

TRIGONOMETRICAL SURVEY OF NEW SOUTH WALES
GEODETIC STATION SUMMARY

STATION **JACOB**

Map Name: **LYNESOWEN** Scale: **1:100,000** Original Station Established by: **DIVISION OF NATIONAL MAPPING** Date: **1955** Order: **FIRST**

Map Number: **7035** Parish: **KERRIBILL** DATUM: **Australian National Datum 1966** $a = 6,378,160$ metres; $1/f = 298.25$ Johnston Origin: **VF5074-05072**

County: **BRIDGEMAN** Parish: **KERRIBILL** RECTANGULAR CO-ORDINATES: **Universal Transverse Mercator System; Australian National Spheroid; in Metres: H 102-3**

Aerial Photographs: Grid Bearing = Adj. Azimuth + Convergence | HEIGHT in Metres above: **A.H.D. Trig: Lev. 183.11**

Plan Reference: **W.L.C. 7367** SOUTH LATITUDE **31 26 14.9025** EAST LONGITUDE **144 36 50.2910** CONVERGENCE **-1 14 42.03** ZONE **58** EASTING **273230.666** NORTHING **6219437.754**

Station Diagram Not to Scale

Issue Date
1 OCT 1976
27 OCT 1976

OBSERVED STATION	ADJUSTED AZIMUTH	ADJUSTED LENGTH
GREENOUGH	260 46 30.45	41290.258
MANARA	296 18 41.72	14301.713
MACPHERSON	308 50 29.43	73687.199
THOOLABOOL	343 0 53.97	65941.211
NORTH GAP	67 25 28.97	55634.828

I. S. G. INFORMATION
51 26 14.9025 144 36 50.2910

Ø LAPLACE STATION
5571 263343.784 1520653.872

Field Book **Z1G, Z20, Mg, 107** Description Book

Date	Record of Field Action, Marking and Description of Station	Reference
1965	Ground Mark: Copper tube set in concrete Beacon: Mast with vane (0.9x0.6) supported by quadripod Height of Beacon above Ground Mark: 3.28 (top of vane)	6/17/13

Unit of Measurement: Metre (1 Metre = 3.281 ft. approx.)
Dif. Ht. (Trig. minus P.M.) (1977) +67.82

Verified: **640 Marshall** Date **30th December 1969** Station last visited (Year) **1965**

Certified: **1/1/71** Date **1/1/71** Amended: **1/1/71** Amended: **1/1/71** Amended: **1/1/71** Amended: **1/1/71**

STATION **JACOB**

CO-ORDINATES IN OTHER SYSTEMS

A.N.G. (Clarke 1858) T.M.		INTEGRATED SURVEYS GRID (Central Scale Factor 0.9999)		CASSINI-SOLDNER GRID.	
YARDS		METRES		FEET	
Zone:	C.M.	Zone:	C.M.	Zone:	C.M.
7	146	55/1	145		
E	N	E	N	LATITUDE	DEPARTURE
256 108.95	1109 853.62	963 302.45	1200 853.67		

HEIGHT in Feet above Mean Sea Level
HEIGHT in Metres above Mean Sea Level

HISTORY OF STATION

Date	Record of Field Action, Marking and Description of Station	Reference
1964	Cement observing pillar erected	
1965	Quadripod (about 3.5 high) over main 1.0 high Vane (1.22m x 0.9m) SSM & concrete observing pillar found.	
1967	SM's copper tubes in concrete found SSM placed.	
1969	Station visited by National Mapping. Screens supplied.	

Beacon details & other attributes entered into SCIMS 2000 database...
by: **M. Chapman** visit ✓
Date: **1/3/01**