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SKETCH MAP OF BURCHELL'S TREK.

Compiled by HELEN M. MCKAY.

INTRODUCTION.

This sketch map, showing Burchell's wanderings in South Africa, 1810—1815, is offered as a modernised version of his map which was published in 1822.

In its compilation, the material used has been derived from that set down in nine of his field sheets (42 cm. × 53 cm.) which are now in the Hope Department of Zoology (Entomology), University Museum, Oxford, and from the physical features of South Africa given in the *Topographical Map compiled in the Office of the Director of Irrigation, Pretoria, 1937.*

As a traveller, Burchell broke new ground in South Africa. He belonged to a period prior to that in which the botanists had become so specialised that they looked askance at anyone who digressed into other branches of science. His energetic curiosity into every branch of natural history convinced him that a botanist as well as a traveller was incomplete if he were not a bit of a geographer and map-maker.

As this production is intended chiefly for the use of botanists, no details as to his method of map-making will be discussed here.

No claim is made to the interpretation of his sheets being more than an effort to provide the botanist with a stepping stone between Burchell's published map and that which may be drawn up when he is working in any of the divisions of the Union through which Burchell passed.

It will also assist the systematist, who has not access to Burchell's manuscript Diaries, to fix the localities for Burchell plants which are often quoted (e.g. in *Fl. Cap.*) by number alone. Further, a knowledge of Burchell's type localities will be of value in assisting in the re-discovery of the plants and in confirming the identifications of specimens collected subsequently.

Let Burchell's own words speak on my behalf:

"There is, it must be acknowledged, some presumption in thus pronouncing the nature of a country never yet visited by any traveller; but as we are living in the age for hypothesis in geography, the presumption will appear the less remarkable: nor indeed do I much care whether this hypothesis be here proved or disproved, if it do

J. S. Afr. Botany 1943 vol. 9

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but excite the curiosity of some properly qualified traveller to explore the region," (*Travels*, Vol. I, p. 443.) and, I may add, supply a detailed map of it.

ACKNOWLEDGMENTS.

My thanks are extended to all who have helped with advice and encouragement, but particularly are they given to :

The Principal and the Librarian, respectively, of the University of the Witwatersrand for permission to use the photostats of Burchell's field sheets, and the sheets of the topographical maps of the Union.

Professor Wellington, Department of Geography, University of the Witwatersrand, for permission to use mapping tables and instruments.

Mr. J. Ross, late Librarian of Kimberley Public Library, for the loan of Horne's map of the Colony of the Cape of Good Hope.

Dr. S. J. Botha, of Seodin, Kuruman.

Miss H. J. Smith and Mr. J. D. G. Fouche, of Hopetown.

Mr. S. H. Rubidge, of Graaff-Reinet.

Mrs. Bester, of Postmasburg, for assistance in fixing localities.

Miss M. Gentles, who willingly gave her time and talent as draughtsman, and Miss Hammar for her assistance.

The Chief Archivist for the Union for the use of Baird's 1796 Map of the Cape Peninsula, and Miss L. R. van Niekerk of Kirstenbosch for adapting it.

Without Professor Compton's kindly criticism and guidance, this presentation of Burchell's trek would not have appeared, and to him as Editor of the *JOURNAL OF SOUTH AFRICAN BOTANY* I give my thanks for all his help.

THE CHARTS OR SHEETS.

These have been arranged on similar lines to Burchell's. No. 7, in the original, is missing ; but the published map gives the details sufficiently clearly to work on. For convenience, this northern section has been divided into 7A and 7B, allowing a good overlap for working purposes. Space and paper have, thus, been saved, as has been in the case of section 9. Burchell put the section from Graaff-Reinet to Commadagga on what is here published as two parts, Nos. 5 and 6. It was considered advisable to present No. 9 in two parts rather than overcrowd Nos. 5 and 6.*

* Sheet A is based on portion of a map (Cape Archives M.88) prepared for Sir David Baird in 1796. The localities are indicated by capital letters and numerals, the index to which is written in the margin. The following is the index, which is reproduced here on account of its intrinsic interest.

A. The Citadel.	F. Lion's Rump .. 1143 Feet high.
B. The Town.	G. Craig's Tower and Battery.
C. Table Mountain .. 3582 Feet high.	H. Fort de Knokke.
D. Devil's Hill .. 3315 Feet high.	I. Wharf.
E. Lion's Head .. 2160 Feet high.	K. Rogge Bay Battery.

The numbering of Burchell's stations will show his movements in chronological order, and this same order has been adhered to in the accompanying lists of his herbarium numbers.

It will be found necessary to read these charts accompanied by a physical map; to have inserted more names or details and covered all the ground Burchell did, would have necessitated maps on a much larger scale and more of them.

THE TEXT.

The text accompanying the charts is arranged chronologically. Burchell's names for his stopping places have been used; but, wherever possible, there is, within brackets, a modern equivalent for them. The names of the localities are those given in his *Catalogus Geographicus*, and most of them appear in his published map. Under the heading of "remarks," notes have been made of items to which Burchell called special attention, either by making sketches of them or writing up full notes about them in his *Ephemeris*. By so doing, it would appear that he had every intention of including them in the botanical work he had hoped to publish.

Reference should be made to McKay, "William John Burchell, Botanist," *Journ. S.Af. Bot.*, Vol. VII, 1941.

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|---|---|
| L. Amsterdam Battery. | 16. Place de Bergh. |
| M. Chavonnes Battery. | 17. Place de Holtman. |
| N. Battery de Mouille. | 18. Place de Heuning. |
| O. Little Battery. | 19. Place de Kersten. |
| P. Society House. | 20. Place de langerjan. |
| Q. Camps Bay. | 21. Stellenburg. |
| R. Company's Grange. | 22. Rust en werk. |
| S. Eeklenburg. | 23. Vredenhoff. |
| T. Rondebosch. | 24. Place de dollfuss. |
| U. Brandenburg. | 25. Wynberg. |
| V. Welgelegen. | 26. House of de Waal. |
| W. Place de Jouberte. | 27. Claesenbosch. |
| X. Place named Belleviet. | 28. Goedgeloof. |
| Y. La view de Mer. | 29. Witteboomen. |
| Z. Roodebloem. | 30. Place de Franken. |
| 1. The old Corn Mill. | 31. Great Constantia. |
| 2. Salt River. | 32. Little Constantia. |
| 3. Zonnebloem. | 33. Place de Brink. |
| 4. Horse Island. | 34. Place called Bergylid. |
| 5. Salt River. | 35. The Camp. |
| 6. River de Liesbeck. | 36. Deep River. |
| 7. De bude mond. | 37. van Elsting's House. |
| 8. Great road from the Cape to Simon's Bay. | 38. Lokkenaar's House. |
| 9. Gordon's Battery. | 39. Rossouw's House. |
| 10. Cohoon's Battery. | 40. Shallow lake nearly dry in the summer season. |
| 11. Sea line. | 41. Newlands. |
| 12. Muniek lines. | 42. van Rheenen's House. |
| 13. Place dry. | 43. Paradise. |
| 14. Place de Kemper. | 44. Kerstenbosch. |
| 15. Place de Hérholdt. | |

Map Ref.	Place.	Date.	Herb. Nos.	Remarks.
124—125	Rushy Station [Groot Varskuil] ..	17. 5.1812	2122, 2123, 2126, 2127	Species of <i>Mosembryanthemum</i> covered the plain. <i>M. veruculatum</i> . C.G. 2123 <i>Marsilea quadrifolia</i> (<i>macrocarpa</i> Presl. var. <i>Burchellii</i>).
126	Lower Station on Brak River ..	18. 5.1812		C.G. 2124 <i>Pelargonium</i> .
127	Ox Ford on the Gariiep 4½ miles from English Drift	19—20. 5.1812	2128, 2128/7	On the Island at English Drift. C.G. 2128 <i>Cyperus scirpioides</i> .
128	The Kloof in the Asbestos..	21. 5.1812		
129	Wittewater	22. 5.1811		
130	Klaarwater	23. 5.1812		
		24. 5.1812		Between the Orange River and the Sunday River no <i>Acacia</i> had been seen.

Sheets 4 and 7A.—From Klaarwater to Kuruman. Divisions of Hay and Kuruman.

Map Ref.	Place.	Date.	Herb. Nos.	Remarks.
130	Klaarwater	3. 6.1812	2129	<i>Crassula</i> .
130—131	Moses' Fontein [Moosfontein] ..	6. 6.1812	2130—2134	Shrubs chiefly <i>Tarchonanthus</i> and <i>Rhus tridactyle</i> .
131—132	Ongeluk	8—14. 6.1812	2135—2135/3	C.G. 2135/2 <i>Acacia elephantina</i> , <i>Mentha Capensis</i> , <i>Zanichellia</i> .
133	Doorn River	14—16. 6.1812	2136	C.G. 2136 Kameel Doorn Trees. <i>Andropogon. A. hirtus</i> .
134	A Station without water .. [near Connie].	16. 6.1812		Doornboom trees The track was not much beaten and was nearly obliterated by grass.
134—135	Bloem's Fontein [Grootfontein] ..	17. 6.1812	2136/2—2139	<i>Acacia stolonifera</i> . Ic.
136	Sensaván or Blink-klip [near Postmasburg].	18. 6.1812	2140—2143	C.G. 2141 <i>Hermannia bryoniaefolia</i> . C.G. 2142 <i>Vangueria infausta</i> . Ic. 607.
137	Klip Fontein (Kora, Rock Fontein)	19. 6.1812	2144—2166	C.G. 2153 <i>Melhamia prostrata</i> . Ic. 485. C.G. 2154 <i>Croton gratissimus</i> . Ic. 486. C.G. 2160 <i>Ocymum fruticosum</i> .
137—138	Knegts Fontein [N. of Kopje Aileen]	20. 6.1812	2167—2170	Grass lands of Genera <i>Andropogon</i> , <i>Aristida Anthistiria</i> , <i>Poa</i> .
139	Kosi Fountain [Khosis]	21—28. 6.1812		C.G. 2170 <i>Cissampelos calcarifera</i> . <i>Arundo barbata</i> Ic. under date 10.9.1841. Tr., II, 271. Sowed peach, quince, almond and kitchen garden seeds near the spring.

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128	The Kloof in the Asbestos.. ..	22. 5.1811		
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Sheets 4 and 7A.—From Klaarwater to Kuruman. Divisions of Hay and Kuruman.

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137—138	Knegts Fontein [N. of Kopje Alleen]	20. 6.1812	2167—2170	Grass lands of Genera <i>Andropogon</i> , <i>Aristida</i> <i>Anthistiria</i> , <i>Poa</i> . C.G. 2170 <i>Cissampelos calcarifera</i> .
139	Kosi Fountain [Khosis]	21—28. 6.1812		<i>Arundo barbata</i> Ic. under date 10.9.1841. Tr., II, 271. Sowed peach, quince, almond and kitchen garden seeds near the spring.

139—140	Tarchonanthus Station	28. 6.1812	2171	
140—141	Little Klibbolikhonni Font. [Oog- kop ?].	29. 6.1812	2172—2182	Karneel Doorn trees. Flowering season over, and only dry and crisp leaves remain on the deciduous shrubs.
142	Kruman Station [Vicinity of Seodin]	30. 6.1812	2183—2187	C.G. 2184 <i>Melicoides Tricholaena rosea</i> . C.G. 2185 <i>Evolvulus</i> —"the first proof of the existence of that genus on the African Continent." <i>Tr.</i> , II, 306 n.

Sheet 7B.—From Kuruman to Litakun (Takoon), thence to Chué Spring [Henningvlei] and return to Kuruman.
Division of Kuruman and Native Reserves.

Map Ref.	Place.	Date.	Herb. Nos.	Remarks.
143	At the Kruman (Kuruman R.) ..	29. 6.1812	2183—2187	C.G. 2185/1 <i>Evolvulus alsinoides</i> . First proof of this genus in the African Continent.
143—144	Makklwaarin River [Mecwetsaneng ?]	1. 7.1812	2188—2192	C.G. 2191 <i>Mes. aloides</i> Ic. et Kew.
	At the River.	5. 7.1812	2193—2198	C.G. 2193 <i>Crassula</i> . Ic. of plant grown from its seed: S. 219. <i>Tr.</i> , II, 233.
144—145	Sikkloniäni Fountain [S. of Motito : N. of Depatholong "A" Mt.].	10. 7.1812	2199—2202	Grassy Plain. C.G. 2202 <i>Tarchonanthus</i> 10—12 ft. high. <i>Tr.</i> , II, 340.
146	Lobutsani [a Fountain in the Pellat Plains].	12. 7.1812		Spent time arranging material for trade in Litakun.
146—147	Litakun (Takoon)	13. 7.1812	2203—2204	C.G. 2203 <i>Passerina</i> ? : met for first time <i>Tr.</i> , II, 341.
147	At Litakun	24. 7.1812	2205—2220	C.G. 2205 <i>Acacia Litakunensis</i> —40 ft. : C.G. 2213 <i>Dolichos</i> Ic. C.G. 2214 <i>Holcus caffrorum</i> . Ic. <i>Tr.</i> , II, 586—589. Seeds Nos. 268-283, see <i>Hortus Fulhamensis</i> MSS.
148	At Bachapin (Batlapin) cattle station	3. 8.1812		
149	Acacia Fountain [Between Peaks of Depatholong and Depatholong "A"].	4. 8.1812		
150	Pintado (Guinea Fowl) Fountain [near Heiso].	8. 8.1812	221, 2221/2	C.G. 221 <i>Tillaea rotundifolia</i> . Ic. 515. C.G. 2221/2 <i>Muscus</i> ,

Sketch Map of Burchell's Trek.

Map Ref.	Place.	Date.	Herb. Nos.	Remarks.
150—151	Thermometer Fountain [near Skiet Mekaar].	9. 8. 1812	2222—2221/1	“Set off at noon, and travelling sometimes through thickets of <i>Mimosa nilotica</i> and <i>Tarchonanthus</i> (now white with down) and sometimes through large fields of mock-red wheat, we arrived at 3½ p.m. at a clump of tall trees where is a small spring.” <i>Unpublished Journal</i> .
151—152	The Garden [near Pakhanie Kop].	10. 8. 1812	2233/1, 2233/2	Rainy season. Collected mostly bulbs. Moss observed.
152—153	Thermometer Fountain (see 151) . .	27. 8. 1812	2244—2245/2	C.G. 2240 <i>Gladiolus edulis</i> . Ic. 527. C.G. 2242 <i>Mes. Ic.</i> 534. C.G. 2243 <i>Dais virgata</i> . Ic. 526. He sowed seeds of tamarind, cotton, cabbage, lettuce, radish, water-melon: planted onions and potatoes.
153—154	Pintado Fountain (see 150)	28. 8. 1812	2246—2249/1	Saw grass fires in the distance. C.G. 2247/2 <i>Hypoxis obtusa</i> . Ic. Differs from Cape species in opening and remaining so in all weathers. Bot. Reg. t. 159.
155	Jabiru Fountain	29—31. 8. 1812 1. 9. 1812	2249/2—2249/8 2250/1, 2250/2	C.G. 2249/2 <i>Massonia jasminiflora</i> Ic. C.G. 2249/4 <i>Iris</i> . Ic. 540. C.G. 2250/1 <i>Morea</i> Ic. 549. C.G. 2250 <i>Sisyrinchium</i> Ic. 545. C.G. 2251 <i>Gladiolus glaucus</i> . Ic. 550. C.G. 2256/2 <i>Cyanella lutea</i> . Ic. 552.
156	At Mashowa [Mashowing R.] Litakun	6—8. 9. 1812	2252/1—2252/6 2253—2256	
	Litakun	9. 9. 1812	2256	
156	On the Rocky Ridge at Litakun . .	11. 9. 1812	2257—2265	C.G. 2265 <i>Acacia robusta</i> .
156	Between Litakun and the stone buildings of the ruinous town on the Moshza River.	15—18. 9. 1812	2266—2272	C.G. 2268 <i>Aptosimum depressum</i> . CG. 2270 <i>Tephrosia lupinifolia</i> .
157	At the Source of the river Moshowa [Mashowing].	27. 9. 1812	2273—2280	C.G. 2280 <i>Mahernia resedaefolia</i> .
158	Oxen Station [N.E. from Motito] . .	29. 9. 1812	2281—2289	C.G. 2282 <i>Polygonum amphibium</i> .
158—159	Mekaala Station [vicinity Battlemond P.O.].	29. 9. 1812	2290—2291	C.G. 2290 <i>Sutera atropurpurea</i> . C.G. 2291 <i>Pergularia jasminiflora</i> . Ic. 592.
159—160	Olive-tree Station [on Mashowing R.]	30. 9. 1812	2292—2316	<i>Acacia Giraffae</i> ; <i>Acacia elephantina</i> .
160—161	Last-water Station [Walls on Lolwaning Laagte].	1. 10. 1812	2317—2330/3	C.G. 2324 <i>Vahlia</i> . C.G. 2325 <i>Lantana salvifolia</i> —fruit bearing specimen.

162	Halt.				
161—163	Desert Station	2.10.1812	2331—2340	C.G. 2333 <i>Mahernia grandiflora</i> var. <i>Burchellii</i> , Bot. Reg. t. 224. C.G. 2336 <i>Crotalaria spartioides</i> . C.G. 2341 <i>Gladiolus</i> (Tritonia).	
163—164	Giraffe Station [S. of Ewbank's Stores]. In a walk from Station to N.E. ..	3.10.1812	2341—2349		
165	Chué Spring [Heuningvlei]	4.10.1812	2350—2361		
	On the Mountain [Makuba Range]	6.10.1812	2362—2377	C.G. 2365 <i>Hibiscus</i> . C.G. 2378 <i>Waltheria conger</i> . <i>W. indica</i> , leaves used by Bushmen for snuff.	
166	On the rocks at Chué Spring ..	7.10.1812	2378—2391	C.G. 2389 <i>Ceratotheca triloba</i> . Ic. 570.	
	On the Maadje Mts. [Makuba Range] by the Chué Spring.	18.10.1812	2392—2396	C.G. 2398/2 <i>Cucumis</i> , Eph. 80.	
			2398/2		
165	On the Rocks at the Spring ..	27.10.1812	2397—2398/1	C.G. 2397 <i>Acacia heteracantha</i> . C.G. 2398/2 <i>Rhigozum spinosum</i> .	
165—167	Terminalia Station	27.10.1812	2399, 2400	C.G. 2399 <i>Terminalia sericea argentea</i> 15—20 ft. high Eph. Bot. p. 36.	
167—168	Hot Station [on Mashowing R.] ..	28.10.1812	2401—2405	C.G. 2402/3 <i>Acacia giraffæ</i> , Eph. Bot. p. 37.	
169—170	Between Royena Halt [Holt] and Sand Station	30.10.1812	2406—2409	C.G. 2408 <i>Lessertia macrostachya</i> . C.G. 2409 <i>Royena</i> .	
170—171	Between Sand Station and Kuru [near Yaalkop]	31.10.1812	2410—2413	<i>Acacia elephantina</i> , <i>Cissampelos</i> , <i>Convolvulus</i> , <i>Vahlia</i> .	
172	Broku's Kraal	1.11.1812			
	Sikuohu Station [on the Matlowing R. near Tsenin]	2.11.1812			
172—173	Patani [near Lower Ditkgation Store]	6.11.1812	2414—2415	C.G. 2414 <i>Bauhinia esculenta</i> is Tama of Bechuanaland. Burchell says it was hitherto unrecorded.	
		9.11.1812	2416	C.G. 2416 <i>Ceropegia</i> —"a new genus." <i>Cat. Geog. Euclea myrtina</i> at Mokaala Grove.	
174	Mokaala Grove [near Kuruman R. vicinity of Gamopedi Mt.].	13.11.1812			
175	Pitfall Station [near Gamopedi P.O. and Store N.W. of Batlaros Mission].	15.11.1812			
176	Peak Station [near Kuruman Kop and ruins of old town].	16.11.1812	2417—2426	<i>Convolvulus</i> , <i>Evolvulus</i> , <i>Triaspis</i> , <i>Campanula</i> .	
176—177	Little Klibbolikhenni [Oogkop] .. (142).	17.11.1812	2427—2435	C.G. 2430 <i>Dipyxis</i> . Ic. 594. " <i>Dipyxis</i> is the same genus as <i>Bolivaria</i> in Linnea, Vol. I, t. 4." <i>Eph.</i> , p. 39.	

Sheets 7A and 4.—From vicinity of Kuruman to vicinity of Petrusville. Divisions of Kuruman, Hay, Hopetown, Philipstown.

Map Ref.	Place.	Date.	Herb. Nos.	Remarks.
177	Klibbollikhonni [2 miles east of Little Klib. and Sources of Kuruman R.].	18.11.1812	2436—2451	C.G. 2444 <i>Asclepias Raphionacme</i> : at the Spring.
		20.11.1812		
		24.11.1812		
177—152	In walk from Klibbollikhonni to the Garden (152).	25.11.1812	2452—2481	Along the Plain.
		27.11.1812	2482—2485/1	C.G. 2456 <i>Dianthus</i> .
		1.12.1812	2485/2	C.G. 2459 <i>Oxygonum calcaratum</i> .
177—178	In a walk to, and on a black rocky hill under the Kamhanni Mts. [Kuruman Hills] Fig-tree Rock.	12.12.1812	2486—2495/2	C.G. 2486/2 <i>Pascanthus repandus</i> . Ic. 599. C.G. 2489 <i>Xymelobium cusifolium</i> . Ic. 598. C.G. 2493/2 <i>Croton gratissimum</i> . Ic. 602—details.
177	Klibbollikhonni	14.12.1812	2496—2499	C.G. 2498 <i>Macropetalum strictum</i> . Ic. 601.
		15.12.1812	2500—2507	
177	Little Klibbollikhonni [Oogkop] ..	16.12.1812	2508—2524	<i>Asclepias, Equisetum, Crotalaria.</i>
177—179	Kosi Fountain (140)	20.12.1812	2525—2548	C.G. 2532 <i>Amaryllis coranica</i> . Bot. Reg. 139 Ic.
		21.12.1812	2549—2580	C.G. 2557 <i>Althaea Burchellii</i> .
				C.G. 2576 <i>Talinum</i> . Ic. 605. <i>Eph.</i> , p. 40.
		25.12.1812	2581—2600	C.G. 2585 <i>Microloma Burchellii</i> .
				C.G. 2598 <i>Bulbostylus Burchellii</i> .
179—180	Knegts Fontain (140)	25.12.1812	2601—2608	Andropogon, Poa, Cassia.
180—181	Klip Fountain (138)	26.12.1812	2609—2617	<i>Hedyotis virgata</i> , Panicum, Monsonia.
		27.12.1812		
		29.12.1812	2618—2638	Hibiscus, Cheilanthes, <i>Lycoperdon fornicarum</i> . Ic. 606.
181—182	About Grootfontein (135)	31.12.1812	2639—2642	Scirpus.
	and Doorn River (133)	1. 1.1813	2643	C.G. 2643 <i>Calendula</i> .
183	Ongeluk's Fontein (132)	1. 1.1813	2644—2649	C.G. 2648 <i>Zannichellia palustris</i> .
		3. 1.1813		
184	Mosee' Fontein (131)	4. 1.1813		

Burchell's note in *Cat. Geog.*: "All the above specimens were scattered by a whirlwind on 30.1.1813 and were mixed with one another, but have been since, in England, restored to their proper order."

185	Klaarwater,	4—18.	1.1813		
186	Hottentot Kraal [near Elandsfontein]		18. 1.1813		
187	Zand River [near Riechter's Poort]		20. 1.1813		
188	Beesfontein [Bees Pan]		21. 1.1813		
189	The Ferry—N. side of Orange R. [Zak Drift in Lanyon Vale].	22—27.	1.1813		
	S. side of the River		27. 1.1813		
190	Kowkown Ford [Sandfontein]		5. 2.1813		
191	Brakke Fonteyn		8. 2.1813	2650	
192 a	First station on West bank of Nu-Gariep (Orange) [near Kameel- drift].	9—11.	2.1813	2651, 2652	
192 b	Salt Pan Station [near Amankop]	11—14.	2.1813	2653—2655	
193	The Narrows [Brandfontein N.W. Hopetown].		14. 2.1813	2655/2	
			15. 2.1813		
194	Juli's Station [near Old Drift— Hopetown].		15. 2.1813		
195	Amaryllis Station [Lilydale].		17. 2.1813	2656—2663/2	
196	Hippo Station [near Sand Draai]		24. 2.1813	2664	
		21—27.	2.1813	2665—2668/2	
197	Wild Boar Station		27. 2.1813		
198	Cross Mountain [Fluitjies Kraal]		28. 2.1813	2669—2673	
198—199	Puff Adder [Kraanvogelfontein]		1. 3.1813	2674—2676	
199—200	Bare Station [E. of Ongefukskop]		2. 3.1813	2677—2683	

When at Klaarwater in 1813, Burchell saw cotton plants in flower. He had sowed seeds of cotton when he was on his first visit there in 1811, and was now gratified at the progress made.

During this, his last visit, he made no entries in the *Catalogus Geographicus Plantarum*.

Crossing from Kowkown Ford to his first station on the Nu Gariep (Orange) he halted at Brakke Fonteyn (191) and gathered only one specimen.

C.G. 2650 *Arctotis*—"Goudsbloem."

C.G. 2651 *Cyperus longus*; 2652 *Riocreuxia polyantha*.

C.G. 2655 *Andropogon monticola*.

C.G. 2655/2 *Uropetalum glaucum*. Bulb 48. Bot. Reg. 156.

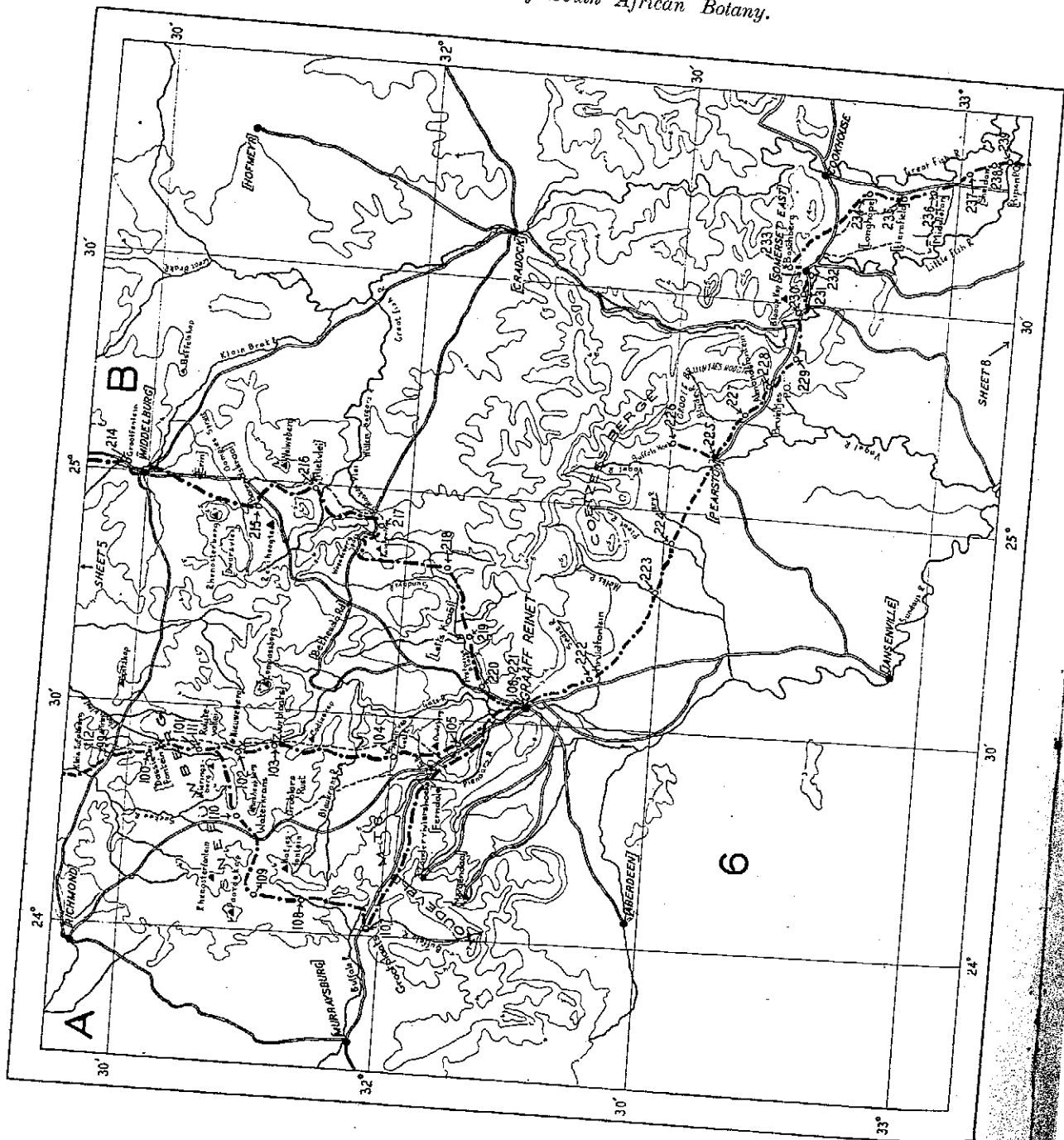
C.G. 2662 *Amaryllis riparia*. Bulb 36. The seed of this, planted in 1819 did not flower till 1854.

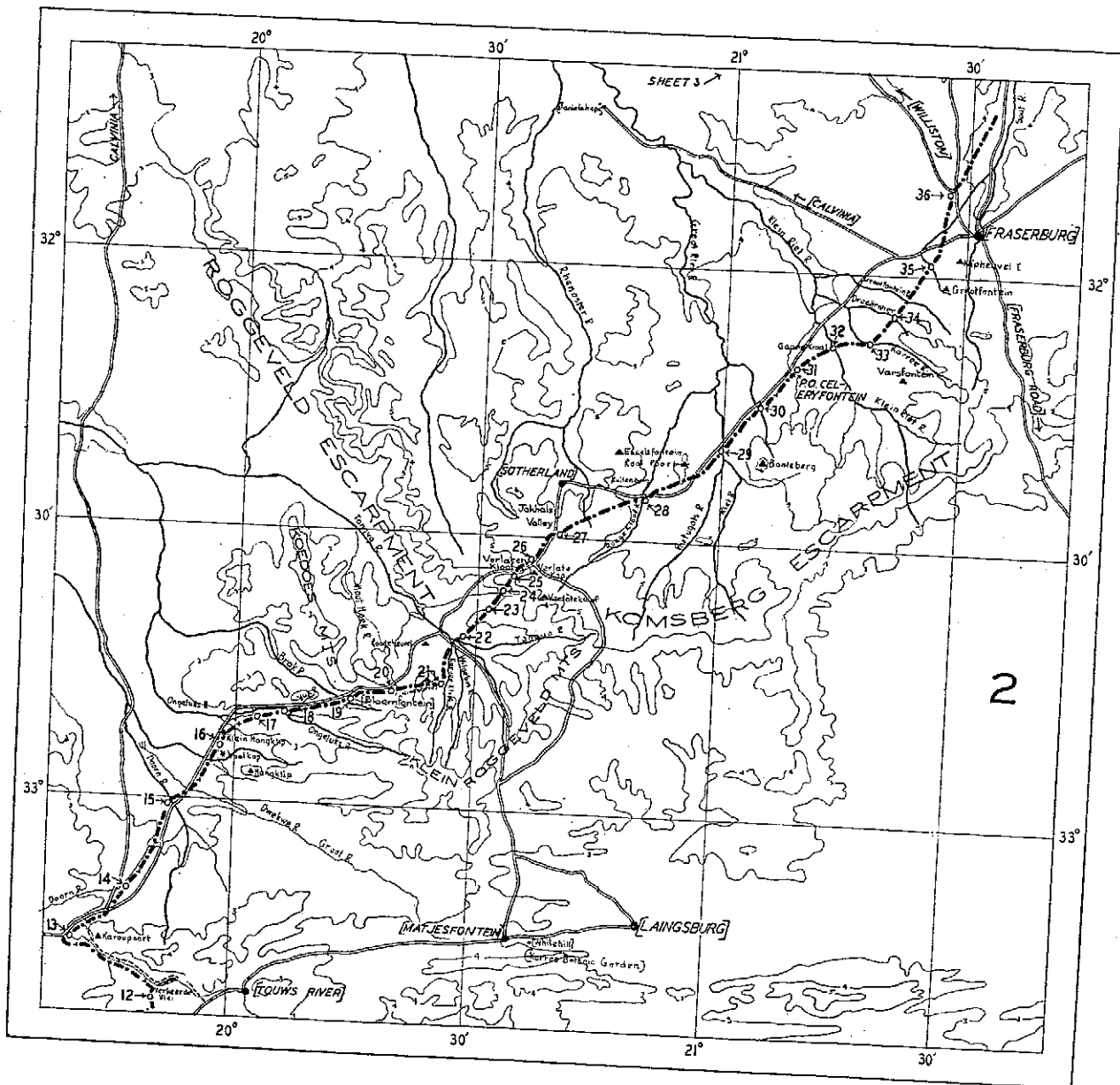
C.G. 2664 *Lavatera Julii*—*Sphoeroma Julii* Flor. Cap. I.

From his station, peaks on the east side of the river seemed to form a cross.

C.G. 2677 *Asparagus*. Ic 616. Bulb 103.

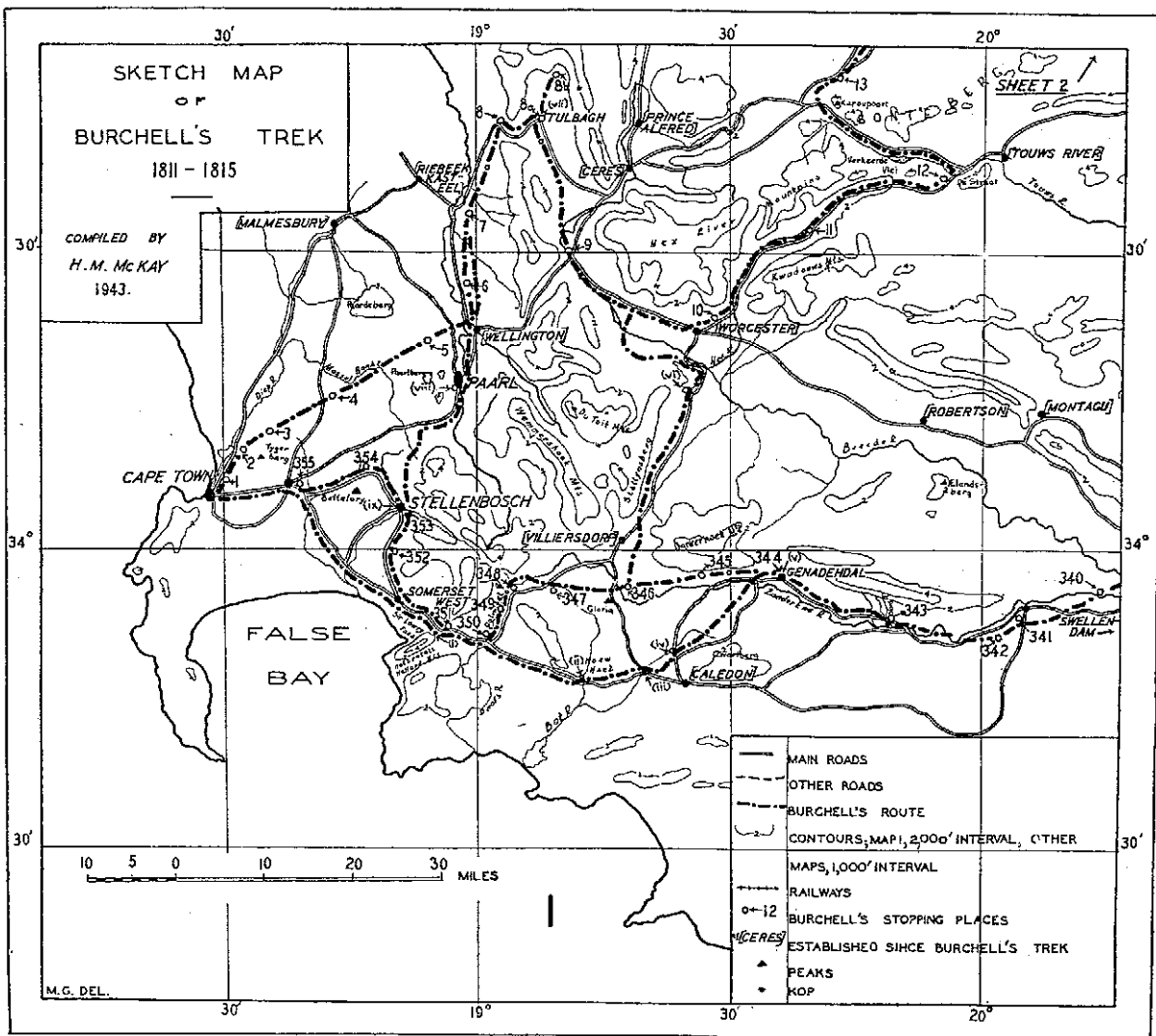
C.G. 2682 *Sutera polyantha*.

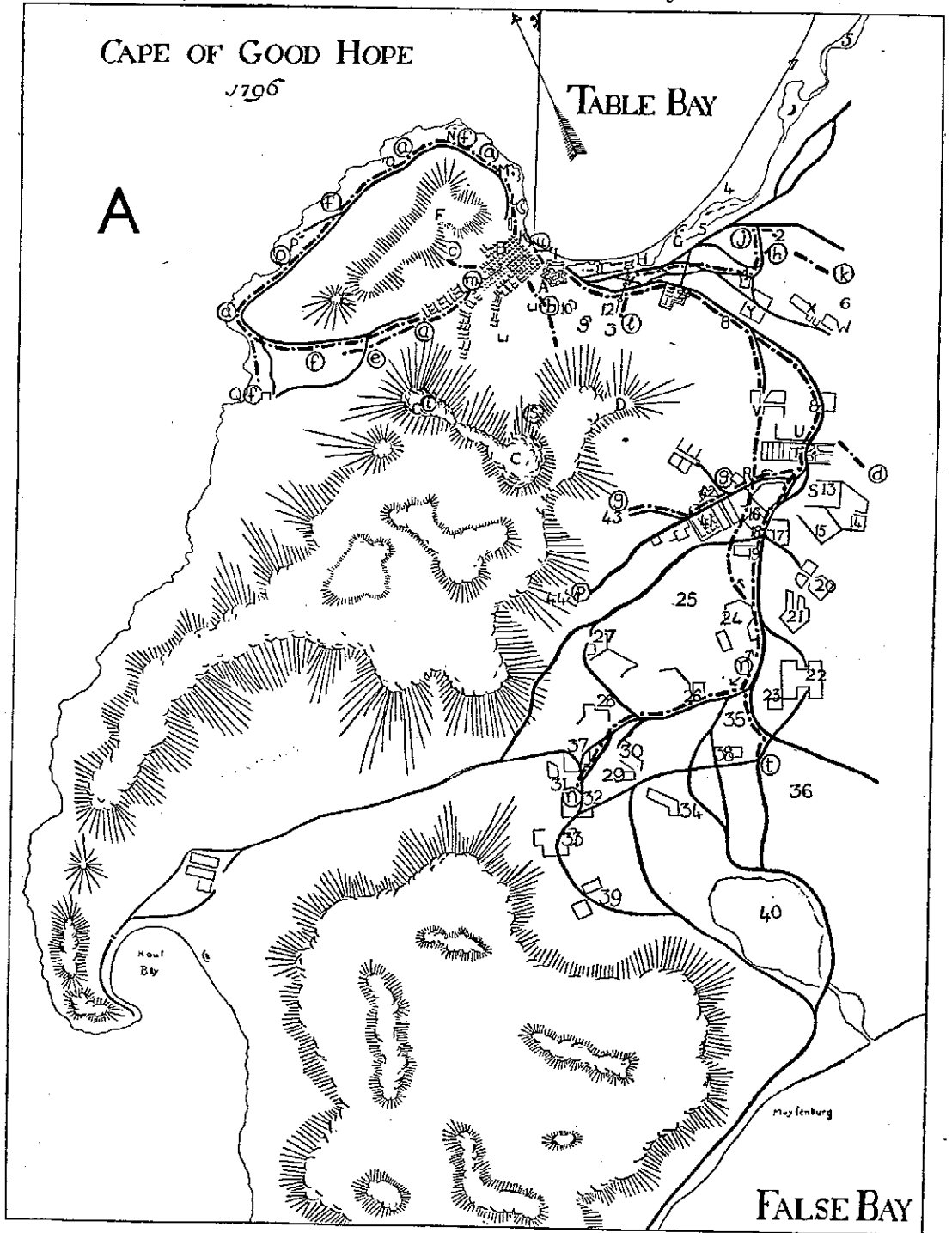


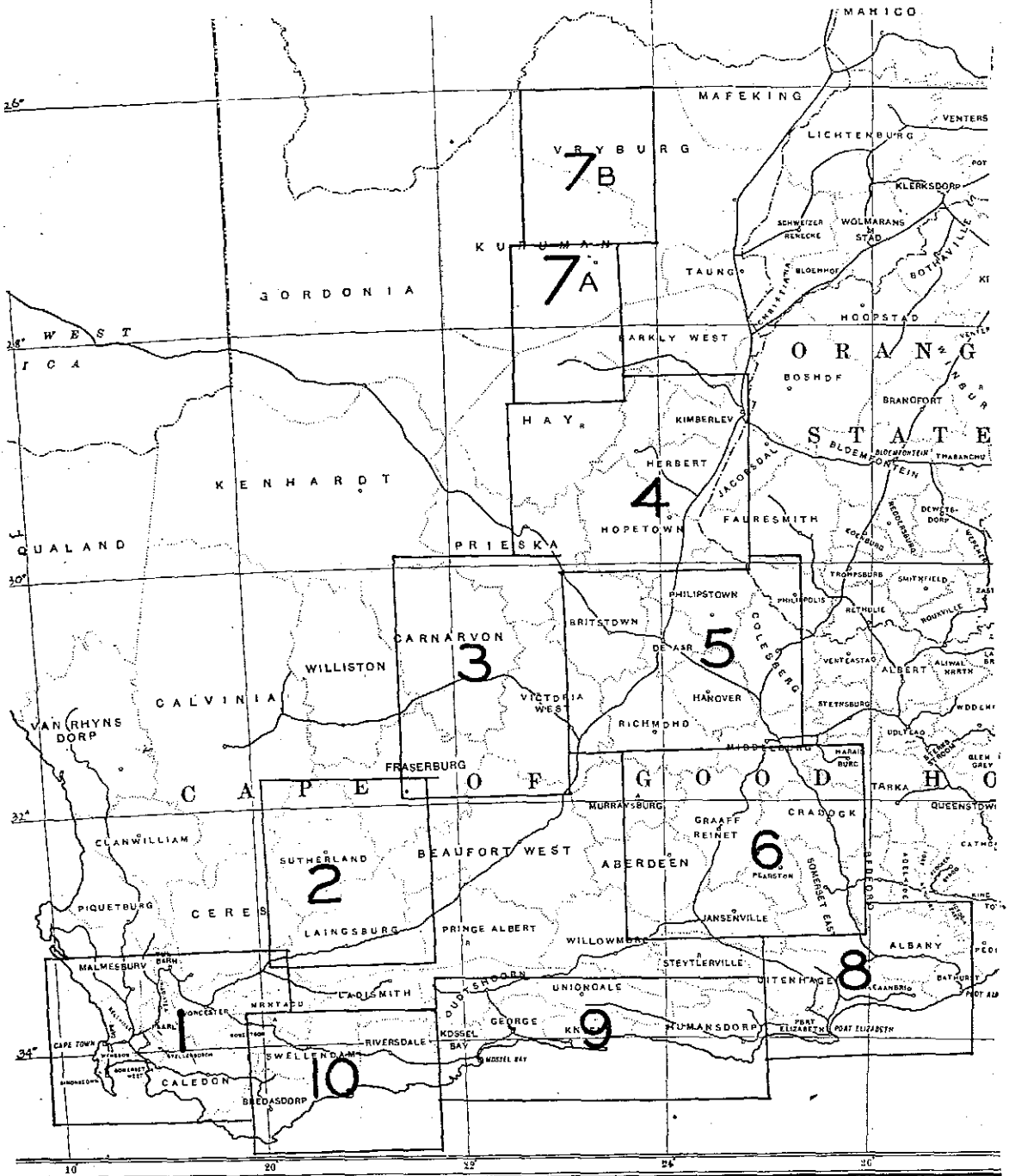


Sketch Map of Burchell's Trek.

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Key to Sectional Maps, 1-10.