

BRITISH GUIANA

REPORT OF THE LANDS AND MINES DEPARTMENT - 1961

(SECTIONS I and III)

LANDS AND SURVEYS

\* \* \*

Lands and Mines Department,  
P.O. Box 59,  
Georgetown,  
Demerara.  
20th October, 1962.

\* \* \*

T A B L E O F C O N T E N T S

<u>SUBJECT</u>	..	..	<u>PAGE</u>
REVENUE;			
Increase in Revenue	..	..	1
<u>SECTION I - LANDS</u>			
CROWN LANDS:			
Administration	..	..	2
Applications	..	..	2
Issue of Titles	..	..	2
Working Party	..	..	3-4
Trends and Schemes	..	..	4-5
COLONY LANDS:			
Administration	..	..	5
Purchases	..	..	5
FORESTS:			
Administration	..	..	5
Forest Products	..	..	5-6
<u>SECTION III - SURVEYS</u>			
SURVEYS	..	..	6-7
CARTOGRAPHIC SECTION	..	..	7-8
STAFF	..	..	
Additions to Staff	..	..	8-9
Sick Leave	..	..	9
Vacation Leave	..	..	9-10
Staff at 31st December, 1961		..	10-12
COMMENTS	..	..	12-13

LIST OF APPENDICES

			<u>Appendix</u>
Details of Revenue collected at 31st December, 1961	..	..	I
Expenditure - 1961	..	..	II
Comparative Statement of approved applications for agricultural, grazing and business purposes during 1959 - 1961	..	..	III
Comparative Statement of titles issued for agricultural, grazing and business purposes during 1959 - 1961	..	..	IV
Comparative Statement of approved applications for woodcutting and other forest titles during 1959 - 1961	..	..	V

\* \* \*

DEPARTMENT OF LANDS AND MINES,

Georgetown, Demerara.

20th October, 1962.

The Honourable Minister of  
Natural Resources.

Sir,

I have the honour to submit the following report on the work of the Lands and Mines Department for the year ended 31st December, 1961.

2. Revenue collected during the year under review totalled \$997,078, representing an increase of \$322,273 over the collection for 1960.

3. The following table is a comparative statement of the revenue and expenditure during the last seven years:-

	<u>Revenue</u>	<u>Expenditure</u>
1955	\$ 800,669	\$ 454,225
1956	912,943	561,369
1957	922,484	472,241
1958	799,325	563,231
1959	823,893	501,853
1960	674,805	731,961
1961	997,078	697,808

The expenditure for 1961 includes the sum of \$67,370.02 "Aerial Photography of British Guiana" - Colonial Development and Welfare Schemes - D 3824 and D 4312, which are under the control of this Department, the nett expenditure on Services for the Department being \$630,438.

I & II 4. Details of revenue and expenditure for 1961 are given in Appendices I and II to this report.

SECTION I

LANDS

CROWN LANDS

5. Administration: Crown lands are administered under the provisions of the Crown Lands Ordinance, Chapter 175, and the Crown Lands Regulations made thereunder. Crown lands were formerly alienated under Conditional Purchase Grant which provided, where the conditions were complied with, that the areas so alienated became freehold property at the end of the conditional period of five years. The issue of Conditional Purchase Grants was discontinued in 1938. Crown lands are no longer sold except in special circumstances.

6. Leases for terms of 99 years with a right of renewal for a further period of 99 years were issued until 1942 when the term was reduced to 21 years with the right of renewal for a similar period.

In 1960, the term for leases for agricultural and cattle grazing purposes was revised to 25 years renewable for further periods of 25 years and the conditions were modernised to promote beneficial occupation of the areas leased and at the same time, to provide adequate security of tenure.

In particular cases, however, the Governor may issue Licences of Occupancy or Leases under such terms and conditions as he may think fit.

7. In order to promote development by Co-operative methods, particularly by landless persons, Government have for the past few years been pursuing a policy of selecting landless persons, who form themselves into Co-operative Societies and are allocated large tracts of Crown lands. Technical assistance is afforded these Co-operative groups to provide drainage and irrigation for the areas and loans are provided by the British Guiana Credit Corporation to acquire agricultural machinery and to assist with the cost of providing the necessary Drainage and Irrigation Works.

The following acreages have been so allocated:-

1958	-	2,575 acres
1959	-	4,057 "
1960	-	9,259 "
1961	-	11,306 "

8. Applications: During 1961, the total number of applications approved for various titles over Crown land was 508 as compared with 711 during the preceding year and embraces a total area of 21,285 acres as compared with 29,770 acres during 1960. Details of the various types of applications approved are to be found at Appendix III.

III

9. Issue of Titles: During the year under review, 359 titles for agricultural, grazing, residential and business purposes over a total of 15,666 acres of Crown land were issued. Of these, 158 covering a total of 7,840.78 acres were re-issues of expired titles. In addition to this, 12 permissions covering 510.14 square miles in the hinterland savannahs were renewed.

A comparative statement of titles issued during the years 1959 to 1961 is to be found at Appendix IV.

IV

10. Working Party: The Working Party organised 5 years ago, staffed by two retired officers of this Department and one surveyor, with the object of inspecting areas held under conditional title from the Crown, continued to function throughout the year.

11. The first half of the year was mostly spent in compiling the plans of the surveys executed the previous year at the Cane Grove Land Settlement, Mahaica River. This work was delayed somewhat due to the absence of one of the surveyors who had been detailed for urgent duty away from headquarters. The plans were completed late in 1961, approved by the Central Board of Health and deposited in the Deeds Registry on 3rd May, 1962, preparatory to issue of title to the settlers.

12. Preliminary preparatory work was also undertaken at the request of the Ministry of Natural Resources in anticipation of the issue of leases to the settlers at Garden of Eden on the east bank of the Demerara River. Unfortunately, this exercise was not taken to finality as the terms of the title had not been approved by Government by the end of the year.

13. As a result of the protracted periods spent at headquarters, it was not possible to undertake a full programme of inspections throughout the year. Nevertheless, as opportunity offered, 39 inspections covering 20,597 acres were undertaken. The following table shows the inspections made during the years 1959, 1960 and 1961:-

<u>Locality</u>	<u>1 9 5 9</u>		<u>1 9 6 0</u>		<u>1 9 6 1</u>	
	<u>No. of tracts inspected</u>	<u>Area (Acres)</u>	<u>No. of tracts inspected</u>	<u>Area (Acres)</u>	<u>No. of tracts inspected</u>	<u>Area (Acres)</u>
<u>County of Demerara</u>						
West Coast	1	500	-	-	-	-
West Bank	120	51,000	-	-	2	132
East Bank	-	-	-	-	-	-
East Coast	176	43,777	19	6,944	2	539
Mahaica River	403	34,175	-	-	4	4,260
Mahaicony River	16	9,086	11	1,612	24	8,966
Abary River	19	38,400	5	13,499	6	5,200
<u>County of Essequibo</u>						
Essequibo Coast	2	500	237	27,225	-	-
Essequibo River inclusive of Islands	-	-	11	870	-	-
Mazaruni River	16	353	-	-	-	-
<u>County of Berbice</u>						
West Coast	1	375	1	961	-	-
Berbice River	-	-	-	-	-	-
Canje River	-	-	-	-	1	1,500
	<u>754</u>	<u>178,166</u>	<u>274</u>	<u>51,111</u>	<u>39</u>	<u>20,597</u>

1044

14. In addition, six spot inspections were undertaken, mainly for the settlement of disputes.

15. All applications for issue of title continue to be "screened" by the Working Party before submission to Government for consideration. Applications for transfers are similarly "screened" prior to my approval.

16. As a result of failure on the part of holders to comply with the warnings served on them from time to time where breaches of the conditions of their titles had been committed, forty-five titles, covering 1,424.183 acres were cancelled during the year on the recommendations of the Working Party, viz:-

<u>COUNTY OF DEMERARA -</u>	<u>No.</u>	<u>Area (Acres)</u>
Mahaica River	1	20.1
Mahaicony River	3	27.67
Abary River	1	100
 <u>COUNTY OF ESSEQUIBO -</u>		
Essequibo River	9	131.389
Essequibo Islands	2	32.67
Bartica-Potaro Road	1	5
Mazaruni River	2	220
Pomeroon River	2	9.205
Pomeroon Road	1	2.91
North West District	12	142.962
 <u>COUNTY OF BERBICE -</u>		
Berbice River	1	6.357
Canje River	4	340.37
Corentyne River	4	54.06
Corentyne Coast	<u>2</u>	<u>331.49</u>
	<u>45</u>	<u>1,424.183</u>

17. Recent Trends: Each year, more and more Crown land on the Alluvial Coastal Belt and on the lower reaches of the main rivers is being empoldered and put under rice. The number of applications for land has reduced somewhat during 1961 and there have been an increasing number of applications from groups of persons who propose to form themselves into Co-operative Societies to pool their resources and efforts and to develop Crown lands on a co-operative basis. It is a difficult and extremely costly task to bring hitherto undeveloped Crown lands under cultivation. Government has been encouraging these co-operative groups and whenever necessary, advice of the technical departments is being made available. Loans from the British Guiana Credit Corporation are being made available to these societies in the same way as loans to small farmers are being granted to assist in the development of their holdings.

Plans have been completed for the proposed Jackson Empolder and Moleson Empolder on the left bank of the Corentyne River and also the proposed Cattle Pasture in rear of Black Bush Polder. These schemes have not been implemented because of the lack of funds. Stage I of Mahaica-Mahaicony-Abary Scheme has also passed the planning phase, but also has not been implemented for the lack of funds.

Allocation of land has therefore not been possible in the Jackson Empolder, Moleson Empolder and in the proposed Cattle Pasture in rear of Black Bush Polder. Land within the Mahaica-Mahaicony-Abary Project, however, is still being allocated in keeping with the proposed works of the Scheme and the recommended zoning for intensive agricultural and cattle grazing purposes.

COLONY LANDS

18. Administration: This Department administers all lands including those alienated for various purposes under the provisions of the Lands and Mines Ordinance, Chapter 170. Where Government buildings have been erected on Colony lands, the Director of Public Works exercises control over such lands.

By Order-in-Council No. 91 of 1960, the Governor-in-Council delegated to the Minister of Natural Resources, the power to sanction the renting or sale of Colony land on terms and conditions determined by the Governor-in-Council and by Order-in-Council No. 92 of 1960, subject to any direction of the Governor-in-Council, deferred the exercise of the power delegated under Order-in-Council No. 91 of 1960 to the renting of land only where the rent does not exceed \$50.00 per annum and in the case of sale of land, only where the selling price does not exceed \$1,000.

19. Properties acquired by Government during 1961

<u>County</u>	<u>Area</u>	<u>Description</u>	<u>Purchase Price</u>
Demerara	-	Portion of Pln. D'Endract, part of Pln. Mon Repos, East Coast Demerara	\$ 24,119.00
do.	82.29	Portion of Pln. La Penitence, East Bank Demerara River.	Free Grant.

FORESTS

20. Administration: As from 1st January, 1960, the collection of revenue from all forest products (except balata) extracted from the Crown Forest was taken over from this Department by the Forest Department which controls the Crown Forest.

This Department continues to administer forest activities over Crown land outside the boundaries of that portion of the Colony which was declared to be Crown Forest under the Crown Forest Ordinance.

A comparative statement of applications approved for woodcutting and other forest titles for the years 1959 to 1961 is at Appendix V.

V

21. Balata: During 1961, 505242 pounds of balata were produced as compared with 533,773 pounds produced in 1960.

22. Quarries: Quarrying operations continued on a moderate scale during 1961 on nine quarries situated on Crown lands and 57,606 tons of stone were produced. This was 27,933 tons less than 1960.



23. Seizures: Four seizures were made on forest produce illegally cut from Crown lands during the year. One was released by the Magistrate to the licensed woodcutter on whose tract the timber was illicitly cut by a sprinter and the others were abandoned when the Magistrate put up the articles at Public Auction and there was no purchaser.

SECTION III

SURVEYS

24. During the year under review, 216 surveys were executed embracing a total area of about 20,749 acres. The number of outstanding surveys rose owing to the increased number of applications approved for Crown lands for residential, agricultural and grazing purposes while the available survey staff were diverted to cope with more urgent survey work for Land Development Projects.

The comparative table below reviews the position during the past five years:-

	1957	1958	1959	1960	1961
Ripe for survey during the year	322	251	790	487	302
Total number to be executed	962	813	1,251	1,522	1,472
Number of surveys executed	400	352	216	351	216
Number of surveys outstanding	562	461	1,035	1,171	1,256

25. Of the 216 surveys completed, 28 were executed with chain and compass and embraced an area of about 1,135 acres. The remaining 188 were precise surveys executed with Theodolite and 100 ft. Steel Band Chain - a total of approximately 19,614 acres. The Working Party under the Chairmanship of Mr. G.F. Messervy supervised the re-survey and allocation of land at Cane Grove. 28 Mining claims were verified during the year.

26. The ever increasing demand for copies of plans for the various development projects being carried out, such as Soil Surveys, Land Registration, Local Government reform and from the public continued to impose a heavy strain on the much over-worked staff which is still below full strength.

27. In addition to the normal duties, the staff of the Survey Section continued to render special services to other Government Departments and Agencies by preparing and compiling maps, tracings and prints to the estimated value of \$5,520.00.

28. Surveyors were engaged on surveys for the following Departments:-

- (a) Land Development Department - survey of Black Bush.
- (b) Land Development Department - survey of Cane Grove.
- (c) Land Registration Department - survey of Nos. 8, 9, 10 and 12 Villages, West Coast Berbice.
- (d) Land Registration Department - survey of Plns. Ross and Yeovil.
- (e) Land Registration Department - survey of Plns. Chester and Britannia (incomplete)
- (f) Commissioner of Interior - laying out agricultural plots in the North West District.
- (g) Land Registration Department - survey of Drysdale - Two Brothers.
- (h) Commissioner of Housing - survey of Colony Land Leases A 199 and A 449 - Wismar/Christianburg.
- (i) Ministry of Education - School sites at

- (i) La Bonne Intention
- (ii) Cummings Lodge
- (iii) Annandale
- (iv) Enmore
- (v) Elizabeth
- (vi) Patientia
- (vii) Zeelugt
- (viii) Zeeburg
- (ix) Lot No. 68
- (x) Albion

Other surveys executed during the year

- survey of Crown land in rear of Sandvoort, Land of Canaan, West Canje, Berbice;
- chain and compass survey of the occupation at Eping Landing;
- subdivision of area in rear of Vryheid - Caracas.

29. During the year, 583 plans of surveys executed by Sworn Land Surveyors were recorded exclusive of those for the issue of leases over Crown land and Colony land.

CARTOGRAPHIC SECTION

30. The year 1961 has been another year of little progress in the mapping programme for British Guiana. The Cartographer, J.A. Sweetnam was again required to execute the duties

of Superintendent of Surveys from February to August of this year. During this period, the Cartographic Section was virtually closed and no work was possible as the entire staff was diverted elsewhere. No astro-fixes were done and little mapping accomplished.

31. Only three 15-minute sheets at a scale of 1:50,000 of the template assembly completed during 1960 were finalised. In the main, these were over the concession of the African Manganese Company Limited, who found them quite useful for planning their operations. A plan (No. 9910) of the area west of the Essequibo River from Supenaam to Cuyuni Rivers was done early in the year. During August/November, an enlarged plan (No. 10050) showing property holdings between Abary and Mahaicony Rivers was prepared for use by Cadastral Survey Section.

32. The Directorate of Overseas Surveys completed the redrawing of the plan of Greater Georgetown and printed same in two sections (D.O.S. Misc. 301). The Directorate also published eighteen sheets at a scale of 1:50,000 of the coastal belt west of Essequibo River.

33. The photography taken by Fairey Air Survey Limited during 1960 was received in March and just examined and put away. No contract for Air Photography was awarded for 1961.

34. The continuous printer continued to give satisfactory service to this and other Government Departments. During the year, more than 5,800 prints were produced and valued at \$6,200.00. The hazard of keeping a stock of extra strong ammonia without cold storage is still present.

35. Staff: The Cartographer, J.A. Sweetnam, was appointed to act as Superintendent of Surveys from February to August of this year. Mr. R. Jagernauth, Senior Surveyor, continued to be on special duty in the Head Office. Mr. G. G. Greenidge went on secondment to assist Mr. L.G. Small at the Survey School of the Technical Institute and has remained there. Mr. W.A. Swain, was detailed for survey duty at Black Bush Polder Settlement Scheme during the whole year. Miss Fernandes, Senior Drawing Office Assistant went on vacation leave during April and returned in November.

STAFF

36. Additions to the Staff were as follows:-

Surveyors - Messrs. D.A. Danney  
and M.K. Ali.

Surveyor Apprentices - Messrs. H. Rajkumar  
D.C. Budhram  
D. Chang-Yen  
R. Langevine  
N.A. Archer.

Senior Accounting Officer - Mr. G.A.C. Babb.

Class II Clerks - Messrs. E.P. Callendar  
H.A. Paul  
J.I. Murray

- Class II Clerks (cont'd.) - Messrs. A.E. Neil  
A.P. Sharma  
J.P. Lewis  
A.W. Ali  
D. Meerabux and  
W. Sabsook.
- Clerical Assistants - Miss V.B. Fields and  
Miss H. Humphrey.
- Crown Land Officers - Messrs W.R. Beck and  
T. Ragnauth.
- Crown Land Ranger - Mr. R.C. Petrie.
- Typist (Working Party) - Miss A. Sheow.
- Messenger - N. Ramdyhan.
- Engineer - A. Wright.

37. The reductions in the Staff were as follows:-

- Surveyors - Messrs. T.A. Graham and  
F.H.O. Yhap.
- Class I Clerk - Mr. D.A.O. Fraser.
- Class II Clerks - Messrs. E.P. Callendar and  
H. Singh.
- Crown Land Rangers - Messrs. H.E. Yhap and  
N.F. Ritch.
- Clerical Assistant - Miss G.R. Gibbs.
- Typists (Working Party) - Misses L. Dillon and A. Sheow.
- Boathands - Messrs. E. Johnson, C. Dey  
and L. Romalho.
- Messenger - Mr. F. Browne.

38. Sick Leave: The total number of days off duty on account of ill health (as apart from vacation and casual leave) was as follows:-

Clerical Staff	.. ..	566 days
Technical Staff	.. ..	<u>470</u> "
Total		<u>1,036 days</u>

an increase of 115 days as compared with last year.

39. Vacation Leave: Below is appended a list of the officers who were on vacation leave during the year:-

<u>Name of Officer</u>	<u>Post</u>	<u>From</u>	<u>To</u>	<u>Total No. of Months.</u>
Mr. G.B. Matthews	Surveyor	1.1.61	11.3.61	6 months (Remainder of leave granted w.e.f. 17.8.60).
Mr. L.O. Kailan	Class I Clerk	1.1.61	28.2.61	6 months (Remainder of leave granted w.e.f. 1.9.60).

1050

<u>Name of Officer</u>	<u>Post</u>	<u>From</u>	<u>To</u>	<u>Total No. of Months.</u>
Mr. R. Jagernauth	Senior Surveyor	1.1.61	30.6.61	6 months.
Mr. A.G. Robella	Surveyor	9.1.61	30.6.61	6 months plus 25 days deferred leave.
Mr. T.C. Stibbs	Commissioner of Lands and Mines	3.2.61	30.6.61	4 months.
Mr. T.A. Graham	Surveyor	9.1.61	30.6.61	6 months.
Mr. R. Manson-Hing	Surveyor	1.2.61	30.6.61	6 months.
Mr. F. Browne	Messenger	20.2.61	14.5.61	84 days prior to retirement.
Mr. J.K. Sagar	Class I Officer	1.9.61	31.12.61	180 days (part of leave).
Mr. R.B. Ying	Surveyor	11.9.61	31.12.61	6 months (part of leave).
Mr. M.E. Lee	Surveyor	1.10.61	31.12.61	6 months (part of leave).
Mr. D.M. Edghill	Senior Surveyor	1.12.61	31.12.61	6 months (part of leave).
Miss I. Ellis	Senior Clerical Assistant	3.8.61	20.12.61	140 days prior to resignation.
Mr. C.S. Cole	Inspector of Mines	15.8.61	31.12.61	6 months (part of leave).

STAFF as at 31st December, 1961.

Commissioner	..	Mr. T.C. Stibbs
Deputy Commissioner	"	A. Lee-Own
Superintendent of Surveys	"	J.L. Yhap
Cartographer	"	J.A. Sweetnam
Superintendent of Lands	"	J.E. Davis
Inspector of Mines	"	C.S. Cole
Senior Accounting Officer	"	G.A.C. Babb
Mining Claims Officer	"	J.R.A. Leila
Senior Lands Officer	"	C.C. Cumberbatch
Secretaries (2)	..	Miss J.C. Debidin
	"	H.I. Spencer
Senior Clerical Assistant (1)	..	Vacant.
Clerical Assistants (8)	..	Miss V.B. Fields
	"	J.B. Small
	"	W.R. Burch-Smith
	"	J.A. Jordan
	"	L.A. Holder
	"	A.E. Jardine
	"	K.K. Ally
	"	H. Humphrey

1057

Senior Drawing Office Assistant (1)	..	Miss S. Fernandes.
Drawing Office Assistants (3)	..	Miss R. Forte " V.M. Rhodius " F.M. Small.
Class I Clerks (5)	..	Mr. A.I. Kranenburg " L.O. Kailan " E.N. Singh " W.C. Nichols " J.K. Sagar.
Class II Clerks (15)	..	Mr. D.M. Bern " E.R. Persaud " H. Gangaram " G.O. Daniels " P.E. Albert " Y. Amiruddin " N.F. Matthews " H.A. Paul " J.I. Murray " A.E. Neil " A.P. Sharma " J.P. Lewis " A.W. Ali " D. Meerabux " W. Sabsook.
Senior Surveyors (6)	..	Mr. C.S. McLean " R. Jagernauth " R.L. Dewar " D.M. Edghill " H.A. Howard " B.A. Bannister
Sub-Wardens (3)	..	Mr. O.E. Fung-On " F.O. Pollard " E.G. Hopkinson
Land Officers (3)	..	Mr. G.B. Matthews " P.S. Chan " A.G. Robella
Surveyors and Surveyor Apprentices (17)	..	Mr. R. Dinally " N.D. Ford " R.B. Ying " M.A. Phang " M.E. Lee " I.S. Savory " G.M.F. Rayman " L.A. Deane " C.V. Collymore " P.B. Woolford " W.A. Swain " W.E.A. Rhodius " M.A. Boodran " P. Fung " C.R. Marshall " M.Y. Khan " T. Shivkumar

Fifteen Vacancies.

- Crown Land Officers (3) .. Mr. F. Parris  
" W. Beck  
" T. Ragnauth.
  
- Crown Land Rangers (7) .. Mr. P.B. Santiago  
" V. McGarrell  
" L.A. Milne  
" S. Chandra  
" M. Talib  
" A. Gherow  
" L.E. Conyers  
  
Two Vacancies.
  
- Messengers (3) .. Mr. E. Grant  
" E. Martin  
" N. Ramdyan.
  
- Captains (4) .. Mr. A. Moseley  
" C. Roland  
" C. Colinet  
" G. Phang
  
- Engineers (3) .. Mr. A. Rogers (Grade 1)  
" G. Shako  
" A. Wright.
  
- Boathands (7) .. Mr. J. Fredericks  
" T. Gibson  
" H. Hernandez  
" W. Jordan  
" R. Justice  
" E. Murray  
" T. Seaubalak  
  
Two Vacancies.

Ad Hoc Working Party Section

- Chairman .. Mr. G.F. Messervy
- Member . " C.A. Cole
- Surveyor " R.E. Manson-Hing  
(seconded)
- Typist Vacant
- Messenger H. Mahon

40. I drew attention in my report last year to the abnormal amount of sick leave taken by members of the staff, and must do so again this year.

This absenteeism, together with the shortage of staff, the unexperience staff available and the frequent changes in the junior personnel has rendered the task of the senior officers most difficult in trying to keep the work of the department flowing smoothly, and it is to them, the senior members, to whom thanks is due for their efforts in trying to keep the work in a fairly up to date position.

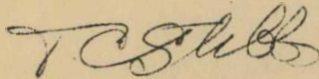
To give an indication of the increase of sick leave taken, I append below the returns for the last 6 years:-

1956	..	218 days
1957	..	512 "
1958	..	518 "
1959	..	525 "

1960 .. 921 days  
1961 .. 1,036 "

This, in my opinion, reflects in some measure,  
the calibre of the staff now being recruited into the service.

I have the honour to be,  
Sir,  
Your obedient servant,



Commissioner of Lands and Mines.



APPENDIX I

DETAILS OF REVENUE COLLECTED AT 31ST DECEMBER, 1961

Head and Sub-head of Revenue	Revenue Collected in 1961	Revenue Collected in 1960	Increase	Decrease	Remarks
	\$    ¢	\$    ¢	\$    ¢	\$    ¢	
II. <u>Excise and Licences</u>					
4. Licences Unspecified	4,789.00	4,962.00	-	173.00	
III. <u>Internal Revenue</u>					
5. Duty on Transports	1,327.36	1,539.61	-	212.25	
IV. <u>Fines, Fees of Court etc.</u>					
33. Fines and Seizures	38.36	161.83	-	123.47	
Boat Regulations	-	3.24	-	3.24	
35. Affidavit Fees	28.86	36.86	-	8.00	
34. Crown Costs Recovered	57.30	11.00	46.30	-	
46. Sale of Official Publications	947.27	852.98	94.29	-	
VI. <u>Rents</u>					
2. Colony Lands	22,980.32	32,481.14	-	9,500.82	Decrease in collection of rents.
3. Crown Lands	44,230.15	44,622.56	-	392.41	
VII. <u>Forests, Lands and Mines</u>					
(A) <u>Forests</u>					
1. Fees	356.05	265.29	90.76	-	
2. Licences Balata	4,120.00	10,940.02	-	6,820.02	Decrease in number of Licences held.
2. Licences Woodcutting	6.58	858.75	-	852.17	
3. Permissions	14.00	22.52	-	8.52	
4. Royalty Timber	5,009.68	7,952.91	-	2,943.23	
5. Royalty Balata, Rubber	10,804.82	10,768.25	36.57	-	
6. Royalty Miscellaneous	108.85	352.00	-	243.15	

APPENDIX I (continued)

Head and Sub-head of Revenue	Revenue Collected in 1961		Revenue Collected in 1960		Remarks
	\$	¢	\$	¢	
(B) <u>Lands</u>					
1. Fees	52,046.83		38,627.54		Increased number of applications filed and survey fees paid.
2. Permissions	8,491.32		9,216.38		
3. Miscellaneous	720.90		699.43	21.47	
4. Royalty Stone	6,821.05		10,637.23		Decrease in production of stone.
(C) <u>Mines</u>					
1. Fees	2,604.80		3,391.93		
2. Licences Prospecting	5,115.00		5,500.00		
3. Licences Claim Gold	2,915.00		2,565.00	350.00	
4. Licences Claim Precious Stones	14,530.00		12,138.00	2,392.00	Increased diamond production from Mazaruni and Cuyuni districts.
5. Licences Claim Other Minerals	165.00		470.00		
6. Mining Privileges	1,023.84		1,213.92		
7. Exclusive Permissions	79,336.98		85,801.74		Surrender of large areas mainly for bauxite exploration.
8. Mining Concessions	556.90		566.89		
9. Dredging Concessions	1,743.93		2,100.21		
10. Royalties*	704,433.61		365,436.29	338,997.32	Increased bauxite and manganese exports plus export of alumina for first time.
11. Registration Mining Labourers	24.96		30.72		
12. Mining Leases	20,627.35		20,617.61	9.74	
VIII. <u>Interest - 1 General</u>					
X. <u>Miscellaneous</u>					
1. Sundries	110.69		6.21	104.48	
XI. <u>Sale of Colony Lands</u>	991.60		-	991.60	
<u>*Royalties</u>					
		1961		1960	
A. Gold	\$	755.68	\$	1,199.42	
B. Manganese		443,611.78		152,033.06	
C. Bauxite		187,027.70		158,435.72	
D. Pr. Stones		57,915.98		49,718.09	
E. Alumina		18,123.57		-	
<b>TOTAL</b>	<b>\$704,433.61</b>	<b>\$365,436.29</b>			<b>NETT INCREASE \$322,228.30</b>

Decreased gold production - increased diamond production, manganese export and bauxite export.

9501

APPENDIX II

EXPENDITURE - 1961

Head of Service	Appropriation (including Supplementary Estimates)		Actual Expenditure 1961		Savings	Excess	Expenditure 1960	
	\$	¢	\$	¢	\$	¢	\$	¢
1. Personal Emoluments	278,063.00		278,794.82		-		731.82	245,345.97
2. Transport and Travelling	55,000.00		69,116.92		-		14,116.92	49,864.41
3. Land and Water Transport	10,000.00		5,521.26		4,478.74		-	9,653.26
4. Revenue Protection	400.00		14.00		386.00		-	67.77
5. Labour and Rations for Labour	80,000.00		110,736.91		-		30,736.91	100,703.40
6. Materials, Equipment and Instruments	25,000.00		20,049.50		4,950.50		-	18,020.66
7. Miscellaneous	3,500.00		1,880.00		1,620.00		-	1,526.46
8. Surveys in Village and Country Areas	30,000.00		34,670.51		-		4,670.51	24,702.91
9. Land Surveyors Examination	1,200.00		1,367.62		-		167.62	994.18
10. Uniforms	2,000.00		1,267.47		732.53		-	1,021.98
11. Publication of Section of Colony Map	500.00		-		500.00		-	-
12. Purchase of Engines	7,500.00		5,383.60		2,116.40		-	3,999.67
13. Purchase of Launch Hull	2,500.00		2,500.00		-		-	-
14. Purchase of Land Rover	4,500.00		4,487.75		12.25		-	-
<u>32. Miscellaneous</u>								
12. Refunds of Revenue	10,000.00		22,404.28		-		12,404.28	29,056.53
39. Crown Lands - Resumption of - Working Party - Expenses of	32,500.00		29,970.64		2,529.36		-	14,061.17
<u>IX. Lands and Mines Development</u>								
1. Topographic Surveys and Training of Surveyors	50,000.00		42,263.02		7,736.98		-	15,826.96
2. Aerial Photography (D 4312)	120,000.00		67,370.02		52,629.98		-	215,741.34
	712,663.00		697,798.32		77,692.74		62,828.06	730,586.67

APPENDIX III

COMPARATIVE STATEMENT OF APPROVED APPLICATIONS  
FOR AGRICULTURAL, GRAZING AND BUSINESS PURPOSES DURING  
THE YEARS 1959-1961

<u>Leases</u>	<u>1959</u>		<u>1960</u>		<u>1961</u>	
	<u>No.</u>	<u>Acreage</u>	<u>No.</u>	<u>Acreage</u>	<u>No.</u>	<u>Acreage</u>
Agricultural	476	6,660.9746	323	7,308.9177	231	9,592.770
Renewals	10	877.3714	5	259.58	5	1,493.92
Cattle Grazing (Coastal)	21	1,444.12	33	5,241.5420	23	1,638.00
Renewals	-	-	1	96.331	-	-
Township and Trading	21	58.6766	12	3.5610	7	.829
Renewals	7	1.841	1	.263	1	.263
Missions and Miscellaneous	3	3.275	5	103.7295	25	117.549
Renewals	-	-	1	.6099	-	-
<u>Permissions</u>						
Agricultural	31	851.50	142	2,401.79	44	704.29
Renewals	50	1,999.53	46	1,339.27	102	3,745.35
Cattle Grazing (Coastal)	9	3,279.00	17	3,117.00	12	1,385.00
Renewals	14	1,433.71	20	9,431.00	20	2,410.00
Bartica-Potaro Road	1	10.00	3	13.00	3	58.5
Renewals	1	5.00	-	-	1	.25
Agric. in Mining Districts	22	71.75	24	94.78	8	45.75
Renewals	-	-	6	54.10	3	11.0
Miscellaneous	25	-	26	-	1	1.722
Renewals	52	44.47	31	304.34	3	80.0
Sub-let	6	-	4	-	6	-
Renewals	17	-	11	-	13	-
<b>TOTALS</b>	<b>766</b>	<b>16,741.2046</b>	<b>711</b>	<b>29,769.81</b>	<b>508</b>	<b>21,285.193</b>

No.    Sq. mls.        No.    Sq. mls.        No.    Sq. mls.

Cattle Grazing  
(Interior Savannas)

Leases	-	-	-	-	-	-
Renewals	-	-	-	-	-	-
Permissions	-	-	3	110	4	156
Renewals	10	405	15	871.71	12	510.14
<b>TOTALS</b>	<b>10</b>	<b>405</b>	<b>18</b>	<b>981.71</b>	<b>16</b>	<b>666.14</b>

1060

APPENDIX IV

COMPARATIVE STATEMENT OF TITLES ISSUED FOR AGRICULTURAL,  
GRAZING AND BUSINESS PURPOSES DURING THE YEARS 1959-1961

<u>Grants</u>	<u>1959</u>		<u>1960</u>		<u>1961</u>	
	<u>No.</u>	<u>Acreage</u>	<u>No.</u>	<u>Acreage</u>	<u>No.</u>	<u>Acreage</u>
Provisional Free	-	1	-	-	-	-
Conditional	-	-	-	-	-	-
Absolute	-	83,7502	-	-	-	-
<u>Leases and Licences</u>						
Licences of Occupancy	1	500.00	3	564.84	-	-
Renewals	-	-	-	-	1	100.00
Agricultural Leases	254	3,827.4949	134	2,709.182	59	1,597.44
Renewals	10	877.3714	5	259.58	5	1,493.92
Cattle Grazing (Coastal)	10	797.3350	5	446.050	3	428.03
Renewals	-	-	1	96.331	-	-
Township and Trading	9	37.9701	2	.526	5	1.315
Renewals	7	1.841	1	.263	1	.263
Missions and Miscellaneous	2	.26	2	11.029	2	41.335
Renewals	-	-	1	.6099	-	-
<u>Permissions</u>						
Agricultural	41	1,043.25	148	5,765.68	78	1,716.18
Renewals	50	1,999.53	46	1,339.27	102	3,745.35
Cattle Grazing (Coastal)	9	2,403.00	20	3,912.00	21	3,428.00
Renewals	14	1,433.71	20	9,431.00	20	2,410.00
Bartica-Potaro Road	0	55.25	2	10.25	3	7.00
Renewals	1	5.00	-	-	1	.25
Agric. in Mining Districts	25	110.875	9	297.00	7	65.27
Renewals	-	-	6	54.10	3	11.00
Miscellaneous	67	41.1767	104	749.95	16	540.223
Renewals	52	44.47	31	304.34	3	80.00
Sub-let	8	-	5	-	7	-
Renewals	17	-	11	-	22	-
<b>TOTALS</b>	<b>589</b>	<b>12,463.2843</b>	<b>555</b>	<b>25,952.00</b>	<b>359</b>	<b>15,665.576</b>

	<u>No.</u>	<u>Sq. mls.</u>	<u>No.</u>	<u>Sq. mls.</u>	<u>No.</u>	<u>Sq. mls.</u>
<u>Cattle Grazing</u> (Interior Savannahs)						
Leases	-	-	-	-	-	-
Renewals	-	-	-	-	-	-
Permissions	1	5	1	7	1	6
Renewals	10	405	15	873.71	12	510.14
<b>TOTALS</b>	<b>11</b>	<b>410</b>	<b>16</b>	<b>880.71</b>	<b>13</b>	<b>516.14</b>

APPENDIX V

COMPARATIVE STATEMENT OF APPROVED APPLICATIONS FOR  
WOODCUTTING AND OTHER FOREST TITLES DURING  
THE YEARS 1959-1961

<u>Leases</u>	<u>1959</u>		<u>1960</u>		<u>1961</u>	
	<u>No.</u>	<u>Acreage</u>	<u>No.</u>	<u>Acreage</u>	<u>No.</u>	<u>Acreage</u>
To cut wood	-	-	-	-	-	-
Renewals	-	-	-	-	-	-
<u>Licences</u>						
To cut wood (general)	14	2,437	15	1,900	4	775
Renewals	62	12,175	73	37,712	54	12,080.29
To cut cedar and crabwood	-	-	-	-	-	-
Renewals	-	-	-	-	-	-
To collect balata	-	-	-	-	-	-
Renewals	62	-	11	-	84	-
To cut mangrove bark	-	-	-	-	-	-
Renewals	-	-	-	-	-	-
<u>Permissions</u>						
To cut scattered trees, firewood etc.	114	-	128	-	75	-
Renewals	-	-	-2	-	-	-
Timber Path	2	-	2	-	-	-
Renewals	-	-	2	-	-	-
Depot	2	-	2	-	-	-
Renewals	4	-	-	-	-	-
To collect gums	-	-	-	-	-	-
Renewals	-	-	-	-	-	-
To collect tonka beans	-	-	-	-	-	-
Renewals	-	-	-	-	-	-
To collect orchids	-	-	-	-	-	-
Renewals	-	-	-	-	-	-
To collect wild rubber	-	-	-	-	-	-
Renewals	-	-	-	-	-	-
<b>TOTALS</b>	<b>260</b>	<b>14,612</b>	<b>224</b>	<b>39,612</b>	<b>217</b>	<b>12,855.29</b>

BRITISH GUIANA  
REPORT OF THE LANDS AND MINES DEPARTMENT - 1961  
(SECTION 11)  
MINES

\* \* \* \* \*

T A B L E O F C O N T E N T S

	<u>Subject</u>	<u>Page</u>
Mining Titles	... ..	1
Revenue	... ..	1
Legislation	... ..	1
Closure of Areas to Prospecting/Mining	... ..	2
Seizures	... ..	2
Sales on behalf of Amerindians	... ..	2
Labour	... ..	2
Accidents	... ..	2
Use of Explosives	... ..	3
Mine and Quarrying Inspections	... ..	3
Hydro-Electric Power Development	... ..	3
Mining Disputes	... ..	3
Explorations:	... ..	3-6
Demerara Bauxite Company Limited	... ..	3
Reynolds Metals Company	... ..	4
Harvey Aluminum of America	... ..	4
Petromina (B.G.) Limited	... ..	4
North West Guiana Mining Company Limited	... ..	5
Roraima Mining Limited	... ..	5
Gulf States Land Industries Incorporation	... ..	6
Columbium Corporation	... ..	6
Production and Development	... ..	6-10
Demerara Bauxite Company Limited	... ..	6-7
Reynolds Metals Company	... ..	7-8
North West Guiana Mining Company	... ..	8-9



LIST OF APPENDICES

			<u>Appendix</u>
Mining Titles in existence during 1961	...	...	I
Exclusive Permissions in force during 1961	...	...	II
Areas held for Exploration/Mining at 31st December, 1961	...	...	III
Mining Statistics - British Guiana Bauxite	...	...	IV
Mining Statistics - British Guiana Gold	...	...	V
Mining Statistics - British Guiana Diamonds	...	...	VI

\* \* \* \*

GENERAL

I

1. Concessions and Leases: Mining titles in existence during 1961 are shown at Appendix 1.

Licences: 1960 claim licences and 194 river location licences were in existence at 31st December, 1961.

Exclusive Permissions: Exclusive permissions in force during 1961 are listed in Appendix 11.

II

Prospecting Licences: 994 prospecting licences were issued during the year. No licences to prospect for radio-active minerals were issued during 1961.

Trading Licences: 103 licences to trade in gold and/or diamonds were issued, while 90 licences to purchase gold for the manufacture of jewellery were issued.

Mineral Production and Export: The quantity and value f.o.b. of minerals exported are kindly furnished by the Comptroller of Customs and Excise.

<u>Mineral</u>	<u>Quantity Produced</u>	<u>Quantity Exported</u>	<u>Value of Export \$</u>
Gold (troy ounces)	1,702	8	353
Diamonds (metric carats)	112,680	121,336	5,134,242
Bauxite - calcined (long tons)	2,373,615**	370,761*	14,277,089
other           "		1,235,556	14,197,888
Alumina                   "	120,161	120,161	3,083,588
Manganese               "	212,126	187,383	5,373,790
		<u>TOTAL VALUE</u>	<u>\$ 42,066,950</u>

\* ex Mackenzie  
\*\* total production (Total Value in 1957 = \$31,379.621)

2. Revenue: Revenue from mining amounted to \$833,077 which is \$333,245 more than that for 1960, the increase being due to the manufacture of alumina from bauxite for the first time and to the increased manganese exports.

3. Legislation: Regulation 2 of 1961 amended Regulation 6 (1) of the Mining Regulations to provide for consent by a prospector to act on behalf of the holder of a prospecting licence. Forms No. 3 and No. 3A were amended to provide more particulars of the land located than prospectors were previously required to give.

The list of Mining Stations established under Section 4 of the Mining Ordinance, Chapter 196 was amended with effect from 22nd July, 1961, by notice published in the Official Gazette of the 22nd July, 1961 to include Government stations suitably placed to intercept traffic going to or coming from the various mining districts.

Regulation 4 of 1961 amended Regulation 20 and Form 2 of the First Schedule of the Bauxite Mining Regulations, Chapter 196 with emphasis on the information and reports to be submitted by permittees.

Ordinance No. 67 of 1961 varied the boundaries of the Kaieteur National Park. This had the effect from 18th October of throwing open to prospecting/mining portions of the Potaro River above and below Kaieteur Falls.

1070

4. Closure of areas to prospecting/mining: No areas were closed to prospecting/mining during the year. The three areas closed during 1960, namely, the Kopinang-Sukabi for bauxite, the Merume for chromite and the Wamara Hill for iron, remain in that state.

5. Seizures: Seven seizures of diamonds were made during 1961. All were later released as the circumstances did not warrant prosecutions being brought.

6. Sales on behalf of Amerindians: The Department continued to dispose of gold and diamonds won by Amerindians; 12 ounces of gold and 155 carats of diamonds were sold for the year.

7. Labour: 3,959 mining privileges and 105 registration certificates were issued. The average labour force employed directly on mining was as follows:-

<u>Mineral</u>	<u>Approximate number of workers employed</u>	<u>Approximate number of persons working on their own behalf</u>
Gold	20	100
Diamonds	20	6,000
Bauxite	5,000	-
Manganese	650	-
	<u>5,690</u>	<u>6,500</u>

8. Accidents: A classification of the 109 reportable accidents which occurred in connection with mining operations is given below:-

<u>Cause</u>	<u>Fatal</u>	<u>Serious Injury</u>	<u>Temporary Incapacity</u>	<u>Minor</u>
Electricity	-	-	1	-
Explosives	-	-	-	-
Machinery	-	5	10	9
Handling tools	-	-	2	6
Falling or struck by a falling body	2* #	5	11	10
Diving	-	-	-	-
Miscellaneous	-	1	15	32
	<u>2</u>	<u>11</u>	<u>39</u>	<u>57</u>

Total accidents - 109

\* Lawrence Mergour employed by B. Khan, contractor to Manganese Mines Management Limited, was struck a glancing blow while engaged in securing a wooden trestle on railroad maintenance. He subsequently died from the injuries received.

# Ronnie, an Amerindian of Awauranawa Village, was killed on claim "Locust No. 3" (C 2457) held by Rio Rupununi Mines Limited, by a fall of ground in an open pit. His skull was crushed against a sluice box.

9. Use of Explosives: Four blasting certificates were issued by the Commissioner of Lands and Mines.

10. Mine and Quarrying Inspections: The Inspector of Mines spent 20 days in the field on inspections covering quarrying and mining operations before proceeding to the United Kingdom on vacation leave in July.

11. Hydro-Electric Power Development: Tumatumari station continued on a care and maintenance basis.

Demerara Bauxite Company Limited continued routine measurements of river stage in the main rivers of the Colony. A severe drought was experienced during the year resulting in extreme low stages.

12. Mining Disputes: Two complaints under the Mining Regulations were filed during the year; one was withdrawn and the other was not proceeded with.

Two challenges and three complaints were heard and determined during the year.

#### EXPLORATION

111 13. A total area of 7,453,453 acres was covered by exclusive permissions, details of which are given at Appendix 111. No work was done in exclusive permissions not specifically referred to below.

#### BAUXITE

14. Demerara Bauxite Company Limited completed exploration of the areas held under exclusive permissions 562 and 568 and these were abandoned with effect from 4th September, 1961.

Surface exploration and drilling continued in permissions 561, 568 and 588 (Great Fall area). Outcrops of bauxite were found along Harakren creek, and Manabaru creek in permission No. 561 and along Mabaura creek in permission No. 588. A small drilling crew working in the southern part of permission 564 had to be withdrawn early in the year when the advancing rainy season threatened to disrupt communications.

Drilling was done by solite and empire drills; 36 drill holes were put down totalling 7,266 feet. Several drill holes encountered ferruginous lateritic and bauxite material but only one bore hole penetrated commercial grade bauxite.

The exploration of permission No. 563 was begun in April and continued throughout the year. An empire drill was moved in later in the year to investigate the composition of the laterites occurring in this area.

It is known that almost the whole of permission No. 500 is covered with sediments of the White Sand Series so the Company's main activity in that area is deep drilling to investigate the possibility of concealed bauxite deposits. A second solite drill designed for this purpose arrived at Mackenzie in December. A crew was assigned to find a suitable route for a road along the Demerara-Essequibo watershed and later a D-4 bulldozer was used to build the road in preparation for drilling; at the end of the year, this road extending from Christianburg to the northern limit of the permission was completed.

15. Reynolds Metals Company embarked on drilling a broad strip around the Canje deposit but no more ore was encountered. Basement was found to be dipping steeply to the north-north east but nothing of interest was found besides the intercalated sands and clays of the Berbice Formation. The Canje crew working in the area covered by exclusive permissions 431, 557, 558 and 597 moved eastward putting in a new access road to connect with Orealla on the Corentyne. A base camp was built in the lower part of the Tarakuli creek, but progress was slow in this heavily wooded area and numerous small creeks had to be bridged. East of the Canje, bauxite was encountered in several holes but the excessive depths involved rendered these to be of scientific value only. The section above the bauxite is identical to that found in the Canje.

The Company's geologist discussed with Dr. Van der Hammen at the Laiden University in Holland, the possibility of applying pollen-analyses to fieldwork. It is believed that this method of exploration will enable the Company to project the bauxitized horizon and point to shallow ore deposits.

16. Harvey Aluminum of America in addition to their other holdings on the left bank of the Essequibo river, the Company was given special permission from Government to examine the Supenaam-Pomeroon area and including the Kabakaburi Amerindian District; the greater part of their field activity during the year was conducted in that area with the following results:- lines surveyed 82 miles; roads built 12 miles; creeks cleared 8 miles; number of holes drilled 660; total footage drilled 30,180 feet; pits dug 9; samples taken 1126. Expenditure incurred amounted to \$274,000.

In August a separate programme was mounted on exclusive permission 599 on the left bank of the Corentyne river and to the end of the year, the following work was accomplished:- lines surveyed 28 miles; roads built 11 miles; creeks cleared 2 miles; number of holes drilled 7; footage drilled 2,100 feet. Expenditure on that work was \$66,000 making the total sum spent by Harvey for 1961 some \$340,000.

The overall programme of prospecting and drilling for commercial grade bauxite was carried out by a geologist who was joined in May by a mining geologist; approximately 80 men were employed. New equipment purchased during the year included 5 empire drills, 3 boats, several outboard engines and 1 land rover car.

17. Petromina (B.G.) Limited established a base camp south of the Mahdia Airstrip in the northern part of permission 604 (Mowasi area). Lines were cleared from 114-miles Potaro Road over Dickman Hill and south-east, east and south of the base camp. Empire drill holes were put down at 300 foot intervals over the first 5/8 mile of the Dickman line and thereafter at intervals of 1500 feet. At first these holes were limited to a depth of 15 feet, but later it was decided to make certain holes deeper in areas of particular interest. Accordingly, four holes were extended to a depth of 37 feet. In all cases samples were taken at 18 inch intervals and quartered in the field.

Owing to the existence of a considerable network of trails and roads in the Mahdia district, it was possible to carry out an extensive geological investigation without a large line-cutting programme. In addition, an air reconnaissance of the area was made on August 1st and September 6th. A general geological and topographical survey was made to the south, south-east and east of the base camp.

MANGANESE

18. Manganese Mines Management Limited acting on behalf of North West Guiana Mining Company Limited carried out exploration of the area held under permission 603. Three geologists were engaged and work was concentrated on the areas north and south of Matthews Ridge.

North of the Ridge, detailed geological mapping proved the occurrence of a further manganese horizon. A great deal of detailed work including pitting, trenching, sampling and geophysical surveying was carried out in this area. This work was concentrated on two hills where low grade outcrops of manganese oxide were found and on the area embracing the projections of the line of strike of the occurrences. This work was completed just before the end of the year. The results were disappointing in that the occurrences proved the oxides to be of low grade and of limited quantity.

South of the Ridge, systematic detailed geological mapping proceeded westwards to Mount Kopinamai and subsequently eastwards towards Arakaka and southwards towards the Barama river. The presence of a poorly developed manganese horizon was established, and by detailed geological mapping was traced a short distance to the west and also a few miles to the east. The horizon deteriorated progressively in this eastward direction. No manganese of economic interest was located.

GOLD

19. Petromina (B.G.) Limited was the only Company actively engaged in searching for gold.

Although it was decided from work carried out during 1960 that the alluvial deposits in the Puruni area were uneconomical, there remained the question of the existence of auriferous lodes in the same area.

Consequently, the permissions in the lower Puruni area were re-examined with the above question in view. This work was greatly facilitated by recent mapping carried out by the B.G. Geological Survey in the area.

Twelve men were employed on the re-examination and four miles of line cut. Taking into account the general geology of the Puruni basin and the results of former mining operations, it was decided that the best possibilities for the continuation of gold veins exist in the vicinity of Peters Mine. Accordingly, three gold claims were located in the area of the Mine and exclusive permissions 600 and 601 were abandoned.

DIAMONDS

20. Roraima Mining Limited failed to mount an exploration programme in the Echilebar Area and exclusive permission 602 was marked off.

OIL

21. No exploratory licences were in force during the year.

1074

Gulf States Land Industries Incorporation applied for an Oil Exploration Licence over an off-shore area of 8,450 square miles. At the end of the year, negotiations between Government and the Company had not been finalized.

#### COLUMBITE

22. Columbium Corporation were permitted to retain their exclusive permissions in the Mazaruni on a care and maintenance basis pending the outcome of negotiations with Government over the wood pulp project at Tiger Creek, Essequibo.

#### RADIO-ACTIVE MINERALS

23. Interest in the search for Radio-Active Minerals has waned following the withdrawal from British Guiana of the representative of UKAEA.

#### PRODUCTION AND DEVELOPMENT -

24. Bauxite production for 1961 showed a decrease of some 100,000 tons compared with the 1960 production. This was due mainly to intense competition in the aluminium metal market which had a considerable effect on sales of metal grade bauxite and caused Demerara Bauxite Company to contract their production.

The Alumina Plant at Mackenzie operated by Demerara Bauxite Company Limited went into production on the 28th March, 1961 and produced a total of 120,161 tons of alumina for the year.

Gold production of 1,703 ounces sunk to a new all-time low for mining operations in British Guiana. Improvement of this position is not anticipated so long as production continues to be entirely dependent on small-scale surface washing operations by porkknockers.

Diamond production on the other hand increased to nearly 112,680 carats, the highest record since 1929, due mainly to the discovery of deposits in the beds of the Ekrekú/Mazaruni and tributaries of the Wenamu.

Mining of manganese ore at Matthews Ridge by Manganese Mines Management Limited on behalf of North West Guiana Mining Company Limited continued throughout the year, and a total production of 212,126 tons of 42% average manganese content made a significant contribution to revenue in the form of royalty.

#### BAUXITE

IV 25. Bauxite production from 1917 to the present time is shown at Appendix IV.

26. The Demerara Bauxite Company Limited sold a total of 1,282,809 dry tons of bauxite during 1961 as compared with 1,921,486 tons in 1960, a decrease of 638,659 tons. The sale of calcined products however, increased considerably. The total sales of these products amounted to 365,260 tons. This record production was made possible through the conversion of one of the Company's kilns for calcining operations. In order to increase their capacity for dried bauxite, construction was started on a modern "parallel flow" kiln, measuring 130 feet long with a diameter of 11½ feet.

The production per mine was as follows:-

Montgomery - Arrowcane	632,970 tons
Maria Elizabeth	882,370 "
Noitgedacht	180,490 "
Three Friends	520 "
Dorabece	31,730 "
Warababaru 1 & 3	<u>254,570 "</u>
	<u>1,982,650 tons</u>

A total of 6,047,000 cubic yards of overburden was removed.

In order to cope with the ever increasing difficulties of overburden removal, the Company purchased a wheel excavator and ancillary equipment. The machine was completed and ready for trial at the end of the year and it is rated as capable of removing at least 600 cubic yards per hour and excavating to a depth of 122 feet.

During April, the 'King' dragline (450 W) was walked from Ituni to Maria Elizabeth Mine, a distance of approximately 30 miles, to assist with stripping operations in this area during the time that the 'Lord' dragline was being overhauled.

In May, a new large dragline (Bucyrus 480 W) was put into operation. This dragline carried a 235 feet boom with a 10 cubic yard bucket and is powered by a 1260 h.p. engine.

A new deposit, Warababaru 3, has been opened up in Ituni and operations at Warababaru No. 1 have now been closed down. The ore from this new deposit is hauled by slack line cable.

Mine development drilling was carried out in the Kara-Kara and Fair's Rust deposits. Seventy-three bore holes were put down to a total depth of 11,134 feet of which 1,175 feet were in bauxite. The maximum overburden overlying commercial grade bauxite was found to be 214 feet.

A total of 1,282,809 long tons of bauxite was sold in 1961 as compared with 1,921,468 tons in 1960. The quantities of various grades were as follows:-

Metallic	837,446 tons
Chemical	80,103 "
Refractory	201,132 "
Abrasive	<u>164,128 "</u>
	<u>1,282,809 tons</u>

Note: Metallic and chemical grades consist of dried bauxite.

Abrasive and refractory grades consist of calcined bauxite.

The total number of employees rose to 3,414 at the end of 1961, an increase of 752 over December 1960. Of this total, 399 are employed in the Alumina division.

27. Reynolds Metals Company shipped 333,899 tons of bauxite from Everton to the United States of America.



The main part of 18-Mombaka deposit has been drilled and sampled on 200 foot centres and the necessary data for well planned mining of this deposit is being processed to guide stripping and mining operations.

The area between 18-Mombaka and Block - 5 was drilled out in order to check the possibility of an isolated block related to 18-Mombaka. A total of 9 holes was drilled without success.

Development drilling was resumed on the western and southern part of 16-Bissaruni in order to outline areas for stripping and to obtain additional information on the south-western part of this deposit.

Five mechanical drills were in operation throughout the year resulting in 73,637 feet being drilled.

East of the Bissaruni river, bauxite was encountered in several holes but all of the material is under an overburden of more than 170 feet and even beyond 200 feet. The Solite/Empire combination was not tried because sampling is considered to become highly questionable at such depths and the Solite core barrel could not penetrate it.

The drilling on 29-Mora deposit was completed and the occurrence of bauxite of 15% silica content delimited. This deposit is a long narrow strip of medium to low grade bauxite with an overburden of more than 200 feet.

Additional drilling was done in 22-Kurubuka which has a pronounced fairly steep dip to the east and north-east giving the body a turtle-back shape with long sides.

#### MANGANESE

28. North West Guiana Mining Company Limited continued with construction work in the mining and industrial area and on permanent housing for employees and their families at Pakera Village.

Further deepening and extending of the No. 1 reservoir was carried out on a number of occasions during the year. During the early part of the year a second earth filled dam and controlling spillway were constructed up stream of Pakera creek above the No. 1 reservoir to form No. 2 reservoir which will provide additional storage capacity.

Pakera Village was extended and by the end of the year 48 blocks of married quarters and 35 blocks of bachelor quarters were occupied. Permanent buildings to house Post Office and combined Police Station, Magistrate's Court and Constables' quarters were constructed, made available to Government and brought into service. Laying of water mains and providing permanent water services to employees' houses continued throughout the year. Extensions and improvements to the Community Centre were carried out on a number of occasions. 1961 saw the start of site clearing and preparing for the permanent hospital and 95% of the building was completed by the end of the year. In addition, a site was selected, cleared and prepared for a permanent school building and construction was started.

New magazines for storing explosives and detonators have been constructed.

New permanent roads were constructed and numerous temporary access roads to mining areas were cut and graded. Existing roads called for regular maintenance and surfacing.

The Company's power barge "Pakera", maintained a regular shuttle service between Georgetown and Port Kaituma carrying equipment, fuel, lubricants, lumber, food supplies and general cargo.

A new launch "Manikuru", was delivered to Port Kaituma and entered into service on normal port duties, canal and river maintenance and piloting of the ore carrier in and out of the port.

All freight and personnel movements between Port Kaituma and Matthews Ridge were by the Company's railway services.

During the early part of 1961, Messrs. Pomeroy International Limited completed all construction work on dredging for the Kaituma River Waterway, the Ship Canal and the Turning Basin at Port Kaituma.

Mining and washing plant operations were brought to a standstill for a period of 5 weeks during the 1961 drought, but no stand-off policy was adopted, alternative work being provided for the affected workers. The average number of workers for the year was 637 and good relations between workers and management were maintained throughout.

Production of manganese ore at Matthews Ridge totalled 193,038 tons; 125,688 tons were transferred by rail from Matthews Ridge to Port Kaituma; 187,383 tons were shipped from Port Kaituma.

#### GOLD

V 29. Gold production from 1920 to the present time is shown at Appendix V.

Production for 1961 was entirely due to the efforts of individual operators, the chief producing area again being the North West which returned 833 ounces, most of this coming from the upper Barima-Barama area. Cuyuni returned 340 ounces, most of which was won from the upper Cuyuni/Wenamua area near the Venezuelan border.

The dredging concessions held by B.G. Consolidated Goldfields Limited in the Potaro remained on a care and maintenance basis throughout the year, while efforts continued to attract a suitable purchaser.

The operations by Barima Minerals Limited at Arakaka in the North West produced only 26 ounces of gold.

R.G. Humphrey produced 34 ounces of gold from mining concession 605 situate on the left bank Kaburi. R.G. Humphrey Gold Mines failed to produce from mining concession 573.

#### DIAMONDS

VI 30. Diamond production from 1920 to the present time is shown at Appendix VI.

Production was entirely due to the efforts of small-scale individuals operators on claims and river locations. Main producing areas were the Eping Gorge (Mazaruni), East Kurupung (Mazaruni), Ekreku (Cuyuni), Murawawe (Wenam) and to a lesser extent the Potaro in the vicinity of Kaieteur Fall. The prolonged mid-year dry season experienced during 1961 facilitated diving operations and many pumps worked on these rivers with spectacular results in some cases.

B.G. Diamond Corporation Limited did no work on mining concession 467 in the Meamu.

No work was done on mining concession 231 held by the Estate of J.A. Eytle (deceased) in Tacouba creek (Mazaruni).

E.E. Winter's work on mining concession 455 was curtailed to 65 days of actual washing during the year due to the exceptionally long dry weather. During this time, 180 cubic yards were treated and 52 carats recovered; approximately 600 cubic yards were stripped.

T.C. Stibbs

Commissioner of Lands and Mines.

LANDS AND MINES DEPARTMENT,

27th September, 1962.

APPENDIX I

MINING TITLES IN EXISTENCE DURING 1961

No.	Company	Location	Area (Acres)	To explore for
<u>MINING LEASE - BAUXITE</u>				
199	Demerara Bauxite Company Limited	Blocks D, E, F and G, Christianburg, Wismar	1,835	Bauxite
<del>589</del>	do.	Blocks 1 to 10 between Demerara and Berbice Rivers	6,873	do.
590	do.	Blocks A, B, C, D and E, left bank Demerara River	4,385	do.
591	do.	Blocks 11 to 22, Demerara/Berbice watershed	5,842	do.
592	do.	Blocks 23 to 29, Demerara/Berbice watershed	9,539	do.
593	do.	Both banks Demerara River	1,795	do.
594	do.	Left bank Demerara River	1,712	do.
596	do.	Blocks 30 to 35, Demerara/Berbice watershed	19,133	do.
364	Reynolds Metals Company	Left bank Kwakwani River, right bank Berbice River	4,164	do.
460	do.	Manaka creek, right bank Berbice River	1,623	do.
544	do.	Block III Chimeri, right bank Berbice River	467	do.
578	do.	Right bank Manaka creek, right bank Berbice River	940	do.
579	do.	Right bank Berbice River	2,421	do.
580	do.	do.	111	do.
581	do.	do.	4,402	do.
582	do.	do.	110	do.
<u>MINING LEASE - MANGANESE</u>				
518	North West Guiana Mining Company Limited	Matthews Ridge, North West District	37,760	Manganese and associated minerals
<u>MINING CONCESSION</u>				
231	J.A. Eytte	Tacouba creek, right bank Kurupung River, right bank Mazaruni River	550	Precious stones

6601

1090

Appendix I (continued)

No.	Company	Location	Area (Acres)	To explore for
<u>MINING CONCESSION</u>				
455	E.E. Winter	Tappa creek, left bank Muribang, right bank Potaro River	1,150	Precious stones
573	R.G. Humphrey Gold Mines Ltd.	Right bank Cuyuni River	648	Gold
605	R.G. Humphrey	Left bank Kaburi, right bank Mazaruni	469	do.
<u>DREDGING CONCESSION</u>				
440	B.G. Consolidated Goldfields Ltd.	Potaro River from mouth to Tumatumari Falls	3,499	Gold and precious stones
503	do.	Portion of Konawaruk River from Bucket creek to a point 3 miles above North Fork River	2,797	Gold
467	B.G. Diamond Mining Corporation Ltd.	Portion of Meamu River, right bank Mazaruni River	986	Gold, silver, valuable minerals and precious stones
494	Barima Minerals Ltd.	Both banks Arakaka creek, right bank Berbice River	2,587	Gold, silver and valuable minerals.

APPENDIX II

EXCLUSIVE PERMISSIONS IN FORCE DURING 1961

No.	Company	Location	Area (Acres)	To explore for
<u>EXCLUSIVE PERMISSIONS - GOLD AND DIAMONDS</u>				
345	B.G. Consolidated Goldfields Ltd.	Bed of Tiger River	1,200	Gold
355	do.	Bed of portion of Potaro River	2,500	do.
585	do.	Mahdia River 500 feet below Handrail creek	4,300	Gold, precious stones and valuable minerals
586	do.	do.	9,000	do.
587	do.	Potaro River at Tumatumari	6,130	do.
<u>EXCLUSIVE PERMISSIONS - BAUXITE</u>				
377	Demerara Bauxite Company Ltd.	Left bank Berbice River in the Ituni area	29,167	Bauxite
445	do.	Portion of the Demerara/Berbice watershed	253,820	do.
446	do.	Portion of the Berbice/Corentyne watershed	8,448	do.
500	do.	Left bank Demerara River	291,272	do.
513	do.	Right bank Demerara River	105,000	do.
561	do.	do.	175,600	do.
563	do.	Both banks Cuyuni River	172,350	do.
564	do.	Left bank Corentyne River	387,200	do.
565	do.	Left bank Demerara River	354,000	do.
588	do.	Between Essequibo and Demerara Rivers	130,000	do.
492	Harvey Aluminum of America	Between Essequibo and Cuyuni Rivers	191,400	do.
535	do.	do.	61,000	do.
552	do.	Between Essequibo and Demerara Rivers	100,000	do.
571	do.	Between Pomeroon and Moruca Rivers	218,000	do.
572	do.	Between Pomeroon and Supenaam Rivers	202,700	do.
598	do.	Between Essequibo and Demerara Rivers	205,800	do.
599	do.	Left bank Corentyne River	400,000	do.
575	Petromina (B.G.) Ltd.	Between Mazaruni and Essequibo Rivers	553,000	do.
604	do.	Left bank Essequibo River	600,000	do.

1001

APPENDIX II (continued)

No.	Company	Location	Area (Acres)	To explore for
391	Reynolds Metals Company	Kwakwani, right bank Berbice River	102,266	Bauxite
431	do.	do.	316,250	do.
458	do.	do.	100,750	do.
557	do.	Left bank Corentyne River	120,000	do.
558	do.	do.	35,000	do.
559	do.	Between the Demerara and Berbice Rivers	152,800	do.
560	do.	Between the Berbice and Corentyne Rivers	224,000	do.
597	do.	Left bank Corentyne River opposite the mouth of the Assipoya River	228,200	do.
<u>EXCLUSIVE PERMISSIONS - COLUMBITE</u>				
508	Columbium Corporation	Left bank Mazaruni River	23,100	Columbite/Tantalite
515	do.	Right bank Puruni River	6,200	do.
524	do.	do.	18,700	Columbite
556	do.	Between Cuyuni and Mazaruni Rivers	119,300	Columbite/Tantalite
<u>EXCLUSIVE PERMISSION - MANGANESE</u>				
603	North West Guiana Mining Company Ltd.	Between Barama and Amakura Rivers	1,545,000	Manganese

1002

APPENDIX III

Areas held for exploration/mining at 31st December, 1961

	<u>Number</u>		<u>Acres</u>
1. Mining Lease	17		103,112
2. Mining Concession	4		2,817
3. Dredging Concession	4		9,869
4. Exclusive Permissions:			
(a) Bauxite	27	5,718.023	
(b) Gold, Precious Stones and Valuable Minerals	5	23.130	
(c) Manganese	1	1,545.000	
(d) Columbite/Tantalite	4	<u>167.300</u>	<u>7,453,453</u>
		TOTAL	<u>7,569,251</u>

10820



APPENDIX IV

MINING STATISTICS - BRITISH GUIANA

BAUXITE

YEAR	Demerara Bauxite Co., Ltd.	Berbice Company Limited	Plantation Bauxite Co., Ltd.	Reynolds Metals Company	Total Value of Exports	Total Export Duty	Demerara Bauxite Co., Ltd.	Berbice Company Limited	Plantation Bauxite Co., Ltd.	Reynolds Metals Company	REMARKS
	Tons Exported	Tons Exported	Tons Exported	Tons Exported	f.o.b. \$	\$	Royalty \$	Royalty \$	Royalty \$	Royalty \$	
1917	2,037	-	-	-	-	-	204	-	-	-	
1918	4,199	-	-	-	-	-	420	-	-	-	
1919	1,967	-	-	-	-	-	197	-	-	-	
1920	29,399	-	-	-	136,364	1,364	2,940	-	-	-	
1921	12,384	-	-	-	57,975	580	1,239	-	-	-	
1922	-	-	-	-	-	-	-	-	-	-	
1923	100,346	-	-	-	530,345	3,983	10,025	-	-	-	
1924	154,324	-	-	-	781,736	11,726	15,433	-	-	-	
1925	174,999	-	-	-	886,343	13,295	17,500	-	-	-	
1926	183,859	-	-	-	920,682	13,810	18,386	-	-	-	
1927	160,933	-	-	-	806,549	12,098	16,094	-	-	-	
1928	167,621	-	-	-	839,615	12,594	20,152	-	-	-	
1929	182,692	-	-	-	914,035	13,710	17,274	-	-	-	
1930	119,616	-	-	-	598,080	8,971	8,321	-	-	-	
1931	125,095	-	-	-	626,308	9,394	10,724	-	-	-	
1932	64,888	-	-	-	498,850	7,482	5,868	-	-	-	
1933	35,916	-	-	-	263,953	3,959	4,800	-	-	-	
1934	50,605	-	-	-	318,137	4,772	6,386	-	-	-	
1935	111,500	-	-	-	663,911	9,958	10,253	-	-	-	
1936	170,153	-	-	-	1,030,132	15,452	13,587	-	-	-	
1937	300,707	-	-	-	1,719,793	25,796	16,965	-	-	-	
1938	376,368	-	-	-	2,020,275	30,304	14,366	-	-	-	
1939	476,013	-	-	-	2,889,368	46,646	3,393	-	-	-	
1940	624,487	-	-	-	4,023,752	124,897	15,540	-	-	-	
1941	1,072,616	-	-	-	6,986,437	214,523	4,800	-	-	-	

1085

APPENDIX IV (Continued)

YEAR	Demerara Bauxite Co., Ltd.	Berbice Company Limited	Plantation Bauxite Co., Ltd.	Reynolds Metals Company	Total Value of Exports	Total Export Duty	Demerara Bauxite Co., Ltd.	Berbice Company Limited	Plantation Bauxite Co., Ltd.	Reynolds Metals Company	REMARKS
	Tons Exported	Tons Exported	Tons Exported	Tons Exported	f.o.b. \$	\$	Royalty \$	Royalty \$	Royalty \$	Royalty \$	
1942	1,114,107	2,356	-	-	7,215,294	223,293	7,479	236	-	-	
1943	1,889,159	12,234	-	-	10,899,895	186,052	11,163	1,223	-	-	
1944	873,969	-	-	-	5,411,980	81,180	44,108	-	-	-	
1945	737,157	1,387	-	-	3,660,635	54,909	55,211	139	-	-	
1946	1,093,954	26,061	-	-	6,062,798	90,942	58,370	2,606	-	-	
1947	1,247,659	42,700	-	-	6,729,112	113,013	49,180	4,271	-	-	
1948	1,754,919	118,166	-	-	9,514,827	561,950	57,702	11,817	-	-	
1949	1,649,867	107,788	-	-	12,009,356	527,295	72,044	10,779	-	-	
1950	1,461,653	121,764	-	-	13,832,442	475,025	68,624	12,176	-	-	
1951	1,840,654	162,090	-	-	16,417,492	954,614	96,188	16,209	-	-	
1952	2,113,678	172,288	-	-	22,240,371	1,108,714	64,121	17,227	-	-	
1953	2,013,995	54,960*	43,120	-	23,537,758	1,085,323	69,531	5,496	10,780	-	
1954	1,917,203	-	(2)	167,365	23,234,607	1,071,625	73,278	-	-	16,737	*Property now operated by Reynolds Metals Company. (2) From 1954 Plantation Bauxite Co. sold all ore produced to Demerara Bauxite Co. and in 1957 their mining titles were acquired by the latter Company.
1955	1,974,628	-	-	190,840	24,787,365	1,114,931	86,703	-	-	19,084	
1956	1,911,163	-	-	214,161	29,335,099	1,123,272	125,637	-	-	21,416	
1957	1,704,815	-	-	306,815	29,516,228	1,000,222	107,841	-	-	30,682	
1958	1,184,003	-	-	166,530	20,562,188	607,740	53,509	-	-	16,651	Export duty on Calcined and on other Bauxite fixed 45¢ per ton by Order-in-Council No. 19 of 1957.
1959	1,361,862	-	-	165,581	29,789,280	687,349	32,239	-	-	35,115	
1960	1,900,811	-	-	206,565	26,320,959	948,319	80,770	-	-	51,641	
1961	1,279,734	-	-	338,899	28,474,977	728,385	34,983	-	-	84,725	

APPENDIX V

MINING STATISTICS - BRITISH GUIANA

G O L D

Year	Production Bull. Ozs.	Value	Av. Price per oz.	Royalty	Exported Ozs.	Value	Revenue on Exports	Remarks
		\$	\$	\$		\$	\$	
1920	12,692	224,657	17.70	3,072	10,063	200,939	-	
1921	12,828	281,671	21.90	3,036	10,247	224,990	-	
1922	10,876	204,543	18.80	2,781	9,522	179,070	-	
1923	7,262	136,131	18.70	1,441	5,621	105,369	639	
1924	7,187	129,314	17.90	948	5,491	98,803	1,482	
1925	9,107	173,033	19.00	1,162	6,974	131,970	1,980	
1926	7,450	141,550	19.00	1,110	5,434	98,263	1,474	
1927	6,723	121,012	17.00	1,328	5,607	99,422	1,491	
1928	6,083	108,639	17.80	1,355	4,264	76,149	1,142	
1929	7,294	130,198	17.80	1,646	5,837	100,535	1,508	
1930	6,933	121,328	17.50	2,557	5,057	89,581	1,344	
1931	11,092	197,465	17.80	4,740	16,519	269,313	4,040	
1932	15,171	310,246	20.50	6,193	19,988	381,594	5,724	
1933	25,439	595,017	23.40	12,621	27,075	633,247	9,499	Royalty 50¢ per ounce
1934	27,691	649,358	23.40	13,853	28,797	675,296	10,129	
1935	33,211	842,895	25.30	16,615	33,313	844,494	12,682	
1936	35,113	907,333	25.80	17,564	35,857	926,526	13,898	
1937	39,208	1,017,056	25.90	19,608	39,047	1,012,913	15,194	
1938	41,919	1,087,379	25.90	20,967	39,728	1,030,778	15,462	
1939	39,507	1,089,187	27.60	19,756	38,473	1,060,616	15,909	
1940	35,745	1,220,603	34.10	17,875	33,059	1,036,250	33,985	
1941	36,045	1,140,461	31.60	18,026	29,140	922,118	30,396	
1942	29,267	942,394	32.20	14,636	18,573	598,134	19,713	
1943	19,470	627,907	32.20	9,739	11,614	374,621	12,382	
1944	18,986	611,894	32.20	9,497	7,574	244,303	8,061	

107

APPENDIX V (Continued)

Year	Production Bull. Ozs.	Value	Av. Price per oz.	Royalty	Exported Ozs.	Value	Revenue on Exports	Remarks
		\$	\$	\$		\$	\$	
1945	22,533	741,331	32.90	11,270	9,711	319,477	11,948	
1946	24,741	989,640	40.00	12,367	10,724	354,995	13,597	
1947	26,389	1,055,560	40.00	13,195	16,771	557,850	21,261	
1948	20,648	682,829	33.10	10,371	16,025	529,981	-	
1949	21,098	882,469	41.80	10,550	16,331	622,225	-	Export tax removed
1950	13,740	639,228	46.50	6,870	11,420	531,302	-	
1951	14,689	734,450	50.00	7,347	10,004	476,324	-	
1952	24,223	1,211,150	50.00	12,168	16,348	885,085	-	
1953	20,966	1,237,833	50.04	10,483	12,372	730,402	-	
1954	26,938	1,456,538	54.07	13,469	16,959	916,903	-	
1955	23,766	1,388,647	58.43	11,896	13,972	825,517	-	
1956	15,815	957,915	60.57	7,909	6,552	396,847	-	
1957	16,491	990,120	60.04	8,254	8,305	498,707	-	
1958	17,500	1,046,500	59.80	8,754	10,777	644,446	-	
1959	3,448	190,330	55.20	1,733	712	39,320	-	
1960	2,364	106,380	45.00	1,207	-	-	-	
1961	1,702	75,199	44.13	854	8	353	-	

1088

APPENDIX VI

MINING STATISTICS - BRITISH GULANA

D I A M O N D S

Year	Production Carats	Value	Av. Price per carat	Royalty	Exported Carats	Value	Revenue on Exports	Remarks
		\$	\$	\$		\$	\$	
1920	39,362	1,351,372	34.30	1,992	28,000	961,278	-	
1921	102,603	1,583,266	15.40	1,140	106,520	1,643,698	-	
1922	163,640	3,961,369	24.20	38,438	159,426	3,859,357	-	
1923	214,474	4,953,468	23.10	107,154	214,385	4,956,410	33,519	Mining Regs. 1924 - Clause 24 (Royalty) - 50¢ per carat, Export tax 1% <u>ad</u> valorem, Export tax 35¢ per carat
1924	185,586	4,199,950	22.20	97,533	184,572	4,097,437	61,884	
1925	182,895	3,935,118	21.50	91,417	188,207	4,057,285	65,872	
1926	164,156	3,447,276	21.00	82,319	145,097	3,300,952	50,784	
1927	173,796	3,475,934	20.00	87,473	180,678	3,614,938	63,237	
1928	132,482	2,510,432	18.90	66,389	132,966	2,518,836	46,538	
1929	125,799	2,264,382	18.00	62,906	128,115	2,277,566	64,057	
1930	107,201	1,554,414	14.50	53,604	102,051	1,431,364	51,025	(Royalty 50¢, (Export tax 50¢
1931	61,840	505,234	8.20	23,262	65,550	535,603	31,652	Royalty 35¢, Export tax 6% <u>ad</u> valorem
1932	60,185	570,553	9.50	21,065	57,069	541,337	32,480	Section 21 of the Mining Regulations
1933	48,568	526,507	10.80	20,193	50,904	551,948	26,108	Section 20 (a) of Customs Duties amended <u>vide</u> Reg. XXIV.
1934	44,820	487,642	10.90	21,214	44,423	483,485	21,089	
1935	46,563	535,477	11.50	22,161	43,187	496,313	20,520	
1936	40,018	459,395	11.50	19,002	42,478	487,724	20,215	
1937	35,038	412,047	11.80	16,618	34,556	417,206	16,429	
1938	31,690	355,512	11.20	14,949	33,450	377,132	15,865	
1939	33,390	425,356	12.70	12,574	33,352	424,860	11,834	Royalty 15¢ per carat, Section 98 of
1940	27,473	439,568	16.00	4,121	17,559	269,446	2,634	Mining (Consolidation) Chapter 175
1941	26,027	416,432	16.00	3,904	28,663	441,510	4,389	dated 19.9.1939.
1942	22,207	428,836	19.30	3,331	20,705	399,918	3,218	
1943	18,272	404,359	22.10	2,742	16,761	370,923	2,884	
1944	16,020	388,461	24.20	2,403	13,914	327,313	2,155	
1945	15,442	459,708	29.80	2,313	16,911	513,678	2,462	

1050

APPENDIX VI (Continued)

Year	Production Carats	Value	Av. Price per carat	Royalty	Exported Carats	Value	Revenue on Exports	Remarks
		\$	\$	\$		\$	\$	
1946	30,957	1,393,065	45.00	4,643	30,071	1,279,241	4,205	
1947	24,067	751,053	31.20	3,608	25,905	808,360	3,852	
1948	35,671	1,426,649	40.00	5,379	33,959	1,325,024	5,075	
1949	33,941	1,174,163	34.60	5,069	34,375	1,189,184	5,152	
1950	36,495	1,342,381	36.80	5,509	37,034	1,363,377	5,553	
1951	43,260	1,643,880	38.00	6,304	40,726	1,698,475	5,952	
1952	37,297	1,305,395	35.00	18,650	38,179	1,497,634	5,726	
1953	34,377	1,349,641	39.26	17,189	34,594	1,352,078	5,189	Royalty increased to 50¢ per carat with effect from 1.1.52.
1954	29,282	1,186,507	40.52	14,642	29,583	1,198,636	4,437	
1955	32,424	1,348,838	41.60	16,209	32,351	1,345,644	4,853	
1956	29,816	1,288,051	43.20	14,523	30,869	1,333,639	4,630	
1957	29,037	1,342,381	46.23	14,158	29,453	1,361,686	4,418	
1958	33,091	1,398,095	42.25	16,132	32,758	1,384,075	4,914	
1959	62,328	3,093,338	49.63	30,356	60,992	3,026,760	9,149	
1960	101,004	5,202,715	51.51	49,720	92,280	4,753,691	13,842	
1961	112,679	4,642,415	41.20	54,937	124,612	5,134,242	18,692	

1090