

REF. PLAN	GEOLOGY	<i>[Signature]</i> 30/3/82	1 : 5000 SCALE	
LEGEND:	SURVEY			
Upper volcanics	PLANNING		BOLD HEAD AREA SHOWING ZONES OF EXPLORATION POTENTIAL	
Mine series	ROCK. MEC.			
Quartzites and siltstones	GRADE CON.		DRAWING NUMBER	
Adamellite	DRAFTING	<i>[Signature]</i>		
	T.S.S.			

2637		Sandstone
2635		Limestone
104/9		Laterite or Ironstone
104/6		Volcanics
104/6		Altered Volcanics
		Agglomerate and Tuffs
104/30		Shale
104/30		Spotted Shale
104/3		Grey mudstone
2624		Black Shale and Slate
2640		Slate
104/5		Breccia
104/38		Actinolite Hornfels
104/38		Biotite Actinolite Hornfels
104/38		Biotite Hornfels
104/38		Pyroxene Hornfels
104/38		Pyroxene Garnet Hornfels
104/10		Quartz
104/5		Porphyry and Basic Dykes
104/14		Tillite
2628		Quartzite
2639		Mica Shists (and muscovite sillimanite shists)
104/7		Siltstone
104/2		Aplite
104/29		Granite
	Boundary of sand dune development
	====	Roads
	----	Tracks
	—	Geological boundary observed
	- - - -	" " inferred
	—	Fault observed
	- - - -	" " inferred
	— ↑ —	Anticlinal axis
	— ↓ —	Synclinal axis
	⊕	Horizontal Dip and Strike
	⊖	Vertical " " "
	⊥	Inclined " " "
	○	Scout bore for heavy mineral beach sand

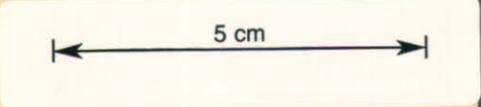
GEOPEKO LTD

Date: Oct '69

LEGEND FOR ALL REGIONAL PLANS

5 cm

10	2637	a	Sandstone
48	2635	b	Limestone
67	10479	c	Laterite or Ironstone
25	10476	v	Volcanics
25	10476	v	Altered Volcanics
22		d	Agglomerate and Tuffs
	104/30	e	Shale
32	104/30		Spotted Shale
	104/3	f	Grey mudstone
	2634	g	Black Shale and Slate
71	2640	h	Slate
46	104/5		Breccia
	104/38	i	Actinolite Hornfels
	104/38		Biotite Actinolite Hornfels
	104/38	k	Biotite Hornfels
	104/38		Pyroxene Hornfels
	104/38	m	Pyroxene Garnet Hornfels
	104/10	n	Quartz
46	104/5	o	Porphyry and Basic Dykes
1	104/14	p	Tillite
58	2639	q	Quartzite
52	2639	r	Mica Shists (and muscovite sillimanite shists)
07	10477	s	Siltstone
13	104/2	t	Aplite
21	104/29	+ +	Granite
		Boundary of sand dune development
	==		Roads
	- - - -		Tracks
	—		Geological boundary observed
	- - - -		" " inferred
	—		Fault observed
	- - - -		" " inferred
	—↑—		Anticlinal axis
	—↓—		Synclinal axis
	⊕		Horizontal Dip and Strike
	⊖		Vertical " " "
	⊥		Inclined " " "
	○		Scout bore for heavy mineral beach sand



GEOPEKO LTD

Date: Oct '69

LEGEND FOR ALL REGIONAL PLANS

Purple

67
(Toda)

71
46



Locality:
2 sites

out
out
X 1/2

5 cm

<p>Fine-grained Muscovite schists with mica schists etc.</p>	<p>Siliceous Shale with inter Sandstone.</p>	<p>Shale, Siltstone, Dolomite, Gabbro etc.</p>	<p>Contact metamorphosed and metasedimentary rocks - Mist Series.</p>	<p>Devonian Gneiss.</p>	<p>Basic Dykes - undifferentiated.</p>	<p>Tertiary? Olivine basalt.</p>	<p>Pre-Cambrian 'West Coast' Gneisses - undifferentiated.</p>	<p>Cambrian? Spillite, Basalt, Tuff Agglomerates, etc.</p>	<p>Green Hill.</p>	<p>Geological Boundary.</p>	<p>Fault.</p>	<p>Dip and Strike of Strata.</p>	<p>Apparent Axis with direction of Plunge.</p>	<p>Symmetrical Axis with direction of Plunge.</p>	<p>Transitional Metamorphic Boundary.</p>	<p>Uncertainty.</p>
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GEOPEKO LIMITED
KING ISLAND GROUP

SCALE: 1:63360

REGIONAL GEOLOGICAL INTERPRETATION MAP

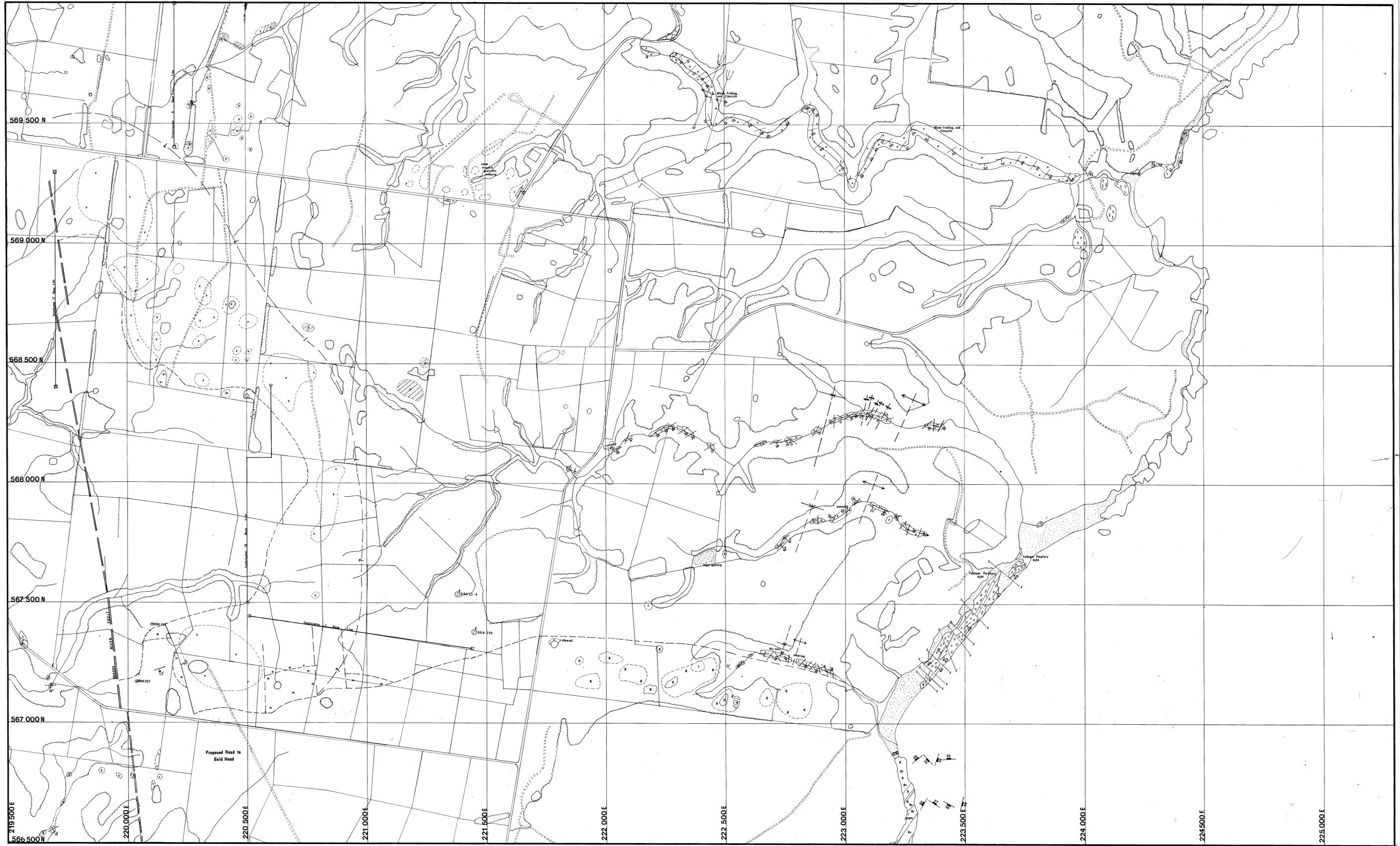
KING ISLAND

No. KGR-20

DATE: FEB 72
GEOLOGIST: J.J.G.
DRAWN: P.M.G.
CHECKED:

GR-20

5 cm



Sedimentary Rocks		Igneous Rocks		Contact Metamorphosed Sediments		Structural Features		Other Symbols	
a	Siltstone with some bedding features evident	v	Undifferentiated Volcanics often contact altered	m	Mine Series Undifferentiated	---	Established geological boundary - Position approximate	○	Bush and Scrub boundary
b	Massive Siltstone	B B B	Massive Basalt generally strongly jointed with minor quartz inclusions & vesicles	t	Tuff	- - - - -	Geological boundary - Position inferred	—	Formed Road
c	Finely bedded laminated Siltstone often with fissility developed	Bv Bv	Massive Vesicular Basalt often with abundant quartz inclusions and veins	tc	Crystalline Tuff with dark Aphanitic matrix	- - - - -	Fault observed - Position approximate	○	Track
	Tillite					- - - - -	Fault inferred	○	Stream
	Carbonate Dyke					—	Grassy River Fault	○	Limit of Sand Dune development
						↔	Major Anticlinal Axis with direction of plunge	○	Sand Blow or Beach
						↔	Major Synclinal Axis with direction of plunge	⊙	Diamond Drill Hole showing surface Geology
						↔	Minor Anticlinal Axis with direction of plunge	⊙	Fossil Sample locality
						↔	Minor Synclinal Axis with direction of plunge	⊕	Brassic
								+	Horizontal Strata

3 1
4 2

Index to Adjoining Sheets

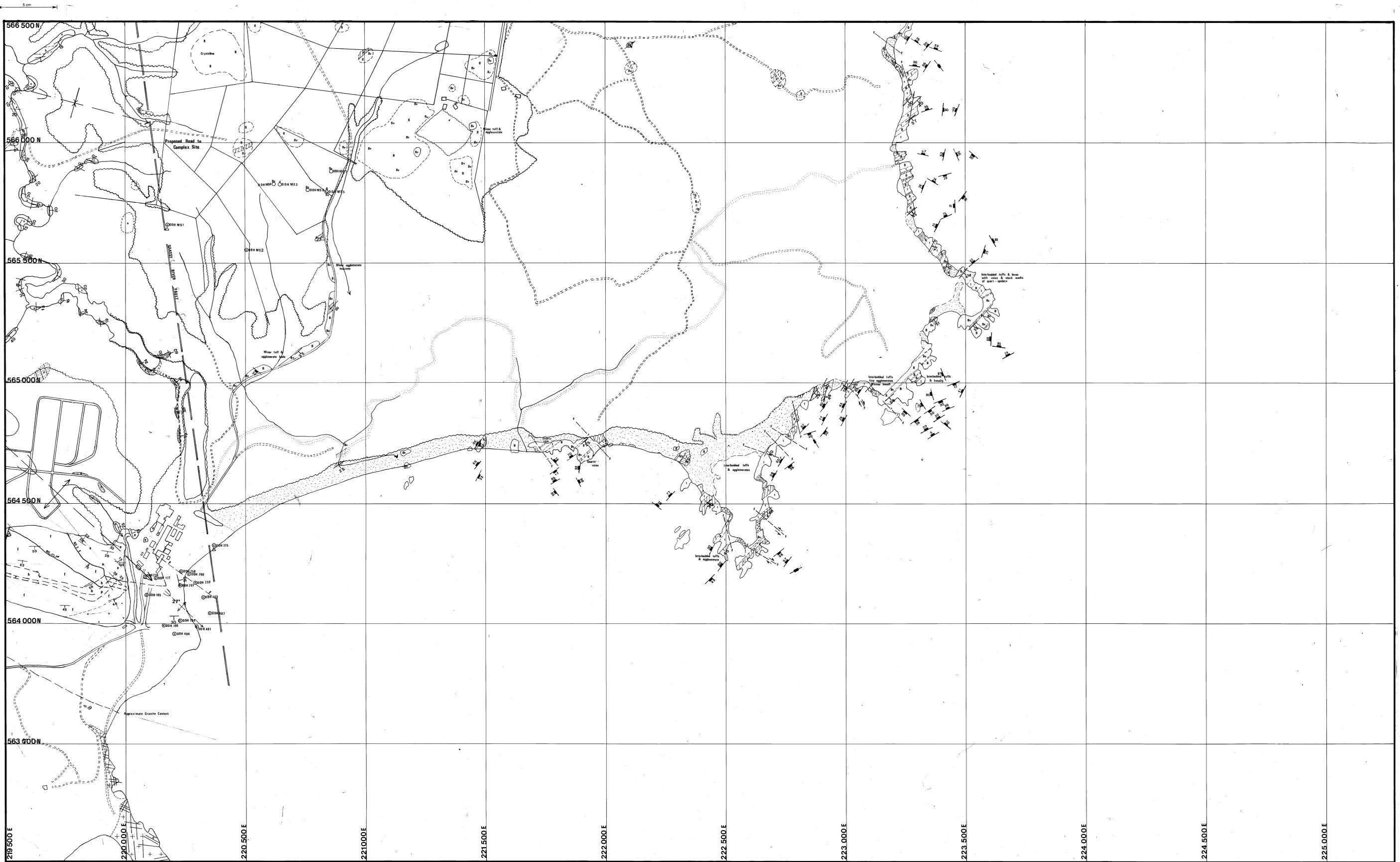
GEOPEKO LIMITED
KING ISLAND GROUP
No. KGR 26

SCALE: 1:5000

DATE: _____
GEOLOGIST: J.B. P.C.
DRAWN: _____
CHECKED: _____

GRASSY - BOLD HEAD AREA
Geological Map - Sheet 1

GR-26



Sedimentary Rocks		Igneous Rocks		Contact Metamorphosed Sediments		Structural Features		Other Features					
	Siltstone with some bedding features evident		Siliceous Siltstone		Undifferentiated Volcanics often contact altered varieties		Volcanic Agglomerate		Established geological boundary - Position approximate		Strike and Dip of Bedding		Bush and Scrub boundary
	Massive Siltstone		Fine Sandstone - Fine Quartzitic Sandstone		Massive Basalt generally strongly pitted & minor quartz inclusions & vesicles		Tuff		Fault observed - Position approximate		Rock Outcrop		Formed Road
	Finely bedded laminated Siltstone often with fissility developed		Tuffite		Massive Vesicular Basalt often with abundant quartz inclusions and veins		Interbedded Jaegerdal Chert horizon or sedimentary horizon		Fault inferred		Rock Float - Approximate boundary		Track
	Black - Grey Shale		Quartz		Basic Dyke - undifferentiated		C. Lava Grabbly - Andradite slugs and impregnated footwall beds		Major Anticline Axis with direction of plunge		Liasement or Photo Liaser		Limit of Sand Dune development
	Massive Quartzite - metamorphosed		Ironstone		Porphyritic Basic Dyke		Biotite Hornfels		Major Synclinal Axis with direction of plunge		Diamond Drill Hole showing surface Geology		Sand Blow or Beach
					Slightly contact altered Siltstone and Shale		Strongly contact metamorphosed Quartzite often strongly spotted		Minor Anticline Axis with direction of plunge		Fossil Sample localite		Boulder Beach
					Granite		Biotite Hornfels		Minor Synclinal Axis with direction of plunge		Breccia		
					Amphibolite		Actinolite Hornfels		Horizontal Strata				

3	1
4	2

Index to Adjoining Sheets

GEOPEKO LIMITED
KING ISLAND GROUP

No. KGR-27

GRASSY BOLD HEAD AREA
Geological Map Sheet 2

DATE: FEB. 72

GEOLOGIST: J.J.G.

DRAWN: J.J.G. P.M.C.

CHECKED: J.J.G.

SCALE: 1:5000

GN - MN

GR-27

5cm



Sedimentary Rocks		Igneous Rocks		Contact		Metamorphosed Sediments	
	<input type="checkbox"/>						
	<input type="checkbox"/>						
	<input type="checkbox"/>						
<input type="checkbox"/>							
<input type="checkbox"/>							

- Established geological boundary - Position approximate
- Geological boundary - Position inferred
- Fault observed - Position approximate
- Fault inferred
- Grassy River fault
- Major Anticlinal Axis with direction of Plunge
- Major Synclinal Axis with direction of Plunge
- Minor Anticlinal Axis with direction of Plunge
- Minor Synclinal Axis with direction of Plunge

- Strike and Dip of Bedding
- Strike and Dip of Joint
- Rock Outcrop
- Rock Flax - Approximate boundary
- Lineament or Photo Linear
- Diamond Drill Hole showing surface Geology
- Fossil Sample locality
- Brucite
- Horizontal Strata

- Bush and Scrub boundary
- Farmed Road
- Track
- Stream
- Limit of Sand Dune development
- Sand Blow or Beach



	1	Index to Adjoining Sheets
	2	
	3	
	4	

GEOPEKO LIMITED
KING ISLAND GROUP

No. KGR-28

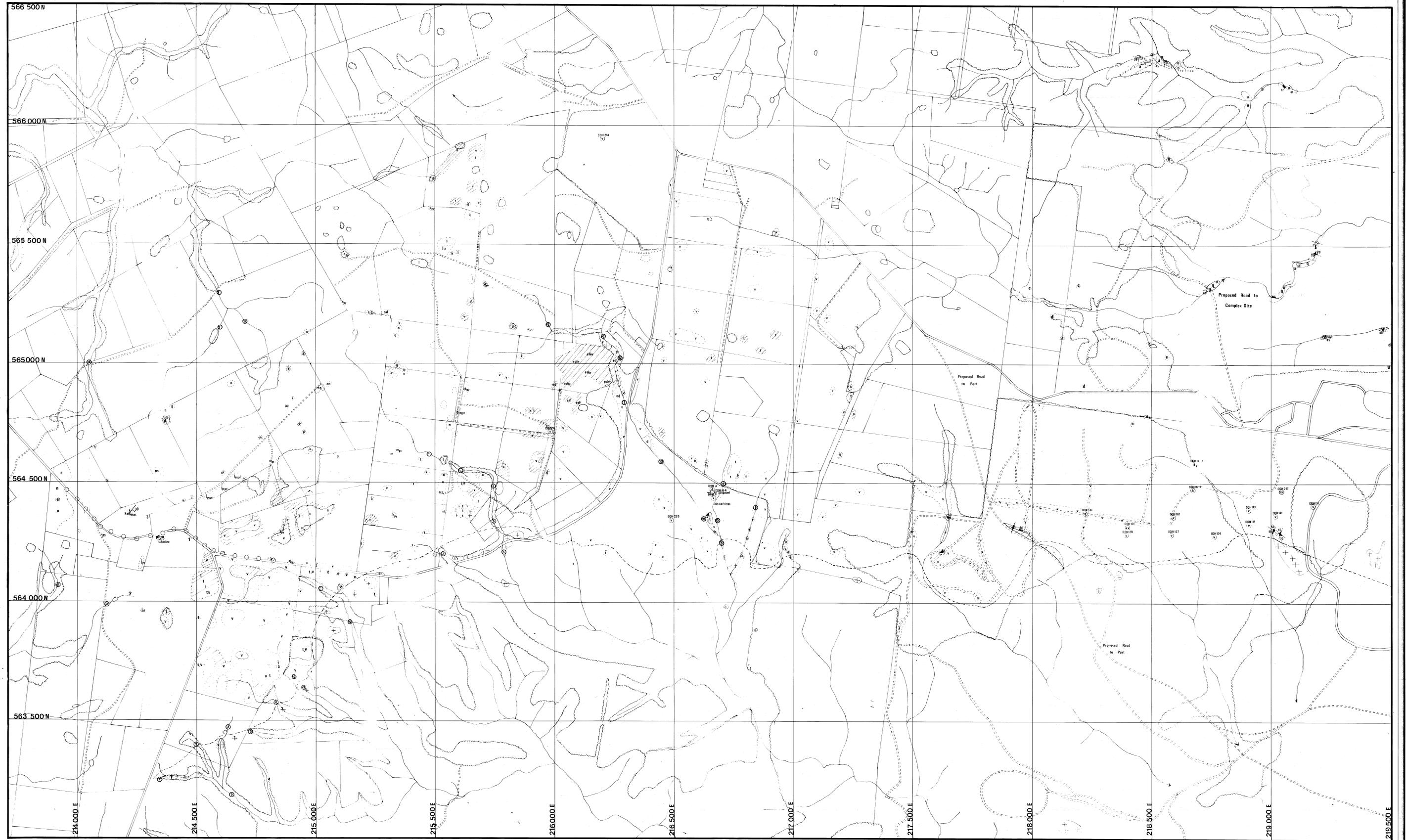
GRASSY - BOLD HEAD AREA
Geological Map - Sheet 3

DATE: _____
GEOLOGIST: J.P.B. / P.C.
DRAWN: _____
CHECKED: _____

SCALE: 1:5000

GR-28

5 cm



Sedimentary Rocks a Siltstone with some bedding features evident b Massive Siltstone c Finely bedded laminated Siltstone often with fissility developed d Black Gray Shale e Quartzite - Massive/Unmetamorphosed f Fine Sandstone Fine Quartzitic Sandstone g Spotted Fine Quartzitic Sandstone h Siliceous Siltstone i Quartz j Ironstone		Igneous Rocks k Volcanics - Undifferentiated (Generally fine grained - often Contact Metamorphosed) l Medium to Coarse Grained Volcanics m Spotted Volcanics n Tuff o Volcanic Agglomerate p Undifferentiated Basic Dyke q Deleteritic Dyke r Perphyritic Basic Dyke s Aplite t Granite		Contact Metamorphosed Sediments u Mine Series - Undifferentiated v Pyroxene Garnet Hornfels w Pyroxene Hornfels x Fine grained Actinolite Hornfels y Fine grained Biotite-Actinolite Hornfels z Fine grained Biotite Hornfels aa Laminated Biotite-Pyroxene Hornfels ab Biotite Actinolite Hornfels with Siliceous Pyroxene Hornfels Fragments ac Strongly Metamorphosed Quartzites Often Strongly Spotted ad Slightly Contact Altered Siltstones and Shales		--- Established geological boundary - Position approximate - - - Geological boundary - Position inferred - - - Fault observed - Position approximate - - - Fault inferred --- Grassy River Fault --- Major Anticlinal Axis with direction of plunge --- Major Synclinal Axis with direction of plunge --- Minor Anticlinal Axis with direction of plunge --- Minor Synclinal Axis with direction of plunge --- Strike and Dip of Bedding --- Strike and Dip of Joint ○ Rock Outcrop --- Rock Float Approximate boundary --- Lineament or Photo Linear DDH002 Diamond Drill Hole showing surface Geology ⊙ Fossil Sample locality ⊕ Broccia ⊕ Horizontal Strata		○ Bush and Scrub boundary --- Formed Road --- Track --- Stream --- Limit of Sand dune development --- Sand Blow or Beach iv Pyrite Accessory v Pyrrhotite Accessory vi Calcite fragments Accessory ⊙ Stream sample locality with W values in p.p.m.		3 1 4 2 Index to Adjoining Sheets GEOPEKO LIMITED KING ISLAND GROUP No. KGR-30 GRASSY BOLD HEAD AREA Geological Map - Sheet 4 DATE: _____ GEOLOGIST: JJB/PC DRAWN: _____ CHECKED: _____ 2 Stream Sample localities	
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GR-30



Sedimentary Rocks a Siltstone with some bedding features evident b Massive Siltstone c Finely bedded laminated Siltstone often with fissility developed d Black Grey Shale e Quartzite - Massive/metamorphosed		Igneous Rocks f Fine Sandstone - Fine Quartzitic Sandstone g Spotted Fine Quartzitic Sandstone h Siliceous Siltstone i Quartz j Ironstone k Volcanics - Undifferentiated (Generally fine grained - often Contact Metamorphosed) l Medium to Coarse Grained Volcanics m Spotted Volcanics n Tuff o Volcanic Agglomerate		Contact Metamorphosed Sediments p Undifferentiated Basic Dyke q Deleteritic Dyke r Porphyritic Basic Dyke s Aplite t Granite u Mine Series - Undifferentiated v Pyroxene Garnet Hornfels w Pyroxene Hornfels x Fine grained Actinolite Hornfels y Fine grained Biotite - Actinolite Hornfels		Established geological boundary - Position approximate Geological boundary - Position inferred Fault observed - Position approximate Fault inferred Grassy River Fault Major Anticlinal Axis with direction of plunge Major Synclinal Axis with direction of plunge Minor Anticlinal Axis with direction of plunge Minor Synclinal Axis with direction of plunge		Strike and Dip of Bedding Strike and Dip of Joint Rock Outcrop Rock Float Approximate boundary Lineament or Photo Linear Diamond Drill Hole showing surface Geology Fossil Sample locality Breccia Horizontal Strata		Bush and Scrub boundary Fenced Road Track Stream Limit of Sand dune development Sand Blow or Beach Pyrite Accessory Pyrrhotite Accessory Calcite Fragments Accessory		3 1 4 2 Index to Adjoining Sheets GEOPEKO LIMITED KING ISLAND GROUP No. KGR 29 GRASSY BOLD HEAD AREA Geological Map - Sheet 4 DATE: GEOLOGIST: JAR PC DRAWN: CHECKED:	
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GR-29

