

GROUNDWATER FEATURES: Djirawawuy gapuwuy

LOTS OF WATER / LARGE SUPPLY (YIELD): dhaagap gapu
 Wide-spread aquifer consisting of poorly consolidated sandstone. Large quantities of groundwater are available, sufficient for irrigation and industrial purposes. Bore yields typically more than 10 L/s (maximum 50 L/s). High success rate expected. This aquifer provides the base flow for many of the major rivers.
 Due to possible coastal saline intrusion effects, caution should be taken when using this map for those areas within 10 kilometres of the coast.

HOMELAND SUPPLY: gapu mair dhaagap homelangu
 Local aquifers in fractured sandstone, siltstone, dolomite and volcanic rocks. Stock and domestic quantities of groundwater are available at selected sites. Bore yields typically range from 0.5 to 3.0 L/s. Moderate success rate expected.

SMALL HOMELAND SUPPLY: gapu mair larrkun homelangu
 Narrow zones of high yielding sand aquifers (as above) occurring as valley infill between shallow granite locally containing small supplies of groundwater. (up to 1.0 L/s). Moderate to low success rate expected.

LITTLE CHANCE OF WATER: mair rarrhahak waga
 Local aquifers in weathered granite and sand layers within clay. Small supplies (up to 1.0 L/s) sufficient for small domestic use are available at selected sites. Low success rate expected.

NOTE: Sand dunes may form a local aquifer.

GENERAL FEATURES

- Barajala yirrkala waga yaku Homeland name
- Barraparwuy waga yaku gumurru'gu Country name
- Barajala waga yaku Place name
- OS 8240134 Stream gauging station - open, closed
- Waltjagbu yukurra gapu bothuru Stream gauging station number
- R 8260053 Rainfall station - open, closed
- DR 014502 Rainfall station number operated by Bureau of Meteorology
- romag Rainforest (may indicate groundwater discharge)
- yindi dhukarr Road
- dhukarr mair nyumukugny Vehicle track
- gundarak Landing ground

SURFACE WATER FEATURES: Warranjulpuw gapu

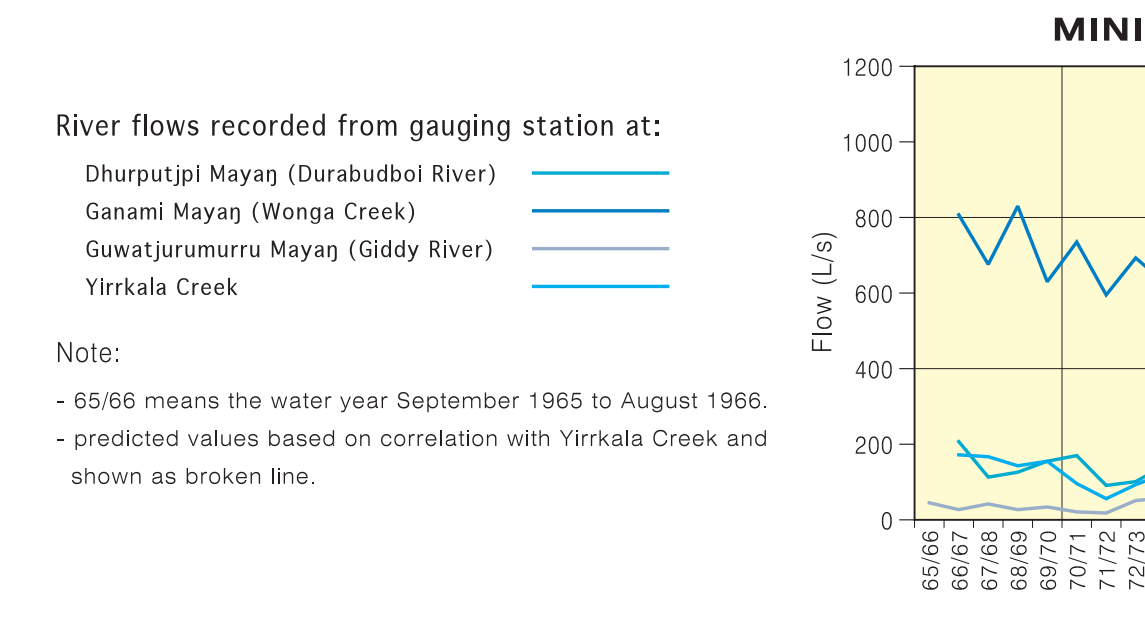
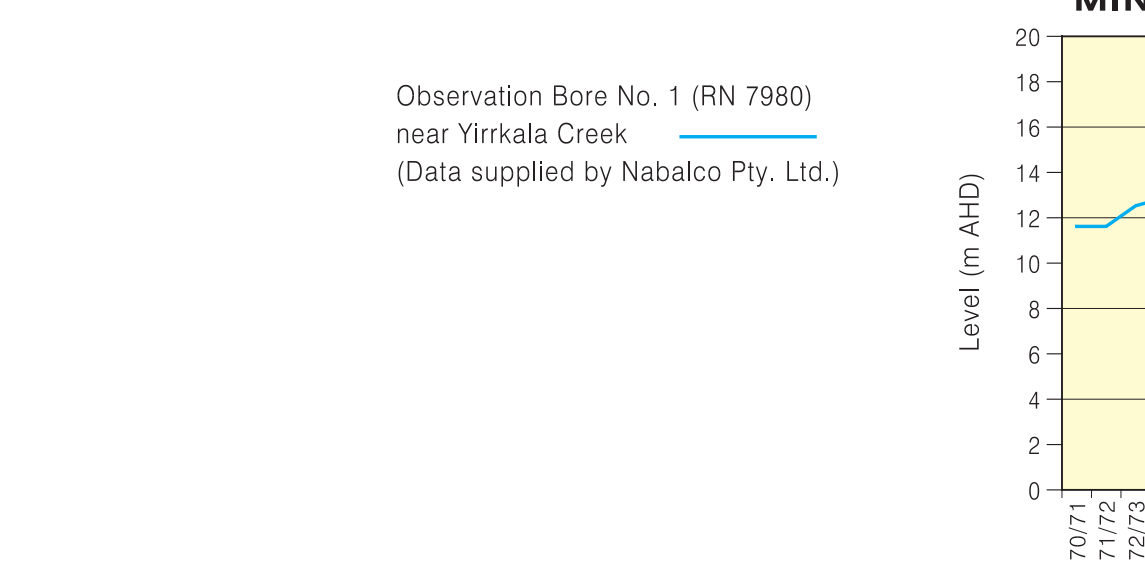
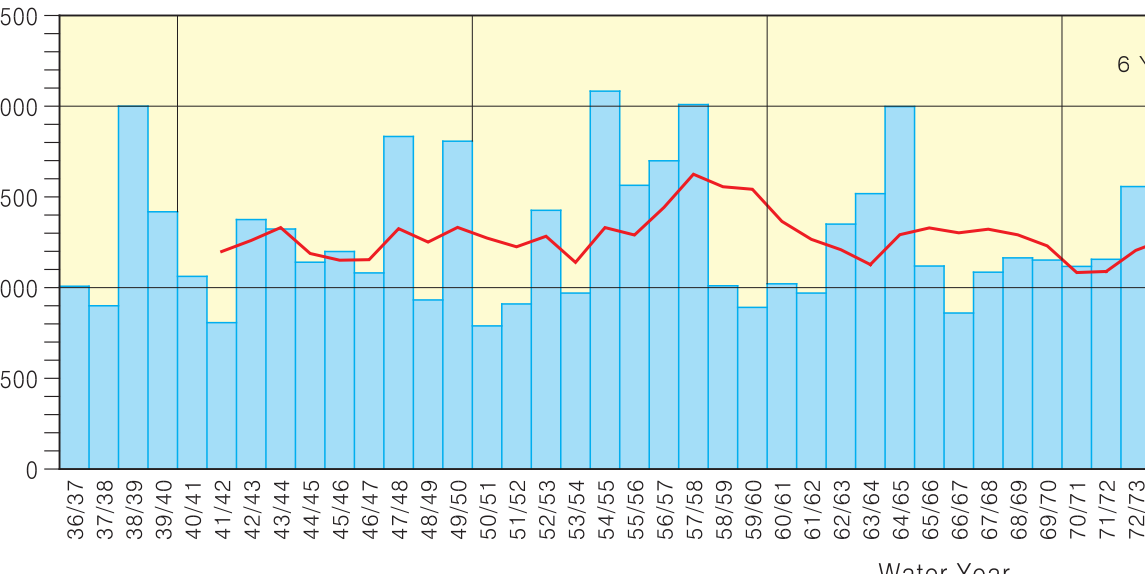
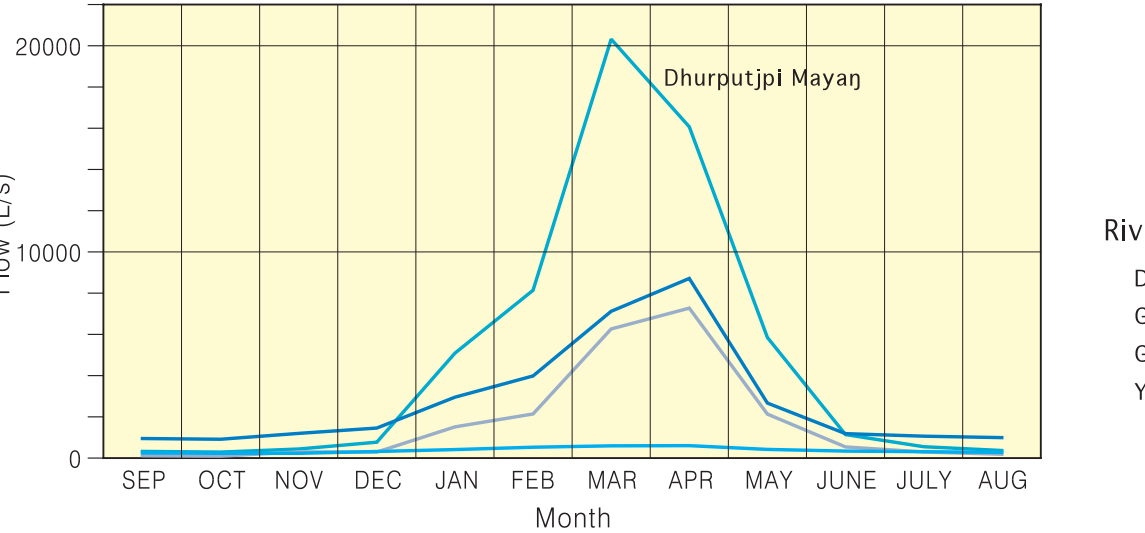
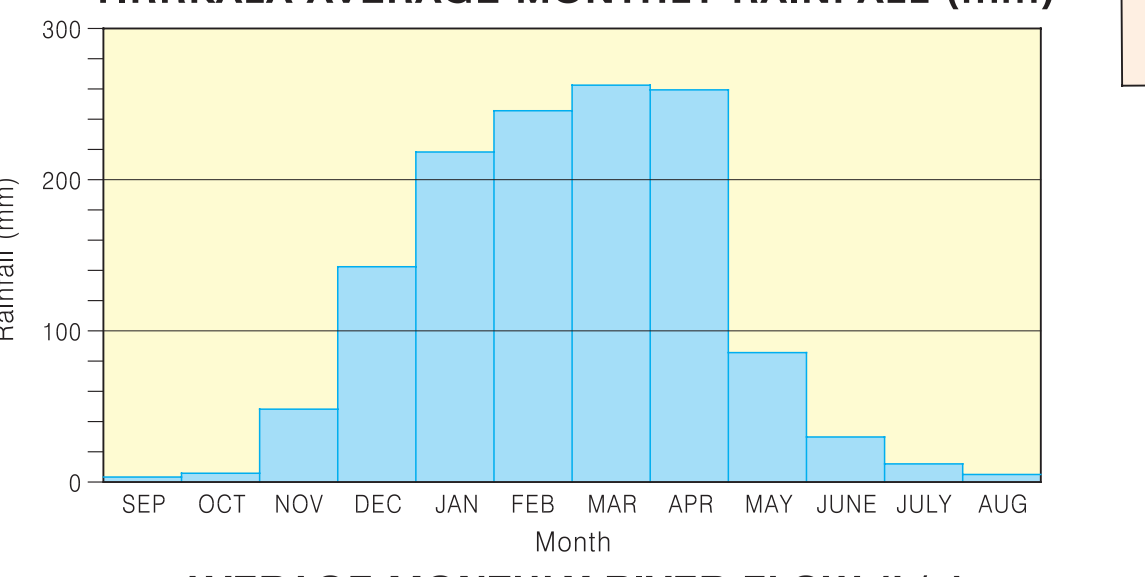
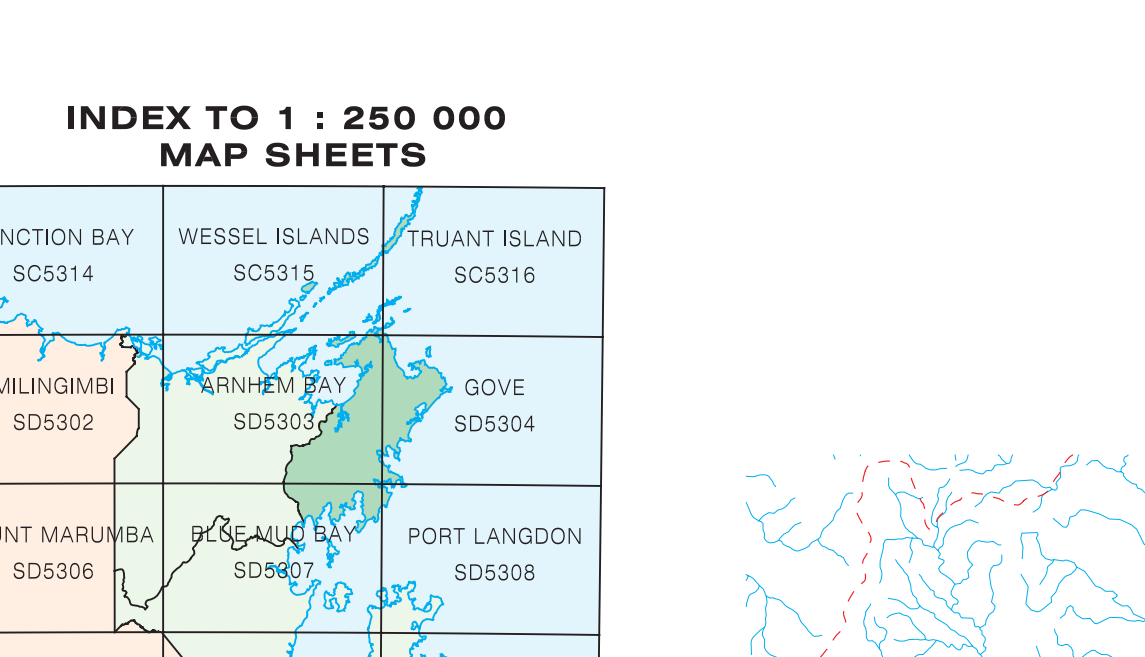
- dihapuru lileguru pull gapu yarrwupthun Surface water divide
- yindi mayag dhugarra-gupan River with a flow of more than 100 L/s at the end of the Dry season
- mayag pull yukurra bagak wadgiri rarranhaharyu yuru gaganra River with a flow of between 10 and 100 L/s at the end of the Dry season
- mayag, yurra gapu pull yukurra rarranhaharyu dhara gulin'kulun River with permanent waterholes and flows up to 10 L/s at the end of the dry season
- mayag pull yukurra bagayandhiri rarranhaharyu River which is dry at the end of the Dry season
- gulin gapu Lake, perennial
- gulin gapu pull yukurra baga'wagayandhiri Lake, intermittent
- naputi gapu Waterhole
- dhuwumiri / barrakalaneri gapu Swamp or marsh
- gathul' Mangrove
- waga pull yukurra lupthun yindi gapu Subject to inundation

CROSS-SECTION A-G
 HORIZONTAL SCALE 1 : 250 000
 km 0 5

Notes:
 Yolngu (Aboriginal people of east Arnhem Land) place names marked here have been given with the permission of the traditional owners specifically for use on this map. If they are to be used elsewhere, it is necessary to gain approval from the traditional owners. The Northern Land Council can be contacted in this regard.
 All Yolngu place names relate to the people, their ancestors, and the country. The names on the map represent a small percentage of known place names.
 Considerable time and care has been taken to locate and spell Yolngu place names. Consultations have been broad but discrepancies may occur. If there are any concerns please contact the Natural Resources Division of the Department of Lands, Planning and Environment.
 Yolngu place names have been written in Yolngu orthography which is phonetic. Pronunciation is as follows:
 n - pronounce like the 'ng' in 'sing'.
 a - (long) like 'a' in 'father'.
 d, l, l - o - point the tip of the tongue backwards towards the roof of the mouth.



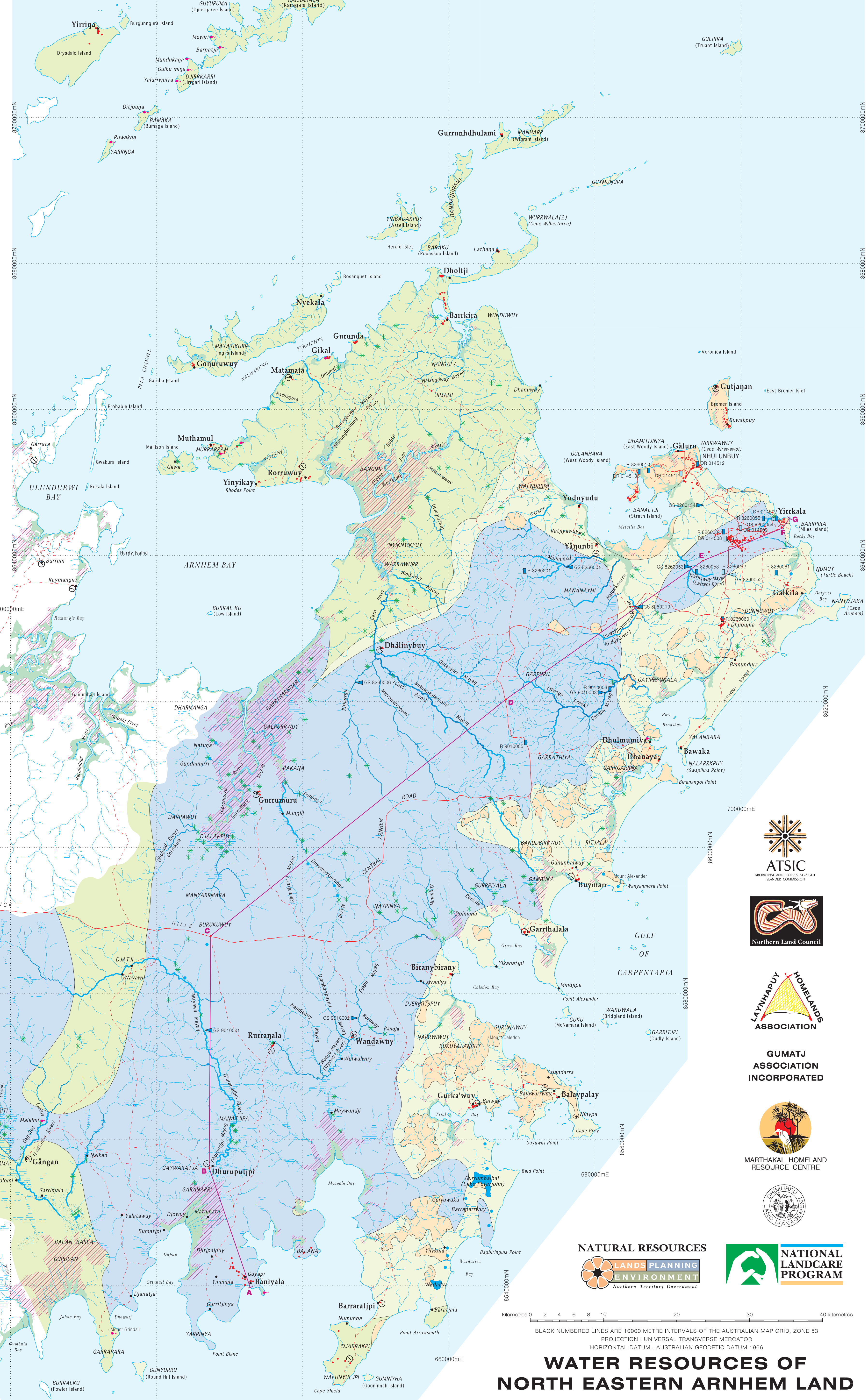
Map compiled by G. Prowse, U. Zaar, S. Tickell and I. Matthews.
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 Cartography by L. J. Fitz, Resource Assessment Mapping Unit, using Microstation graphic applications. Design File: Arn_sector1.dgn.
 Translation into Gumatj and spelling assisted by M. Christie, W. Gaykamanga and M.Y. Goyala from FATRS, Northern Territory University.
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 25 Chung Wah Terrace, Palmerston
 Northern Territory, July 1999



MAP LOCALITY

River flows recorded from gauging station at:
 Dharupitji Mayag (Darrabudul River)
 Ganami Mayag (Wonga Creek)
 Gulkidj (Gulkidj River)
 Yirrkala Creek

NOTE:
 - 65.66 means the water year September 1965 to August 1966.
 - predicted values based on correlation with Yirrkala Creek and shown as broken line.



ATSIIC
 ARNHEM LAND YOLNGU STRAIGHT SHIELD COMMISSION

Northern Land Council

LAYIHWAPY HOMELANDS ASSOCIATION

GUMATJ ASSOCIATION INCORPORATED

MARTHAKAL HOMELAND RESOURCE CENTRE

NATURAL RESOURCES LANDS PLANNING ENVIRONMENT Northern Territory Government

NATIONAL LANDCARE PROGRAM

BLACK NUMBERED LINES ARE 10000 METRE INTERVALS OF THE AUSTRALIAN MAP GRID, ZONE 53
 PROJECTION: UNIVERSAL TRANSVERSE MERCATOR
 HORIZONTAL DATUM: AUSTRALIAN GEODETIC DATUM 1986

WATER RESOURCES OF NORTH EASTERN ARNHEM LAND