

EAST DEMERARA WATER CONSERVANCY BOARD

GEORGETOWN, BRITISH GUIANA.

Commissioners :

W. A. CAMPBELL, Esq.,	Chairman — Conservancy
G. B. GREENFIELD, Esq.,	Commissioner Lamaha Estates
J. BAXTER, Esq.,	do. do.
R. T. FINDLAY, Esq.,	do. East Coast Estates
T. O. TULLY, Esq.	do. do.
R. A. WILKINS, Esq.,	do. do.
K. L. YHAP, Esq.	District Commissioner East Demerara
L. F. S. BURNHAM, Esq.	Mayor, Town Council
C. A. MERRIMAN, Esq.,	Rep. " "

I. GRANT, Esq., Consulting Engineer

Commissioners' Report

FOR YEAR ENDING 31ST DECEMBER, 1959.

Rainfall at Lama for year is as follows:—

	1959		1958	
	Ins.	Pts.	Ins.	Pts.
January	4	00	3	03
February	3	28	3	16
March	3	37	3	73
April	2	96	17	26
May	3	84	5	86
June	17	46	8	37
July	18	19	1	82
August	4	84	10	48
September	2	95	1	17
October	3	61	4	38
November	8	38	—	—
December	13	81	3	86
TOTAL	86	69	63	12

	1959	1958
Rain fell in January	14 days	7 days
February	8 "	13 "
March	8 "	11 "
April	10 "	24 "
May	9 "	15 "
June	20 "	19 "
July	25 "	8 "
August	12 "	14 "
September	6 "	2 "
October	13 "	10 "
November	15 "	— "
December	20 "	11 "
TOTAL	160 days	134 days

The highest water level at Lama was on Monday 20th July	57.65 G.D.
The lowest water level at Lama was on Saturday 3rd January	51.35 G.D.
The water level at Lama on the 31st December was	57.00 G.D.

Kokers closed during the year from 1st January to 3rd February and from 4th March to 6th March, and on time run from 4th February to 4th March, and from 6th March to 3rd June.

All kokers were fully opened from 4th June.

COMMISSIONERS' HOUSES :

These are in good order, all pipelines for pumping water to the houses have been connected and the Electric Motor is working satisfactorily.

LABOURERS' HOUSES :

The building South of New Sluice has been repaired and all houses are now in good condition.

FIRES :

Due to dry weather there were fires, in the Savannahs behind Nonpareil, Enmore and Cane Grove on the East Coast, and at Friendship on the East Bank. Fires also burnt out parts of dams on the Conservancy, and the damaged dams were subsequently repaired.

PUNTS :

With the exception of one wooden bottom punt which has to be repaired, the other four punts and the three punt-houses are in good condition.

COMMISSIONERS' CHANGES :

There were four changes and one resignation during the year.

R. T. Findlay, Esq. acting for Mr. W. A. Campbell, Chairman on furlough.

R. B. Mitchell, Esq. acting for Mr. J. Baxter on furlough.

D. L. Yhap, Esq. acting for Mr. R. A. Cheong, District Commissioner, on furlough.

T. O. Tully, Esq., succeeded Mr. H. Lissone, who has resigned.

J. Buchanan, Esq. acting for Mr. I. Grant, Cons. Engineer on furlough.

COMMISSIONERS' VISITS :

W. A. Campbell, Esq., Chairman on the	31st Dec. 1958	—	4th January, 1959
	13th	—	15th January
	28th	—	30th "
	27th	—	30th March
	16th	—	18th May
	10th	—	13th July
	31st Dec. 1959	—	1st January, 1960
R. A. Wilkins, Esq., Commissioner		—	14th January, 1959
		—	20th May
G. B. Greenfield, Esq. do.	27th	—	30th March
R. T. Findlay, Esq. do.	27th	—	30th March
	10th	—	13th July
	26th	—	27th September
R. A. Cheong, Esq. District Commissioner		—	20th May
L. F. S. Burnham, Esq. Mayor, Town Council	27th	—	29th March
T. O. Tully, Esq. Commissioner	10th	—	13th July
I. Grant, Esq. Cons. Engineer	27th	—	30th March
	10th	—	13th July
J. Baxter, Esq., Commissioner	26th	—	28th December

BOATS :

Two corials have been purchased, the new boat "Badrima" which replaced the condemned boat "Mahaica" was taken into service during February.

BOAT HOUSES :

The two small boat houses at Haulover are in need of minor repairs. The one at the back of the Botanical Garden is in very good condition.

STOP-OFFS :

Stop-off in front and back of Memorial at Lama is in good condition.

LAUNCHES :

Launch "Sir Frederick" has been kept in good condition and working satisfactorily.

LIGHTING PLANT :

This Unit is in very good order and gave no trouble during the year.

OUTBOARD MOTOR :

During the year two Archimedes motors were condemned and replaced by one new and one second hand 11/12 horse power. The six horse power Archimedes purchased last year, and the five horse power Archimedes are all working satisfactorily. Inboard Motor Redwing is also in good working condition.

FIREBOATS :

Fireboat "H.R. Barnwell" is in good order and stationed at Benab. The D 34 Diesel Engine Warsop Pump is stationed at Lama, both pumps were very useful during the dry weather extinguishing fires on the different dams.

TAKING IN WATER :

Due to low water level in the Conservancy Irrigation Pumps had to be installed at Maduni and Lama Sluices--and worked as follows:--

- MADUNI SLUICE -

							Hours
January	10th	-	12th	-	1 pump	2 days @ 22 hrs. per day combined	44
					5 "	21 " " " "	2,310
February	1st	-	20th	-	1 "	20 " " " "	440
	1	-	28th	-	4 "	28 " " " "	2,464
March	1	-	31st	-	5 "	31 " " " "	3,410
April	1	-	30th	-	5 "	30 " " " "	3,300
May	1	-	31st	-	5 "	31 " " " "	3,410
June	1	-	3rd	-	5 "	3 " " " "	330
<u>166 days</u>							<u>15,708</u>

- LAMA SLUICE -

							Hours
January	10th	-	17th	-	1 pump	17 days @ 22 hrs. per day combined	374
	27	-	31st	-	2 "	4 " " " "	176
February	1	-	28th	-	1 "	28 " " " "	616
March	1	-	31st	-	1 "	31 " " " "	682
April	1	-	30th	-	3 "	30 " " " "	1,980
May	1	-	31st	-	3 "	31 " " " "	2,046
June	1	-	3rd	-	3 "	3 " " " "	198
<u>144 days</u>							<u>6,072</u>

RELIEF SLUICES :

Lama new sluice and Paaling off are in good order, Lama old sluice North and South west Paal off still needs attention and will have to be renewed over a length of 48 feet in 1960.

Maduni old and new sluices and paaling off are all in good condition.

Land of Canaan paaling off on Road and Extension Sluices are in good condition. It appears that the concrete groove at the bottom of the Road Sluice has been damaged as water can be noticed passing in and out (with the rise and fall of the tide) of the Relief Canal when the sluice door is closed.

Lama old sluice was opened for relieving purposes	..	..	..	1 day
Maduni old sluice was opened for relieving purposes	..	..	..	2 days
Maduni new sluice was opened for relieving purposes	..	..	..	2 "
Land of Canaan was opened for relieving purposes	..	..	..	20 "

NEW SHANKS CANAL :

Due to fire, burnt out spots on the dams have been made up. The Intake Koker connected with Shanks Canal is in good condition, with the exception of Vereeniging which is undermined, and Good Hope where rod and wheel are missing.

DAMS AND CANALS :

The dams are in good condition, but due to fire, several spots had to be strengthened and raised particularly from Pole 4 - 16 East Service and Pole 2 - 10 North Wing Dam.

Old Shanks Canal still calls for close observation, and paaling off work is expected to be carried out in 1960.

HAULOVER :

Is in good order, but the paaling off in front of the ranger's house will have to be renewed over a length of 50 feet as soon as convenient.

LOCK BENAB :

Extensive repairs will have to be carried out as soon as funds become available. No provision has been made for this work during 1960.

PAAL-OFFS :

The paaling off in front and back of the Memorial is in good condition. Paaling off East and West of Road Sluice at Land of Canaan, and Extension Canal sluice is in good condition. Paaling off behind Le Repentir Cemetery has been extended by 760 feet, but approximately 500 feet still remain to be finished in 1960.

DREDGES :

The No. 1 Steam Dredge worked the whole year in the Badrima Creek over a length of 935 rods, and 280 rods in the Extension Canal.

The No. 2 Diesel Dredge worked the balance of 170 rods in Superintendent's cut, from there it worked in the Lamaha Canal dredging 750 rods. Due to burnt out dams the dredge had to be transferred to the East Service Canal for raising and strengthening the dams over a length of 1,123 rods, from there the dredge moved into the North Wing Canal and completed 1,300 rods on the east half and 938 rods on the west half.

FOR DETAILS OF DREDGE WORK SEE BELOW

Dredge worked for year

The No. 1 Dredge

	Days	Rods	Cords of Wood	Cost of Fuel	Cost of Labour	Total Cost	Cost per Rod.
Badrima Creek	186	1215	242	\$1694.00	\$4454.00	\$6148.00	\$5.06

FUEL WOOD ACCOUNT**RECEIPTS**

Stock on hand at 1st Jan'y, 1959	..	..	..	43 cords @ \$7.00	.....	\$ 301.00
Cut during the year	..	..	..	279 ,, @ \$7.00	.....	1953.00
Total				322 cords		\$2254.00

DISPOSALS

Consumed during the year	..	..	..	242 cords @ \$7.00	.....	\$1694.00
Stock on hand	..	..	..	80 ,, @ \$7.00	.....	560.00
Total				322 cords		\$2254.00

The No. 2 Dredge (Diesel)

	Days	Rods	Dieselene	Cost of Fuel	Cost of Labour	Total Cost	Cost per Rod
Superintendent							
Cut	.. 11	170	15 glns.	\$ 7.91	\$ 262.50	\$ 270.41	\$1.59
Lamaha Canal	.. 45	750	90 "	37.66	675.75	713.41	.95
East Service Canal	.. 63	1123	245 "	104.97	1010.70	1115.67	.99
North Wing Canal	.. 109	2238	715 "	295.21	2184.00	2479.21	1.11
Total	228	4281	1065 glns.	\$445.75	\$4132.95	4578.70	\$1.07
Received during the year	..	..	1790 glns.	..	..	\$753.45	
Consumed during the year	..	..	1065 glns.	..	..	\$445.75	
Stock on hand	..	..	725 "	..	..	307.70	
			1790 glns.	..	..	\$753.45	

EXPENSE ACCOUNT MANAGEMENT:—

	Estimated	Actual
Secretary	\$ 1,740.00	\$ 2,102.50
Superintendent	3,600.00	4,320.00
" Trav: Expenses	480.00	480.00
Consulting Engineer	900.00	900.00
" Engin: Trav. Exp.	75.00	—
Auditor	300.00	300.00
Sundries	—	960.00
	<u>\$ 7,095.00</u>	<u>\$ 9,062.50</u>

COMMISSIONERS' HOUSES :—

Servants etc.	\$ 1,050.00	\$ 1,116.00
Repairs & Painting	1,000.00	387.84
Upkeep of Yard & Paal-off	1,000.00	—

Sundries	1,000.00	368.12
	<u>\$ 4,050.00</u>	<u>\$ 1,871.96</u>

OFFICE EXPENSES :—

Clerical Assistant	\$ 250.00	\$ 250.00
Attendant	160.00	160.00
Telephone Rent	100.00	56.66
Printing, Stationery	400.00	362.69
Stamps for Postage, Receipts & Cheques	65.00	32.00
	<u>\$ 975.00</u>	<u>\$ 861.35</u>

REPAIRS & RENEWALS (Including Painting)

Labourers' Cottages	\$ 500.00	\$ 833.48
Annandale Watch House	500.00	—
Cane Grove	—	—
Boat Houses	1,000.00	374.22
Haul Over	500.00	—
Boats	500.00	499.37
Iron Punts	500.00	—
Lock (Benab)	500.00	219.50
	<u>\$ 4,000.00</u>	<u>\$ 1,926.57</u>

Sluices :—

Lama	\$ 1,700.00	\$ 133.26
Maduni	500.00	57.94
Benab	500.00	—
Land of Canaan	500.00	—
	<u>\$ 3,200.00</u>	<u>\$ 191.20</u>

No. 1 DREDGE :—

Foundry Work & Spares	\$ 2,500.00	\$ 254.14
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No. 2 DREDGE :—

Foundry Work & Spares	\$ 1,600.00	\$ 390.28
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MOTOR LAUNCH :—

Launch Crew	\$ 5,000.00	\$ 5,450.00
Repairs	500.00	538.66
Supplies	450.00	1,152.72
Fuel	1,000.00	1,098.79
	<u>\$ 6,950.00</u>	<u>\$ 8,240.17</u>

MISCELLANEOUS EXPENSES :—

Rent of Crown Lands	\$ 200.00	\$ 385.81
Royalty on Wood	200.00	—
Commissioners' Expen:	1,000.00	1,353.57
Messengers	—	—
Medical Attendance & Medicines	600.00	553.75
Insurance	2,500.00	1,178.00
Transporting Punts	—	349.00
Materials: Spars, Beams, etc.	600.00	—
Contingencies	5,000.00	4,772.20
Pensions	1,000.00	804.00
Interest on Loan	2,080.00	1,687.37
Sundries	1,000.00	—
	<u>\$14,180.00</u>	<u>\$11,083.70</u>

LAMAHA & EXTENSION CANALS :—

Cleaning Creeks & Canals	\$ 6,000.00	\$10,185.39
Repairing Dams	2,000.00	8,420.87
Foremen & Ranger	2,000.00	3,697.10
Exting: Fires	100.00	192.00
Gauges, Poles & Notice Boards	—	14.80

Priestman's Dredge

Labour	7,000.00	5,129.75
Fuel	2,500.00	2,108.37
Supplies	500.00	168.94
Repairs	—	1,607.51
Towing	—	—
Watchmen	450.00	796.00
	<u>\$20,550.00</u>	<u>\$32,320.73</u>

EXTENSION SCHEME CONNECTIONS :—

Clg. Canals, Weeding & repairing dams	\$ 2,200.00	\$ 318.00
Superintendence & Sundries	250.00	185.81
Land of Canaan Ranger	750.00	1,055.04
Land of Canaan Road Sluice	500.00	—
	<u>\$ 3,700.00</u>	<u>\$ 1,558.85</u>

EAST SERVICE CANAL :—

	Estimated	Actual
Weeding Canals & Dams	\$ 2,400.00	\$ 2,762.17
Repairing Dams	800.00	727.62
Ranger	500.00	767.24
Exting: Fires	50.00	233.28
Priestman's Dredge		
Work	3,500.00	1,010.70
Fuel	800.00	1,073.30
Supplies	500.00	30.56
Towing	—	110.00
Watchmen	400.00	42.00
Repairs	—	—
Repairing Gauges & Renewing Poles	250.00	—
	<u>\$ 9,200.00</u>	<u>\$ 5,790.87</u>

WEST SERVICE CANAL :—

Weeding Canals & Dams	\$ 1,800.00	\$ 1,872.45
Repairing Dams	100.00	3.18
Exting: Fires	50.00	—
Ranger	550.00	640.00
Superintendent's Cut	1,200.00	706.88
Priestman's Dredge		
Work	—	—
Fuel	—	—
Supplies	—	—
Repairs	—	—
Towing	—	—
Watchmen	—	—
Repairing Gauges & Renewing Poles	—	—
	<u>\$ 3,700.00</u>	<u>\$ 3,222.51</u>

NORTH WING DAM :—

Weeding Canals & Dams	\$ 1,500.00	\$ 1,972.27
Repairing Dams	2,000.00	2,103.43
Ranger	250.00	496.00
Exting: Fires	500.00	148.68
Priestman's Dredge		
Work	1,000.00	2,184.00
Fuel	200.00	718.66
Supplies	100.00	122.27
Repairs	—	279.37
Towing	—	57.00
Watchmen	150.00	179.12
	<u>\$ 5,700.00</u>	<u>\$ 8,260.80</u>

SOUTH WING DAM :—

Weeding Canals and Dams	\$ 500.00	\$ 723.06
Repairing Dams	2400.00	1866.68
Extinguishing Fires	10.00	—
Ranger	500.00	1083.76
Cleaning Maduni Creek	100.00	—
Priestman's Dredge		
" Work	—	—
" Fuel	—	—
" Supplies	—	—
" Repairs	—	—
" Towing	—	—
" Watchmen	—	—
Repairing Gauges and Renewing Poles	—	—
	<u>\$3510.00</u>	<u>\$3673.50</u>

ANNANDALE WATERPATH :—

Weeding Canals and Dams	\$1200.00	\$3160.47
Repairing Dam	50.00	58.00
Ranger	500.00	559.80
Extinguishing Fires	20.00	—
Cleaning Anira Creek	300.00	226.60
Priestman's Dredge		
" Work	—	—
" Fuel	—	—
" Supplies	—	—
" Repairs	—	—
" Towing	—	—
" Watchmen	—	—
Repairing Gauges and Renewing Poles	—	7.43
Cleaning Lama Creek	250.00	—
	<u>\$2320.00</u>	<u>\$4012.30</u>

SHANKS CANAL :—

Cleaning Canals	\$2000.00	\$1629.86
Weeding and Repairing Dams	1000.00	427.40
Ranger	600.00	726.72
Sundries	200.00	38.00
	<u>\$3800.00</u>	<u>\$2821.98</u>

SUMMARY :—

Expense Account	\$44,550.00	\$33,881.87
Lamaha Canal	20,550.00	32,320.73
Extension Scheme—Connections	3,700.00	1,558.85
East Service Canals	9,200.00	5,790.87
West Service Canals	3,700.00	3,222.51
North Wing Dam	5,700.00	8,260.80
South Wing Dam	3,510.00	3,673.50
Annandale Waterpath and Lama Creek	2,320.00	4,012.30
Shanks Canal	3,800.00	2,821.98
	<u>\$97,030.00</u>	<u>\$95,543.41</u>

EAST DEMERARA WATER CONSERVANCY

GENERAL MAINTENANCE

REVENUE ACCOUNT FOR YEAR ENDED 31ST DECEMBER, 1959.

DR:

CR:

To Expenditure on upkeep as per Analysed Statement	\$95,543.41	By Assessments collected	\$97,030.00
„ Balance being excess of Revenue over Expenditure	2,971.40	„ Interest received	1,003.47
		„ Fines collected	12.00
		„ Charge for supervising the repairs to Beterverwagting Sluice	469.34
	<u>\$98,514.81</u>		<u>\$98,514.81</u>

LOAN OF \$40,000:— OBTAINED FROM BOOKERS SUGAR ESTATES LTD. AND DEMERARA COMPANY, LTD. AND APPROVED BY B.G. GOVERNMENT FOR THE PURCHASE OF A PRIESTMAN DREDGE (DRAG LINE)

To repaid to 31st December, 1958	\$8,000.00	By Cash received from—	
„ „ during year 1959	4,000.00	Bookers Sugar Estates Ltd.	\$30,000.00
		Demerara Co., Ltd.	10,000.00
„ Balance owing to :—			<u>\$40,000.00</u>
Bookers Sugar Estates Ltd.	\$16,469.78	Less: unexpended amount repaid	6,040.29
Demerara Co. Ltd.	5,489.93		
	21,959.71	Cost of New Drag Line	33,959.71
	<u>\$33,959.71</u>		<u>\$33,959.71</u>

BALANCE SHEET AS AT 31ST DECEMBER, 1959.

LIABILITIES		ASSETS	
Loan Creditors—		Priestman Dredge (Drag Line)	
Bookers Sugar Estates Ltd,	\$16,469.78	Stock of Fuel:—	\$33,959.71
Demerara Co. Ltd.	5,489.93	Oil	307.70
	21,959.71	Wood	560.00
Sundry Creditors	4,186.16	Recoverable Expenditure for supplying water during drought in the year	43,489.33
Amounts due for expenditure re Drought to the following—		Cash at Barclays Bank—	
Ressouvernir Estates Ltd.	22,126.06	Current A/c	21,165.31
Enmore Estates Ltd.	9,935.17	Special A/c	1,200.00
Bookers Sugar Estates Ltd.	98.00		<u>22,365.31</u>
Blairmont Estates Ltd.	1,493.05		
Demerara Co. Ltd.	9,390.65		
Houston Estates Ltd.	446.40		
	43,489.33		
	69,635.20		
Depreciation Fund	12,000.00		
GENERAL RESERVE A/C:			
Balance at 31st December, 1958	13,183.00		
Add: transferred from Revenue A/c	306.33		
	13,489.33		
REVENUE A/C			
Balance at 31st December, 1958	2,892.45		
Add: Surplus being excess for year 1959	2,971.40		
	\$5,863.85		
Less: transferred to General Reserve	306.33		
	5,557.52		
	<u>\$100,682.05</u>		<u>\$100,682.05</u>

NOTE: For the purpose of the Balance Sheet no value has been placed on the Property.

Georgetown, Demerara,
7th January, 1960.

D. HOWARD
Secretary,
EAST DEMERARA WATER CONSERVANCY BOARD.

AUDITOR'S REPORT

I have examined the above Balance Sheet dated 31st December, 1959, with the Books, Accounts and Vouchers of the East Demerara Water Conservancy Board. I have obtained all the information and explanations I have required. The Balance Sheet is in my opinion properly drawn up, so as to exhibit a true and correct view of the state of the Conservancy Board, according to the information and explanations given me and as shown by the Books.

Georgetown, Demerara,
12th January, 1960.

ALEXANDER YHAP,
Auditor,
Certified Accountant.