	21	88.950
	416	50	670.595