Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G00 1

Latitude 4181610
Longitude 2330[illegible]
Quadrangle Crockland
Stream
Order 2

Project Crockland
Elevation 233
County Crockland
Date [illegible] 77
Collector [illegible]

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		2.[illegible]	
Ti			
Cr		18	
Mn		[illegible]	
Fe		0.71	
Co		4	
Ni		6	
Cu		4	
Zn		18	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		22	
Ce			
W			
Pb		7	
Th			
U			
Sr		1	
Cd		0	
Rb		11	

Method of Analysis [illegible]

Analyst [illegible]

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G00 2

Latitude 4 18 10 40
Longitude 2 39 380
Quadrangle GOOCHLAND
Stream
Order 2

Project GOOCHLAND
Elevation 182
County GOOCHLAND
Date (9-10) 77
Collector W M V M

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		3.4	
Ti			
Cr		16	
Mn		188	
Fe		.87	
Co		5	
Ni		7	
Cu		3	
Zn		17	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		40	
Ce			
W			
Pb		7	
Th			
U			
Sr		2	
Cd		0	
Rb		15	

Method of Analysis HCL

Analyst J L P - C W T

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G00 3

Latitude 4 / 80 740
Longitude 240 140
Quadrangle GOOCHLAND
Stream
Order /

Project GOOCHLAND
Elevation 190
County GOOCHLAND
Date (9-10) 77
Collector WM + VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		6.7	
Ti			
Cr		33	
Mn		510	
Fe		1.95	
Co		10	
Ni		14	
Cu		8	
Zn		43	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		80	
Ce			
W			
Pb		10	
Th			
U			
Sr		3	
Cd		0	
Rb		30	

Method of Analysis HCL

Analyst J.L.K. - O.N.F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. GOO 4

Latitude 4180 600
Longitude 23 7000
Quadrangle GOOCHLAND
Stream
Order 2

Project GOOCHLAND
Elevation 236
County GOOCHLAND
Date (9-10) 77
Collector WM + VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		4.0	
Ti			
Cr		25	
Mn		95	
Fe		.95	
Co		5	
Ni		10	
Cu		4	
Zn		23	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		70	
Ce			
W			
Pb		6	
Th			
U			
Sr		3	
Cd		0	
Rb		23	

Method of Analysis HCL

Analyst J L.K. - O.M.F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G005

Latitude 4 180 270
Longitude 237 590
Quadrangle GOOCHLAND
Stream
Order 2

Project GOOCHLAND
Elevation 217
County GOOCHLAND
Date (9-10) 77
Collector WMH VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		3.3	
Ti			
Cr		21	
Mn		95	
Fe		.18	
Co		5	
Ni		6	
Cu		4	
Zn		21	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		50	
Ce			
W			
Pb		5	
Th			
U			
Sr		2	
Cd		0	
Rb		17	

Method of Analysis HCL

Analyst J.L.K — O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. GOO 6

Latitude 4179 76 0
Longitude 238 300 76
Quadrangle GOOCHLAND
Stream
Order 2

Project GOOCHLAND
Elevation 193
County GOOCHLAND
Date (9-10) 77
Collector WM + VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		4.3	
Ti			
Cr		30	
Mn		192	
Fe		1.11	
Co		7	
Ni		13	
Cu		5	
Zn		29	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		80	
Ce			
W			
Pb		3	
Th			
U			
Sr		3	
Cd		0	
Rb		22	

Method of Analysis HCL

Analyst J.L.K. — O.M.F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G007

Latitude 4 179 040
Longitude 2 38 730
Quadrangle GOOCHLAND
Stream
Order 2

Project GOOCHLAND
Elevation 175
County GOOCHLAND
Date (9-10) 77
Collector W.M + V.M

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		25	
Ti			
Cr		14	
Mn		111	
Fe		.60	
Co		4	
Ni		6	
Cu		2	
Zn		18	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		40	
Ce			
W			
Pb		6	
Th			
U			
Sr		2	
Cd		0	
Rb		12	

Method of Analysis HCL

Analyst J.L.K. - O.N.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G00 8

Latitude 4 179 090
Longitude 239 670
Quadrangle GOOCHLAND
Stream
Order 2

Project GOOCHLAND
Elevation 188
County GOOCHLAND
Date (9-10) 77
Collector WMYVM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		12.8	
Ti			
Cr		32	
Mn		293	
Fe		2.10	
Co		17	
Ni		14	
Cu		12	
Zn		61	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		120	
Ce			
W			
Pb		15	
Th			
U			
Sr		3	
Cd		0	
Rb		59	

Method of Analysis HCL

Analyst J.L.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G-00 9

Latitude 4180 300
Longitude 242 510
Quadrangle GOOCHLAND
Stream
Order 3

Project GOOCHLAND
Elevation 225
County GOOCHLAND
Date (9-10) 77
Collector WM + VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		3.8	
Ti			
Cr		16	
Mn		112	
Fe		1.06	
Co		6	
Ni		10	
Cu		3	
Zn		26	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		60	
Ce			
W			
Pb		10	
Th			
U			
Sr		3	
Cd		0	
Rb		17	

Method of Analysis HCL

Analyst J.L.K. ~ O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G-00 10

Latitude 4 178 770
Longitude 242 430
Quadrangle GOOCHLAND
Stream
Order 3

Project GOOCHLAND
Elevation 191
County GOOCHLAND
Date (9-10) 77
Collector W M & V M

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		4.9	
Ti			
Cr		23	
Mn		180	
Fe		1.37	
Co		7	
Ni		10	
Cu		6	
Zn		36	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		70	
Ce			
W			
Pb		10	
Th			
U			
Sr		3	
Cd		0	
Rb		22	

Method of Analysis HCL

Analyst J.L.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G00 11

Latitude 4 177860
Longitude 242260
Quadrangle GOOCHLAND
Stream
Order 3

Project GOOCHLAND
Elevation 177
County GOOCHLAND
Date (9-10) 77
Collector WM + VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		2.4	
Ti			
Cr		14	
Mn		97	
Fe		.76	
Co		4	
Ni		3	
Cu		4	
Zn		16	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		40	
Ce			
W			
Pb		9	
Th			
U			
Sr		2	
Cd		0	
Rb		11	

Method of Analysis HCL

Analyst J.L.K. - O.N.E.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. GOO 12

Latitude 4 177 050
Longitude 242 150
Quadrangle GOOCHLAND
Stream
Order 3

Project GOOCHLAND
Elevation 166
County GOOCHLAND
Date (9-10) 77
Collector WMT UM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		1.7	
Ti			
Cr		9	
Mn		142	
Fe		.49	
Co		3	
Ni		2	
Cu		2	
Zn		12	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		20	
Ce			
W			
Pb		3	
Th			
U			
Sr		1	
Cd		0	
Rb		7	

Method of Analysis HCL

Analyst J.L.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G00 13

Latitude 4 178 990
Longitude 244 370
Quadrangle GOOCHLAND
Stream
Order 1

Project GOOCHLAND
Elevation 225
County GOOCHLAND
Date(9-10) 77
Collector WMIVM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		3.2	
Ti			
Cr		19	
Mn		107	
Fe		.91	
Co		5	
Ni		9	
Cu		3	
Zn		22	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		50	
Ce			
W			
Pb		7	
Th			
U			
Sr		3	
Cd		0	
Rb		15	

Method of Analysis HCL

Analyst JLK - OMF

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G00 14

Latitude 4 178 930
Longitude 244,400
Quadrangle GOOCHLAND
Stream
Order 1

Project GOOCHLAND
Elevation 227
County GOOCHLAND
Date (9-10) 77
Collector W M + V M

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		2.0	
Ti			
Cr		12.	
Mn		72	
Fe		.63	
Co		6	
Ni		4	
Cu		2	
Zn		14	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		40	
Ce			
W			
Pb		7	
Th			
U			
Sr		2	
Cd		0	
Rb		13	

Method of Analysis HCL

Analyst J.L.K. — O. M. F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. GOO 15

Latitude 4,177 710
Longitude 243 760
Quadrangle GOOCHLAND
Stream
Order 3

Project GOOCHLAND
Elevation 193
County GOOCHLAND
Date (9-10) 77
Collector W M & V M

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		2.4	
Ti			
Cr		18	
Mn		201	
Fe		.83	
Co		6	
Ni		7	
Cu		4	
Zn		20	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		40	
Ce			
W			
Pb		7	
Th			
U			
Sr		2	
Cd		0	
Rb		13	

Method of Analysis HCL

Analyst J.L.K. - O.M.P

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G 00 16

Latitude 4 176 780
Longitude 243 190
Quadrangle GOOCHLAND
Stream
Order 3

Project GOOCHLAND
Elevation 171
County GOOCHLAND
Date (9-10) 77
Collector WM + VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		1.9	
Ti			
Cr		14	
Mn		207	
Fe		.72	
Co		3	
Ni		5	
Cu		4	
Zn		16	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		5	
Th			
U			
Sr		2	
Cd		0	
Rb		11	

Method of Analysis HCL

Analyst J L.K — O m F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. GOO 17

Latitude 4176 220
Longitude 242 350
Quadrangle GOOCHLAND
Stream
Order 3

Project GOOCHLAND
Elevation 152
County GOOCHLAND
Date (9-10) 77
Collector WM + VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		1.2	
Ti			
Cr		7	
Mn		126	
Fe		.44	
Co		3	
Ni		3	
Cu		2	
Zn		9	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		4	
Th			
U			
Sr		1	
Cd		0	
Rb		6	

Method of Analysis HCL

Analyst J.L.K. - O. M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G00 18

Latitude 4 181 500
Longitude 244 350
Quadrangle GOOCHLAND
Stream
Order 2

Project GOOCHLAND
Elevation 277
County GOOCHLAND
Date (9-10) 77
Collector WMVM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		1.1	
Ti			
Cr		12	
Mn		68	
Fe		.37	
Co		3	
Ni		5	
Cu		2	
Zn		9	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		20	
Ce			
W			
Pb		7	
Th			
U			
Sr		1	
Cd		0	
Rb		7	

Method of Analysis HCL

Analyst J.L.K. — O.M.F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G-00 19

Latitude 4 18 1 260
Longitude 245 950
Quadrangle GOOCHLAND
Stream
Order 2

Project GOOCHLAND
Elevation 250
County GOOCHLAND
Date (9-10) 77
Collector WM + VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		1.0	
Ti			
Cr		12	
Mn		183	
Fe		.61	
Co		3	
Ni		3	
Cu		1	
Zn		12	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		9	
Th			
U			
Sr		1	
Cd		0	
Rb		7	

Method of Analysis HCL

Analyst J.L.K ~ o m F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G-00 20

Latitude 4 180 070
Longitude 246 180
Quadrangle GOOCHLAND
Stream
Order 1

Project GOOCHLAND
Elevation 244
County GOOCHLAND
Date (9-10) 77
Collector WMxVM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		1.2	
Ti			
Cr		13	
Mn		108	
Fe		68	
Co		3	
Ni		4	
Cu		2.	
Zn		13	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		9	
Th			
U			
Sr		1	
Cd		0	
Rb		8	

Method of Analysis HCL

Analyst J.L.K. — 0.00 F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G00 .21

Latitude 4 179 130
Longitude 246 490
Quadrangle GOOCHLAND
Stream
Order 3

Project GOOCHLAND
Elevation 225
County GOOCHLAND
Date (9 70) 77
Collector W MAUM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		1.8	
Ti			
Cr		13	
Mn		162	
Fe		.82	
Co		4	
Ni		5	
Cu		2	
Zn		16	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		40	
Ce			
W			
Pb		8	
Th			
U			
Sr		2	
Cd		0	
Rb		11	

Method of Analysis HCL

Analyst J.L.K. — O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. GOO 22

Latitude 4 176 180
Longitude 246 300
Quadrangle GOOCHLAND
Stream
Order 4

Project GOOCHLAND
Elevation 200
County GOOCHLAND
Date (9-19) 77
Collector WM + VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		2.6	
Ti			
Cr		16	
Mn		613	
Fe		1.30	
Co		6	
Ni		7	
Cu		4	
Zn		32	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		40	
Ce			
W			
Pb		9	
Th			
U			
Sr		2	
Cd		0	
Rb		13	

Method of Analysis HCL

Analyst J.L.K. - O M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. GOO 23

Latitude 4 174410
Longitude 246 030
Quadrangle GOOCHLAND
Stream
Order 4

Project GOOCHLAND
Elevation 189
County GOOCHLAND
Date (940) 77
Collector WMVM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		1.3	
Ti			
Cr		16	
Mn		509	
Fe		1.13	
Co		5	
Ni		4	
Cu		3	
Zn		16	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		12	
Th			
U			
Sr		2	
Cd		0	
Rb		6	

Method of Analysis HCL

Analyst JLK — O M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G00 24

Latitude 4 173 010
Longitude 245 870
Quadrangle GOOCHLAND
Stream
Order 4

Project GOOCHLAND
Elevation 181
County GOOCHLAND
Date (9-10) 77
Collector W M & V M

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		3.3	
Ti			
Cr		23	
Mn		401	
Fe		1.28	
Co		6	
Ni		8	
Cu		5	
Zn		23	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		60	
Ce			
W			
Pb		9	
Th			
U			
Sr		2	
Cd		0	
Rb		19	

Method of Analysis HCL

Analyst J.L.K. — O.M.F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. GOO 25

Latitude 4 173 810
Longitude 244 690
Quadrangle GOOCHLAND
Stream
Order 2

Project GOOCHLAND
Elevation 159
County GOOCHLAND
Date (9-10) 77
Collector WM + VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		2.6	
Ti			
Cr		31	
Mn		247	
Fe		.89	
Co		6	
Ni		8	
Cu		5	
Zn		22	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		50	
Ce			
W			
Pb		6	
Th			
U			
Sr		5	
Cd		0	
Rb		12	

Method of Analysis HCL

Analyst JLK — D.A.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G00 26

Latitude 4 177 380
Longitude 239 920
Quadrangle GOOCHLAND
Stream
Order 1

Project GOOCHLAND
Elevation 208
County GOOCHLAND
Date (9-10) 77
Collector WMYVM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		4.1	
Ti			
Cr		13	
Mn		123	
Fe		1.09	
Co		3	
Ni		5	
Cu		5	
Zn		24	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		8	
Th			
U			
Sr		2	
Cd		0	
Rb		16	

Method of Analysis HCL

Analyst J.L.K - O M.F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. GOO 27

Latitude 4 176 550
Longitude 239 260
Quadrangle GOOCHLAND
Stream
Order 1

Project GOOCHLAND
Elevation 180
County GOOCHLAND
Date (9-10) 77
Collector LUNIUM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		2.5	
Ti			
Cr		7	
Mn		196	
Fe		.96	
Co		4	
Ni		4	
Cu		4	
Zn		20	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		7	
Th			
U			
Sr		2	
Cd		0	
Rb		10	

Method of Analysis HCL

Analyst J.L.K. — O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. GOO 28

Latitude 4175 800
Longitude 239 200
Quadrangle GOOCHLAND
Stream
Order 7

Project GOOCHLAND
Elevation 158
County GOOCHLAND
Date (9-10) 77
Collector WMVM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		5.0	
Ti			
Cr		16	
Mn		788	
Fe		1.13	
Co		8	
Ni		7	
Cu		3	
Zn		27	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		50	
Ce			
W			
Pb		9	
Th			
U			
Sr		4	
Cd		0	
Rb		17	
—			
—			

Method of Analysis HCL

Analyst J.L.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. GOO 29

Latitude 4 177 710
Longitude 238 410
Quadrangle GOOCHLAND
Stream
Order 1

Project GOOCHLAND
Elevation 174
County GOOCHLAND
Date (9-19) 77
Collector W M + V M

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		18	
Ti			
Cr		8	
Mn		135	
Fe		.59	
Co		3	
Ni		3	
Cu		2	
Zn		12	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		7	
Th			
U			
Sr		1	
Cd		0	
Rb		8	

Method of Analysis NCL

Analyst J.L.K. - O.M.F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G00 30

Latitude 4 178 310
Longitude 237 670
Quadrangle GOOCHLAND
Stream
Order 1

Project GOOCHLAND
Elevation 214
County GOOCHLAND
Date (9-10) 77
Collector WM+UM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		3.4	
Ti			
Cr		18	
Mn		63	
Fe		.74	
Co		3	
Ni		7	
Cu		4	
Zn		17	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		40	
Ce			
W			
Pb		8	
Th			
U			
Sr		1	
Cd		0	
Rb		15	

Method of Analysis HCL

Analyst J.L.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G00 31

Latitude 4 176 600
Longitude 236 440
Quadrangle GOOCHLAND
Stream
Order 1

Project GOOCHLAND
Elevation 180
County GOOCHLAND
Date(9-10) 77
Collector WMYVM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		34	
Ti			
Cr		19	
Mn		87	
Fe		1.00	
Co		4	
Ni		7	
Cu		4	
Zn		19	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		40	
Ce			
W			
Pb		6	
Th			
U			
Sr		1	
Cd		0	
Rb		11	

Method of Analysis HCL

Analyst J.L.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G00 32

Latitude 4 175490
Longitude 237 430
Quadrangle GOOCHLAND
Stream
Order 1

Project GOOCHLAND
Elevation 178
County GOOCHLAND
Date (9-10) 77
Collector WM & VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		6.8	
Ti			
Cr		15	
Mn		169	
Fe		1.07	
Co		6	
Ni		9	
Cu		5	
Zn		28	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		6	
Th			
U			
Sr		4	
Cd		0	
Rb		17	

Method of Analysis HCL

Analyst J.L.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. GOO 33

Latitude 4 175 040
Longitude 235 140
Quadrangle GOOCHLAND
Stream
Order 3

Project GOOCHLAND
Elevation 193
County GOOCHLAND
Date (9-10) 77
Collector WM+VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		3.6	
Ti			
Cr		9	
Mn		84	
Fe		.55	
Co		3	
Ni		4	
Cu		2	
Zn		11	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		20	
Ce			
W			
Pb		5	
Th			
U			
Sr		2	
Cd		0	
Rb		10	

Method of Analysis HCL

Analyst J.L.K. - O.M.F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. GOO 34

Latitude 4 173000
Longitude 237 010
Quadrangle GOOCHLAND
Stream
Order 1

Project GOOCHLAND
Elevation 210
County GOOCHLAND
Date (9-10) 77
Collector WMVM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		33	
Ti			
Cr		8	
Mn		138	
Fe		.58	
Co		3	
Ni		3	
Cu		3	
Zn		9	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		20	
Ce			
W			
Pb		4	
Th			
U			
Sr		2	
Cd		0	
Rb		7	

Method of Analysis HCL

Analyst J.A.R. & M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. GOO 35

Latitude 4 172640
Longitude 237 310
Quadrangle GOOCHLAND
Stream
Order 2

Project GOOCHLAND
Elevation 196
County GOOCHLAND
Date (9-10) 77
Collector WMYVM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		9.4	
Ti			
Cr		16	
Mn		3 54	
Fe		1.04	
Co		6	
Ni		7	
Cu		7	
Zn		18	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		40	
Ce			
W			
Pb		7	
Th			
U			
Sr		3	
Cd		0	
Rb		18	

Method of Analysis HCL

Analyst J.L.K. — O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. GOO 36

Latitude 4172850
Longitude 238260
Quadrangle GOOCHLAND
Stream
Order 3

Project GOOCHLAND
Elevation 170
County GOOCHLAND
Date (9-70) 77
Collector WMNM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		9.0	
Ti			
Cr		20	
Mn		222	
Fe		1.35	
Co		7	
Ni		10	
Cu		8	
Zn		32	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		60	
Ce			
W			
Pb		6	
Th			
U			
Sr		4	
Cd		0	
Rb		34	

Method of Analysis HCL

Analyst J.L.K - O.M.F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G-00 37

Latitude 4 17 1 790
Longitude 238 560
Quadrangle GOOCHLAND
Stream
Order 1

Project GOOCHLAND
Elevation 187
County GOOCHLAND
Date (9-10) 77
Collector WMT VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		4.6	
Ti			
Cr		14	
Mn		257	
Fe		.81	
Co		4	
Ni		4	
Cu		2	
Zn		18	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		10	
Th			
U			
Sr		2	
Cd		0	
Rb		12	

Method of Analysis HCL

Analyst J.L.K. - O.A.F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. GOO 38

Latitude 4 171 090
Longitude 237 760
Quadrangle GOOCHLAND
Stream
Order 1

Project GOOCHLAND
Elevation 266
County GOOCHLAND
Date (9-10) 77
Collector WMVM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		6.7	
Ti			
Cr		17	
Mn		142	
Fe		1.34	
Co		6	
Ni		4	
Cu		6	
Zn		19	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		40	
Ce			
W			
Pb		11	
Th			
U			
Sr		2	
Cd		0	
Rb		16	

Method of Analysis HCL

Analyst J.L.K - O.M.F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. GOO 39

Latitude 4 168 880
Longitude 238 930
Quadrangle GOOCHLAND
Stream
Order 1

Project GOOCHLAND
Elevation 175
County GOOCHLAND
Date (9-10) 77
Collector WM + VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		8.3	
Ti			
Cr		20	
Mn		247	
Fe		1.26	
Co		7	
Ni		7	
Cu		6	
Zn		27	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		50	
Ce			
W			
Pb		10	
Th			
U			
Sr		3	
Cd		0	
Rb		24	

Method of Analysis HCL

Analyst JLK - OMF

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. GOO 40

Latitude 4169 480
Longitude 235 590
Quadrangle GOOCHLAND
Stream
Order 2

Project GOOCHLAND
Elevation 176
County GOOCHLAND
Date (9-70) 77
Collector WMTUM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		3.1	
Ti			
Cr		10	
Mn		80	
Fe		.65	
Co		5	
Ni		3	
Cu		3	
Zn		19	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		6	
Th			
U			
Sr		2	
Cd		0	
Rb		9	

Method of Analysis HCL

Analyst J.L.K. - O.M.F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. GOO 41

Latitude 4180530
Longitude 239540
Quadrangle GOOCHLAND
Stream
Order 6

Project GOOCHLAND
Elevation 177
County GOOCHLAND
Date (9-10) 77
Collector WM + VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		3.7	
Ti			
Cr		17	
Mn		549	
Fe		.94	
Co		6	
Ni		7	
Cu		3	
Zn		18	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		40	
Ce			
W			
Pb		7	
Th			
U			
Sr		2	
Cd		0	
Rb		15	

Method of Analysis HCL

Analyst JLK · O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G HYL 1

Latitude 4 1 74 980
Longitude 758 570 W
Quadrangle HYLAS
Stream
Order 2

Project GOOCHLAND
Elevation 290
County GOOCHLAND
Date 5-12-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		4.3	
Ti			
Cr		8	
Mn		170	
Fe		1.27	
Co		4	
Ni		3	
Cu		2	
Zn		31	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		40	
Ce			
W			
Pb		8	
Th			
U			
Sr		6	
Cd		0	
Rb		15	

Method of Analysis HCL

Analyst J.L.K. - C M F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G HYL 2

Latitude 4174 310
Longitude 759 640
Quadrangle HYLAS
Stream
Order 2

Project GOOCHLAND
Elevation 260
County GOOCHLAND
Date 5-12-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		1.8	
Ti			
Cr		8	
Mn		515	
Fe		1.36	
Co		6	
Ni		3	
Cu		2	
Zn		21	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		10	
Th			
U			
Sr		2	
Cd		0	
Rb		11	

Method of Analysis HCL

Analyst JLK - OAF

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G HYL 3

Latitude 4173680
Longitude 760310
Quadrangle HYLAS
Stream
Order 2

Project GOOCHLAND
Elevation 246
County GOOCHLAND
Date 5-12-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		3.3	
Ti			
Cr		11	
Mn		502	
Fe		2.00	
Co		8	
Ni		6	
Cu		4	
Zn		34	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		40	
Ce			
W			
Pb		12	
Th			
U			
Sr		2	
Cd		0	
Rb		17	

Method of Analysis HCL

Analyst JLP 0.21

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G HYL 4

Latitude 4173290
Longitude 761130
Quadrangle HYLAS
Stream
Order 2

Project GOOCHLAND
Elevation 227
County GOOCHLAND
Date 5-11-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		2.2	
Ti			
Cr		9	
Mn		356	
Fe		1.55	
Co		5	
Ni		2	
Cu		3	
Zn		24	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		40	
Ce			
W			
Pb		9	
Th			
U			
Sr		3	
Cd		0	
Rb		13	

Method of Analysis HCL

Analyst J.L. K. [illegible]

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G HYL 5

Latitude 4173100
Longitude 763690
Quadrangle HYLAS
Stream
Order 2

Project GOOCHLAND
Elevation 199
County GOOCHLAND
Date 5-10-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		1.2	
Ti			
Cr		12	
Mn		303	
Fe		1.77	
Co		6	
Ni		3	
Cu		4	
Zn		13	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		7	
Th			
U			
Sr		3	
Cd		0	
Rb		3	

Method of Analysis HCL

Analyst J L K - 0.01 F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G- HYL 6

Latitude 4173670
Longitude 763 000
Quadrangle HYLAS
Stream
Order 3

Project GOOCHLAND
Elevation 194
County GOOCHLAND
Date 5-10-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		1.6	
Ti			
Cr		17	
Mn		477	
Fe		1.63	
Co		7	
Ni		5	
Cu		6	
Zn		19	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		40	
Ce			
W			
Pb		9	
Th			
U			
Sr		3	
Cd		0	
Rb		6	

Method of Analysis HCL

Analyst J.L.K. - O.M.F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G HYL 7

Latitude 4 174 300
Longitude 762 570
Quadrangle HYLAS
Stream
Order 3

Project GOOCHLAND
Elevation 210
County GOOCHLAND
Date 5-10-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		2.0	
Ti		~~18~~	
Cr		18	
Mn		290	
Fe		1.55	
Co		6	
Ni		6	
Cu		6	
Zn		18	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		40	
Ce			
W			
Pb		10	
Th			
U			
Sr		4	
Cd		0	
Rb		7	

Method of Analysis HCL

Analyst J.L.K. O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G HYL 8

Latitude 4 174 490
Longitude 762 050
Quadrangle HYLAS
Stream
Order 2

Project GOOCHLAND
Elevation 326
County GOOCHLAND
Date 5-11-77
Collector R S G

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		1.7	
Ti			
Cr		20	
Mn		455	
Fe		2.03	
Co		7	
Ni		6	
Cu		5	
Zn		23	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		11	
Th			
U			
Sr		3	
Cd		0	
Rb		7	

Method of Analysis HCL

Analyst J. K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G HYL 9A

Latitude 4174 892
Longitude 764 298
Quadrangle HYLAS
Stream
Order 2

Project GOOCHLAND
Elevation 209
County GOOCHLAND
Date 5-11-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		1.6	
Ti			
Cr		11	
Mn		286	
Fe		1.33	
Co		7	
Ni		4	
Cu		6	
Zn		18	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		13	
Th			
U			
Sr		3	
Cd		0	
Rb		6	

Method of Analysis ICP

Analyst [illegible]

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G HYL9B

Latitude 4 175 380
Longitude 261 290
Quadrangle HYLAS
Stream
Order 2

Project GOOCHLAND
Elevation 250
County GOOCHLAND
Date 5-11-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		10	
Ti			
Cr		27	
Mn		171	
Fe		1.38	
Co		4	
Ni		7	
Cu		4	
Zn		13	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		11	
Th			
U			
Sr		2	
Cd		0	
Rb		6	

Method of Analysis HCL

Analyst [illegible]

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G HYL 10

Latitude 4 174 300
Longitude 764 220
Quadrangle HYLAS
Stream
Order 2

Project GOOCHLAND
Elevation 194
County GOOCHLAND
Date 5-5-77
Collector R S G

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		7.0	
Ti			
Cr		23	
Mn		408	
Fe		1.84	
Co		10	
Ni		9	
Cu		14	
Zn		36	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		40	
Ce			
W			
Pb		14	
Th			
U			
Sr		8	
Cd		0	
Rb		5	

Method of Analysis HCL.

Analyst J.L.K. - O.M.F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G HYL 11

Latitude 4 17 3 400
Longitude 76 4 3 10
Quadrangle HYLAS
Stream
Order 2

Project GOOCHLAND
Elevation 171
County GOOCHLAND
Date 5-3 77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		4.6	
Ti			
Cr		14	
Mn		330	
Fe		1.02	
Co		6	
Ni		6	
Cu		7	
Zn		21	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		20	
Ce			
W			
Pb		13	
Th			
U			
Sr		.5	
Cd		0	
Rb		5	

Method of Analysis HCL

Analyst J.LK

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G HYL 12

Latitude 4 172 970
Longitude 763 930
Quadrangle HYLAS
Stream
Order 4

Project GOOCHLAND
Elevation 170
County GOOCHLAND
Date 5-3-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		2.0	
Ti			
Cr		19	
Mn		235	
Fe		1.71	
Co		1	
Ni		4	
Cu		7	
Zn		17	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		6	
Th			
U			
Sr		3	
Cd		0	
Rb		7	

Method of Analysis HCL

Analyst J.L.K. - O.M.F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G HYL 13

Latitude 4176 430
Longitude 766 090
Quadrangle HYLAS
Stream
Order 3

Project GOOCHLAND
Elevation 228
County GOOCHLAND
Date 5-3 77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		1.7	
Ti			
Cr		6	
Mn		174	
Fe		.66	
Co		5	
Ni		3	
Cu		3	
Zn		15	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		10	
Th			
U			
Sr		3	
Cd		0	
Rb		5	

Method of Analysis HCL

Analyst J.L.K. - O.M.F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G HYL 14

Latitude 4 175620
Longitude 766 280
Quadrangle HYLAS
Stream
Order 4

Project GOOCHLAND
Elevation 200
County GOOCHLAND
Date 5-3-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		1.7	
Ti			
Cr		4	
Mn		109	
Fe		.38	
Co		2	
Ni		3	
Cu		1	
Zn		9	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		20	
Ce			
W			
Pb		8	
Th			
U			
Sr		2	
Cd		0	
Rb		4	

Method of Analysis HCL

Analyst JLK - 0.1 F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G HYL 15

Latitude 4 174 680
Longitude 766 550
Quadrangle HYLAS
Stream
Order 4

Project GOOCHLAND
Elevation 176
County GOOCHLAND
Date 5-3-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		3.8	
Ti			
Cr		5	
Mn		215	
Fe		.76	
Co		4	
Ni		5	
Cu		2	
Zn		12	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		20	
Ce			
W			
Pb		11	
Th			
U			
Sr		3	
Cd		0	
Rb		6	

Method of Analysis HCL

Analyst J.L.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G HYL 16

Latitude 4 173-560
Longitude 766 330
Quadrangle HYLAS
Stream
Order 4

Project GOOCHLAND
Elevation 164
County GOOCHLAND
Date 5-5 77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		4.8	
Ti			
Cr		6	
Mn		474	
Fe		.76	
Co		4	
Ni		3	
Cu		3	
Zn		13	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		12	
Th			
U			
Sr		2	
Cd		0	
Rb		8	

Method of Analysis HCL

Analyst J.L.K. - O.A.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G HYL 17

Latitude 4 17 9.50
Longitude 76 4 9.00
Quadrangle HYLAS
Stream
Order 4

Project GOOCHLAND
Elevation 156
County GOOCHLAND
Date 5 5 77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		4.1	
Ti			
Cr		18	
Mn		317	
Fe		1.71	
Co		7	
Ni		5	
Cu		5	
Zn		25	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		40	
Ce			
W			
Pb		9	
Th			
U			
Sr		4	
Cd		0	
Rb		8	

Method of Analysis HCL

Analyst J.L.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G HYL 18

Latitude 4 171 850
Longitude 763 570
Quadrangle HYLAS
Stream
Order 2

Project GOOCHLAND
Elevation 192
County GOOCHLAND
Date 5-5-77
Collector RSL

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		4.8	
Ti			
Cr		10	
Mn		295	
Fe		.87	
Co		4	
Ni		6	
Cu		3	
Zn		17	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		20	
Ce			
W			
Pb		9	
Th			
U			
Sr		2	
Cd		0	
Rb		8	
—			
—			

Method of Analysis HCL

Analyst J.L.K. -0.1.F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G HYL 19

Latitude 4 171 190
Longitude 762 380
Quadrangle HYLAS
Stream
Order 2

Project GOOCHLAND
Elevation 225
County GOOCHLAND
Date 5-5 77
Collector RSC

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		12	
Ti			
Cr		10	
Mn		514	
Fe		1.60	
Co		4	
Ni		2	
Cu		3	
Zn		24	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		20	
Ce			
W			
Pb		22	
Th			
U			
Sr		2	
Cd		0	
Rb		4	

Method of Analysis HCL

Analyst J.A.K. - O.M.F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G HYL 20

Latitude 4 170 500
Longitude 763 610
Quadrangle HYLAS
Stream
Order 2

Project GOOCHLAND
Elevation 190
County GOOCHLAND
Date 5-5-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		5.3	
Ti			
Cr		6	
Mn		163	
Fe		.75	
Co		4	
Ni		3	
Cu		3	
Zn		19	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		20	
Ce			
W			
Pb		7	
Th			
U			
Sr		5	
Cd		0	
Rb		7	

Method of Analysis HCL

Analyst J.L.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G HYL 21

Latitude 4 17 1 210
Longitude 76 4 310
Quadrangle HYLAS
Stream
Order 2

Project GOOCHLAND
Elevation 159
County GOOCHLAND
Date 5-10-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		5.7	
Ti			
Cr		9	
Mn		46.6	
Fe		1.38	
Co		6	
Ni		3	
Cu		3	
Zn		22	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		13	
Th			
U			
Sr		7	
Cd		0	
Rb		11	

Method of Analysis HCL

Analyst J.L.K. - O.M.F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G HYL 22

Latitude 4 172940 [illegible]
Longitude 764 530
Quadrangle HYLAS
Stream
Order 3

Project GOOCHLAND
Elevation 160
County GOOCHLAND
Date 5-10-77
Collector RSC

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		7.5	
Ti			
Cr		7	
Mn		265	
Fe		.87	
Co		5	
Ni		3	
Cu		2	
Zn		17	
As			
Y			
Zr			
Nb			
Mo			
Ag		C	
Sn			
Ba		30	
Ce			
W			
Pb		12	
Th			
U			
Sr		3	
Cd		0	
Rb		9	

Method of Analysis HCL

Analyst J.L.K. - O.M.F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G HYL 23

Latitude 4 1 52 620
Longitude 763 140
Quadrangle HYLAS
Stream
Order 4

Project GOOCHLAND
Elevation 154
County GOOCHLAND
Date 5-10-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		4.4	
Ti			
Cr		8	
Mn		357	
Fe		1.10	
Co		6	
Ni		5	
Cu		3	
Zn		23	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		20	
Ce			
W			
Pb		9	
Th			
U			
Sr		7	
Cd		0	
Rb		5	
—			
—			

Method of Analysis HCL

Analyst J.L.K. - O.M.F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G HYL 24

Latitude 4 155440
Longitude 761 510
Quadrangle HYLAS
Stream
Order 3

Project GOOCHLAND
Elevation 196
County GOOCHLAND
Date 5-11-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		3.5	
Ti			
Cr		7	
Mn		136	
Fe		.52	
Co		2	
Ni		4	
Cu		1	
Zn		12	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		20	
Ce			
W			
Pb		9	
Th			
U			
Sr		4	
Cd		0	
Rb		4	

Method of Analysis HCL

Analyst J.L.K. — O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G HYL 25

Latitude 4161 810
Longitude 763 000
Quadrangle HYLAS
Stream
Order 3

Project GOOCHLAND
Elevation 185
County GOOCHLAND
Date 5-11-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		2.3	
Ti			
Cr		7	
Mn		164	
Fe		.65	
Co		3	
Ni		2	
Cu		3	
Zn		14	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		10	
Th			
U			
Sr		3	
Cd		0	
Rb		3	

Method of Analysis HCL

Analyst J.L.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G HYL 26

Latitude 4 172 260
Longitude 760 780
Quadrangle HYLAS
Stream
Order 1

Project GOOCHLAND
Elevation 230
County GOOCHLAND
Date 5-18-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		0.8	
Ti			
Cr		10	
Mn		390	
Fe		2.29	
Co		5	
Ni		3	
Cu		4	
Zn		18	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		12	
Th			
U			
Sr		2	
Cd		0	
Rb		3	

Method of Analysis HCL

Analyst J.L.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G HYL 27

Latitude 4159 560
Longitude 758 230
Quadrangle HYLAS
Stream
Order 1

Project GOOCHLAND
Elevation 175
County GOOCHLAND
Date 5-17-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		4.0	
Ti			
Cr		34	
Mn		454	
Fe		1.76	
Co		10	
Ni		8	
Cu		5	
Zn		35	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		70	
Ce			
W			
Pb		9	
Th			
U			
Sr		5	
Cd		0	
Rb		21	

Method of Analysis HCL

Analyst J.L.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G HYL 28

Latitude 4160 000
Longitude 758 560
Quadrangle HYLAS
Stream
Order 2

Project GOOCHLAND
Elevation 167
County GOOCHLAND
Date 5-17-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		2.6	
Ti			
Cr		10	
Mn		601	
Fe		1.77	
Co		7	
Ni		4	
Cu		3	
Zn		35	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		50	
Ce			
W			
Pb		8	
Th			
U			
Sr		4	
Cd		0	
Rb		17	

Method of Analysis HCL

Analyst JLK - O .M.F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G HYL 29

Latitude 4162 710
Longitude 759 060
Quadrangle HYLAS
Stream
Order 1

Project GOOCHLAND
Elevation 176
County GOOCHLAND
Date 5-17-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		4.7	
Ti			
Cr		27	
Mn		328	
Fe		1.97	
Co		9	
Ni		11	
Cu			
Zn		36	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		80	
Ce			
W			
Pb		14	
Th			
U			
Sr		7	
Cd		0	
Rb		25	

Method of Analysis HCL

Analyst J.L.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G HYL 30

Latitude 4162220 Project GOOCHLAND
Longitude 758 780 Elevation 168
Quadrangle HYLAS County GOOCHLAND
Stream Date 5-18-77
Order 3 Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		1.6	
Ti			
Cr		9	
Mn		350	
Fe		4.09	
Co		3	
Ni		2	
Cu		3	
Zn		20	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		8	
Th			
U			
Sr		3	
Cd		0	
Rb		10	

Method of Analysis HCL

Analyst J.L.K. - O.M.F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G MYL 31

Latitude 4 16 9 720
Longitude 759 090
Quadrangle HYLAS
Stream
Order 3

Project GOOCHLAND
Elevation 178
County GOOCHLAND
Date 5-18-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		2.1	
Ti			
Cr		9	
Mn		369	
Fe		1.41	
Co		4	
Ni		2	
Cu		2	
Zn		26	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		40	
Ce			
W			
Pb		7	
Th			
U			
Sr		3	
Cd		0	
Rb		13	

Method of Analysis ICL

Analyst S.L.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G HYL 32

Latitude 4180280
Longitude 759360
Quadrangle HYLAS
Stream
Order 3

Project GOOCHLAND
Elevation 196
County GOOCHLAND
Date 5-12-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		1.8	
Ti			
Cr		7	
Mn		242	
Fe		1.03	
Co		3	
Ni		1	
Cu		3	
Zn		22	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		5	
Th			
U			
Sr		2	
Cd		0	
Rb		10	

Method of Analysis HCL

Analyst J.L.K. - [illegible]

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G HYL 34

Latitude 4 187 280
Longitude 759 130
Quadrangle HYLAS
Stream
Order 2

Project GOOCHLAND
Elevation 225
County GOOCHLAND
Date 5-12-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		2.0	
Ti			
Cr		8	
Mn		315	
Fe		1.47	
Co		4	
Ni		1	
Cu		2	
Zn		30	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		40	
Ce			
W			
Pb		6	
Th			
U			
Sr		2	
Cd		0	
Rb		16	

Method of Analysis HCL

Analyst J.L.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G HYL 35

Latitude 4192 280
Longitude 758 610
Quadrangle HYLAS
Stream
Order 3

Project GOOCHLAND
Elevation 233
County GOOCHLAND
Date 5-12-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		2.6	
Ti			
Cr		8	
Mn		27	
Fe		180	
Co		4	
Ni		2	
Cu		2	
Zn		19	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		6	
Th			
U			
Sr		2	
Cd		0	
Rb		12	
—			
—			

Method of Analysis HCL

Analyst J.L.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G M1D 1

Latitude 1166900
Longitude 259790
Quadrangle MIDLOTHIAN
Stream
Order 2

Project GOOCHLAND
Elevation 175
County GOOCHLAND
Date 5-24-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		4.3	
Ti			
Cr		5	
Mn		223	
Fe		.75	
Co		2	
Ni		1	
Cu		2	
Zn		18	
As			
Y			
Zr			
Nb			
Mo			
Ag		C	
Sn			
Ba		20	
Ce			
W			
Pb		10	
Th			
U			
Sr		5	
Cd		0	
Rb		6	

Method of Analysis HCL

Analyst J.L.K. C.O.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G MID 2

Latitude 4165160
Longitude 259-080
Quadrangle MIDLOTHIAN
Stream
Order 3

Project GOOCHLAND
Elevation 135'
County GOOCHLAND
Date 5-25-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		2.7	
Ti			
Cr		6	
Mn		541	
Fe		1.18	
Co		6	
Ni		1	
Cu		2	
Zn		22	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		20	
Ce			
W			
Pb		13	
Th			
U			
Sr		3	
Cd		0	
Rb		5	

Method of Analysis HCL

Analyst J.L.K - D.M.F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G MID 3

Latitude 4165 460
Longitude 259 010
Quadrangle MIDLOTHIAN
Stream
Order 3

Project GOOCHLAND
Elevation 154
County GOOCHLAND
Date 5-19-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		3.3	
Ti			
Cr		6	
Mn		638	
Fe		1.48	
Co		4	
Ni		3	
Cu		1	
Zn		29	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		20	
Ce			
W			
Pb		19	
Th			
U			
Sr		3	
Cd		0	
Rb		6	

Method of Analysis HCL

Analyst JLK - DMF

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G MID 5

Latitude 4165670
Longitude 259610
Quadrangle MIDLOTHIAN
Stream
Order 2

Project GOOCHLAND
Elevation 170
County GOOCHLAND
Date 5-24-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		3.1	
Ti			
Cr		3	
Mn		185	
Fe		.53	
Co		3	
Ni		2	
Cu		2	
Zn		14	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		20	
Ce			
W			
Pb		11	
Th			
U			
Sr		2	
Cd		0	
Rb		7	

Method of Analysis HCl

Analyst J. L. K. - O. M. F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G MD 6

Latitude 4 164 010
Longitude 260 740
Quadrangle MIDLOTHIAN
Stream
Order 2

Project GOOCHLAND
Elevation 184
County GOOCHLAND
Date 5-24-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		12.4	
Ti			
Cr		7	
Mn		665	
Fe		1.46	
Co		6	
Ni		5	
Cu		7	
Zn		38	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		50	
Ce			
W			
Pb		25	
Th			
U			
Sr		13	
Cd		0	
Rb		23	

Method of Analysis HCL

Analyst J.L.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G MID 7

Latitude 4163 910
Longitude 241560
Quadrangle MIDLOTHIAN
Stream
Order 2

Project GOOCHLAND
Elevation 130
County GOOCHLAND
Date 5-19-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		9.5	
Ti			
Cr		12	
Mn		624	
Fe		1.75	
Co		11	
Ni		9	
Cu		11	
Zn		28	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		90	
Ce			
W			
Pb		11	
Th			
U			
Sr		8	
Cd		0	
Rb		16	

Method of Analysis HCL

Analyst J.L.K. — O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. GMD 8

Latitude 4163100
Longitude 262570
Quadrangle MIDLOTHIAN
Stream
Order 3

Project GOOCHLAND
Elevation 132
County GOOCHLAND
Date 5-23-77
Collector RSG-

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		49	
Ti			
Cr		9	
Mn		360	
Fe		.86	
Co		7	
Ni		4	
Cu		5	
Zn		14	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		40	
Ce			
W			
Pb		7	
Th			
U			
Sr		6	
Cd		0	
Rb		8	

Method of Analysis HCL

Analyst J.L.K. - O.M.F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G MD 9

Latitude 4165 750
Longitude 262 730
Quadrangle MIDLOTHIAN
Stream
Order 2

Project GOOCHLAND
Elevation 170
County GOOCHLAND
Date 5-19-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		87	
Ti			
Cr		10	
Mn		290	
Fe		1.10	
Co		6	
Ni		7	
Cu		7	
Zn		30	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		70	
Ce			
W			
Pb		11	
Th			
U			
Sr		6	
Cd		0	
Rb		20	

Method of Analysis HCL

Analyst J.L.K. - O.M.F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G MID 10

Latitude 4166 990
Longitude 264 310
Quadrangle MIDLOTHIAN
Stream
Order 4

Project GOOCHLAND
Elevation 143
County GOOCHLAND
Date 5-19-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		9.1	
Ti			
Cr		10	
Mn		536	
Fe		1.94	
Co		10	
Ni		8	
Cu		7	
Zn		29	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		60	
Ce			
W			
Pb		14	
Th			
U			
Sr		4	
Cd		0	
Rb		20	

Method of Analysis HCL

Analyst J.L.K. - O.M.F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G MID 11

Latitude 4164900
Longitude 264 090
Quadrangle MIDLOTHIAN
Stream
Order 2

Project GOOCHLAND
Elevation 168
County GOOCHLAND
Date 5-19-77
Collector RSG-

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		5.5	
Ti			
Cr		5	
Mn		336	
Fe		.75	
Co		5	
Ni		3	
Cu		1	
Zn		17	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		80	
Ce			
W			
Pb		8	
Th			
U			
Sr		5	
Cd		0	
Rb		7	

Method of Analysis HCL

Analyst J.L.K. - O.M.F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G MID 12

Latitude 4 16 4 790
Longitude 2 64 170
Quadrangle MIDLOTHIAN
Stream
Order 1

Project GOOCHLAND
Elevation 168
County GOOCHLAND
Date 5-19-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		4.0	
Ti			
Cr		8	
Mn		326	
Fe		1.12	
Co		6	
Ni		4	
Cu		5	
Zn		20	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		40	
Ce			
W			
Pb		14	
Th			
U			
Sr		4	
Cd		0	
Rb		9	

Method of Analysis HCL

Analyst J.L.K - O.M.F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G MID 13

Latitude 4164690
Longitude 265440
Quadrangle MIDLOTHIAN
Stream
Order 2

Project GOOCHLAND
Elevation 149
County GOOCHLAND
Date 5-18-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		3.7	
Ti			
Cr		5	
Mn		161	
Fe		.77	
Co		3	
Ni		2	
Cu		3	
Zn		18	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		10	
Th			
U			
Sr		4	
Cd		0	
Rb		6	

Method of Analysis HCL

Analyst J.L.K. -0.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G MD 14

Latitude 4164330
Longitude 266590
Quadrangle MIDLOTHIAN
Stream
Order 1

Project GOOCHLAND
Elevation 148
County GOOCHLAND
Date 5-18-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		7.0	
Ti			
Cr		6	
Mn		304	
Fe		.90	
Co		5	
Ni		3	
Cu		4	
Zn		27	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		40	
Ce			
W			
Pb		12	
Th			
U			
Sr		4	
Cd		0	
Rb		13	

Method of Analysis HCL

Analyst J.L.K - O.M.F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G MID 15

Latitude 4 161 800
Longitude 264 260
Quadrangle MIDLOTHIAN
Stream
Order 1

Project GOOCHLAND
Elevation 140
County GOOCHLAND
Date 5-23-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		3.2	
Ti			
Cr		8	
Mn		462	
Fe		1.12	
Co		5	
Ni		5	
Cu		3	
Zn		25	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		26	
Th			
U			
Sr		3	
Cd		0	
Rb		6	

Method of Analysis HCL

Analyst J.L.K. — O.M.F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G MID 16

Latitude 4 162 050
Longitude 266 200
Quadrangle MIDLOTHIAN
Stream
Order 1

Project GOOCHLAND
Elevation 170
County GOOCHLAND
Date 5-23-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		1.3	
Ti			
Cr		7	
Mn		255	
Fe		.77	
Co		3	
Ni		1	
Cu		2	
Zn		21	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		10	
Ce			
W			
Pb		19	
Th			
U			
Sr		1	
Cd		0	
Rb		4	
—			
—			

Method of Analysis HCL

Analyst J.L.K. — O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G MID 17

Latitude 4163980
Longitude 267760
Quadrangle MIDLOTHIAN
Stream
Order 1

Project GOOCHLAND
Elevation 129
County GOOCHLAND
Date 5/8/77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		2.5	
Ti			
Cr		3	
Mn		36	
Fe		.40	
Co		2	
Ni		1	
Cu		2	
Zn		1	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		20	
Ce			
W			
Pb		5	
Th			
U			
Sr		1	
Cd		0	
Rb		7	

Method of Analysis HCL

Analyst J.L.K. - O.M.F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G MID 18

Latitude 4 16 2 16 0
Longitude 26 7 5 4 0
Quadrangle MIDLOTHIAN
Stream
Order 1

Project GOOCHLAND
Elevation 130
County GOOCHLAND
Date 5-27-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		4.0	
Ti			
Cr		8	
Mn		305	
Fe		1.03	
Co		2	
Ni		3	
Cu		2	
Zn		19	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		16	
Th			
U			
Sr		2	
Cd		0	
Rb		8	

Method of Analysis HCL

Analyst J.L.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 1

Latitude 4179840
Longitude 247450
Quadrangle PERKINSVILLE
Stream
Order 2

Project GOOCHLAND
Elevation 258
County GOOCHLAND
Date 8-2-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		1.7	
Ti			
Cr		16	
Mn		205	
Fe		.82	
Co		4	
Ni		6	
Cu		1	
Zn		16	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		9	
Th			
U			
Sr		3	
Cd		0	
Rb		10	

Method of Analysis HCL

Analyst J.L.K -O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 2

Latitude 4179760
Longitude 247530
Quadrangle PERKINSVILLE
Stream
Order 2

Project GOOCHLAND
Elevation 255
County GOOCHLAND
Date 8-2-77
Collector RSC

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		1.6	
Ti			
Cr		12	
Mn		280	
Fe		.79	
Co		3	
Ni		2	
Cu		2	
Zn		14	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		8	
Th			
U			
Sr		2	
Cd		0	
Rb		9	

Method of Analysis HCL

Analyst J.L.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 3

Latitude 4178 05C
Longitude 247 770
Quadrangle PERRINSVILLE
Stream
Order 2

Project GOOCHLAND
Elevation 2 55
County GOOCHLAND
Date 5-5-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		2.7	
Ti			
Cr		21	
Mn		279	
Fe		190	
Co		8	
Ni		10	
Cu		10	
Zn		33	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		70	
Ce			
W			
Pb		19	
Th			
U			
Sr		2	
Cd		0	
Rb		24	

Method of Analysis HCL

Analyst J.L.K. — O.M.F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 4

Latitude 4177420
Longitude 246 570
Quadrangle PERKINSVILLE
Stream
Order 2

Project GOOCHLAND
Elevation 223
County GOOCHLAND
Date 8-5-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		3.4	
Ti			
Cr		29	
Mn		309	
Fe		1.65	
Co		9	
Ni		4	
Cu		9	
Zn		32	
As			
Y			
Zr			
Nb			
Mo			
Ag		C	
Sn			
Ba		80	
Ce			
W			
Pb		13	
Th			
U			
Sr		2	
Cd		0	
Rb		30	

Method of Analysis HCL

Analyst J.L.K - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 5

Latitude 4175550
Longitude 246580
Quadrangle PERKINSVILLE
Stream
Order 2

Project GOOCHLAND
Elevation 217
County GOOCHLAND
Date 10 – 77
Collector WMYVM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		2.4	
Ti			
Cr		16	
Mn		158	
Fe		1.32	
Co		6	
Ni		7	
Cu		5	
Zn		21	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		50	
Ce			
W			
Pb		8	
Th			
U			
Sr		2	
Cd		0	
Rb		19	

Method of Analysis HCL

Analyst J.L.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 6

Latitude 4179 560
Longitude 249 360
Quadrangle PERKINSVILLE
Stream
Order 3

Project GOOCHLAND
Elevation 255
County GOOCHLAND
Date 8-5-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		1.7	
Ti			
Cr		9	
Mn		86	
Fe		.77	
Co		4	
Ni		6	
Cu		4	
Zn		18	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		11	
Th			
U			
Sr		1	
Cd		0	
Rb		14	

Method of Analysis HCL

Analyst J.L.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 7

Latitude 4178860
Longitude 249740
Quadrangle PERKINSVILLE
Stream
Order 3

Project GOOCHLAND
Elevation 230
County GOOCHLAND
Date 8-2-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		1.5	
Ti			
Cr		10	
Mn		188	
Fe		.85	
Co		5	
Ni		6	
Cu		4	
Zn		18	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		10	
Th			
U			
Sr		1	
Cd		0	
Rb		10	

Method of Analysis HCL

Analyst J.A.K. - O.M.F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 8

Latitude 4 177970
Longitude 250100
Quadrangle PERKINSVILLE
Stream
Order 3

Project GOOCHLAND
Elevation 213
County GOOCHLAND
Date 8-2-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		2.0	
Ti			
Cr		16	
Mn		225	
Fe		1.32	
Co		7	
Ni		6	
Cu		6	
Zn		24	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		40	
Ce			
W			
Pb		10	
Th			
U			
Sr		1	
Cd		0	
Rb		15	

Method of Analysis HCL

Analyst J.L.K — O M F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 9

Latitude 4 177 300
Longitude 250 670
Quadrangle PERKINSVILLE
Stream
Order 3

Project GOOCHLAND
Elevation 197
County GOOCHLAND
Date 8-5-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		4.7	
Ti			
Cr		29	
Mn		836	
Fe		2.88	
Co		13	
Ni		15	
Cu		13	
Zn		45	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		100	
Ce			
W			
Pb		12	
Th			
U			
Sr		3	
Cd		0	
Rb		31	

Method of Analysis AA

Analyst J.L.K-D.F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 10

Latitude 4176320
Longitude 250920
Quadrangle PERRINSVILLE
Stream
Order 1

Project GOOCHLAND
Elevation 138
County GOOCHLAND
Date 8-4-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		1.0	
Ti			
Cr		13	
Mn		201	
Fe		1.29	
Co		3	
Ni		.3	
Cu		3	
Zn		13	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		20	
Ce			
W			
Pb		6	
Th			
U			
Sr		1	
Cd		0	
Rb		6	

Method of Analysis NAA

Analyst J.L.K - C.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 11

Latitude 4 176 340
Longitude 2 50 990
Quadrangle PERKINSVILLE
Stream
Order 4

Project GOOCHLAND
Elevation 184
County GOOCHLAND
Date 8-4-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		4.2	
Ti			
Cr		20	
Mn		965	
Fe		2.12	
Co		15	
Ni		9	
Cu		11	
Zn		29	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		90	
Ce			
W			
Pb		9	
Th			
U			
Sr		3	
Cd		0	
Rb		21	

Method of Analysis HCL

Analyst J.L.K - O.A.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 12

Latitude 417760
Longitude 251620
Quadrangle PERKINSVILLE
Stream
Order 3

Project GOOCHLAND
Elevation 190
County GOOCHLAND
Date 8-3-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		6.5	
Ti			
Cr		37	
Mn		2910	
Fe		3.49	
Co		24	
Ni		19	
Cu		16	
Zn		40	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		130	
Ce			
W			
Pb		15	
Th			
U			
Sr		5	
Cd		0	
Rb		31	

Method of Analysis HCL

Analyst JLK — OAS

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 13

Latitude 417730
Longitude 251640
Quadrangle PERKINSVILLE
Stream
Order 3

Project GOOCHLAND
Elevation 223
County GOOCHLAND
Date 8-3-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		2.0	
Ti			
Cr		40	
Mn		586	
Fe		9.21	
Co		18	
Ni		14	
Cu		12	
Zn		32	
As			
Y			
Zr			
Nb			
Mo			
Ag		C	
Sn			
Ba		60	
Ce			
W			
Pb		7	
Th			
U			
Sr		6	
Cd		0	
Rb		9	

Method of Analysis HCL

Analyst JLK - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 14

Latitude 4178 560
Longitude 25136 0
Quadrangle PERKINSVILLE
Stream
Order 3

Project GOOCHLAND
Elevation 209
County GOOCHLAND
Date 8-4-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		1.9	
Ti			
Cr		14	
Mn		94	
Fe		1.28	
Co		4	
Ni		6	
Cu		6	
Zn		20	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		40	
Ce			
W			
Pb		6	
Th			
U			
Sr		1	
Cd		0	
Rb		15	

Method of Analysis HCL

Analyst J.L.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 15

Latitude 4179550
Longitude 251660
Quadrangle PERKINSVILLE
Stream
Order 3

Project GOOCHLAND
Elevation 228
County GOOCHLAND
Date 5-3-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		3.0	
Ti			
Cr		19	
Mn		248	
Fe		1.60	
Co		6	
Ni		7	
Cu		6	
Zn		33	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		60	
Ce			
W			
Pb		15	
Th			
U			
Sr		2	
Cd		0	
Rb		20	

Method of Analysis HCL

Analyst J.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 16

Latitude 4180 080
Longitude 250 320
Quadrangle PERKINSVILLE
Stream
Order 2

Project GOOCHLAND
Elevation 236
County GOOCHLAND
Date 5-4-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		3.6	
Ti			
Cr		19	
Mn		160	
Fe		2.12	
Co		8	
Ni		14	
Cu		10	
Zn		59	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		70	
Ce			
W			
Pb		14	
Th			
U			
Sr		2	
Cd		0	
Rb		35	

Method of Analysis HCL

Analyst J.L.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 17

Latitude 4178360
Longitude 252300
Quadrangle PERKINSVILLE
Stream
Order 2

Project GOOCHLAND
Elevation 198
County GOOCHLAND
Date 8-3-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		2.4	
Ti			
Cr		24	
Mn		225	
Fe		2.90	
Co		8	
Ni		7	
Cu		7	
Zn		23	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		60	
Ce			
W			
Pb		8	
Th			
U			
Sr		3	
Cd		0	
Rb		14	

Method of Analysis HCL

Analyst J.L.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 18

Latitude 4 178 290
Longitude 252 360
Quadrangle PERKINSVILLE
Stream
Order 2

Project GOOCHLAND
Elevation 199
County GOOCHLAND
Date 5-3-77
Collector RSC

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		2.1	
Ti			
Cr		37	
Mn		396	
Fe		9.48	
Co		21	
Ni		13	
Cu		14	
Zn		33	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		90	
Ce			
W			
Pb		8	
Th			
U			
Sr		7	
Cd		0	
Rb		12	

Method of Analysis HCL

Analyst J.K. - O.A.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 19

Latitude 4179480
Longitude 252730
Quadrangle PERKINSVILLE
Stream
Order 2

Project GOOCHLAND
Elevation 223
County GOOCHLAND
Date 10 — 77
Collector WM + VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		1.7	
Ti			
Cr		24	
Mn		268	
Fe		2.13	
Co		7	
Ni		6	
Cu		16	
Zn		18	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		40	
Ce			
W			
Pb		8	
Th			
U			
Sr		4	
Cd		5	
Rb		9	

Method of Analysis HCL

Analyst J.L.K — O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 20

Latitude 4179860
Longitude 252740
Quadrangle PERKINSVILLE
Stream
Order 2

Project GOOCHLAND
Elevation 240
County GOOCHLAND
Date 10 — 77
Collector WMRVM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		2.1	
Ti			
Cr		23	
Mn		202	
Fe		1.50	
Co		6	
Ni		5	
Cu		6	
Zn		16	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		50	
Ce			
W			
Pb		5	
Th			
U			
Sr		3	
Cd		0	
Rb		13	

Method of Analysis HCL

Analyst J.L.K. — O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 21

Latitude 4 176 860
Longitude 254 260
Quadrangle PERKINSVILLE
Stream
Order 2

Project GOOCHLAND
Elevation 237
County GOOCHLAND
Date 8-4-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		2.2	
Ti			
Cr		20	
Mn		481	
Fe		2.24	
Co		7	
Ni		6	
Cu		4	
Zn		26	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		50	
Ce			
W			
Pb		9	
Th			
U			
Sr		3	
Cd		0	
Rb		16	

Method of Analysis HCL

Analyst J.L.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 22

Latitude 4176780
Longitude 254300
Quadrangle PERKINSVILLE
Stream
Order 3

Project GOOCHLAND
Elevation 239
County GOOCHLAND
Date 9-4-77
Collector RSG

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		2.7	
Ti			
Cr		10	
Mn		361	
Fe		1.48	
Co		5	
Ni		2	
Cu		1	
Zn		38	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		40	
Ce			
W			
Pb		13	
Th			
U			
Sr		3	
Cd		0	
Rb		18	

Method of Analysis HCL

Analyst J.L.K. - O.M.T.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 23

Latitude 4176710
Longitude 255050
Quadrangle PERKINSVILLE
Stream
Order 3

Project GOOCHLAND
Elevation 269
County GOOCHLAND
Date 10 — 77
Collector WM + VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		4.6	
Ti			
Cr		9	
Mn		368	
Fe		2.10	
Co		6	
Ni		5	
Cu		3	
Zn		57	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		80	
Ce			
W			
Pb		10	
Th			
U			
Sr		5	
Cd		0	
Rb		33	

Method of Analysis HCL

Analyst J.L.K. — O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 24

Latitude 4 174 420
Longitude 254 540
Quadrangle PERKINSVILLE
Stream
Order 3

Project GOOCHLAND
Elevation 240
County GOOCHLAND
Date 10-77
Collector WM + VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		3.0	
Ti			
Cr		7	
Mn		204	
Fe		1.10	
Co		3	
Ni		3	
Cu		4	
Zn		28	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		40	
Ce			
W			
Pb		4	
Th			
U			
Sr		3	
Cd		0	
Rb		12	

Method of Analysis HCL

Analyst J.L.K. — O.A.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 25

Latitude 4175 920
Longitude 253 300
Quadrangle PERKINSVILLE
Stream
Order 4

Project GOOCHLAND
Elevation 200
County GOOCHLAND
Date 10 — 77
Collector W M + V M

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		2.7	
Ti			
Cr		20	
Mn		357	
Fe		2.28	
Co		7	
Ni		7	
Cu		3	
Zn		27	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		50	
Ce			
W			
Pb		10	
Th			
U			
Sr		6	
Cd		0	
Rb		15	

Method of Analysis HCL

Analyst J.L.K. — O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 26

Latitude 4175370
Longitude 252.600
Quadrangle PERKINSVILLE
Stream
Order 1

Project GOOCHLAND
Elevation 198
County GOOCHLAND
Date 10-77
Collector WM + VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		3.2	
Ti			
Cr		23	
Mn		213	
Fe		1.93	
Co		8	
Ni		10	
Cu		4	
Zn		29	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		60	
Ce			
W			
Pb		9	
Th			
U			
Sr		7	
Cd		0	
Rb		18	

Method of Analysis HCL

Analyst J.L.K. — O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 27

Latitude 4 175 530
Longitude 251 570
Quadrangle PERKINSVILLE
Stream
Order 4

Project GOOCHLAND
Elevation 183
County GOOCHLAND
Date 10 - 77
Collector WM + VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		1.2	
Ti			
Cr		20	
Mn		433	
Fe		5.35	
Co		10	
Ni		4	
Cu		4	
Zn		18	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		7	
Th			
U			
Sr		4	
Cd		0	
Rb		6	

Method of Analysis HCL

Analyst J.L.K. - O. M.F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 28

Latitude 4176620
Longitude 248900
Quadrangle PERKINSVILLE
Stream
Order 3

Project GOOCHLAND
Elevation 223
County GOOCHLAND
Date 10-77
Collector WM + VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		2.7	
Ti			
Cr		14	
Mn		492	
Fe		1.29	
Co		10	
Ni		10	
Cu		7	
Zn		29	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		70	
Ce			
W			
Pb		8	
Th			
U			
Sr		1	
Cd		0	
Rb		23	

Method of Analysis HCL

Analyst J.L.K - O.H.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 29

Latitude 4 175 021
Longitude 249 890
Quadrangle PERKINSVILLE
Stream
Order 3

Project GOOCHLAND
Elevation 174
County GOOCHLAND
Date 10-77
Collector WM+VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		3.1	
Ti			
Cr		27	
Mn		591	
Fe		1.75	
Co		13	
Ni		12	
Cu		14	
Zn		35	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		60	
Ce			
W			
Pb		13	
Th			
U			
Sr		2	
Cd		0	
Rb		15	

Method of Analysis HCL

Analyst J.L.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 30

Latitude 41 74 4 60
Longitude 248 6 10
Quadrangle PERKINSVILLE
Stream
Order 2

Project GOOCHLAND
Elevation 200
County GOOCHLAND
Date 10-77
Collector W. M. V. M.

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		1.7	
Ti			
Cr		7	
Mn		51	
Fe		.41	
Co		2	
Ni		3	
Cu		2	
Zn		14	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		50	
Ce			
W			
Pb		5	
Th			
U			
Sr		2	
Cd		0	
Rb		12	

Method of Analysis HCL

Analyst J. L. K. — O. M. F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 31

Latitude 4 173 850
Longitude 249 000
Quadrangle PERKINSVILLE
Stream
Order 2

Project GOOCHLAND
Elevation 170
County GOOCHLAND
Date 10—77
Collector WM + VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		1.0	
Ti			
Cr		12	
Mn		94	
Fe		.83	
Co		3	
Ni		4	
Cu		2	
Zn		9	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		20	
Ce			
W			
Pb		2	
Th			
U			
Sr		1	
Cd		0	
Rb		6	

Method of Analysis HCL

Analyst J.L.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 32

Latitude 4173 720
Longitude 249 910
Quadrangle PERKINSVILLE
Stream
Order 4

Project GOOCHLAND
Elevation 159
County GOOCHLAND
Date 10-77
Collector WMVM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		3.0	
Ti			
Cr		23	
Mn		978	
Fe		4.30	
Co		14	
Ni		10	
Cu		8	
Zn		28	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		70	
Ce			
W			
Pb		7	
Th			
U			
Sr		5	
Cd		0	
Rb		14	

Method of Analysis HCL

Analyst J.L.K. - D.J.C

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 33

Latitude 4173100
Longitude 249620
Quadrangle PERRINSVILLE
Stream
Order 4

Project GOOCHLAND
Elevation 157
County GOOCHLAND
Date 10 - 77
Collector WM & VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		2.7	
Ti			
Cr		20	
Mn		660	
Fe		2.24	
Co		10	
Ni		6	
Cu		7	
Zn		21	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		60	
Ce			
W			
Pb		8	
Th			
U			
Sr		6	
Cd		0	
Rb		12	

Method of Analysis NcL

Analyst J.L.K. - C. M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 34

Latitude 4 17 30 60
Longitude 250 6 20
Quadrangle PERKINSVILLE
Stream
Order 2

Project GOOCHLAND
Elevation 168
County GOOCHLAND
Date 10 - 77
Collector WM + VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		2.1	
Ti			
Cr		17	
Mn		278	
Fe		1.27	
Co		6	
Ni		6	
Cu		5	
Zn		13	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		40	
Ce			
W			
Pb		6	
Th			
U			
Sr		7	
Cd		0	
Rb		9	

Method of Analysis HCL

Analyst J.L.K. - D.M.F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 35

Latitude 4173320
Longitude 251800
Quadrangle PERKINSVILLE
Stream
Order 2

Project GOOCHLAND
Elevation 200
County GOOCHLAND
Date 10-77
Collector WM + VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		4.0	
Ti			
Cr		16	
Mn		328	
Fe		1.38	
Co		8	
Ni		8	
Cu		7	
Zn		29	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		60	
Ce			
W			
Pb		11	
Th			
U			
Sr		4	
Cd		0	
Rb		21	

Method of Analysis HCl

Analyst J.L.K. - D.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 36

Latitude 4171800
Longitude 252660
Quadrangle PERKINSVILLE
Stream
Order 2

Project GOOCHLAND
Elevation 214
County GOOCHLAND
Date 10-77
Collector W.M. & VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		2.0	
Ti			
Cr		9	
Mn		133	
Fe		.75	
Co		3	
Ni		2	
Cu		2	
Zn		20	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		8	
Th			
U			
Sr		2	
Cd		0	
Rb		16	

Method of Analysis HCL

Analyst J.L.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 37

Latitude 4171670
Longitude 251520
Quadrangle PERKINSVILLE
Stream
Order 2

Project GOOCHLAND
Elevation 175
County GOOCHLAND
Date 10-77
Collector WM + VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		1.4	
Ti			
Cr		20	
Mn		364	
Fe		2.97	
Co		8	
Ni		6	
Cu		5	
Zn		19	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		20	
Ce			
W			
Pb		9	
Th			
U			
Sr		3	
Cd		0	
Rb		5	

Method of Analysis HCL

Analyst J.L.K. - C.H.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 38

Latitude 4 171 590
Longitude 2 51 680
Quadrangle PERKINSVILLE
Stream
Order 2

Project GOOCHLAND
Elevation 169
County GOOCHLAND
Date 10-77
Collector WM + VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		1.5	
Ti			
Cr		7	
Mn		147	
Fe		.79	
Co		3	
Ni		3	
Cu		2	
Zn		17	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		20	
Ce			
W			
Pb		6	
Th			
U			
Sr		1	
Cd		0	
Rb		10	

Method of Analysis NCL

Analyst J.L.K. - [illegible]

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 39

Latitude 4 170 730
Longitude 251 080
Quadrangle PERKINSVILLE
Stream
Order 3

Project GOOCHLAND
Elevation 151
County GOOCHLAND
Date 10-77
Collector WM+VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		1.8	
Ti			
Cr		16	
Mn		221	
Fe		1.81	
Co		4	
Ni		4	
Cu		4	
Zn		18	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		6	
Th			
U			
Sr		2	
Cd		0	
Rb		11	

Method of Analysis HCL

Analyst J.L.K. - [illegible]

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 40

Latitude 4 170 630
Longitude 251 110
Quadrangle PERKINSVILLE
Stream
Order 3

Project GOOCHLAND
Elevation 158
County GOOCHLAND
Date 10-77
Collector WM + UM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		1.6	
Ti			
Cr		6	
Mn		162	
Fe		.67	
Co		3	
Ni		3	
Cu		2	
Zn		14	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		7	
Th			
U			
Sr		1	
Cd		0	
Rb		12	

Method of Analysis HCL

Analyst J.L.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 41

Latitude 4171920
Longitude 248750
Quadrangle PARKINSVILLE
Stream
Order 4

Project GOOCHLAND
Elevation 157
County GOOCHLAND
Date 10-77
Collector WMVM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		1.7	
Ti			
Cr		26	
Mn		260	
Fe		1.20	
Co		6	
Ni		9	
Cu		8	
Zn		14	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		40	
Ce			
W			
Pb		12	
Th			
U			
Sr		2	
Cd		0	
Rb		11	

Method of Analysis HCL

Analyst J.L.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 42

Latitude 4173160
Longitude 247490
Quadrangle PERKINSVILLE
Stream
Order 1

Project GOOCHLAND
Elevation 186
County GOOCHLAND
Date 10-77
Collector C. MAXUM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		1.2	
Ti			
Cr		9	
Mn		60	
Fe		.45	
Co		3	
Ni		3	
Cu		1	
Zn		8	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		5	
Th			
U			
Sr		3	
Cd		0	
Rb		8	

Method of Analysis HCl

Analyst J.L.K. - C.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 43

Latitude 4170 830
Longitude 247 500
Quadrangle PERKINSVILLE
Stream
Order 2

Project GOOCHLAND
Elevation 150
County GOOCHLAND
Date 10-77
Collector W M + V M

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		2.6	
Ti			
Cr		25	
Mn		166	
Fe		1.92	
Co		6	
Ni		7	
Cu		10	
Zn		30	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		50	
Ce			
W			
Pb		9	
Th			
U			
Sr		2	
Cd		0	
Rb		27	

Method of Analysis HCL

Analyst J.L.K. C.H.P.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 44

Latitude 4170260
Longitude 248670
Quadrangle PERKINSVILLE
Stream
Order 1

Project GOOCHLAND
Elevation 150
County GOOCHLAND
Date 10-77
Collector WM+VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		2.2	
Ti			
Cr		16	
Mn		703	
Fe		1.26	
Co		10	
Ni		8	
Cu		8	
Zn		17	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		60	
Ce			
W			
Pb		13	
Th			
U			
Sr		2	
Cd		0	
Rb		14	

Method of Analysis HCL

Analyst J.L.K. - G. J.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 45

Latitude 4170 970
Longitude 250 490
Quadrangle PERKINSVILLE
Stream
Order 5

Project GOOCHLAND
Elevation 143
County GOOCHLAND
Date 10-77
Collector WM + VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		12.1	
Ti			
Cr		36	
Mn		323	
Fe		2.72	
Co		16	
Ni		31	
Cu		19	
Zn		42	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		240	
Ce			
W			
Pb		8	
Th			
U			
Sr		12	
Cd		0	
Rb		32	

Method of Analysis HCL

Analyst J.L.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 46

Latitude 4 169 760
Longitude 250 570
Quadrangle PERKINSVILLE
Stream
Order 5

Project GOOCHLAND
Elevation 134
County GOOCHLAND
Date 10-77
Collector W.N.+V.M.

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		3.3	
Ti			
Cr		17	
Mn		143	
Fe		1.60	
Co		6	
Ni		7	
Cu		6	
Zn		29	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		50	
Ce			
W			
Pb		17	
Th			
U			
Sr		5	
Cd		0	
Rb		15	

Method of Analysis HCl

Analyst J.L.K. O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 47

Latitude 4 16 8 580
Longitude 2 51 150
Quadrangle PERKINSVILLE
Stream
Order 1

Project GOOCHLAND
Elevation 150
County GOOCHLAND
Date 10-77
Collector W M + V M

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		3.8	
Ti			
Cr		17	
Mn		141	
Fe		1.72	
Co		6	
Ni		9	
Cu		6	
Zn		39	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		70	
Ce			
W			
Pb		14	
Th			
U			
Sr		8	
Cd		0	
Rb		18	

Method of Analysis HCL

Analyst J.L.K. - C.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 48

Latitude 4167960
Longitude 252570
Quadrangle PERKINSVILLE
Stream
Order 2

Project GOOCHLAND
Elevation 205
County GOOCHLAND
Date 10-77
Collector WM + VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		2.3	
Ti			
Cr		14	
Mn		91	
Fe		1.17	
Co		4	
Ni		4	
Cu		5	
Zn		19	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		5	
Th			
U			
Sr		3	
Cd		0	
Rb		12	

Method of Analysis HCL

Analyst J.L.K. — O.N.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 49

Latitude 4169660
Longitude 253560
Quadrangle PERKINSVILLE
Stream
Order 2

Project GOOCHLAND
Elevation 195
County GOOCHLAND
Date 10-77
Collector WM + VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		2.1	
Ti			
Cr		9	
Mn		147	
Fe		1.01	
Co		4	
Ni		3	
Cu		3	
Zn		21	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		50	
Ce			
W			
Pb		9	
Th			
U			
Sr		5	
Cd		0	
Rb		13	

Method of Analysis HCL

Analyst J.L.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 50

Latitude 4168 880
Longitude 254 760
Quadrangle PERKINSVILLE
Stream
Order 2

Project GOOCHLAND
Elevation 148
County GOOCHLAND
Date 10-77
Collector WM + VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		38	
Ti			
Cr		11	
Mn		192	
Fe		1.53	
Co		5	
Ni		6	
Cu		4	
Zn		43	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		50	
Ce			
W			
Pb		8	
Th			
U			
Sr		6	
Cd		0	
Rb		29	

Method of Analysis HCL

Analyst J.L.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 51

Latitude 4 168 930
Longitude 254 560
Quadrangle PERKINSVILLE
Stream
Order 4

Project GOOCHLAND
Elevation 149
County GOOCHLAND
Date 10-77
Collector WM+VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		40	
Ti			
Cr		11	
Mn		241	
Fe		1.13	
Co		6	
Ni		4	
Cu		3	
Zn		33	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		50	
Ce			
W			
Pb		6	
Th			
U			
Sr		3	
Cd		0	
Rb		24	

Method of Analysis HCL

Analyst J.L.K. - C.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 52

Latitude 4169680
Longitude 255370
Quadrangle PERKINSVILLE
Stream
Order 2

Project GOOCHLAND
Elevation 170
County GOOCHLAND
Date 10-77
Collector WM + VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		4.2	
Ti			
Cr		11	
Mn		180	
Fe		1.12	
Co		5	
Ni		5	
Cu		4	
Zn		31	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		40	
Ce			
W			
Pb		9	
Th			
U			
Sr		3	
Cd		0	
Rb		24	

Method of Analysis HCL

Analyst J.L.K. - O.M.C.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 53

Latitude 4169730
Longitude 255 312
Quadrangle PERKINSVILLE
Stream
Order 2

Project GOOCHLAND
Elevation 158
County GOOCHLAND
Date 10-77
Collector W M + V M

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		2.3	
Ti			
Cr		8	
Mn		382	
Fe		1.10	
Co		3	
Ni		4	
Cu		2	
Zn		23	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		10	
Th			
U			
Sr		2	
Cd		0	
Rb		12	

Method of Analysis HCL

Analyst J.L.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 54

Latitude 4 170 520
Longitude 254 670
Quadrangle PERKINSVILLE
Stream
Order 4

Project GOOCHLAND
Elevation 164
County GOOCHLAND
Date 10-77
Collector WMxVM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		4.3	
Ti			
Cr		9	
Mn		230	
Fe		1.27	
Co		4	
Ni		5	
Cu		3	
Zn		36	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		50	
Ce			
W			
Pb		7	
Th			
U			
Sr		4	
Cd		0	
Rb		24	

Method of Analysis HCL

Analyst J.L.K - O.M.F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 55

Latitude 4 171 550
Longitude 254 570
Quadrangle PERKINSVILLE
Stream
Order 4

Project GOOCHLAND
Elevation 179
County GOOCHLAND
Date 10-77
Collector WMXVM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		1.2	
Ti			
Cr		5	
Mn		202	
Fe		.79	
Co		3	
Ni		1	
Cu		1	
Zn		16	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		20	
Ce			
W			
Pb		7	
Th			
U			
Sr		2	
Cd		0	
Rb		7	

Method of Analysis HCL

Analyst J.L.K. - COMP

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 56

Latitude 4172 210
Longitude 254 810
Quadrangle PERKINSVILLE
Stream
Order 3

Project GOOCHLAND
Elevation 197
County GOOCHLAND
Date 10-77
Collector WM + VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		7.5	
Ti			
Cr		11	
Mn		294	
Fe		1.43	
Co		6	
Ni		5	
Cu		4	
Zn		38	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		60	
Ce			
W			
Pb		14	
Th			
U			
Sr		4	
Cd		0	
Rb		33	

Method of Analysis HCL

Analyst J.L.K. — O.A.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 57

Latitude 4 173 000
Longitude 254 670
Quadrangle PERKINSVILLE
Stream
Order 3

Project GOOCHLAND
Elevation 205
County GOOCHLAND
Date 10-77
Collector WM + VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		3.6	
Ti			
Cr		9	
Mn		246	
Fe		1.34	
Co		4	
Ni		3	
Cu		3	
Zn		36	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		40	
Ce			
W			
Pb		10	
Th			
U			
Sr		3	
Cd		0	
Rb		23	

Method of Analysis HCL

Analyst J.L.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 58

Latitude 4 173 990
Longitude 255 960
Quadrangle PERKINSVILLE
Stream
Order 1

Project GOOCHLAND
Elevation 289
County GOOCHLAND
Date 10-77
Collector WM+VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		5.0	
Ti			
Cr		8	
Mn		82	
Fe		.92	
Co		3	
Ni		3	
Cu		2	
Zn		26	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		11	
Th			
U			
Sr		3	
Cd		0	
Rb		23	
—			
—			

Method of Analysis HCL

Analyst J.L.K. — O.M.E.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 59

Latitude 4 174 230
Longitude 257 080
Quadrangle PERRINSVILLE
Stream
Order 1

Project GOOCHLAND
Elevation 315
County GOOCHLAND
Date 10-77
Collector W M + V M

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		2.1	
Ti			
Cr		8	
Mn		67	
Fe		1,28	
Co		2	
Ni		1	
Cu		3	
Zn		25	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		10	
Th			
U			
Sr		3	
Cd		0	
Rb		14	

Method of Analysis HCL

Analyst J.L.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 60

Latitude 4 171 930
Longitude 256 320
Quadrangle PERKINSVILLE
Stream
Order 1

Project GOOCHLAND
Elevation 244
County GOOCHLAND
Date 10-77
Collector WM + VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		1.8	
Ti			
Cr		6	
Mn		38	
Fe		.45	
Co		2	
Ni		2	
Cu		1	
Zn		12	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		20	
Ce			
W			
Pb		7	
Th			
U			
Sr		1	
Cd		0	
Rb		9	

Method of Analysis HCL

Analyst J.L.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 61

Latitude 4170 760
Longitude 256 020
Quadrangle PERKINSVILLE
Stream
Order 2

Project GOOCHLAND
Elevation 196
County GOOCHLAND
Date 10-77
Collector W M + V M

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		3.1	
Ti			
Cr		9	
Mn		92	
Fe		.78	
Co		3	
Ni		5	
Cu		3	
Zn		20	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		7	
Th			
U			
Sr		2	
Cd		0	
Rb		15	

Method of Analysis HCL

Analyst J.L.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. PER 62

Latitude 4167 770
Longitude 256 060
Quadrangle PERKINSVILLE
Stream
Order 2

Project GOOCHLAND
Elevation 163
County GOOCHLAND
Date 10-77
Collector WM + VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		2.6	
Ti			
Cr		14	
Mn		670	
Fe		2.38	
Co		8	
Ni		7	
Cu		4	
Zn		48	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		50	
Ce			
W			
Pb		9	
Th			
U			
Sr		3	
Cd		0	
Rb		30	

Method of Analysis HCL

Analyst J.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G SA 1

Latitude 4193580
Longitude 237330
Quadrangle SOUTH ANNA
Stream
Order 2

Project GOOCHLAND
Elevation 309
County GOOCHLAND
Date 6 - 77
Collector WM + VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		2.2	
Ti			
Cr		4	
Mn		61	
Fe		.49	
Co		2	
Ni		1	
Cu		1	
Zn		15	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		20	
Ce			
W			
Pb		6	
Th			
U			
Sr		1	
Cd		0	
Rb		5	

Method of Analysis HCL

Analyst J.L.K. — O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. GSA 2

Latitude 4 190 920
Longitude 237 920
Quadrangle SOUTH ANNA
Stream
Order 3

Project GOOCHLAND
Elevation 256
County GOOCHLAND
Date 4 — 77
Collector W-M + D M

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		0.8	
Ti			
Cr		4	
Mn		165	
Fe		.66	
Co		3	
Ni		1	
Cu		3	
Zn		8	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		20	
Ce			
W			
Pb		5	
Th			
U			
Sr		2	
Cd		0	
Rb		5	
—			
—			

Method of Analysis HCL

Analyst J.L.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G SH 3

Latitude 4 190 550
Longitude 237 420
Quadrangle SOUTH ANNA
Stream
Order 3

Project GOOCHLAND
Elevation 262
County GOOCHLAND
Date 9-13-77
Collector WMYUM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		1.5	
Ti			
Cr		5	
Mn		74	
Fe		.54	
Co		4	
Ni		5	
Cu		3	
Zn		12	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		4	
Th			
U			
Sr		6	
Cd		0	
Rb		7	

Method of Analysis HCL

Analyst J.L.K. — O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G SA 4

Latitude 4190 600
Longitude 239 400
Quadrangle SOUTH ANNA
Stream
Order 2

Project GOOCHLAND
Elevation 260
County GOOCHLAND
Date 5(23-25) 77
Collector WM + VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		3.0	
Ti			
Cr		14	
Mn		365	
Fe		1.98	
Co		6	
Ni		4	
Cu		4	
Zn		20	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		50	
Ce			
W			
Pb		7	
Th			
U			
Sr		2	
Cd		0	
Rb		13	

Method of Analysis HCL

Analyst J.L.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. GSH 5

Latitude 4189760
Longitude 238 880
Quadrangle SOUTH ANNA
Stream
Order 4

Project GOOCHLAND
Elevation 234
County GOOCHLAND
Date 4 — 77
Collector W M V M

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		2.4	
Ti			
Cr		11	
Mn		277	
Fe		1.37	
Co		11	
Ni		4	
Cu		7	
Zn		20	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		50	
Ce			
W			
Pb		8	
Th			
U			
Sr		2	
Cd		0	
Rb		11	

Method of Analysis HCL

Analyst J.L.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. GSA 6

Latitude 4190 010
Longitude 240 090
Quadrangle SOUTH ANNA
Stream
Order 2

Project GOOCHLAND
Elevation 245
County GOOCHLAND
Date 5 (23 25) 77
Collector WM + VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		2.4	
Ti			
Cr		9	
Mn		275	
Fe		1.29	
Co		7	
Ni		4	
Cu		7	
Zn		18	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		40	
Ce			
W			
Pb		5	
Th			
U			
Sr		3	
Cd		0	
Rb		7	

Method of Analysis HCL

Analyst J.L.K - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. GSA 7

Latitude 4189710
Longitude 241680
Quadrangle SOUTH ANNA
Stream
Order 2

Project GOOCHLAND
Elevation 304'
County GOOCHLAND
Date 5 (23.25) 77
Collector WM + VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		1.7	
Ti			
Cr		11	
Mn		70	
Fe		.53	
Co		2	
Ni		4	
Cu		2	
Zn		10	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		20	
Ce			
W			
Pb		2	
Th			
U			
Sr		1	
Cd		0	
Rb		10	

Method of Analysis HCL

Analyst J.L.K. - O. M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G SA 8

Latitude 4188 910
Longitude 240 970
Quadrangle SOUTH ANNA
Stream
Order 3

Project GOOCHLAND
Elevation 232
County GOOCHLAND
Date 5(23-25) 77
Collector WM + VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		5.4	
Ti			
Cr		24	
Mn		3295	
Fe		2.33	
Co		14	
Ni		13	
Cu		9	
Zn		33	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		110	
Ce			
W			
Pb		9	
Th			
U			
Sr		6	
Cd		0	
Rb		23	

Method of Analysis HCL

Analyst J.L.K. - [illegible]

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G SA 9

Latitude 4158540
Longitude 24 1280
Quadrangle SOUTH ANNA
Stream
Order 2

Project GOOCHLAND
Elevation 252
County GOOCHLAND
Date 5(23-25) 77
Collector W.M & V.M

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		6.4	
Ti			
Cr		32	
Mn		332	
Fe		2.73	
Co		9	
Ni		14	
Cu		7	
Zn		33	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		70	
Ce			
W			
Pb		10	
Th			
U			
Sr		3	
Cd		0	
Rb		31	

Method of Analysis HCL

Analyst J.L.K. - O.A.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G SA 10

Latitude 4187780
Longitude 240320
Quadrangle SOUTH ANNA
Stream
Order 3

Project GOOCHLAND
Elevation 219
County GOOCHLAND
Date 5-(23-25)-77
Collector WM & VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		3.5	
Ti			
Cr		17	
Mn		338	
Fe		1.21	
Co		7	
Ni		7	
Cu		7	
Zn		18	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		40	
Ce			
W			
Pb		7	
Th			
U			
Sr		3	
Cd		0	
Rb		17	

Method of Analysis HCL

Analyst J.L.K. — O.W.M.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G SA 11

Latitude 4 186 8.30
Longitude 240 040
Quadrangle SOUTH ANNA
Stream
Order 2

Project GOOCHLAND
Elevation 220
County GOOCHLAND
Date 5(23.25)77
Collector WM & VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		0.3	
Ti			
Cr		10	
Mn		46	
Fe		.38	
Co		2	
Ni		4	
Cu		1	
Zn		6	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		10	
Ce			
W			
Pb		2	
Th			
U			
Sr		1	
Cd		0	
Rb		5	

Method of Analysis HCL

Analyst J.L.K. — O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. GSA 12

Latitude 4188 010
Longitude 238 330
Quadrangle SOUTH ANNA
Stream
Order 3

Project GOOCHLAND
Elevation 240
County GOOCHLAND
Date 5(23-25)77
Collector WMYUM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		2.5	
Ti			
Cr		12	
Mn		952	
Fe		1.68	
Co		9	
Ni		6	
Cu		4	
Zn		15	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		50	
Ce			
W			
Pb		6	
Th			
U			
Sr		3	
Cd		0	
Rb		11	

Method of Analysis INAA

Analyst J.L.K. — O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. GSA 13

Latitude 4188980
Longitude 236000
Quadrangle SOUTH ANNA
Stream
Order 2

Project GOOCHLAND
Elevation 296
County GOOCHLAND
Date 8(23-25)77
Collector WM + VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		1.0	
Ti			
Cr		4	
Mn		107	
Fe		.55	
Co		2	
Ni		2	
Cu		3	
Zn		11	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		4	
Th			
U			
Sr		2	
Cd		0	
Rb		5	

Method of Analysis HCL

Analyst J.L./K. — O. M.T.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. GSA 14

Latitude 4187750 ([illegible])
Longitude 235980
Quadrangle SOUTH ANNA
Stream
Order 2

Project GOOCHLAND
Elevation 280
County GOOCHLAND
Date 5(23-25) 77
Collector WM & VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		3.6	
Ti			
Cr		11	
Mn		156	
Fe		1.05	
Co		5	
Ni		5	
Cu		6	
Zn		18	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		40	
Ce			
W			
Pb		6	
Th			
U			
Sr		2	
Cd		0	
Rb		15	

Method of Analysis HCL

Analyst J.L.K. — O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. GSA 15

Latitude 4186 180
Longitude 238 050
Quadrangle SOUTH ANNA
Stream
Order 2

Project GOOCHLAND
Elevation 235
County GOOCHLAND
Date 5(23-25)77
Collector WMVM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		1.0	
Ti			
Cr		6	
Mn		92	
Fe		.67	
Co		6	
Ni		2	
Cu		3	
Zn		8	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		10	
Ce			
W			
Pb		4	
Th			
U			
Sr		1	
Cd		0	
Rb		5	

Method of Analysis AAL

Analyst J.L.K. — O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. GSA 16

Latitude 4 18 560
Longitude 2 38 620
Quadrangle SOUTH ANNA
Stream
Order 1

Project GOOCHLAND
Elevation 214
County GOOCHLAND
Date 5(23,25)77
Collector WMVUM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		1.2	
Ti			
Cr		7	
Mn		331	
Fe		1.03	
Co		4	
Ni		2	
Cu		4	
Zn		9	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		1	
Th			
U			
Sr		4	
Cd		0	
Rb		5	

Method of Analysis HCL

Analyst J.L.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. GSA 17

Latitude 4 184 930
Longitude 235 910
Quadrangle SOUTH ANNA
Stream
Order 3

Project GOOCHLAND
Elevation 239
County GOOCHLAND
Date 6 — 77
Collector WM WM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		1.0	
Ti			
Cr		19	
Mn		167	
Fe		1.17	
Co		3	
Ni		5	
Cu		5	
Zn		100	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		1165	
Th			
U			
Sr		1	
Cd		0	
Rb		5	

Method of Analysis HCL

Analyst J.L.K. - D. M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. GSA 18

Latitude 4183930
Longitude 235780
Quadrangle SOUTH ANNA
Stream
Order 3

Project GOOCHLAND
Elevation 230
County GOOCHLAND
Date 6 — 77
Collector W M K U M

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		2.0	
Ti			
Cr		13	
Mn		449	
Fe		1.61	
Co		7	
Ni		5	
Cu		6	
Zn		14	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		40	
Ce			
W			
Pb		6	
Th			
U			
Sr		2	
Cd		0	
Rb		8	

Method of Analysis HCL

Analyst J.L.K. — O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. GSA 19

Latitude 4183 380
Longitude 238 140
Quadrangle SOUTH ANNA
Stream
Order 2

Project GOOCHLAND
Elevation 235
County GOOCHLAND
Date 6 — 77
Collector WMH VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		2.7	
Ti			
Cr		18	
Mn		251	
Fe		.84	
Co		6	
Ni		4	
Cu		5	
Zn		14	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		40	
Ce			
W			
Pb		6	
Th			
U			
Sr		2	
Cd		0	
Rb		14	

Method of Analysis HCL

Analyst J.L.K. — O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. GSA 20

Latitude 4182460
Longitude 238990
Quadrangle SOUTH ANNA
Stream
Order 2

Project GOOCHLAND
Elevation 204
County GOOCHLAND
Date 6 — 77
Collector CUNNUM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		1.8	
Ti			
Cr		12	
Mn		162	
Fe		.60	
Co		5	
Ni		3	
Cu		4	
Zn		10	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		5	
Th			
U			
Sr		1	
Cd		0	
Rb		9	

Method of Analysis HCL

Analyst J.L.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. GSA 21

Latitude 4 18 2 780 Project GOOCHLAND
Longitude 240 770 Elevation 202
Quadrangle SOUTH ANNA County GOOCHLAND
Stream Date 6 — 77
Order 2 Collector WM + VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		43	
Ti			
Cr		15	
Mn		140	
Fe		.83	
Co		4	
Ni		5	
Cu		4	
Zn		20	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		40	
Ce			
W			
Pb		9	
Th			
U			
Sr		2	
Cd		0	
Rb		16	
—			
—			

Method of Analysis HCL

Analyst J.L.K - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. GSA 22

Latitude 4 182 780
Longitude 24 / 670
Quadrangle SOUTH ANNA
Stream
Order 1

Project GOOCHLAND
Elevation 249
County GOOCHLAND
Date 6 — 77
Collector WMTVM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		11.6	
Ti			
Cr		30	
Mn		180	
Fe		2.18	
Co		10	
Ni		10	
Cu		6	
Zn		60	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		150	
Ce			
W			
Pb		14	
Th			
U			
Sr		5	
Cd		0	
Rb		66	

Method of Analysis HCL

Analyst J.L.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. GSA 23

Latitude 4183240
Longitude 241840
Quadrangle SOUTH ANNA
Stream
Order 2

Project GOOCHLAND
Elevation 224
County GOOCHLAND
Date 6 — 77
Collector WM + VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		5.1	
Ti			
Cr		22	
Mn		368	
Fe		1.88	
Co		10	
Ni		12	
Cu		7	
Zn		37	
As			
Y			
Zr			
Nb			
Mo			
Ag		C	
Sn			
Ba		90	
Ce			
W			
Pb		8	
Th			
U			
Sr		3	
Cd		0	
Rb		30	

Method of Analysis HeL

Analyst J.L.K. — O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. GSA 24

Latitude 4 183 380
Longitude 241 130
Quadrangle SOUTH ANNA
Stream
Order 3

Project GOOCHLAND
Elevation 209
County GOOCHLAND
Date 6 — 77
Collector W M + V M

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		1.7	
Ti			
Cr		12	
Mn		268	
Fe		.64	
Co		5	
Ni		4	
Cu		2	
Zn		11	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		8	
Th			
U			
Sr		2	
Cd		0	
Rb		8	

Method of Analysis HCL

Analyst J.L.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. GSA 25

Latitude 4183890
Longitude 241980
Quadrangle SOUTH ANNA
Stream
Order 3

Project GOOCHLAND
Elevation 224
County GOOCHLAND
Date 6 — 77
Collector WMVM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		1.9	
Ti			
Cr		10	
Mn		226	
Fe		.71	
Co		3	
Ni		4	
Cu		2	
Zn		13	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		7	
Th			
U			
Sr		2	
Cd		0	
Rb		9	

Method of Analysis HCL

Analyst J.L.K. - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. GSA 26

Latitude 4184220
Longitude 243090
Quadrangle SOUTH ANNA
Stream
Order 2

Project GOOCHLAND
Elevation 260
County GOOCHLAND
Date 5 (23-25) 77
Collector WMYVM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		2.6	
Ti			
Cr		18	
Mn		120	
Fe		.70	
Co		4	
Ni		8	
Cu		3	
Zn		19	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		40	
Ce			
W			
Pb		4	
Th			
U			
Sr		1	
Cd		0	
Rb		18	

Method of Analysis HCL

Analyst J.L.K. - O.M.F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. GSA 27

Latitude 4185300
Longitude 243170
Quadrangle SOUTH ANNA
Stream
Order 2

Project GOOCHLAND
Elevation 276
County GOOCHLAND
Date 5(23-25)77
Collector WM YUM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		1.9	
Ti			
Cr		11	
Mn		70	
Fe		.43	
Co		1	
Ni		6	
Cu		2	
Zn		11	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		20	
Ce			
W			
Pb		4	
Th			
U			
Sr		1	
Cd		0	
Rb		9	

Method of Analysis HCL

Analyst J.L.K - O.M.T.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. GSA 28

Latitude 4 18 5 100
Longitude 24 20 70
Quadrangle SOUTH ANNA
Stream
Order 2

Project GOOCHLAND
Elevation 264
County GOOCHLAND
Date 5(23-25) 77
Collector WMVVM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		3.0	
Ti			
Cr		14	
Mn		171	
Fe		.82	
Co		4	
Ni		6	
Cu		4	
Zn		21	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		7	
Th			
U			
Sr		2	
Cd		0	
Rb		13	

Method of Analysis HCL

Analyst J.L.K. - O.A.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. GSA 29

Latitude 4182250
Longitude 245420
Quadrangle SOUTH ANNA
Stream
Order 2

Project GOOCHLAND
Elevation 270
County GOOCHLAND
Date 6 — 77
Collector UNIVUM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		3.4	
Ti			
Cr		19	
Mn		176	
Fe		1.12	
Co		4	
Ni		10	
Cu		5	
Zn		32	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		50	
Ce			
W			
Pb		9	
Th			
U			
Sr		2	
Cd		0	
Rb		20	

Method of Analysis HCL

Analyst JLK - O. M.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. GSA 30

Latitude 4189090
Longitude 239210
Quadrangle SOUTH ANNA
Stream
Order 4

Project GOOCHLAND
Elevation 229
County GOOCHLAND
Date 4 - 77
Collector UMAUM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		2.0	
Ti			
Cr		12	
Mn		487	
Fe		1.57	
Co		6	
Ni		4	
Cu		6	
Zn		13	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		30	
Ce			
W			
Pb		5	
Th			
U			
Sr		3	
Cd		0	
Rb		8	

Method of Analysis HCL

Analyst J.A.K - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. GSA 31

Latitude 4 18 6 060
Longitude 239 310
Quadrangle SOUTH ANNA
Stream
Order 5

Project GOOCHLAND
Elevation 202
County GOOCHLAND
Date 4 — 77
Collector W M V M

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		2.4	
Ti			
Cr		14	
Mn		552	
Fe		1.18	
Co		7	
Ni		6	
Cu		5	
Zn		15	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		50	
Ce			
W			
Pb		5	
Th			
U			
Sr		3	
Cd		0	
Rb		11	

Method of Analysis HCL

Analyst J.L.K. - O.M.F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. GSA 32

Latitude 4 186 260
Longitude 241 420
Quadrangle SOUTH ANNA
Stream
Order 2

Project GOOCHLAND
Elevation 279
County GOOCHLAND
Date 6 — 77
Collector W M + V M

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		9.7	
Ti			
Cr		48	
Mn		185	
Fe		1.64	
Co		10	
Ni		24	
Cu		8	
Zn		45	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		130	
Ce			
W			
Pb		8	
Th			
U			
Sr		3	
Cd		0	
Rb		45	

Method of Analysis HCL

Analyst J.L.K. - O.M.F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. GSA 33

Latitude 4185590
Longitude 240540
Quadrangle SOUTH ANNA
Stream
Order 2

Project GOOCHLAND
Elevation 238
County GOOCHLAND
Date 6-77
Collector WM+VM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		4.1	
Ti			
Cr		22	
Mn		154	
Fe		.78	
Co		6	
Ni		8	
Cu		3	
Zn		18	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		50	
Ce			
W			
Pb		5	
Th			
U			
Sr		2	
Cd		0	
Rb		20	

Method of Analysis HCL

Analyst J.L.K - O.M.F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. GSA 34

Latitude 4184000
Longitude 240100
Quadrangle SOUTH ANNA
Stream
Order 2

Project GOOCHLAND
Elevation 210
County GOOCHLAND
Date 4 — 77
Collector WAYNE

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		4.6	
Ti			
Cr		26	
Mn		170	
Fe		.86	
Co		4	
Ni		11	
Cu		4	
Zn		20	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		60	
Ce			
W			
Pb		7	
Th			
U			
Sr		2	
Cd		0	
Rb		21	

Method of Analysis HCL

Analyst J.L.K - O.M.F.

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. G SA 35

Latitude 4184080
Longitude 240040
Quadrangle SOUTH ANNA
Stream
Order 1

Project GOOCHLAND
Elevation 202
County GOOCHLAND
Date 4 — 77
Collector W M + V M

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		9.6	
Ti			
Cr		51	
Mn		275	
Fe		1.92	
Co		13	
Ni		25	
Cu		11	
Zn		50	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		120	
Ce			
W			
Pb		12	
Th			
U			
Sr		3	
Cd		0	
Rb		40	

Method of Analysis HCL

Analyst J L K - O M F

Virginia Division of Mineral Resources
Geochemical Exploration Data
Stream Sediments

Sample No. GSA 36

Latitude 4183480
Longitude 240060
Quadrangle SOUTH ANNA
Stream
Order 6

Project GOOCHLAND
Elevation 190
County GOOCHLAND
Date 6-77
Collector WMVM

Formation
Percent Heavies (60-80)
Percent Heavies (80-230)
Remarks

Chemical Analysis (ppm)

	(60-80)	(80-230)	(<230)
Li		2.8	
Ti			
Cr		18	
Mn		654	
Fe		.98	
Co		4	
Ni		7	
Cu		4	
Zn		18	
As			
Y			
Zr			
Nb			
Mo			
Ag		0	
Sn			
Ba		40	
Ce			
W			
Pb		11	
Th			
U			
Sr		2	
Cd		0	
Rb		12	

Method of Analysis HCL

Analyst J.L.K. - O.M.F.