

NATIONAL MAPPING COUNCIL OF AUSTRALIA

STANDARD
TOPOGRAPHIC MAP SYMBOLS

REVISED TO
JUNE 1962

PREPARED ON BEHALF OF THE
NATIONAL MAPPING COUNCIL OF AUSTRALIA
BY THE DIRECTOR OF NATIONAL MAPPING,
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STANDARD TOPOGRAPHIC MAP SYMBOLS

These map symbols are recommended for use in the production of topographic maps at scales of 1 : 253,440 and larger.

The mapping authority may delineate features appropriate to its requirements, but when a feature is selected for inclusion in the mapping the prescribed symbol should be used.

Where the mapping authority proposes to publish maps in a single colour, the symbols should conform as closely as possible to those prescribed herein.

The symbols shown herein are not drawn to scale. Size of symbols may be varied to meet the needs of map scale and the particular requirements of the mapping authority.

The decimal system of classification has been used in preparing the list of symbols.

SUMMARY OF CLASSIFICATION :

SECTION 1. - Cultural features

- 1.1 Roads
- 1.2 Railways
- 1.3 Features related to roads
and railways
- 1.4 Airfields
- 1.5 Populated places and buildings
- 1.6 Area features
- 1.7 Boundaries
- 1.8 Industrial and public works
- 1.9 Control data

SECTION 2. - Hydrographic features

- 2.1 Foreshore and offshore features
- 2.2 Inland water features

SECTION 3. - Relief features

- 3.1 Contours
- 3.2 Form lines and hachures
- 3.3 Related features

SECTION 4. - Vegetation features

- 4.1 Natural
- 4.2 Cultivated

1 · 3 · 3	Traffic circle	
1 · 3 · 4	Cloverleaf	
1 · 3 · 5	Railway siding	
1 · 3 · 6	Marshalling yards	
1 · 3 · 7	Railway turntable	
1 · 3 · 8	Railway station	
1 · 3 · 9	Railway station and siding	
1 · 3 · 10	Overpass and underpass	
1 · 3 · 11	Tunnel, road or railway	
1 · 3 · 12	Railway bridge	
1 · 3 · 13	Road bridge	
1 · 3 · 14	Drawbridge, railway	
1 · 3 · 15	Drawbridge, road	
1 · 3 · 16	Footbridge	
1 · 3 · 17	Ferry across open water area	
1 · 3 · 18	Ford across double line stream	
1 · 3 · 19	Causeway	
1 · 3 · 20	Levee or dyke	
1 · 3 · 21	Embankment	
1 · 3 · 22	Cutting	

* Bridge symbol may be used as an alternative
 ** May be labelled "vehicular" or "passenger"

1 · 3		FEATURES RELATED TO ROADS AND RAILWAYS (continued)
1 · 3 · 23	Gate	
1 · 3 · 24	Cattle grid	
1 · 4 AIRFIELDS		
1 · 4 · 1	Airfield	
1 · 4 · 2	Airport or airfield	**
1 · 4 · 3	Landing ground	**
1 · 4 · 4	Seaplane base	**
1 · 4 · 5	Seaplane anchorage	**
1 · 5 POPULATED PLACES AND BUILDINGS		
1 · 5 · 1	Built up area Showing main roads, secondary roads, railways and land mark buildings	
1 · 5 · 2	Town, limits not shown	
1 · 5 · 3	Village, limits not shown	
1 · 5 · 4	Buildings (permanent type) (to scale when possible)	
1 · 5 · 5	Post office, school, police station, dwelling with wireless transceiver	
1 · 5 · 6	Church	
1 · 5 · 7	Ruined buildings and antiquities (except historical sites)	
1 · 5 · 8	Towers, radio masts, lookouts, silos and similar landmark objects	*****
1 · 5 · 9	Windpump	

- * Adopt for large scale mapping (1 : 63,360 etc.)
- ** Adopt for medium scale mapping (1 : 253,440 etc.)
- *** Show as complete a network of streets as scale will permit
- **** As an alternative, the building symbol labelled "School" may be used
- ***** May be labelled as required

1 · 5

POPULATED PLACES AND BUILDINGS
(continued)

1 · 5 · 10

Lighthouse



1 · 6

AREA FEATURES

1 · 6 · 1

Cemetery



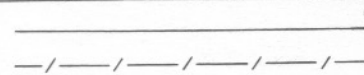
1 · 6 · 2

Stone fence or wall



1 · 6 · 3

Fence
Fence (alternative symbol)



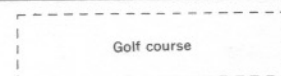
1 · 6 · 4

Yard



1 · 6 · 5

Outlined landmark area
(oilfields, golf courses, etc.)



1 · 6 · 6

Quarry



1 · 6 · 7

Gravel pit

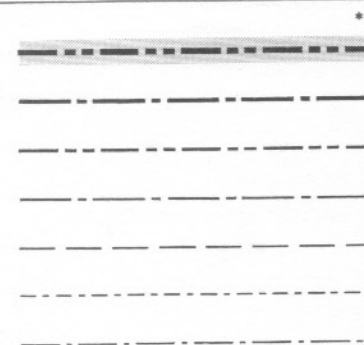


1 · 7

BOUNDARIES

1 · 7 · 1

International
Major administrative
First class administrative
Second class administrative
Third class administrative
Fourth class administrative
Special

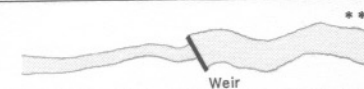


1 · 8

INDUSTRIAL AND PUBLIC WORKS

1 · 8 · 1

Small earthen or masonry dam or weir



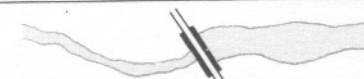
1 · 8 · 2

Large masonry dam



1 · 8 · 3

Dam, carrying road



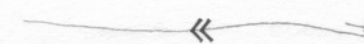
1 · 8 · 4

Sluice gate



1 · 8 · 5

Lock (small)



* Where confusion likely, alternative symbol may be used
 ** May be varied according to requirements of State Mapping Authority
 *** Labelling optional. Symbol should be used when type of construction cannot be determined





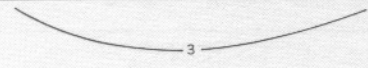
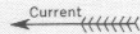
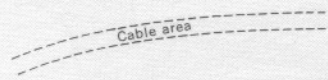

1 · 8 · 6	Lock (large)	
1 · 8 · 7	Breakwater	
1 · 8 · 8	Submerged breakwater	
1 · 8 · 9	Pier, dock, wharf	
1 · 8 · 10	Dry dock	
1 · 8 · 11	Marine railway (patent slip)	
1 · 8 · 12	Tank (excluding water)	
1 · 8 · 13	Well (excluding water)	
1 · 8 · 14	Sewage disposal bed	
1 · 8 · 15	Filtration bed	
1 · 8 · 16	Pipeline (excluding water): above ground underground	
1 · 8 · 17	Mine, mine entrance	
1 · 8 · 18	Area containing numerous diggings	
1 · 8 · 19	Telephone or telegraph line	
1 · 8 · 20	Power transmission line Power transmission line (alternative symbol)	
1 · 8 · 21		
1 · 8 · 22	Racetrack	
1 · 9	CONTROL DATA	
1 · 9 · 1	Horizontal control point. Major Minor	
1 · 9 · 2	Horizontal control point, outstanding landmark	

* Label as required

** Type of mine may be specified







1 · 9		CONTROL DATA (continued)
1 · 9 · 3	Bench mark	BM ● 552
1 · 9 · 4	Astronomical position	⊕
1 · 9 · 5	Photograph centre	+ 8/134 *
1 · 9 · 6	Spot elevation Spot elevation, approximate	● 792 ● 792

* *Optional*

2 · 1 · 1	Foresore flat, contiguous to shoreline	
2 · 1 · 2	Rock, coral reef, ledge	
2 · 1 · 3	Sunken rock	+
2 · 1 · 4	Rock, bare or awash	*
2 · 1 · 5	Shoal, danger in general	
2 · 1 · 6	Exposed wreck	
2 · 1 · 7	Sunken wreck, potential danger	++
2 · 1 · 8	Soundings	3 2
2 · 1 · 9	Fathom lines	
2 · 1 · 10	Current, general	
2 · 1 · 11	Area limits	
2 · 1 · 12	Dolphin, piling, stump, snag, etc.	o Piling
2 · 1 · 13	Anchorage	

2 · 2















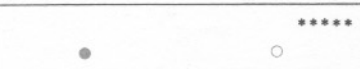
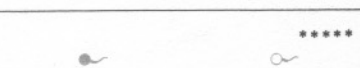

INLAND WATER FEATURES

2 · 2 · 1	Shoreline	
2 · 2 · 2	Shoreline indefinite	
2 · 2 · 3	Lake, perennial	 **
2 · 2 · 4	Lake, intermittent	 **
2 · 2 · 5	Lake, dry	 **
2 · 2 · 6	Perennial river or stream	 ***

* Label appropriately as required

** Label if salt or a claypan

*** When the drainage system shown on a map is wholly unclassified, symbols 2.2.6 and 2.2.7 may be used and an appropriate note inserted in the legend

2 · 2 · 7	Perennial river or stream: indefinite or unsurveyed	
2 · 2 · 8	River or stream: intermittent, River or stream: intermittent, (alternative symbol) River or stream: intermittent, indefinite	
2 · 2 · 9	River or stream: unclassified River or stream: unclassified, indefinite	
2 · 2 · 10	Dry river bed with channels shown by appropriate symbols	
2 · 2 · 11	Navigable canal, flume, penstock, aqueduct, water pipeline } Above ground Underground	
2 · 2 · 12	Irrigation canals, drains, ditches	
2 · 2 · 13	Rice fields	
2 · 2 · 14	Marsh or swamp	
2 · 2 · 15	Salt pan (salt evaporator)	
2 · 2 · 16	Falls in large river	
2 · 2 · 17	Rapids in large river	
2 · 2 · 18	Falls in small river	
2 · 2 · 19	Rapids in small river	
2 · 2 · 20	Bore : flowing ; subsurface	
2 · 2 · 21	Well : perennial ; intermittent	
2 · 2 · 22	Spring : perennial ; intermittent	
2 · 2 · 23	Dam, waterhole, sunken water tank, swimming pool	

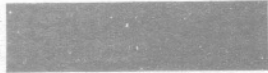

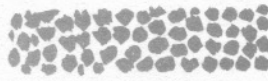


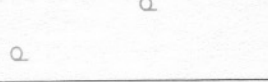



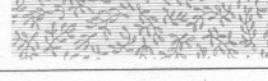




* When the drainage system shown on a map is wholly unclassified, symbols 2.2.6 and 2.2.7 may be used and an appropriate note inserted in the legend
 ** Label appropriately
 *** Label if salt
 **** Water reported fit for human consumption may be indicated thus (D)
 ***** Show circle as solid where no distinction is to be made between perennial and intermittent
 ***** Outline to conform to actual shape. Label as required

3 · 1 · 1	Contours	
3 · 1 · 2	Auxiliary contours	
3 · 1 · 3	Approximate contours	
3 · 1 · 4	Depression contours	
3 · 2	FORM LINES AND HACHURES	
3 · 2 · 1	Form lines	
3 · 2 · 2	Hill features	
3 · 2 · 3	Sand dunes	
3 · 2 · 4	Sand ridges	
3 · 3	RELATED FEATURES	
3 · 3 · 1	High cliff	
3 · 3 · 2	Medium and low cliff or escarpment less than contour interval	
3 · 3 · 3	Crevice	
3 · 3 · 4	Landslide, rockslide	
3 · 3 · 5	Landmark boulder	
3 · 3 · 6	Cave	
3 · 3 · 7	Sand	

* Index contours thickened. Numbers to read uphill

** Applies to auxiliary, index and approximate contours. Ticks on depression side of contour. Ticks varied at discretion of agency

*** Coastal cliffs in black

4 · 1		NATURAL	
4 · 1 · 1	Forest	dense timber	 *
		(alternative)	
4 · 1 · 2	Forest	medium timber	 *
		(alternative)	
4 · 1 · 3	Forest	scattered timber	 *
		(alternative)	
4 · 1 · 4	Forest, coniferous		
4 · 1 · 5	Scrub (permanent low growth)		 *
4 · 1 · 6	Nipa		
4 · 1 · 7	Mangrove		
4 · 1 · 8	Distinctive grass		 **
4 · 2		CULTIVATED	
4 · 2 · 1	Pine plantation		
4 · 2 · 2	Orchard or plantation		
4 · 2 · 3	Vineyard		

* Suitable rulings or stipples may be used
 ** Label as required