

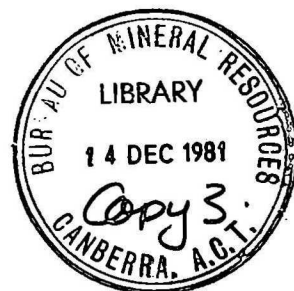
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BUREAU OF MINERAL RESOURCES, GEOLOGY AND GEOPHYSICS

RECORD

Record 1981/52

GILBERT RIVER 1:100 000 GEOLOGICAL SHEET

CATALOGUE OF PRELIMINARY FIELD DATA COMPILATION SHEETS

by

D.E. MACKENZIE and G.A.M. HENDERSON

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CATALOGUE OF PRELIMINARY FIELD DATA COMPILATION SHEETS

The following geological maps and observation point overlays reproduced at 1:100 000 scale are preliminary field compilations prepared at approximately 1:25 000 scale from colour airphotographs by the combined BMR-Queensland Geological Survey (GSQ) Croydon Geological Party during the period June to October, 1980. A brief reconnaissance of the Croydon region was carried out by D. Mackenzie and R.L. McLeod (GSQ) during August 1979, and their results are included here.

Portion of STRATHMORE 1:100 000 Sheet adjoining the northwestern corner of GILBERT RIVER, west of the Gilbert River was also studied during the 1980 survey. This work was compiled from black-and-white RC9 airphotographs at approximately 1:86 200 and although not presented here, is incorporated in the 1:100 000 scale special Preliminary edition map 'Geology of the Gilbert River Region' due for release in December, 1981.

Petrographic and other laboratory studies are in progress, and may lead to some changes being made to these maps. Any changes will be incorporated in 1:25 000-scale (approx.) transparencies held by the Australian Government Printer, and in the 1:100 000-scale Preliminary edition map.

Notification of any errors or omissions in these maps, and supply of any information to improve the Preliminary edition map would be greatly appreciated, and should be communicated to the Director, BMR, PO Box 378, Canberra City, ACT 2601.

Copies of the maps that follow, but at 1:25 000 scale, are available from the Copy Service, Australian Government Printer (Production), GPO Box 84, Canberra, ACT, 2600.

INDEX TO ADJOINING SHEETS

DOUBLE LAGOON 7163	STIRLING 7263	ECHO CREEK 7363	CROOKED CREEK 7463	RED RIVER 7563	BLACKDOWN 7663
NORMANTON			RED RIVER		
NORMANTON 7162	BLACKBULL 7262	WALLABADAH 7362	STRATHMORE 7462	ABINGDON DOWNS 7562	GALLOWAY 7662
BROWN CREEK 7161	CORALIE 7261	CROYDON 7361	GILBERT RIVER 7461	FOREST HOMES 7561	GEORGE- TOWN 7661
CROYDON			GEORGETOWN		
IFFLEY 7160	CLARAVILLE 7260	PROSPECT 7360	ESMERALDA 7460	NORTH HEAD 7560	FORSYTH 7660

LOCALITY DIAGRAM



GILBERT RIVER

Reference

CAINOZOIC	QUATERNARY		Qha Sand, gravel, silt, mud. Modern active alluvium Qa Sand, gravel, silt, mud, some young soils. Flood plain alluvium Cze Sand, soil, colluvium, outwash fan deposits, log gravels, some laterite Czo Sand, gravel, silt, soil, colluvium. Dissected alluvium
	LATE TERTIARY		Tf Nodular ferricrete/laterite, lateritised fine log gravel or soil Td Ferruginised colluvium, alluvium, valley fill, or piedmont deposits
	EARLY TERTIARY TO LATE CRETACEOUS		KT. Poorly sorted clayey quartz sandstone, commonly pebbly, pebbly clay-rich siltstone, mudstone, conglomerate. Represents stream sediments, commonly preserved in depressions
	LATE JURASSIC TO EARLY CRETACEOUS		KJf Fine to coarse clayey lithic-quartz sandstone, commonly ferruginous and/or glauconitic; mottled purple siltstone; massive, commonly mottled soft shale/claystone, minor pebbly clay-rich sandstone, siltstone JKg Fine to coarse quartzose and clayey lithic-quartz sandstone, siltstone, shale JKy Medium to coarse, some fine quartz sandstone, kaolinitic or ferruginous in places, some cross bedding; minor siltstone, wood fragments, worm borings common at top
PALAEOZOIC	PERMIAN TO CARBONIFEROUS ?		Pib Rhyolitic ash tuff, crystal tuff, ignimbrite, minor lava and agglomerate, buffaceous sandstone, all pale buff to white Pri LINLEY RHYOLITE Rhyolitic agnimbrite, brecciated in part; rhyolitic crystal tuff; pale buff, red-brown, or bright green Ppb Pale buff to white rhyolitic agnimbrite, agglomerate, lava. Silicified wood in places at base Pw WALLYS DOLERITE Augite dolerite with minor biotite and trace of amphibole Pab Quartzose sandstone, siltstone, buffaceous sandstone, rhyolitic crystal tuff Pa Quartz cobble to boulder conglomerate, coarse quartz sandstone Pcb Quartz pebble to boulder conglomerate, cross-bedded coarse quartz sandstone Pgw AWRING GRANODIORITE Biotite granodiorite, altered in part, some disseminated chalcocopyrite Pdi LITTLE POCKET DACITE Porphyritic biotite dacite lava and agglomerate
PROTEROZOIC	MIDDLE TO LATE PROTEROZOIC		Eia Dark red-brown, variably ferruginous laminated micaceous lithic-quartz siltstone and fine sandstone, mudstone, minor shale, fine to medium orthoquartzite Eig White to pale pink or orange thick-bedded fine to coarse orthoquartzite, micaceous quartz sandstone Eic Dark red-brown, variably ferruginous micaceous lithic-quartz siltstone and fine sandstone commonly laminated, mudstone, shale, minor fine to medium orthoquartzite Eid White to pale pink, massive fine to medium-coarse orthoquartzite, rare micaceous (muscovite) quartzose sandstone
PROTEROZOIC	MIDDLE PROTEROZOIC		Egl LITTLE BIRD GRANITE: Altered porphyritic biotite granite Egn MONDA GRANITE: Fine to very fine-grained melanocratic biotite granite, granodiorite, microgranite Egc CHADSHUNT GRANITE: Porphyritic (muscovite) garnet-biotite granite with abundant metasedimentary (commonly carbonaceous) xenoliths and graphitic inclusions near margins Egm MACARTNEYS GRANITE: Slightly porphyritic (muscovite) garnet-biotite granite with abundant metasedimentary (generally carbonaceous) xenoliths and graphitic inclusions, esp. near margins; plagioclase phenocrysts Ego Very coarse to fine-grained muscovite-biotite granite, porphyritic in part; [E] greisen Egn Fine to very fine-grained granite, microgranite, commonly melanocratic Egc Very coarse to medium-grained (muscovite) biotite granite, greisen (gn)
PROTEROZOIC	MIDDLE PROTEROZOIC		
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———— Geological boundary
 ——— Fault

Where location of boundaries and faults is approximate,
 line is broken; where inferred, queried; where concealed,
 boundaries are dotted; faults are shown by short dashes

~~~~~ Shear zone

FA → Plunge of fold axis

↘ Strike and dip of strata

↘ Strike and dip of strata, dip 5° to 15°

———— Trend-line

↖ Trend-line showing dip

--- Joint pattern

———— Lineament

↘ Strike and dip of eutaxitic foliation

✕ Vertical eutaxitic foliation

● Macrofossil

—•—•— Dyke or vein; rh-rhyolite, gn-gneiss

^ Prospect

\* Mine, abandoned

\* Battery, abandoned

} airphoto interpretation

⊥ Windpump

□ Earth tank or dam

———— Secondary road

———— Minor road

----- Vehicle track

—|—|— Cattle grid; gate

• Rockfields Homestead

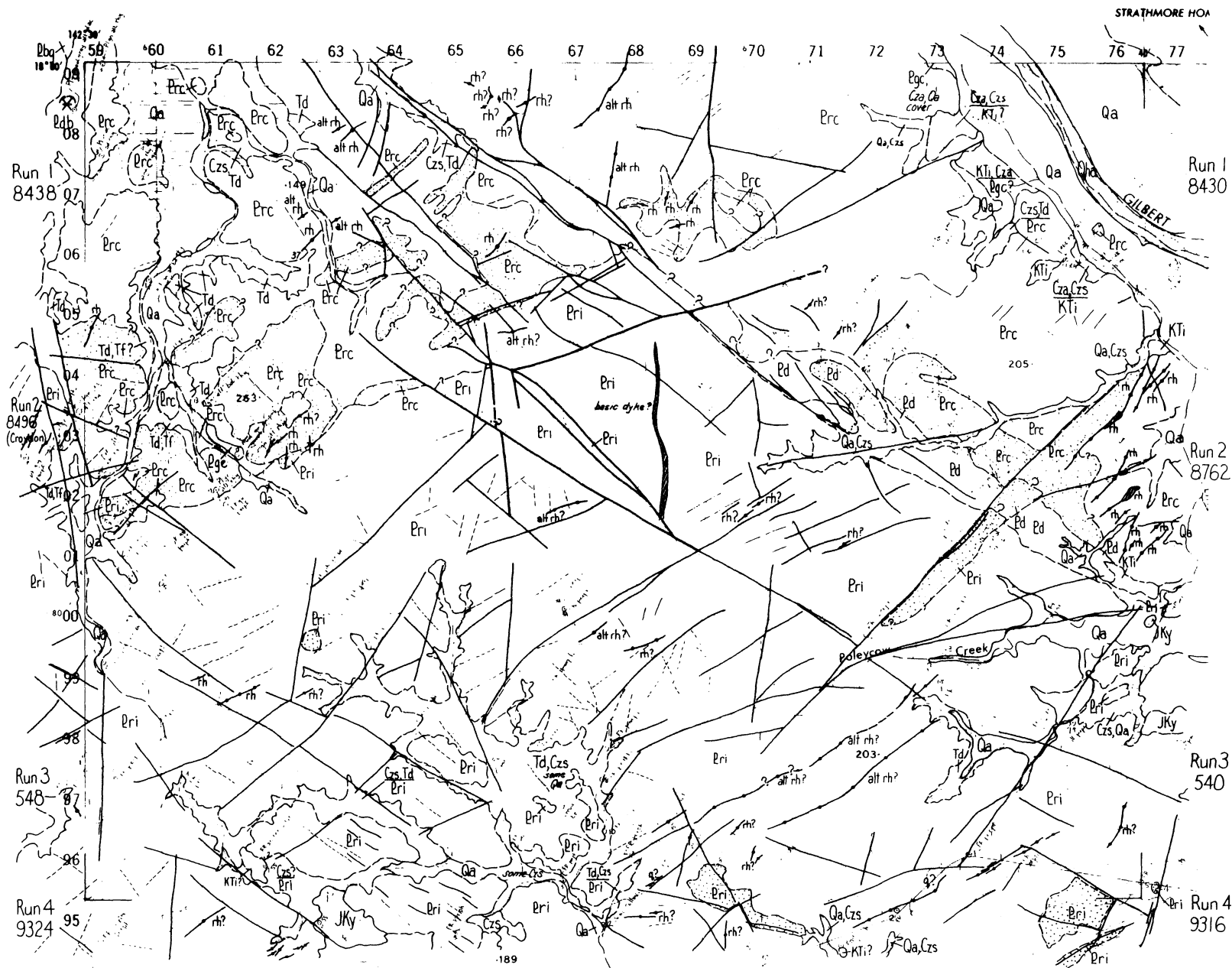
• Building

□ Yard

———— Fence

⊙ Quarry

• 233 Spot height



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GILBERT RIVER

Geology 1980 by D.E. Mackenzie, G.A.M. Henderson, B.M.R.,  
J.V. Warnick, G.S.Q.  
Compiled 1980-81 by D.E. Mackenzie, C.P. Knight

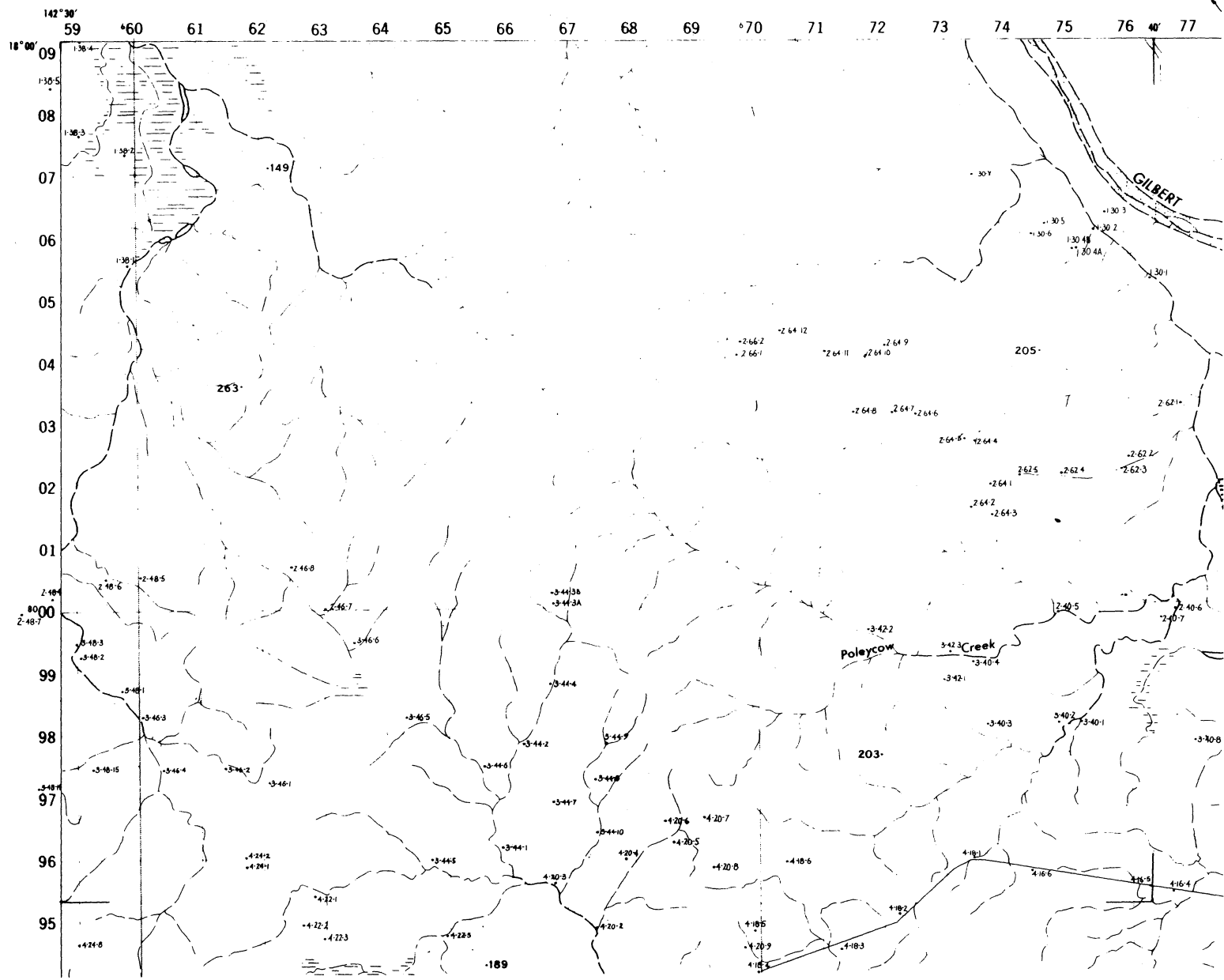
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Scale 1:100,000

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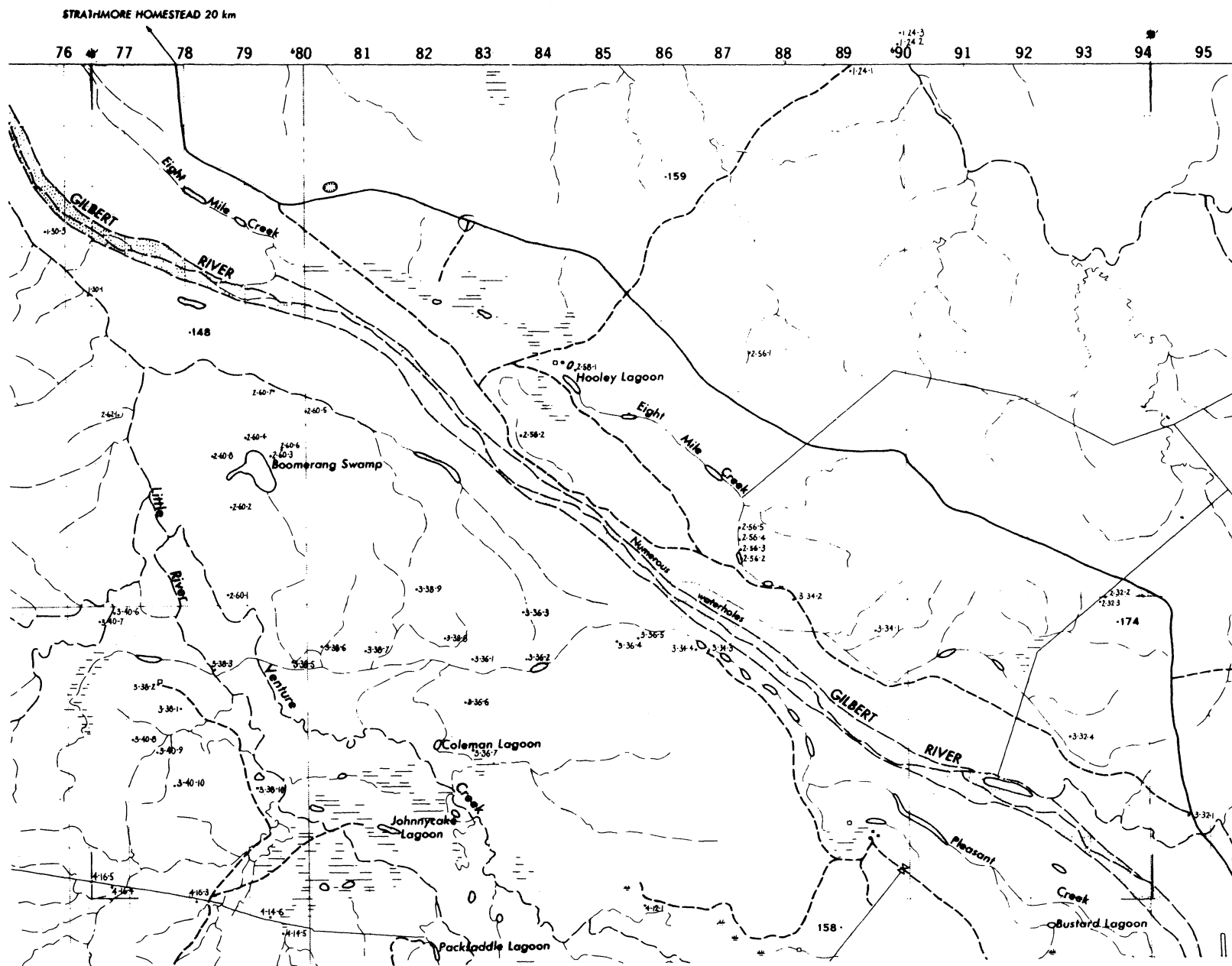
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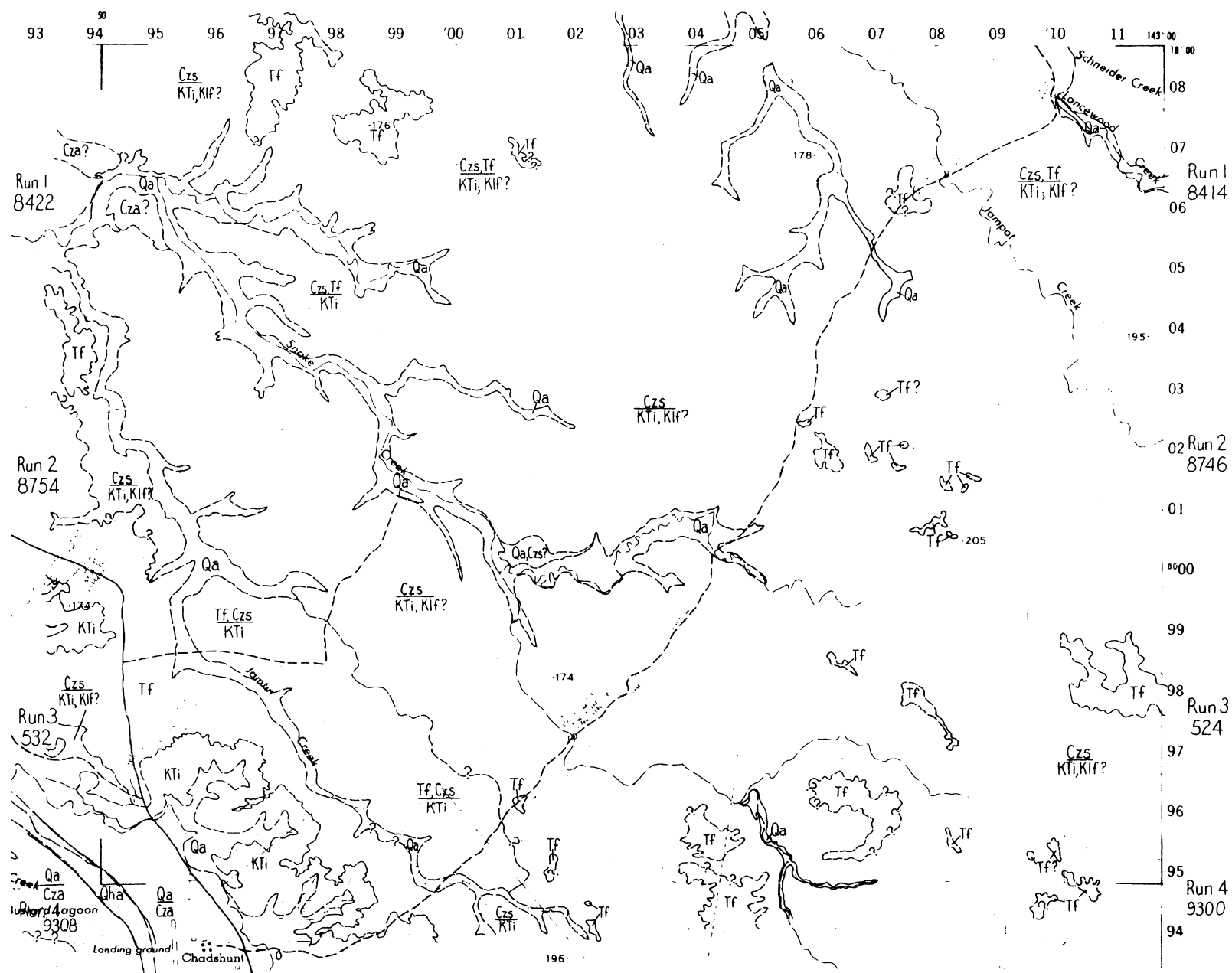
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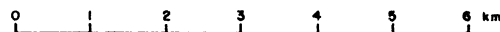
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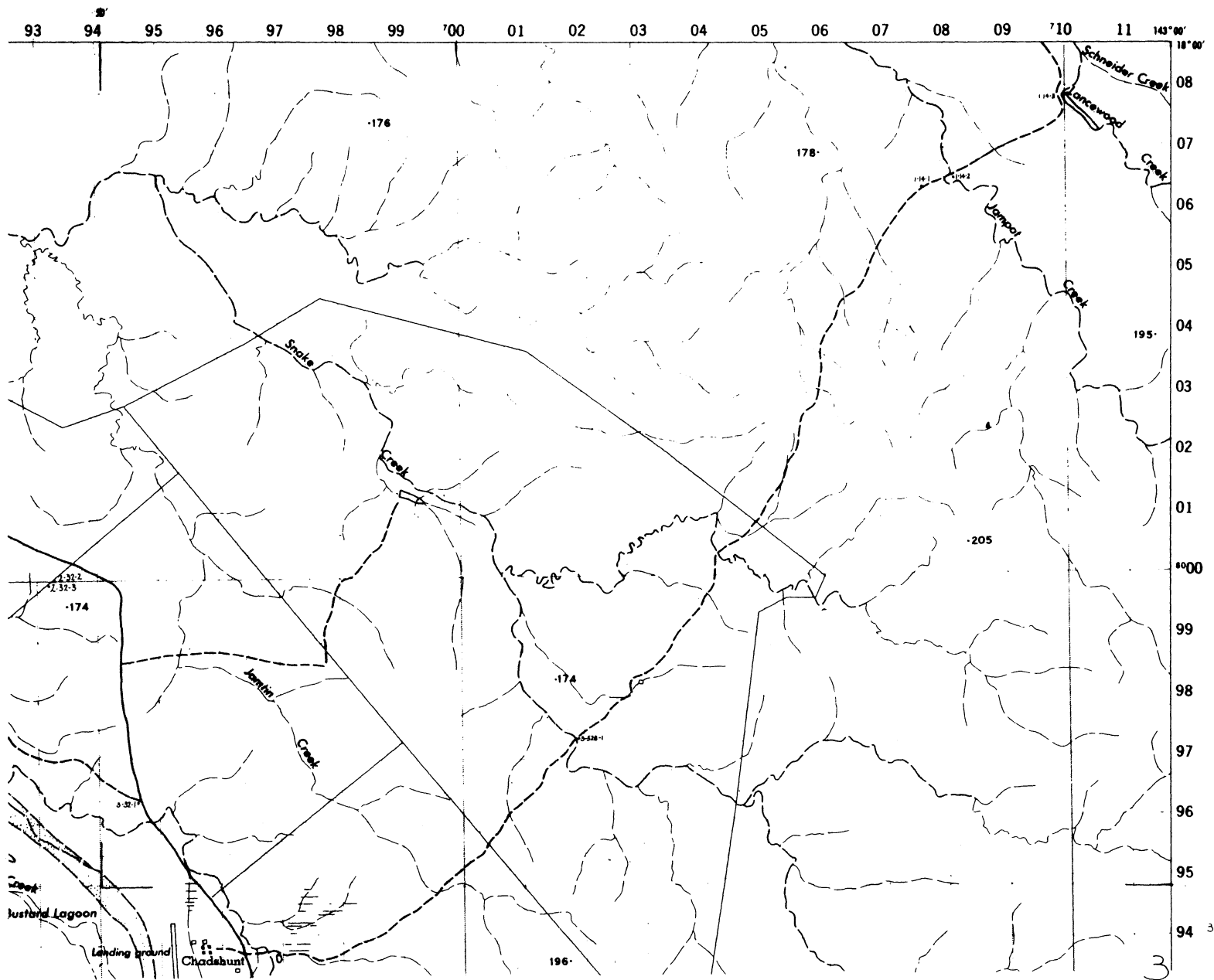
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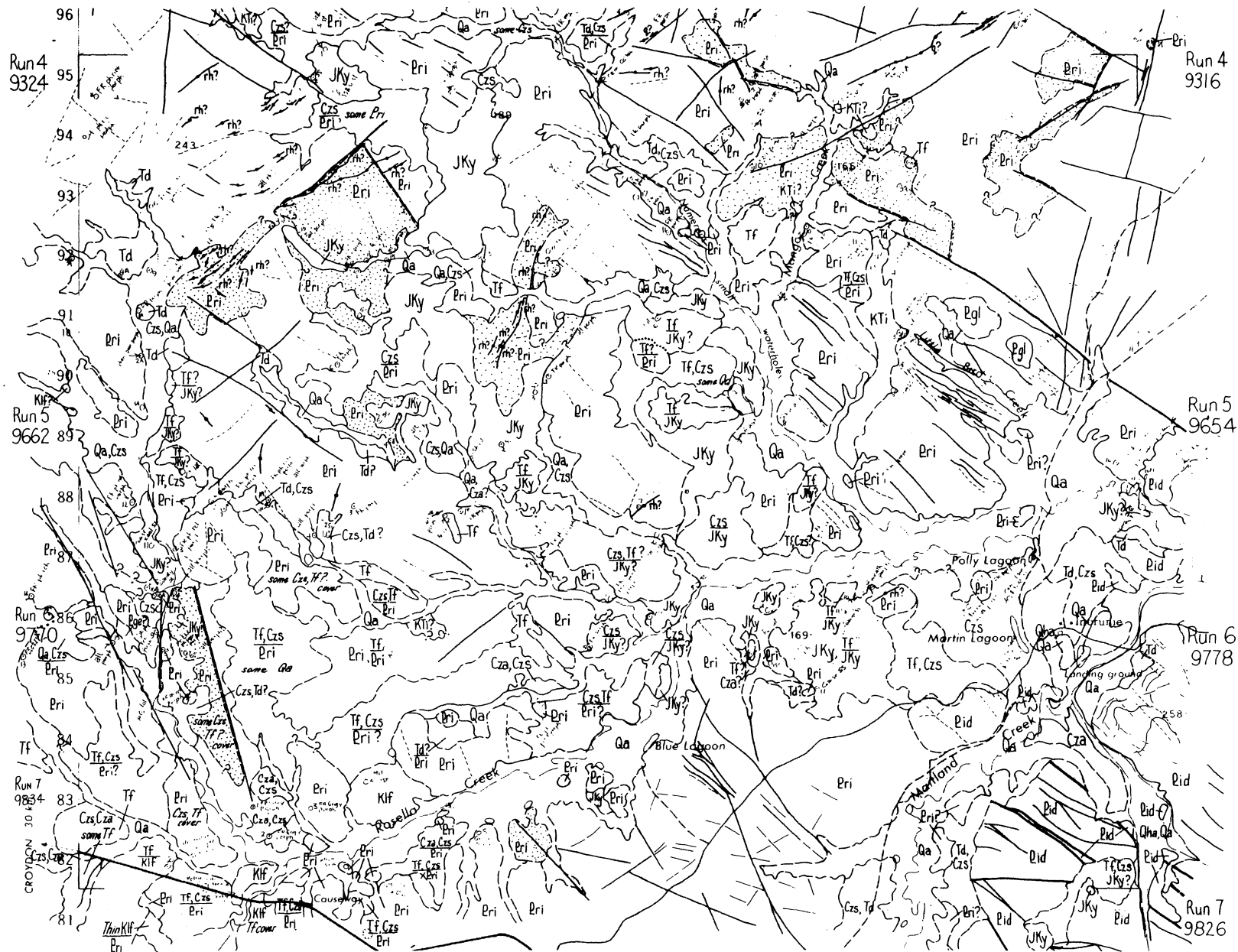
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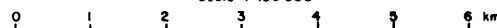
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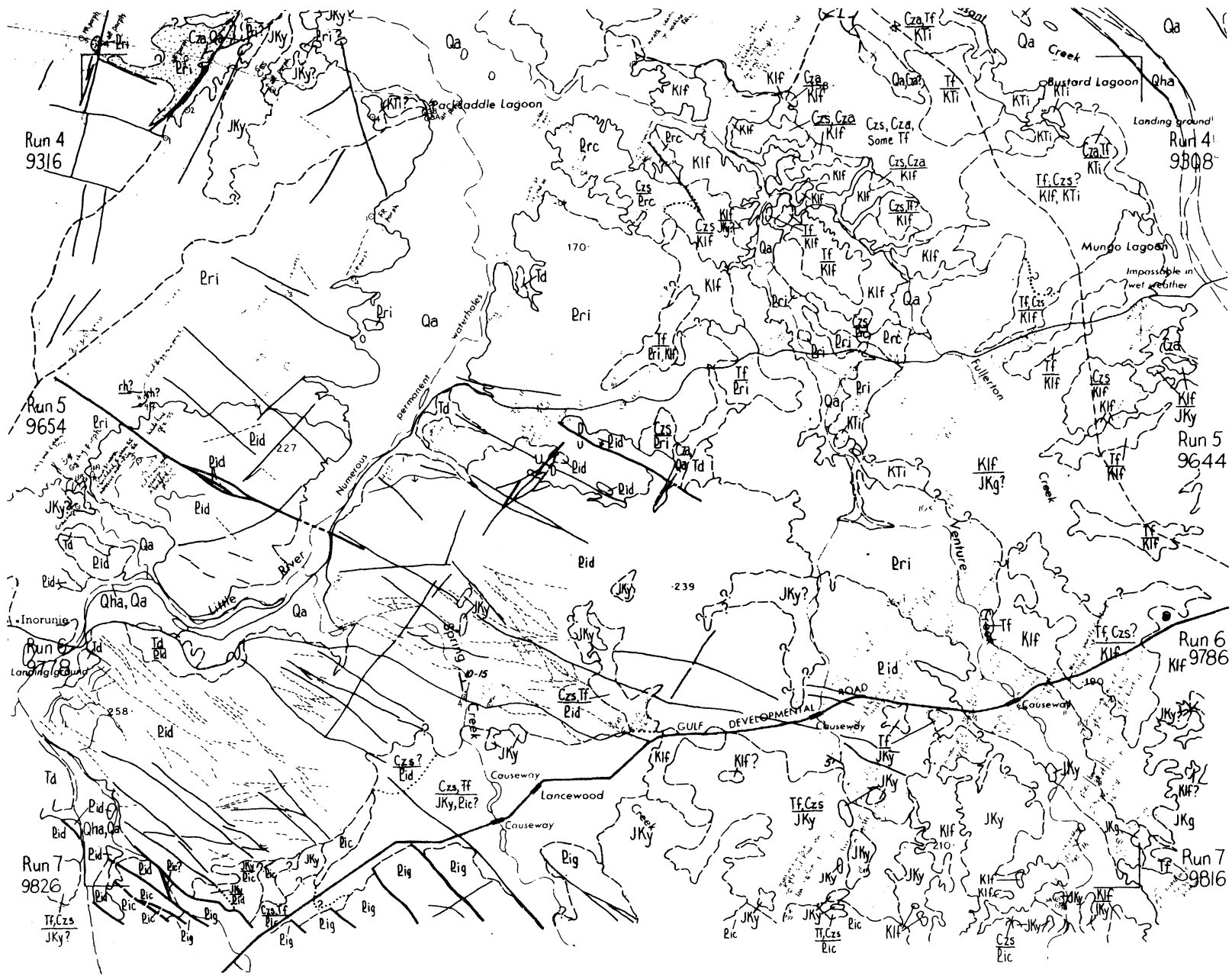
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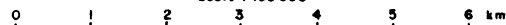
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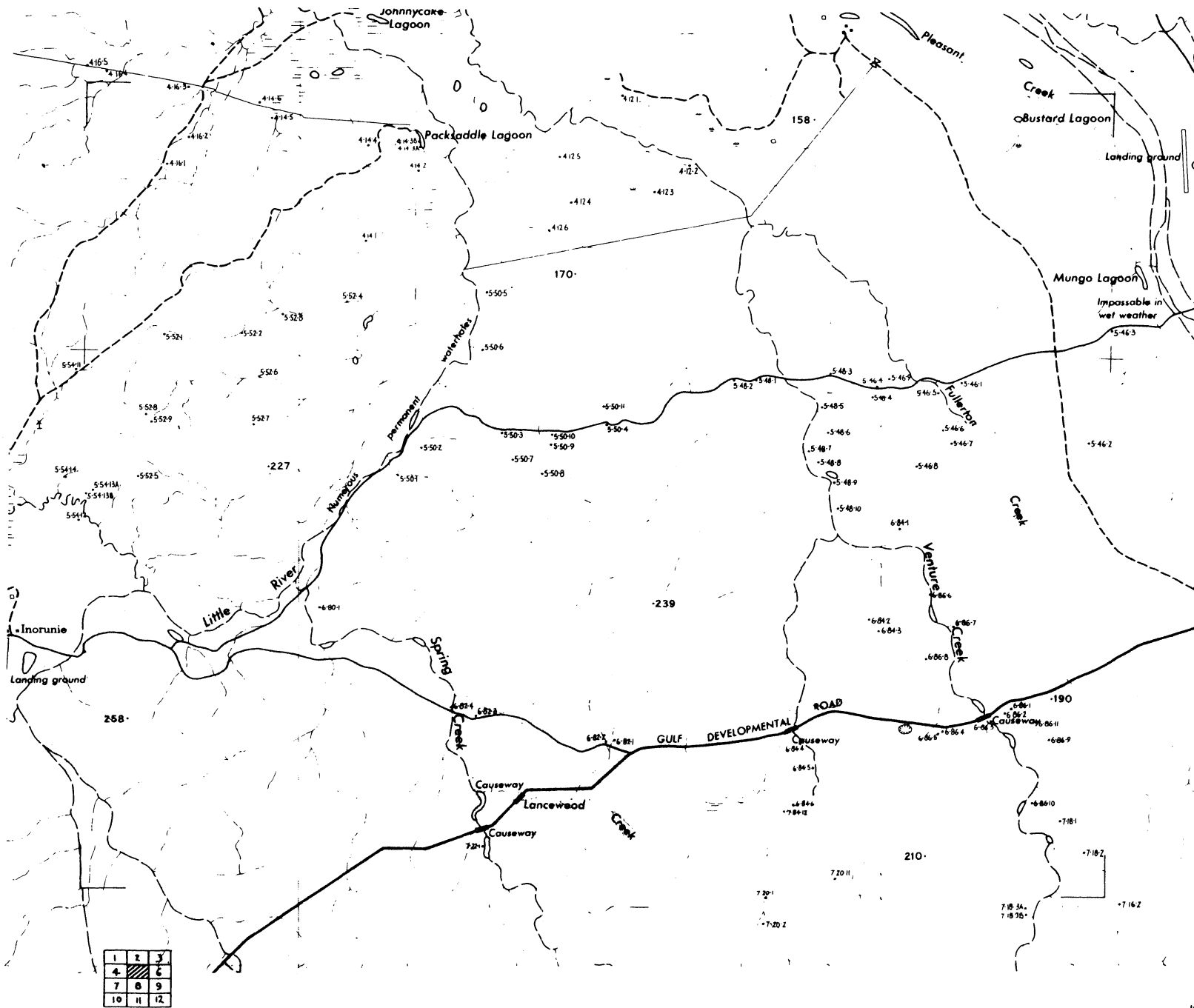
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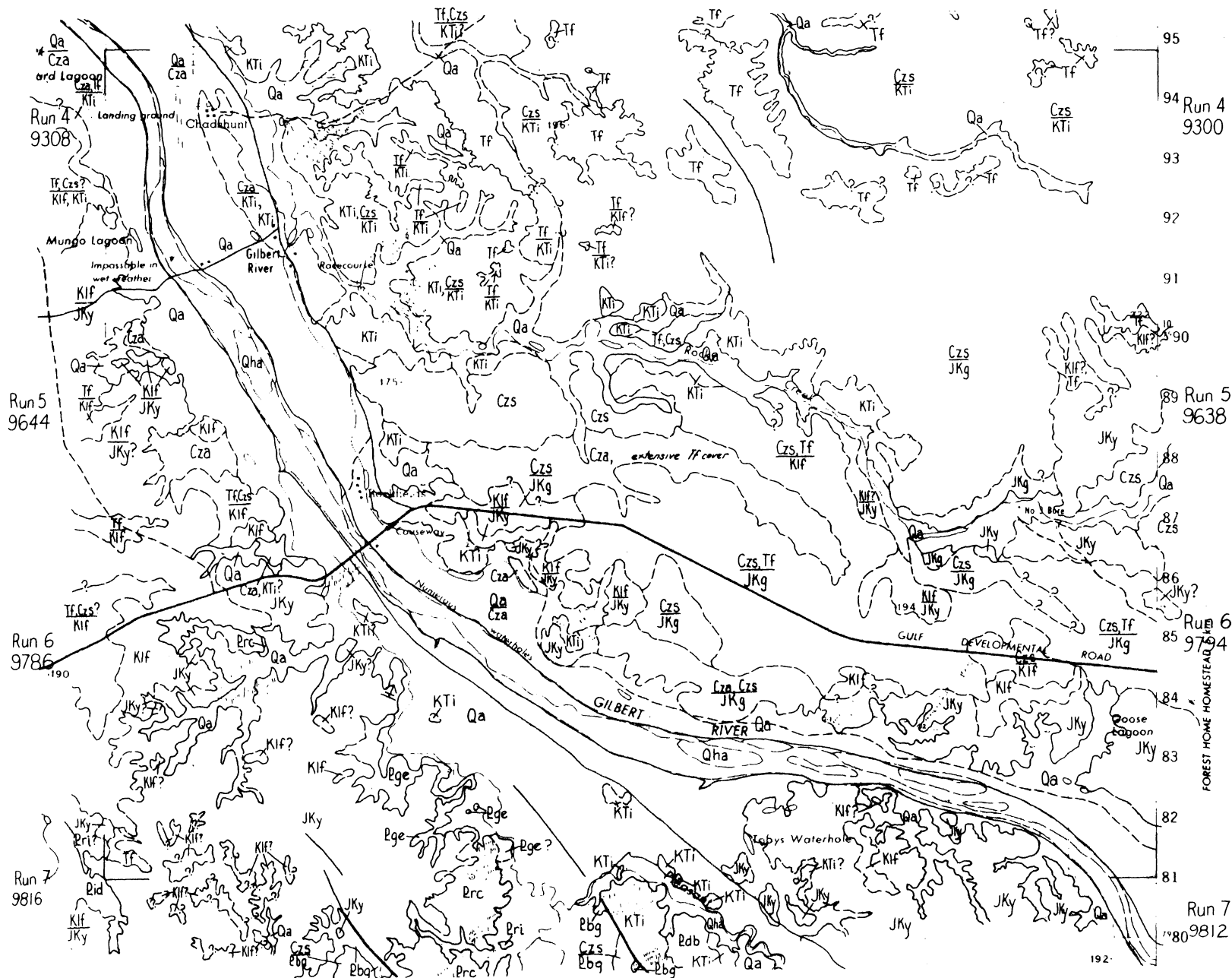
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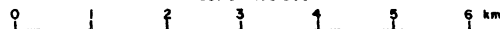
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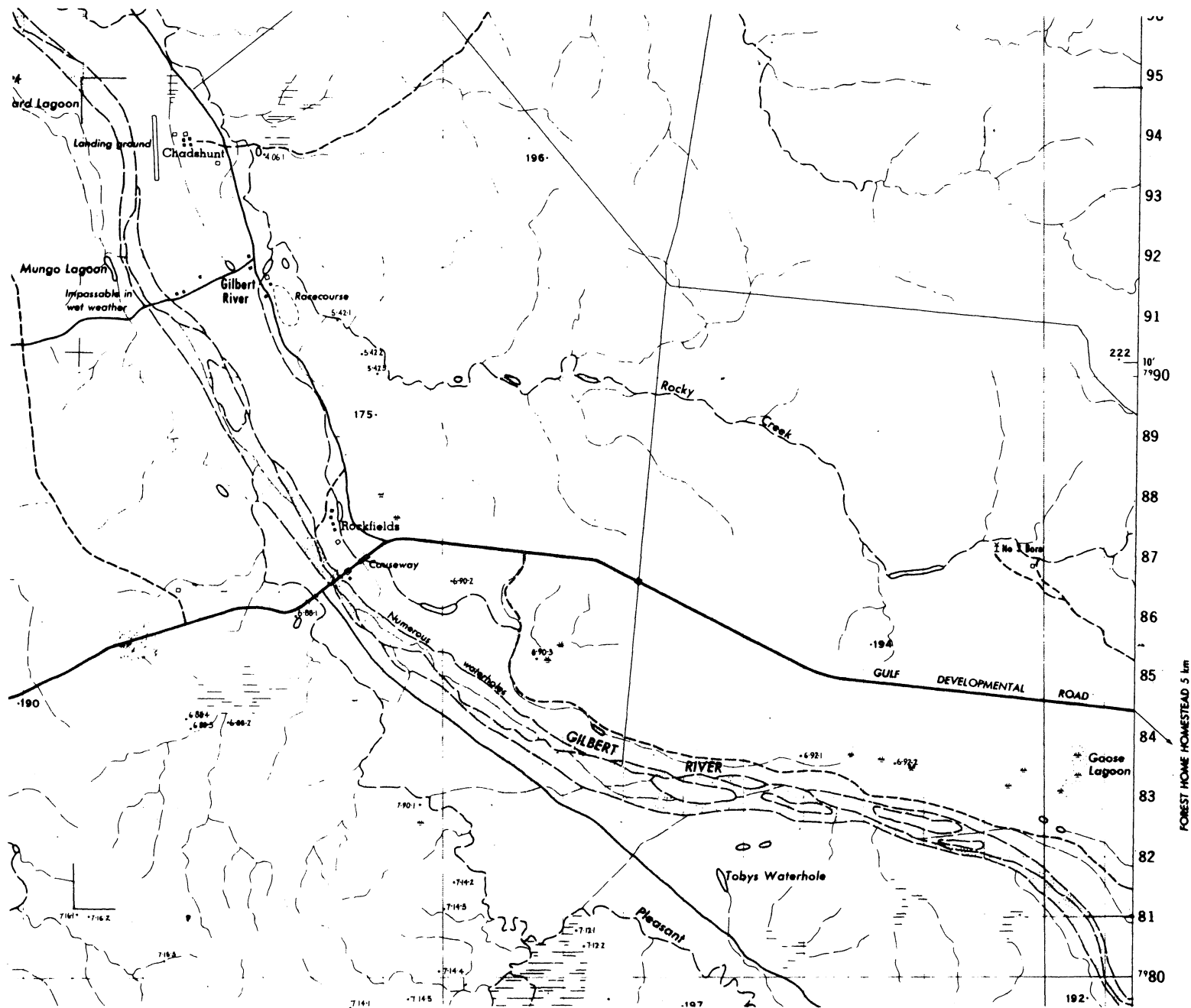
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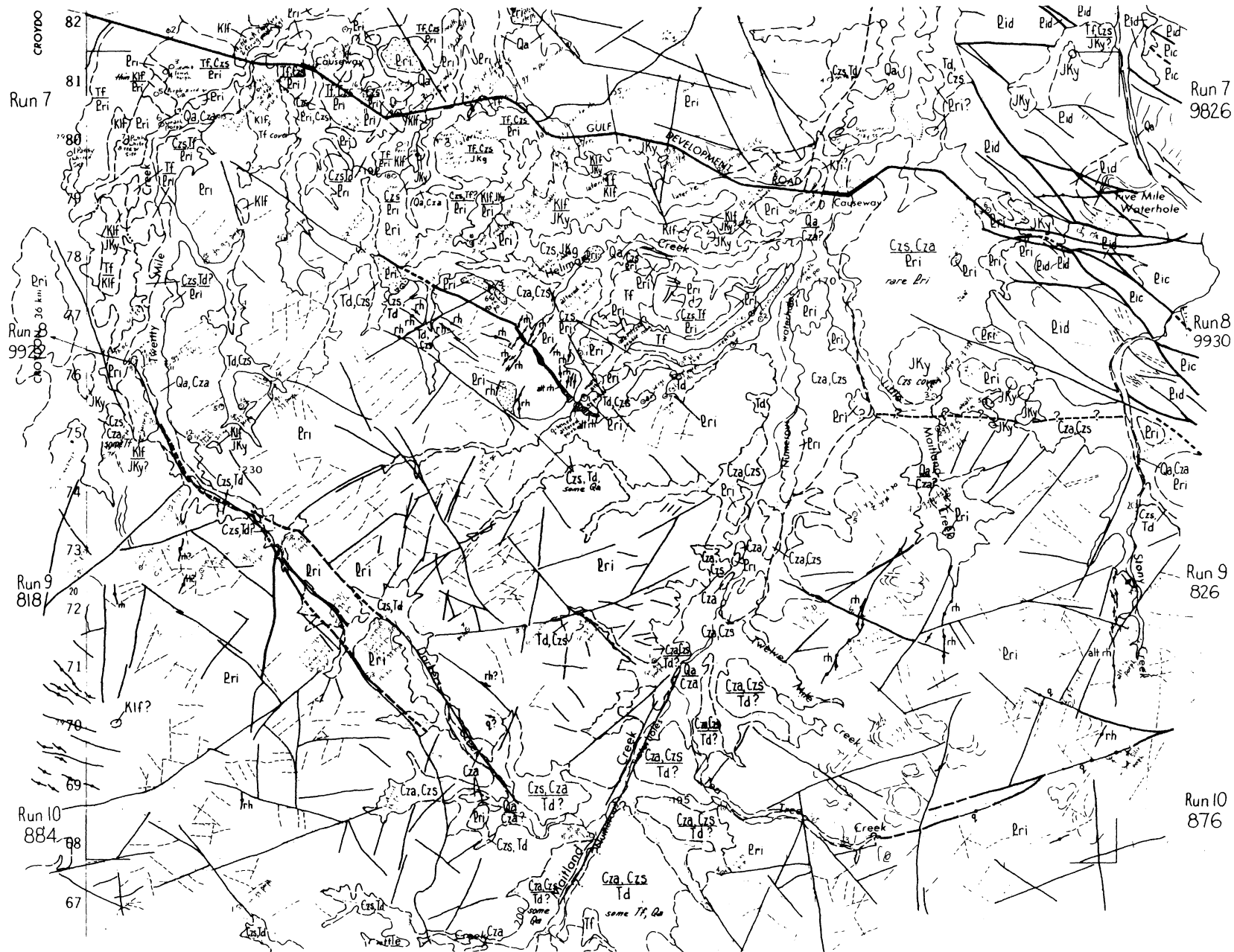


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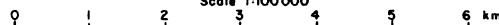
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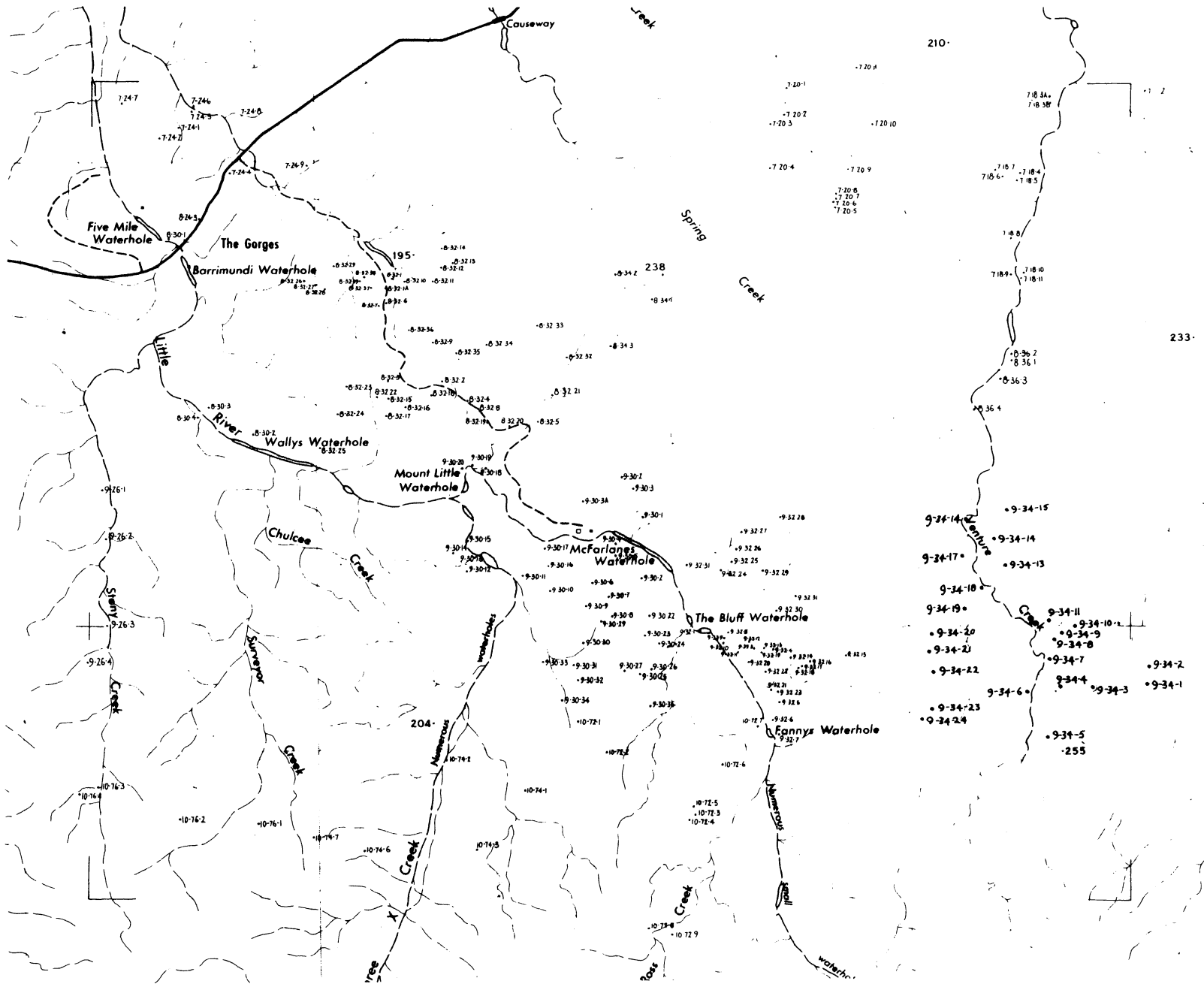
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Scale 1:100 000  
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GILBERT RIVER

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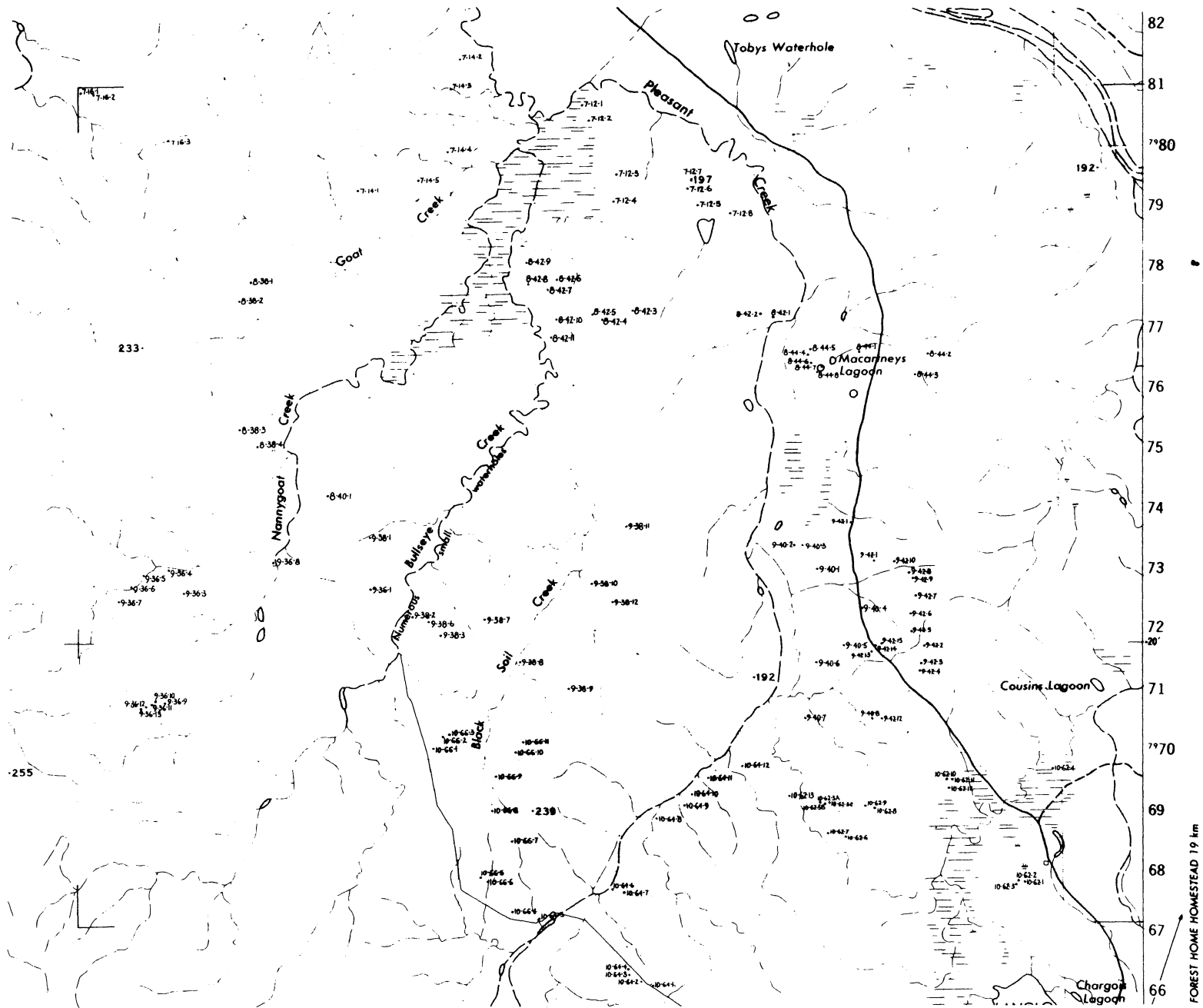
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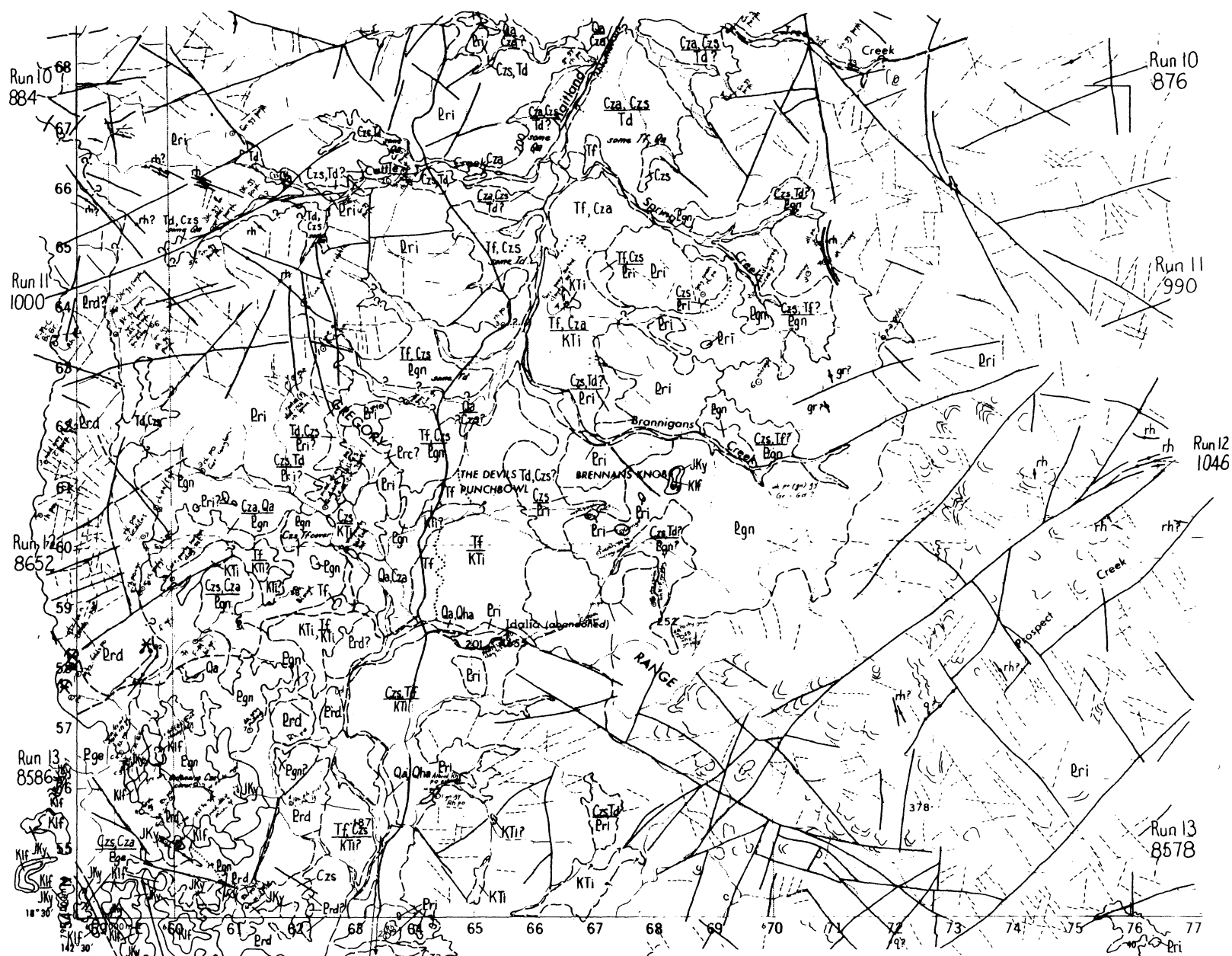
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GILBERT RIVER

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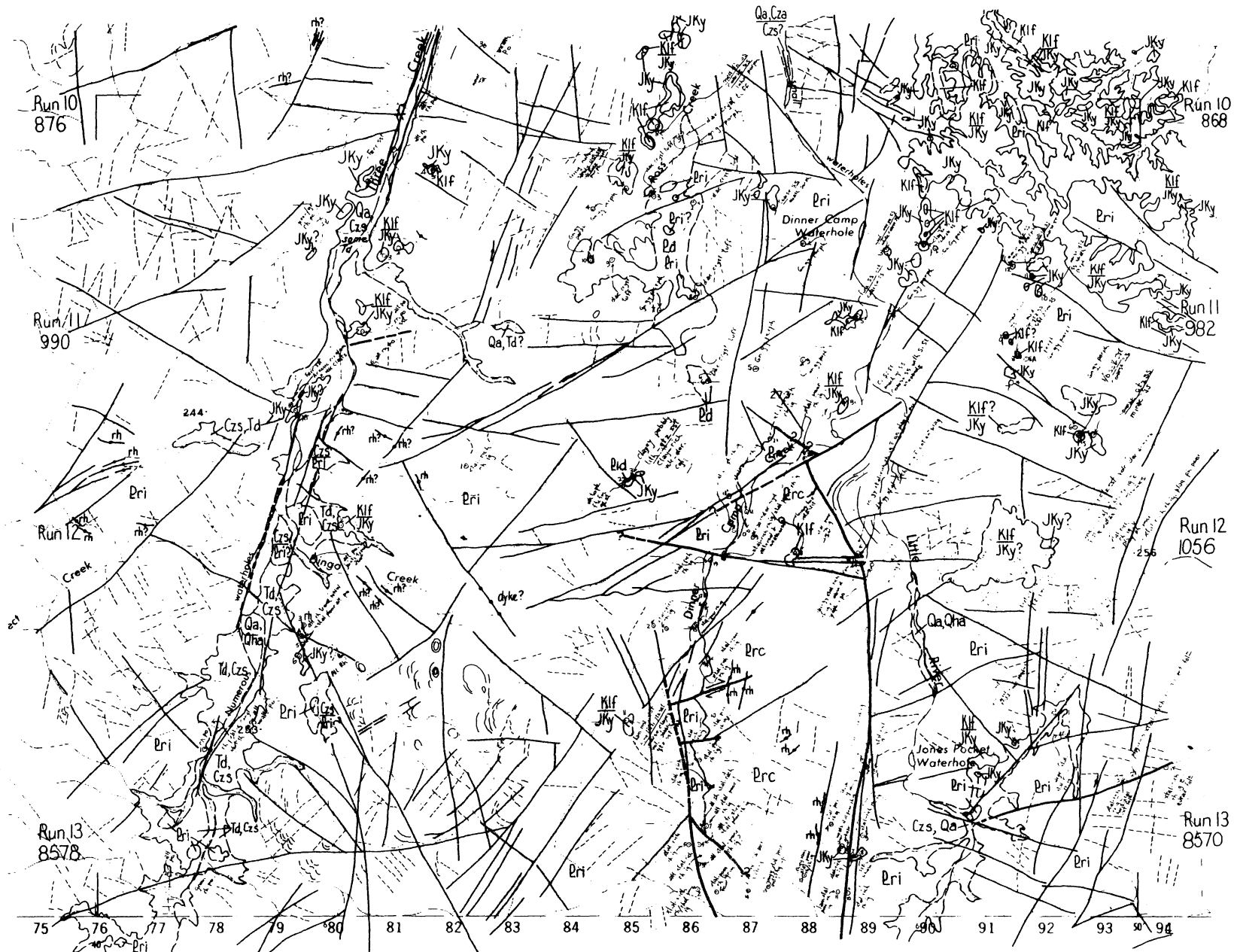
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#### GILBERT RIVER

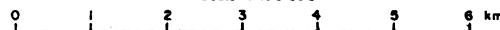
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Scale 1:100 000





Run 10  
868

Run 10  
862

Run 11  
982

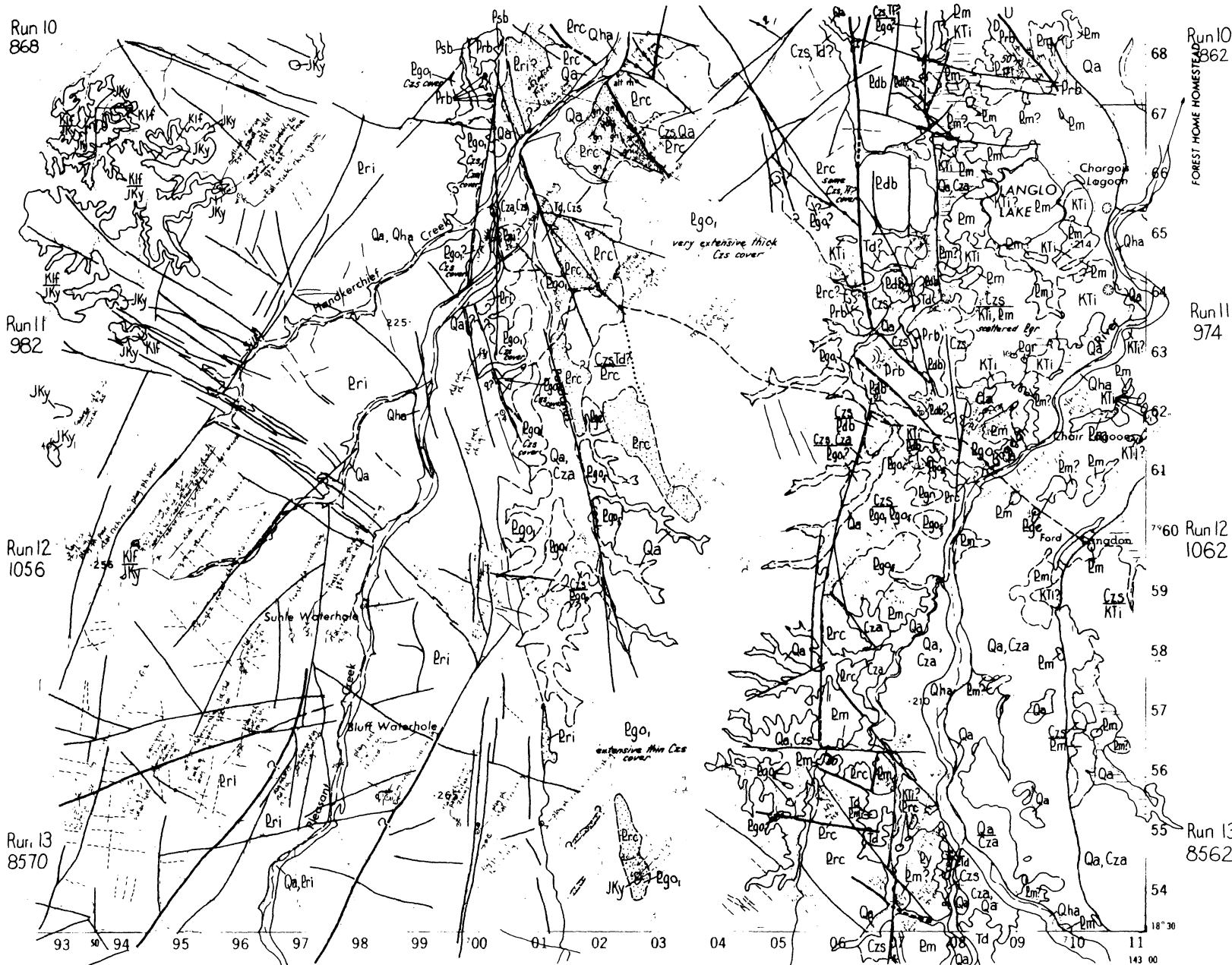
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Run 12  
1056

Run 12  
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Run 13  
8570

Run 13  
8562



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| 4  | 5  | 6  |
| 7  | 8  | 9  |
| 10 | 11 | 12 |

GILBERT RIVER

Geology 1980 by D.E. Mackenzie, G.A.M. Henderson, BMR  
J.V. Warnick, GSO  
Compiled 1980-81 by D.E. Mackenzie, C.P. Knight

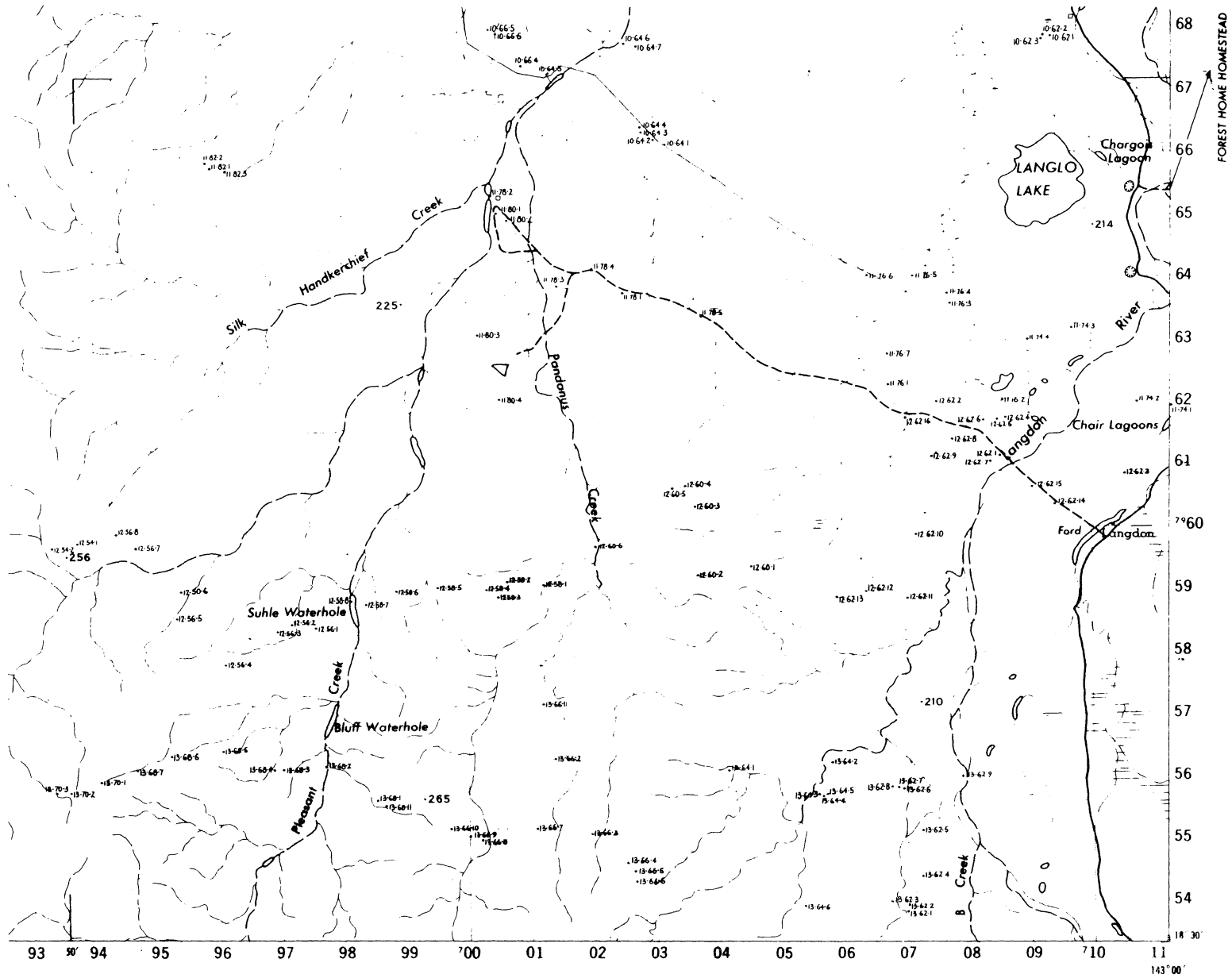
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Scale 1:100 000

0 1 2 3 4 5 6 km

Compiled by the Bureau of Mineral Resources, Geology and Geophysics, in collaboration with the Geological Survey of Queensland, Department of Mines as part of the policy of Government to assist in the exploration and development of mineral resources



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Record 1981/52

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