

# TRANSECTS part 2    MAPS



Fig.8.



## HOW to READ the TRANSECT MAPS

Spread out over 7 transects (see overview) 51 square kilometres have been mapped according to our established vegetation units.

We have selected 7 stretches of approximately 3 kilometres in length. They are presented in a combination of an aerial photograph and a vegetation map of the same area on the same scale (1: 10,000)

### TRANSECT A

**A1** An example of the Morro grande landscape: large hills and narrow depressions with Mauritia Swamp and Mauritia Forest along small creeks.

**A2** Dotted all over this area are 'islands' of rainforest. Granitic outcrops show clearly on the aerial photo.

### TRANSECT B

**B1** This transect covers part of the 4 Gebroeders Mountain Massif. This explains the large red areas of unit 2 and the brown granitic plates.

**B2** Further to the South in this transect we encounter a large number of Paspalum albidulum hills. Both Trypsacum and Paspalum pulchellum zones are present. Mark the position of the 'Kawfutu' vegetation bordering the Mauritia Swamps.

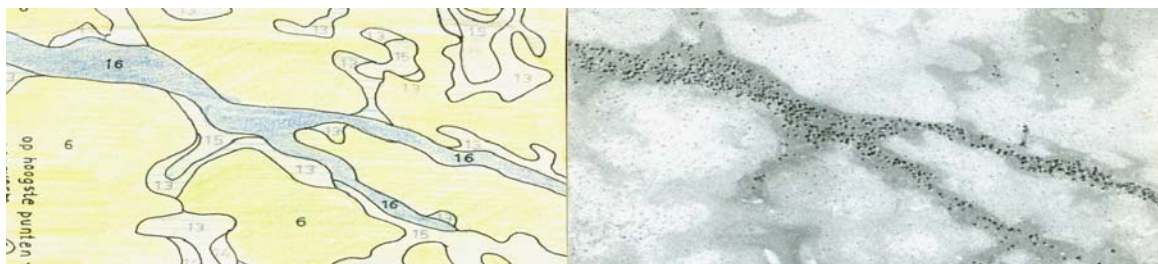
### TRANSECT C

Here Paspalum albidulum hills are intersected with meandering creeks, some with accompanying Gallery Forest (dark green). Note the typical position of the Byrsonima crassifolia Orchards at the 'head' of valleys.

### TRANSECT D

**D1** A typical Sipaliwini landscape near the Western border of the great savanna. Please take note of the extensive Axonopus gentilis zone with adjacent Kawfutu area towards the North of this segment,

**D2** The forest boundary is very clear cut thanks to the position of a large creek where savanna fires are 'stopped in their tracks'. Fragments of Paspalum pulchellum vegetation on flat valley floors are present throughout. Curatella Orchards seem to prosper close to the forest margin.



## LEGEND Transect Vegetation Maps


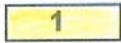




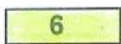




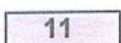

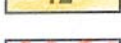

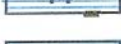
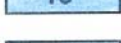
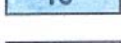
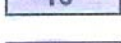
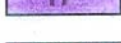
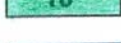
	Granitic outcrops and plates	
	Sipaliwini Hills	1.a. Dry 1.b. Moist
	'4 Gebroeders' Mountain Massif	2.a. Slope 2.b. 'Toe'
		
	Tabebuia car. Slope	
	Paspalum albidulum Hill	5.a. high hill 5.b. low hill
	Paspalum albidulum Hill	
	Schizachyrium - Dioclea Hill	
	Byrsonima crass. Orchard	
	Axonopus gentilis Zone	9.a. dry 9.b. moist
	Transition Zone with 'facies' vegetation	of Echinolaena inf. , Axonopus pub. & Helicteres pentandra
	Paspalum plicatulum Zone	11.a. Psidium guianense var. 11.b. High creek bank var. 11.c. Tabebuia car. Orchard var.
	Curatella americana Orchard	
	Trypsacum dactyloides 'facies'	
	Paspalum pulchellum Zone (clay)	Rhynchospora graminea var.
	Paspalum pulchellum Zone (sand)	Bulbostylis lanata var.
	Kawfutu' vegetation in Transect B	
	Mauritia flexuosa Swamp	
	Mauritia flexuosa Forest	
	Tropical Rainforest + 23 Gallery Forest	
	Kawfutu' vegetation (except in transect B)	

Fig.9.

## **EXPLANATION of LEGEND Units (Fig. 9)**

In broad outline the Legend Units, applied to map out the transects, are in accordance with the formations described in 'Ecological Investigations ...' (EI) and the vegetation units or plant communities in 'The Vegetation of the Sipaliwini Savanna...'(VS).

For every single Legend Unit we mention three conspicuous plant species used as 'markers' for filling in our transect maps in the field.

At the same time we refer to relevant pages from the two articles mentioned above ( See section 'VEGETATION' elsewhere on this site).

### **0. Granitic Outcrops and Plates**

*Furcraea foetida*, *Melocactus* sp., *Philodendron acutatum*.  
(EI 22,23)

### **1. Sipaliwini Hills**

*Bulbostylis spadicea*, *Salvertia convallariodora*, *Paspalum contractum*.  
( EI 17,18 + VS 4-6)



### **2+3. 4Gebroeders Mountain Massif**

*Raddiella nana*, *Himatanthus articulatus*, *Roupala montana*.  
(EI 21,22)

### **4+11c Tabebuia Orchard**

*Tabebuia caraiba* (dense stand), *Paspalum plicatulum*, *Eriosema violaceum*.  
(VS 8)

**5+6 Paspalum albidulum Hill**

*Paspalum albidulum*, *Byrsonima verbascifolia*, *Rhynchospora globosa*.  
(VS 5)

**7. Schizachyrium – Dioclea Hill**

*Dioclea glabra*, *Schizachyrium riedelii*, *Thrasya petrosa*.  
(often found next to retreating forest margins)

**8. Byrsonima crassifolia Orchard**

*Byrsonima crassifolia* (dense stand), *Scleria micrococca*, *Miconia alba*.  
(VS 6)

**9. Axonopus gentilis Zone**

*Axonopus gentilis*, *Leptocoryphium lanatum*, *Scleria bracteata*.  
(EI 18,19 + VS7)



**10. Transition Zone with ‘facies’ vegetation**

*Echinolaena inflexa*, *Axonopus pubivaginatus*, *Helicteres pentandra*.  
(VS 8)

**11. Paspalum plicatulum Zone**

*Paspalum plicatulum*, *Arundinella hispida*, *Melochia villosa*.  
(VS 8)

**12. Curatella Orchard**

*Curatella americana*, *Trachypogon plumosus* (both in dense stands)  
(VS 8)



**13. Trypsacum 'facies'**

*Trypsacum dactyloides* (dominant), *Cordia schomburgkii*.  
(VS 8)

**14. Paspalum pulchellum Zone (Clay)**

*Paspalum pulchellum*, *Rhynchospora graminea*, *Axonopus chrysites*.  
(EI 19,20 + VS 11,12)

**15. Paspalum pulchellum Zone (Sand)**

*Paspalum pulchellum*, *Bulbostylis lanata*, *Mesosetum tenuifolium*.  
(EI 19,20 + VS 11,12)

**15+19 'Kawfutu' Vegetation**

*Coelorachis aurita*, *Ludwigia rigida*, *Eriochrysis cayennensis*.  
(EI 20,21 + VS 9,10)

**16. Mauritia Swamp**

*Mauritia flexuosa*, *Ischaemum guianense*, *Hibiscus furcellatus*.  
(EI 20,21 + VS10)

**17. Mauritia Forest**

*Mauritia flexuosa* (high density), *Costus arabicus*, *Panicum pilosum*.  
(VS 10)

**18. Rainforest**

(EI 23,24)

**23. Gallery forest**

*Macaira pachyphylla*, *Mikania amara*, *Cassia multijuga*.  
(EI 23)



Please see next pages for Transect Maps A1 .....D2

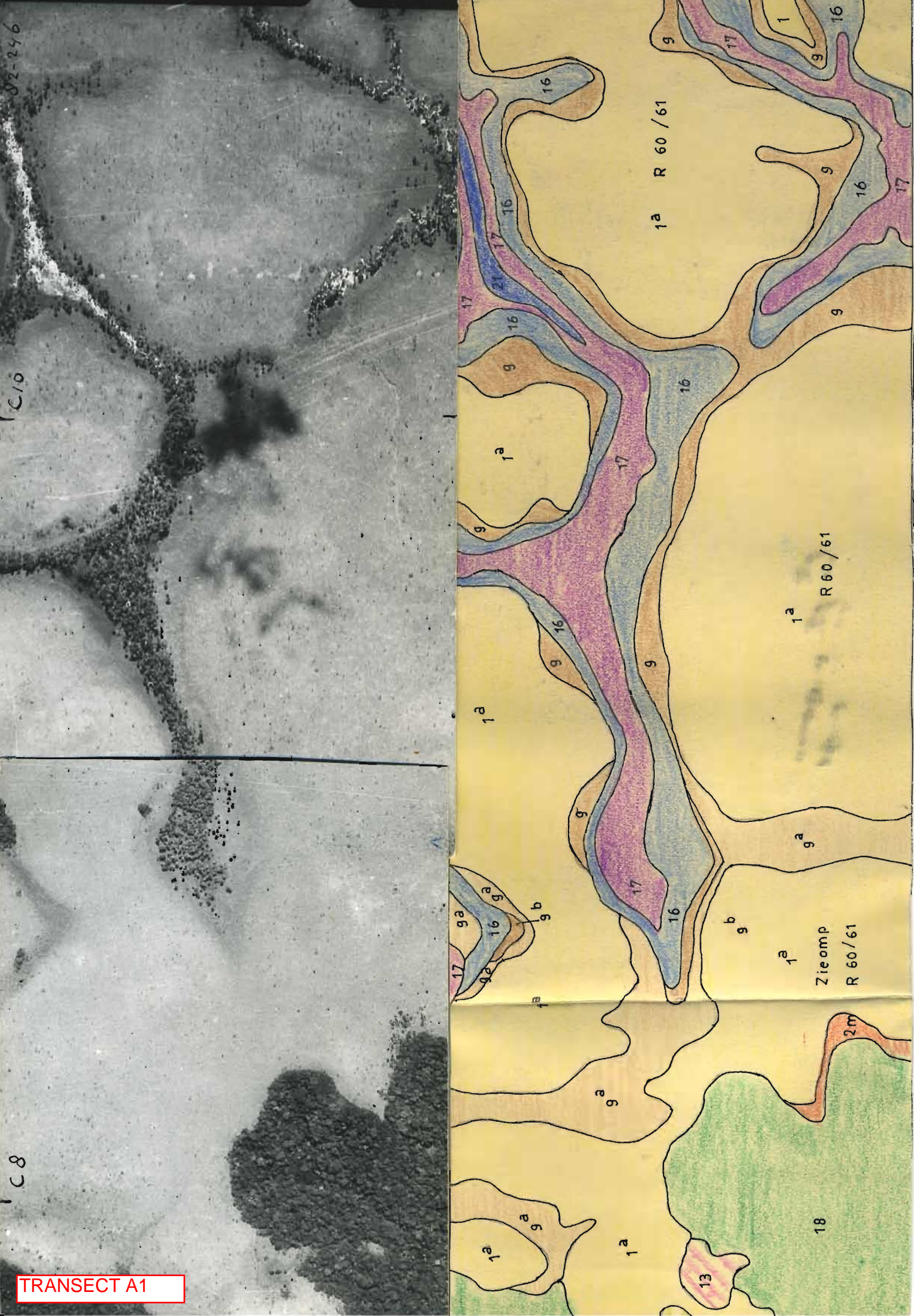


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C10

C8

TRANSECT A1







C7

8

TRANSECT A2

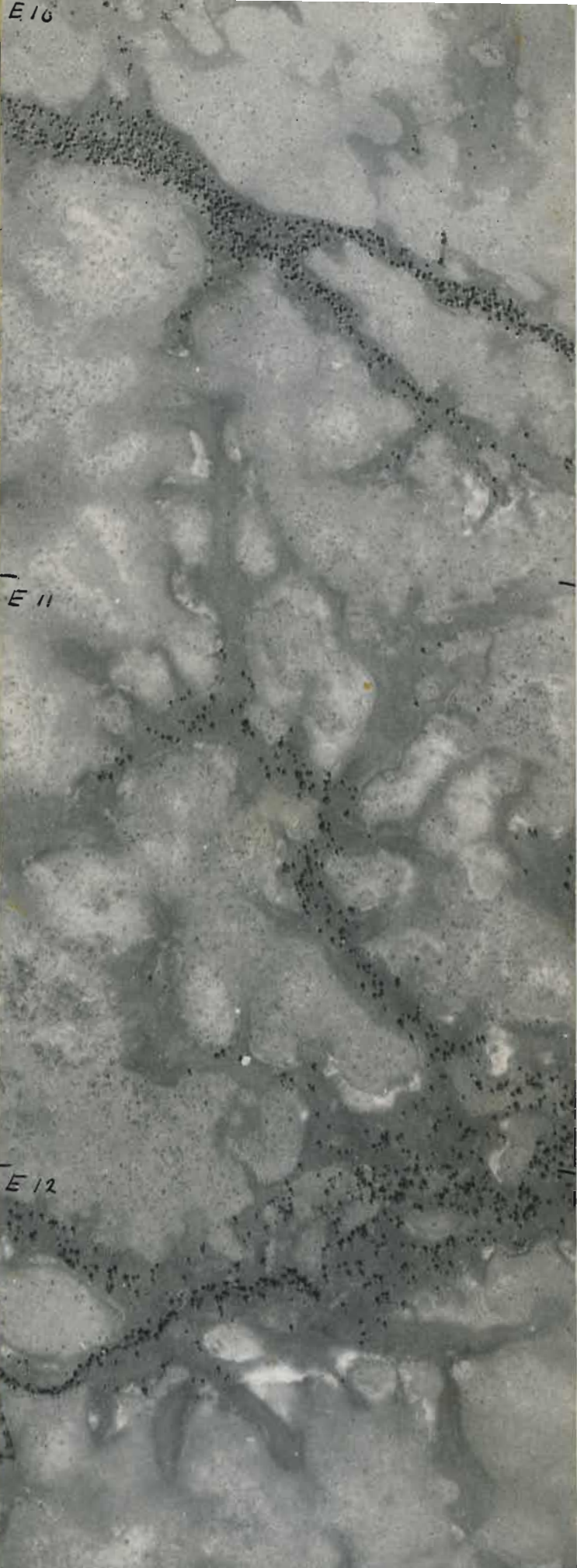
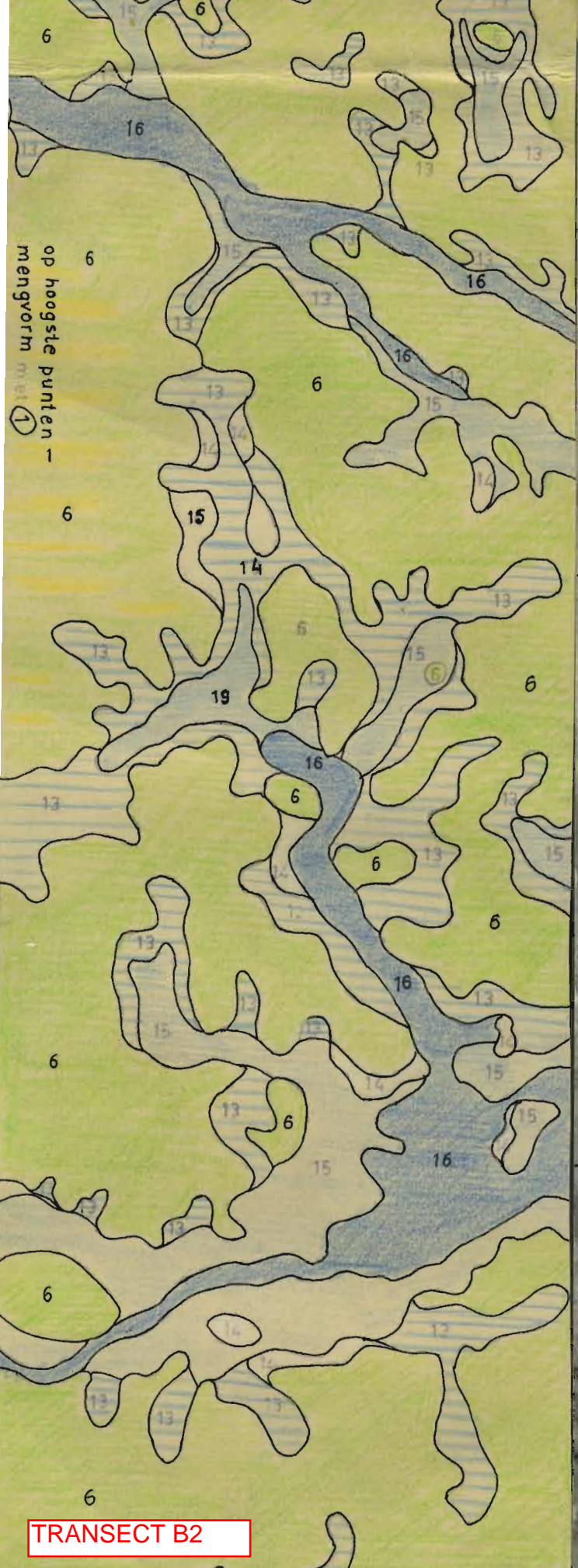
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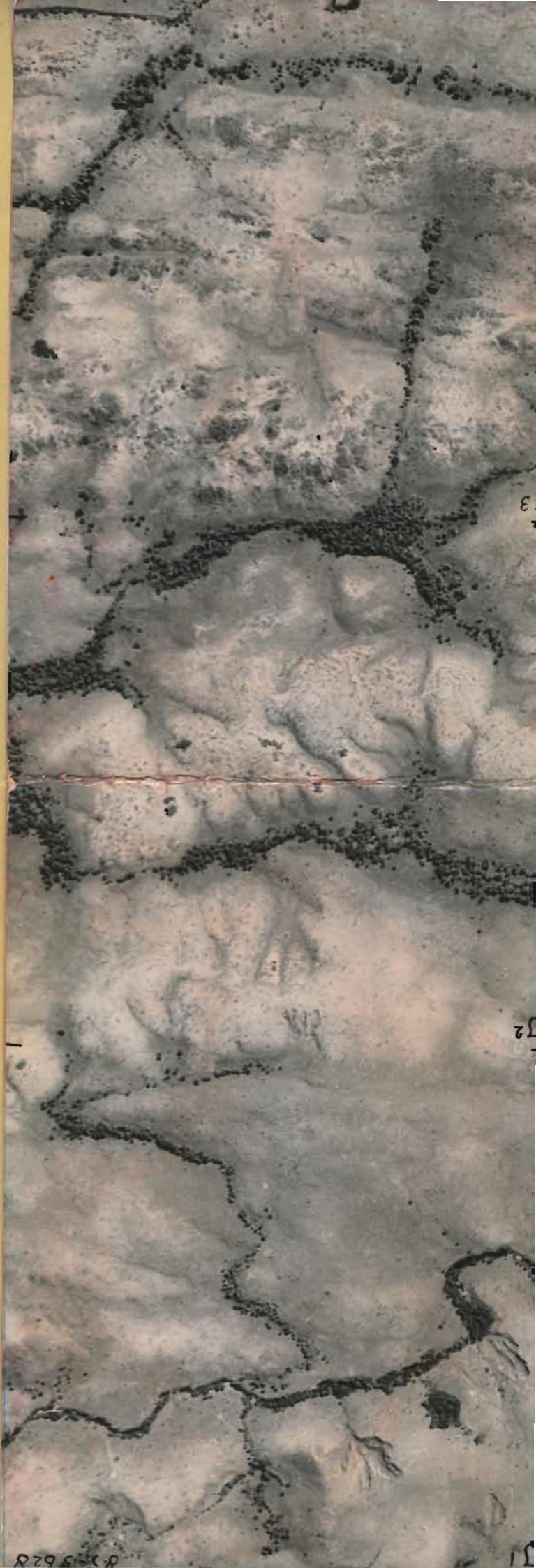
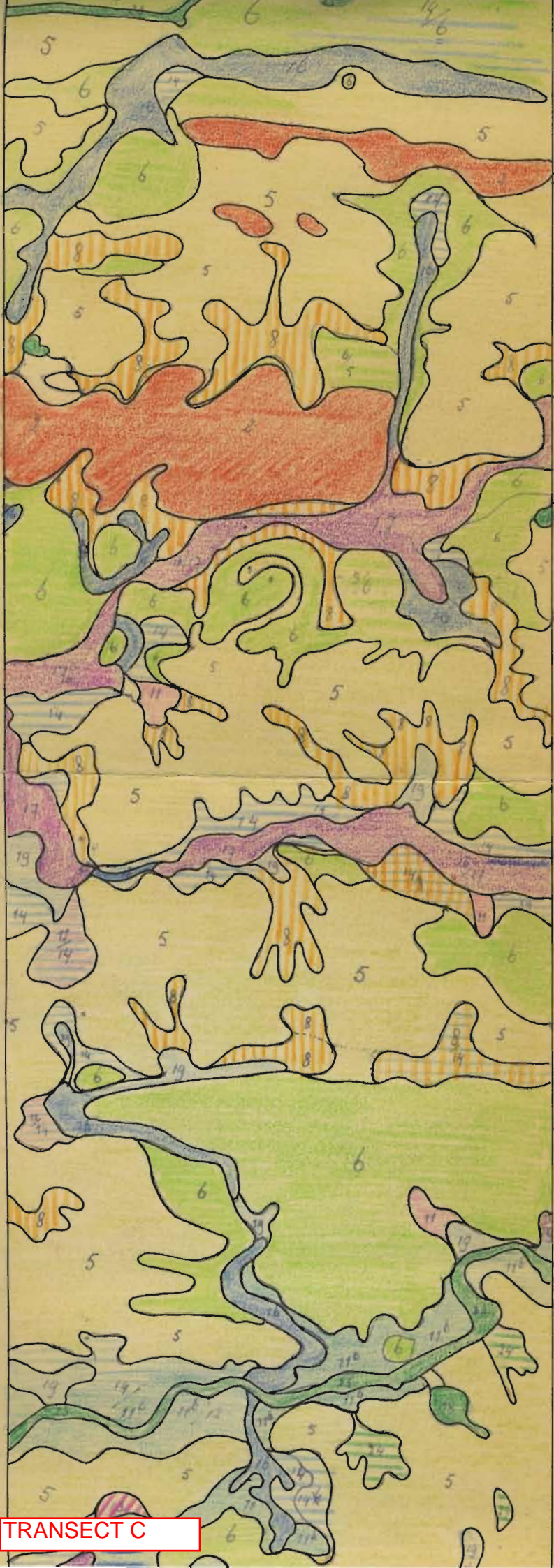
TRANSECT B1





TRANSECT B2

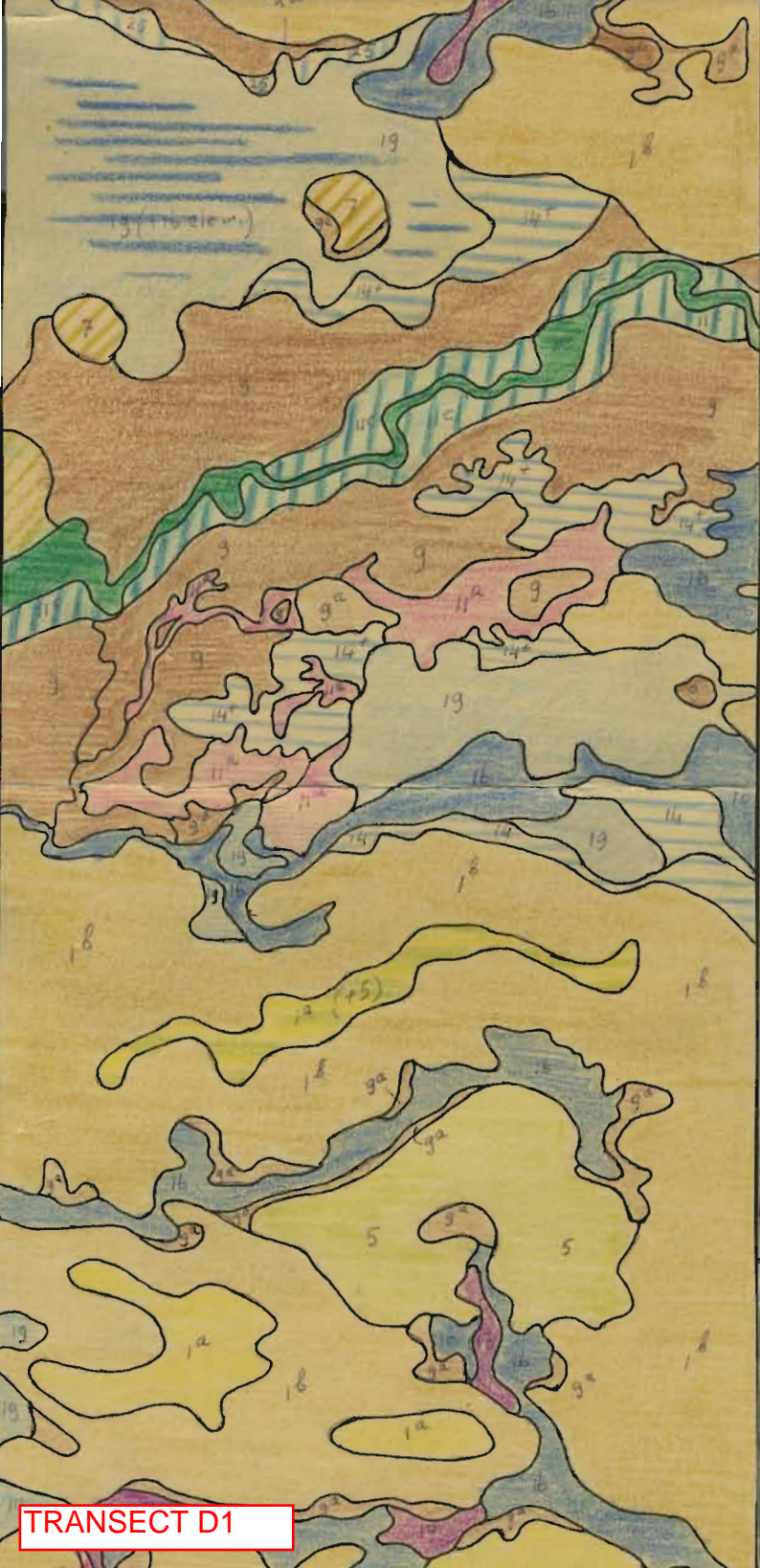




TRANSECT C

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TRANSECT D1





TRANSECT D2