

Geodetic On-Line Access (GOLA)

To enter the monthly prize draw for a \$100 voucher to major retailers, use the SLIP Geodetic Portal button ...



Send status update

Mark Details

(GOLA last updated on 19-Feb-2020)



SSM HZ 878

Alternate names :

APREF/NGCA codes:

Stamp name: HZ878

Physical status : **located (Harley Dykstra)**

Physical type : brass plaque

Mark set in : concrete

Geographical Coordinates

Horizontal datum : **GDA2020**

Latitude : **S 31 54 52.47122**

Longitude : **E 115 47 57.42475**

Coordinate date : 15/08/2018

Horizontal method : Geodetic-Terrestrial

Relative horiz. accuracy : 70ppm *** Estimated relative uncertainty to adjacent marks*

Positional uncertainty (m) : 0.025 (95% Confidence level)

Error Ellipse

Semi-major axis (m) : 0.026

Semi-minor axis (m) : 0.023

Azimuth of semi-major axis (m) : 27 49 30

*** Projection coordinates are calculated from the geographical coordinates detailed above*

Project Grid - PCG2020

Map ref.: WEMBLEY BG34 2.6

Database number : 910556

Date established : 26/09/1993

Phys. status date : 05/12/2018

Hatch cover type : none

Access type : 2 wheel drive

MGA2020 Coordinates

Zone : 50

Easting (m) : 386477.299

Northing (m) : 6468404.023

Convergence : -0 38 5.39

Point scale factor : 0.99975894

Cadastral connection : Exists

Perth Coastal Grid 2020

Easting (m) : 48355.999

Northing (m) : 367623.159

Convergence : -0 0 33.08

Point scale factor : 0.99999909

Height Information

Vertical datum : **AHD71**

Height (m) : **8.725**

Established by : Hawker Moss Surveyors

Vertical method : Spirit Levelling

Derived GDA2020 ellipsoidal height (m) : -24.147

Height type : **Orthometric**

Height date : 04/05/2000

State : Final

Vertical accuracy : 12rootK

N-Value (m) : -32.872

Geoid model : AusGeoid2020

Interpolation : Bi-Cubic

*** Derived GDA2020 ellipsoidal height: $h = H + N$*

Mark to hatch cover :

Mark to ground level :

RM Info

No RMs for this mark

Cadastral Connection Fieldbooks

LG 146177
LTO FB 65103

Special Notes

Unknown Date Originally allocated to WAWA

ITRF 2014

GDA2020 coordinates are equivalent to ITRF2014@2020.0. ITRF2014 coordinates can be determined by application of a plate model transformation. For general and technical information on GDA2020 see <http://www.icsm.gov.au/what-we-do/geocentric-datum-australia>

**SSM HZ 878**

Alternate names :
APREF/NGCA codes:
Stamp name: HZ878
Physical status : **located (Harley Dykstra)**
Physical type : brass plaque
Mark set in : concrete

Map ref.: WEMBLEY BG34 2.6
Database number : 910556
Date established : 26/09/1993
Phys. status date : 05/12/2018
Hatch cover type : none
Access type : 2 wheel drive

Geographical Coordinates

Horizontal datum : **GDA94**
Latitude : **S 31 54 52.51939**
Longitude : **E 115 47 57.38542**

MGA94 Coordinates

Zone : 50
Easting (m) : 386476.282
Northing (m) : 6468402.528
Convergence : -0 38 5.41
Point scale factor : 0.99975894

Coordinate date : 09/10/2000
Horizontal method : Transformed

Cadastral connection : Exists

Relative horiz. accuracy : 80ppm *** Estimated relative uncertainty to adjacent marks*
Positional uncertainty (m) : 0.1 (95% Confidence level)

*** Projection coordinates are calculated from the geographical coordinates detailed above*

Project Grid - PCG94**Perth Coastal Grid 1994**

Easting (m) : 48354.966
Northing (m) : 267621.675
Convergence : -0 0 33.10
Point scale factor : 0.99999909

Height Information

Vertical datum : **AHD71**
Height (m) : 8.725
Established by : Hawker Moss Surveyors
Vertical method : Spirit Levelling
Derived GDA94 ellipsoidal height (m) : -24.087

Height type : **Orthometric**
Height date : 04/05/2000
State : Final
Vertical accuracy : 12rootK
N-Value (m) : -32.812
Geoid model : AUSGeoid09 V1.01
Interpolation : Bi-Cubic

*** Derived GDA94 ellipsoidal height: $h = H + N$*

Mark to hatch cover :
Mark to ground level :

RM Info

No RMs for this mark

Cadastral Connection Fieldbooks

LG 146177
LTO FB 65103

Special Notes

Unknown Date Originally allocated to WAWA

Geodetic On-Line Access (GOLA)

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Mark Details

(GOLA last updated on 19-Feb-2020)



SSM WEMBLEY 39

Alternate names :

APREF/NGCA codes:

Stamp name: WEM39

Physical status : **located (G.H.D. Surveys)**

Physical type : brass plaque

Mark set in : concrete

Geographical Coordinates

Horizontal datum : **GDA2020**

Latitude : **S 31 54 42.31462**

Longitude : **E 115 47 45.97886**

Map ref.: WEMBLEY BG34 2.6

Database number : 102436

Date established : 01/03/1973

Phys. status date : 26/06/2018

Hatch cover type : metal

Access type : 2 wheel drive

MGA2020 Coordinates

Zone : 50

Easting (m) : 386173.204

Northing (m) : 6468713.431

Convergence : -0 38 11.26

Point scale factor : 0.99975979

Coordinate date : 13/08/2018

Horizontal method : Geodetic-Terrestrial

Cadastral connection : Exists

Relative horiz. accuracy : 30ppm *** Estimated relative uncertainty to adjacent marks*

Positional uncertainty (m) : 0.02 (95% Confidence level)

Error Ellipse

Semi-major axis (m) : 0.020

Semi-minor axis (m) : 0.019

Azimuth of semi-major axis (m) : 39 46 28

*** Projection coordinates are calculated from the geographical coordinates detailed above*

Project Grid - PCG2020

Perth Coastal Grid 2020

Easting (m) : 48055.229

Northing (m) : 367935.944

Convergence : -0 0 39.13

Point scale factor : 0.99999911

Height Information

Vertical datum : **AHD71**

Height (m) : **9.753**

Established by : Dept of Land Admin.

Vertical method : Spirit Levelling

Derived GDA2020 ellipsoidal height (m) : -23.134

Height type : **Orthometric**

Height date : 04/05/2000

State : Final

Vertical accuracy : 12rootK

N-Value (m) : -32.887

Geoid model : AusGeoid2020

Interpolation : Bi-Cubic

*** Derived GDA2020 ellipsoidal height: $h = H + N$*

Mark to hatch cover : **0.098**

Mark to ground level :

RM Info

*** **Warning:** RM azimuths and coordinates are unverified*

*** Azimuth, distance and height difference are relative to main mark*

<u>RM1</u>	Phys. status : destroyed Phys. type : spike Azimuth : 220 20 36 Distance (m) : 3.422 Height diff. (m) : 0.095 RM to GL (m) : None	Date : 07/04/1992 Set in : between concrete slabs Type : True azimuth Type : Horizontal Type : Spirit Levelling
<u>RM2</u>	Phys. status : located Phys. type : spike Azimuth : 62 48 56 Distance (m) : 3.372 Height diff. (m) : -0.116 RM to GL (m) : None	Date : 07/12/1995 Set in : concrete Type : True azimuth Type : Horizontal Type : Spirit Levelling
<u>RM3</u>	Phys. status : located Phys. type : spike Azimuth : 160 33 46 Distance (m) : 2.621 Height diff. (m) : -0.112 RM to GL (m) : None	Date : 07/12/1995 Set in : concrete Type : True azimuth Type : Horizontal Type : Spirit Levelling
<u>RM4</u>	Phys. status : established Phys. type : deck spike Azimuth : 125 6 59 Distance (m) : 8.064 Height diff. (m) : -0.043 RM to GL (m) : 0.000	Date : 07/12/1995 Set in : bitumen Type : True azimuth Type : Horizontal Type : Spirit Levelling
<u>RM5</u>	Phys. status : established Phys. type : deck spike Azimuth : 218 3 14 Distance (m) : 6.621 Height diff. (m) : 0.170 RM to GL (m) : None	Date : 07/12/1995 Set in : footpath Type : True azimuth Type : Horizontal Type : Spirit Levelling

RM Position Information** **Warning:** RM coordinates should be verified prior to use

** Coordinates are calculated from reference observations

** Coordinate accuracies commensurate with related observations

RM1**Geographical Coordinates**Horizontal datum : **GDA2020**Latitude : **S 31 54 42.39930**Longitude : **E 115 47 45.89454****Project Grid - PCG2020****Height Information**Vertical datum : **AHD71**Height (m) : **9.848****MGA2020 Coordinates**

Zone : 50

Easting (m) : 386171.019

Northing (m) : 6468710.799

Perth Coastal Grid 2020

Easting (m) : 48053.015

Northing (m) : 367933.335

RM2**Geographical Coordinates**Horizontal datum : **GDA2020**Latitude : **S 31 54 42.26461**Longitude : **E 115 47 46.09303****Project Grid - PCG2020****Height Information**Vertical datum : **AHD71****MGA2020 Coordinates**

Zone : 50

Easting (m) : 386176.186

Northing (m) : 6468715.004

Perth Coastal Grid 2020

Easting (m) : 48058.229

Northing (m) : 367937.485

Height (m) : 9.637

RM3

Geographical Coordinates

Horizontal datum : GDA2020

Latitude : S 31 54 42.39486

Longitude : E 115 47 46.01206

Project Grid - PCG2020

Height Information

Vertical datum : AHD71

Height (m) : 9.641

MGA2020 Coordinates

Zone : 50

Easting (m) : 386174.104

Northing (m) : 6468710.970

Perth Coastal Grid 2020

Easting (m) : 48056.102

Northing (m) : 367933.472

RM4

Geographical Coordinates

Horizontal datum : GDA2020

Latitude : S 31 54 42.46522

Longitude : E 115 47 46.22992

Project Grid - PCG2020

Height Information

Vertical datum : AHD71

Height (m) : 9.710

MGA2020 Coordinates

Zone : 50

Easting (m) : 386179.850

Northing (m) : 6468708.867

Perth Coastal Grid 2020

Easting (m) : 48061.826

Northing (m) : 367931.306

RM5

Geographical Coordinates

Horizontal datum : GDA2020

Latitude : S 31 54 42.48388

Longitude : E 115 47 45.82352

Project Grid - PCG2020

Height Information

Vertical datum : AHD71

Height (m) : 9.923

MGA2020 Coordinates

Zone : 50

Easting (m) : 386169.182

Northing (m) : 6468708.174

Perth Coastal Grid 2020

Easting (m) : 48051.149

Northing (m) : 367930.730

Cadastral Connection Fieldbooks

DLI 93721

G.GESTE 130

LG 106773

LG 140848

Special Notes

No Special Notes for this mark

ITRF 2014

GDA2020 coordinates are equivalent to ITRF2014@2020.0. ITRF2014 coordinates can be determined by application of a plate model transformation. For general and technical information on GDA2020 see <http://www.icsm.gov.au/what-we-do/geocentric-datum-australia>



SSM WEMBLEY 39

Alternate names :
 APREF/NGCA codes:
 Stamp name: WEM39
 Physical status : **located (G.H.D. Surveys)**
 Physical type : brass plaque
 Mark set in : concrete

Map ref.: WEMBLEY BG34 2.6
 Database number : 102436
 Date established : 01/03/1973
 Phys. status date : 26/06/2018
 Hatch cover type : metal
 Access type : 2 wheel drive

Geographical Coordinates

Horizontal datum : **GDA94**
 Latitude : **S 31 54 42.36297**
 Longitude : **E 115 47 45.93971**

MGA94 Coordinates

Zone : 50
 Easting (m) : 386172.193
 Northing (m) : 6468711.931
 Convergence : -0 38 11.29
 Point scale factor : 0.99975979

Coordinate date : 09/10/2000

Horizontal method : Geodetic-Terrestrial

Cadastral connection : Exists

Relative horiz. accuracy : 20ppm *** Estimated relative uncertainty to adjacent marks*

Positional uncertainty (m) : 0.015 (95% Confidence level)

Error Ellipse

Semi-major axis (m) : 0.016
 Semi-minor axis (m) : 0.014
 Azimuth of semi-major axis (m) : 24 0 0

*** Projection coordinates are calculated from the geographical coordinates detailed above*

Project Grid - PCG94**Perth Coastal Grid 1994**

Easting (m) : 48054.201
 Northing (m) : 267934.454
 Convergence : -0 0 39.15
 Point scale factor : 0.99999911

Height Information

Vertical datum : **AHD71**
 Height (m) : **9.753**
 Established by : Dept of Land Admin.
 Vertical method : Spirit Levelling
 Derived GDA94 ellipsoidal height (m) : -23.073

Height type : **Orthometric**
 Height date : 04/05/2000
 State : Final
 Vertical accuracy : 12rootK
 N-Value (m) : -32.826
 Geoid model : AUSGeoid09 V1.01
 Interpolation : Bi-Cubic

*** Derived GDA94 ellipsoidal height: $h = H + N$*

Mark to hatch cover : **0.098**

Mark to ground level :

RM Info

*** **Warning:** RM azimuths and coordinates are unverified*

*** Azimuth, distance and height difference are relative to main mark*

RM1

Phys. status : **destroyed**
 Phys. type : spike
 Azimuth : 220 20 36
 Distance (m) : 3.422
 Height diff. (m) : 0.095
 RM to GL (m) : None

Date : 07/04/1992
 Set in : between concrete slabs
 Type : True azimuth
 Type : Horizontal
 Type : Spirit Levelling

RM2

Phys. status : located
 Phys. type : spike
 Azimuth : 62 48 56
 Distance (m) : 3.372
 Height diff. (m) : -0.116
 RM to GL (m) : None

Date : 07/12/1995
 Set in : concrete
 Type : True azimuth
 Type : Horizontal
 Type : Spirit Levelling

RM3

Phys. status : located
 Phys. type : spike
 Azimuth : 160 33 46

Date : 07/12/1995
 Set in : concrete
 Type : True azimuth

Distance (m) : 2.621
 Height diff. (m) : -0.112
 RM to GL (m) : None

Type : Horizontal
 Type : Spirit Levelling

RM4

Phys. status : established
 Phys. type : deck spike
 Azimuth : 125 6 59
 Distance (m) : 8.064
 Height diff. (m) : -0.043
 RM to GL (m) : 0.000

Date : 07/12/1995
 Set in : bitumen
 Type : True azimuth
 Type : Horizontal
 Type : Spirit Levelling

RM5

Phys. status : established
 Phys. type : deck spike
 Azimuth : 218 3 14
 Distance (m) : 6.621
 Height diff. (m) : 0.170
 RM to GL (m) : None

Date : 07/12/1995
 Set in : footpath
 Type : True azimuth
 Type : Horizontal
 Type : Spirit Levelling

RM Position Information

**** Warning:** RM coordinates should be verified prior to use
 ** Coordinates are calculated from reference observations
 ** Coordinate accuracies commensurate with related observations

RM1**Geographical Coordinates**

Horizontal datum : **GDA94**
 Latitude : **S 31 54 42.44765**
 Longitude : **E 115 47 45.85539**

MGA94 Coordinates

Zone : 50
 Easting (m) : 386170.007
 Northing (m) : 6468709.299

Project Grid - PCG94**Perth Coastal Grid 1994**

Easting (m) : 48051.986
 Northing (m) : 267931.846

Height Information

Vertical datum : **AHD71**
 Height (m) : **9.848**

RM2**Geographical Coordinates**

Horizontal datum : **GDA94**
 Latitude : **S 31 54 42.31295**
 Longitude : **E 115 47 46.05388**

MGA94 Coordinates

Zone : 50
 Easting (m) : 386175.174
 Northing (m) : 6468713.504

Project Grid - PCG94**Perth Coastal Grid 1994**

Easting (m) : 48057.200
 Northing (m) : 267935.996

Height Information

Vertical datum : **AHD71**
 Height (m) : **9.637**

RM3**Geographical Coordinates**

Horizontal datum : **GDA94**
 Latitude : **S 31 54 42.44321**
 Longitude : **E 115 47 45.97291**

MGA94 Coordinates

Zone : 50
 Easting (m) : 386173.092
 Northing (m) : 6468709.470

Project Grid - PCG94**Perth Coastal Grid 1994**

Easting (m) : 48055.074
 Northing (m) : 267931.983

Height Information

Vertical datum : **AHD71**
 Height (m) : **9.641**

RM4**Geographical Coordinates**Horizontal datum : **GDA94**Latitude : **S 31 54 42.51357**Longitude : **E 115 47 46.19077****Project Grid - PCG94****Height Information**Vertical datum : **AHD71**Height (m) : **9.710****MGA94 Coordinates**

Zone : 50

Easting (m) : 386178.838

Northing (m) : 6468707.367

Perth Coastal Grid 1994

Easting (m) : 48060.798

Northing (m) : 267929.817

RM5**Geographical Coordinates**Horizontal datum : **GDA94**Latitude : **S 31 54 42.53223**Longitude : **E 115 47 45.78437****Project Grid - PCG94****Height Information**Vertical datum : **AHD71**Height (m) : **9.923****MGA94 Coordinates**

Zone : 50

Easting (m) : 386168.171

Northing (m) : 6468706.674

Perth Coastal Grid 1994

Easting (m) : 48050.121

Northing (m) : 267929.240

Cadastral Connection Fieldbooks

DLI 93721

G.GESTE 130

LG 106773

LG 140848

Special Notes

No Special Notes for this mark

Geodetic On-Line Access (GOLA)

To enter the monthly prize draw for a \$100 voucher to major retailers, use the SLIP Geodetic Portal button ...



Send status update

Mark Details

(GOLA last updated on 19-Feb-2020)



SSM WEMBLEY 107A

Alternate names :

APREF/NGCA codes:

Stamp name: WEM107A

Physical status : **located (Dept of Land Admin.)**

Physical type : brass plaque

Mark set in : concrete

Geographical Coordinates

Horizontal datum : **GDA2020**

Latitude : **S 31 54 56.80959**

Longitude : **E 115 47 39.16586**

Coordinate date : 15/08/2018

Horizontal method : Geodetic-Terrestrial

Relative horiz. accuracy : 40ppm *** Estimated relative uncertainty to adjacent marks*

Positional uncertainty (m) : 0.02 (95% Confidence level)

Error Ellipse

Semi-major axis (m) : 0.021

Semi-minor axis (m) : 0.020

Azimuth of semi-major axis (m) : 31 11 56

*** Projection coordinates are calculated from the geographical coordinates detailed above*

Project Grid - PCG2020

Map ref.: WEMBLEY BG34 2.6

Database number : 837143

Date established : 24/10/1990

Phys. status date : 03/08/2006

Hatch cover type : clay

Access type : 2 wheel drive

MGA2020 Coordinates

Zone : 50

Easting (m) : 385999.225

Northing (m) : 6468265.110

Convergence : -0 38 15.13

Point scale factor : 0.99976028

Cadastral connection : No

Perth Coastal Grid 2020

Easting (m) : 47876.323

Northing (m) : 367489.442

Convergence : -0 0 42.73

Point scale factor : 0.99999912

Height Information

Vertical datum : **AHD71**

Height (m) : **9.998**

Established by : Dept of Land Admin.

Vertical method : Spirit Levelling

Derived GDA2020 ellipsoidal height (m) : -22.893

*** Derived GDA2020 ellipsoidal height: $h = H + N$*

Height type : **Orthometric**

Height date : 04/05/2000

State : Final

Vertical accuracy : 12rootK

N-Value (m) : -32.891

Geoid model : AusGeoid2020

Interpolation : Bi-Cubic

Mark to hatch cover : **0.158**

Mark to ground level :

RM Info

*** Warning: RM azimuths and coordinates are unverified*

*** Azimuth, distance and height difference are relative to main mark*

RM5	Phys. status : located Phys. type : spike Azimuth : 81 52 43 Distance (m) : 4.100 Height diff. (m) : -0.208 RM to GL (m) : None	Date : 22/06/1993 Set in : concrete Type : True azimuth Type : Horizontal Type : Spirit Levelling
RM6	Phys. status : located Phys. type : spike Azimuth : 180 2 3 Distance (m) : 3.116 Height diff. (m) : -0.026 RM to GL (m) : 0.000	Date : 22/06/1993 Set in : bitumen Type : True azimuth Type : Horizontal Type : Spirit Levelling
RM7	Phys. status : established Phys. type : spike Azimuth : 260 32 43 Distance (m) : 3.492 Height diff. (m) : -0.028 RM to GL (m) : None	Date : 24/10/1990 Set in : concrete Type : True azimuth Type : Horizontal Type : Spirit Levelling

RM Position Information

**** Warning:** RM coordinates should be verified prior to use
**** Coordinates are calculated from reference observations**
**** Coordinate accuracies commensurate with related observations**

RM5**Geographical Coordinates**

Horizontal datum : **GDA2020**
Latitude : **S 31 54 56.79079**
Longitude : **E 115 47 39.32035**

MGA2020 Coordinates

Zone : 50
Easting (m) : 386003.277
Northing (m) : 6468265.734

Project Grid - PCG2020**Perth Coastal Grid 2020**

Easting (m) : 47880.381
Northing (m) : 367490.022

Height Information

Vertical datum : **AHD71**
Height (m) : **9.790**

RM6**Geographical Coordinates**

Horizontal datum : **GDA2020**
Latitude : **S 31 54 56.91075**
Longitude : **E 115 47 39.16579**

MGA2020 Coordinates

Zone : 50
Easting (m) : 385999.258
Northing (m) : 6468261.995

Project Grid - PCG2020**Perth Coastal Grid 2020**

Easting (m) : 47876.321
Northing (m) : 367486.326

Height Information

Vertical datum : **AHD71**
Height (m) : **9.972**

RM7**Geographical Coordinates**

Horizontal datum : **GDA2020**
Latitude : **S 31 54 56.82821**
Longitude : **E 115 47 39.03475**

MGA2020 Coordinates

Zone : 50
Easting (m) : 385995.788
Northing (m) : 6468264.498

Project Grid - PCG2020**Perth Coastal Grid 2020**

Easting (m) : 47872.878
Northing (m) : 367488.868

Height Information

Vertical datum : **AHD71**
 Height (m) : **9.970**

Cadastral Connection Fieldbooks

No Fieldbooks for this mark

Special Notes

Unknown Date SSM is painted on side of kerb. WEM 107A, WEM 107A RM5 and WEM 107 are colinear.

ITRF 2014

GDA2020 coordinates are equivalent to ITRF2014@2020.0. ITRF2014 coordinates can be determined by application of a plate model transformation. For general and technical information on GDA2020 see <http://www.icsm.gov.au/what-we-do/geocentric-datum-australia>



SSM WEMBLEY 107A

Alternate names :
 APREF/NGCA codes:
 Stamp name: WEM107A
 Physical status : **located (Dept of Land Admin.)**
 Physical type : brass plaque
 Mark set in : concrete

Map ref.: WEMBLEY BG34 2.6
 Database number : 837143
 Date established : 24/10/1990
 Phys. status date : 03/08/2006
 Hatch cover type : clay
 Access type : 2 wheel drive

Geographical Coordinates

Horizontal datum : **GDA94**
 Latitude : **S 31 54 56.85784**
 Longitude : **E 115 47 39.12683**

MGA94 Coordinates

Zone : 50
 Easting (m) : 385998.217
 Northing (m) : 6468263.613
 Convergence : -0 38 15.15
 Point scale factor : 0.99976028

Coordinate date : 09/10/2000
 Horizontal method : Geodetic-Terrestrial

Cadastral connection : No

Relative horiz. accuracy : 20ppm *** Estimated relative uncertainty to adjacent marks*
Positional uncertainty (m) : 0.018 (95% Confidence level)

Error Ellipse

Semi-major axis (m) : 0.019
 Semi-minor axis (m) : 0.016
 Azimuth of semi-major axis (m) : 14 0 0

*** Projection coordinates are calculated from the geographical coordinates detailed above*

Project Grid - PCG94

Perth Coastal Grid 1994

Easting (m) : 47875.298
 Northing (m) : 267487.956
 Convergence : -0 0 42.76
 Point scale factor : 0.99999912

Height Information

Vertical datum : **AHD71**
 Height (m) : **9.998**
 Established by : Dept of Land Admin.
 Vertical method : Spirit Levelling
 Derived GDA94 ellipsoidal height (m) : -22.835

Height type : **Orthometric**
 Height date : 04/05/2000
 State : Final
 Vertical accuracy : 12rootK
N-Value (m) : -32.833
 Geoid model : AUSGeoid09 V1.01
 Interpolation : Bi-Cubic

*** Derived GDA94 ellipsoidal height: $h = H + N$*

Mark to hatch cover : **0.158**
 Mark to ground level :

RM Info**** Warning:** RM azimuths and coordinates are unverified****** Azimuth, distance and height difference are relative to main mark**RM5**

Phys. status : located

Date : 22/06/1993

Phys. type : spike

Set in : concrete

Azimuth : 81 52 43

Type : True azimuth

Distance (m) : 4.100

Type : Horizontal

Height diff. (m) : -0.208

Type : Spirit Levelling

RM to GL (m) : None

RM6

Phys. status : located

Date : 22/06/1993

Phys. type : spike

Set in : bitumen

Azimuth : 180 2 3

Type : True azimuth

Distance (m) : 3.116

Type : Horizontal

Height diff. (m) : -0.026

Type : Spirit Levelling

RM to GL (m) : 0.000

RM7

Phys. status : established

Date : 24/10/1990

Phys. type : spike

Set in : concrete

Azimuth : 260 32 43

Type : True azimuth

Distance (m) : 3.492

Type : Horizontal

Height diff. (m) : -0.028

Type : Spirit Levelling

RM to GL (m) : None

RM Position Information**** Warning:** RM coordinates should be verified prior to use****** Coordinates are calculated from reference observations****** Coordinate accuracies commensurate with related observations**RM5****Geographical Coordinates**Horizontal datum : **GDA94**Latitude : **S 31 54 56.83904**Longitude : **E 115 47 39.28133****MGA94 Coordinates**

Zone : 50

Easting (m) : 386002.268

Northing (m) : 6468264.237

Project Grid - PCG94**Perth Coastal Grid 1994**

Easting (m) : 47879.356

Northing (m) : 267488.536

Height InformationVertical datum : **AHD71**Height (m) : **9.790****RM6****Geographical Coordinates**Horizontal datum : **GDA94**Latitude : **S 31 54 56.95901**Longitude : **E 115 47 39.12676****MGA94 Coordinates**

Zone : 50

Easting (m) : 385998.250

Northing (m) : 6468260.498

Project Grid - PCG94**Perth Coastal Grid 1994**

Easting (m) : 47875.296

Northing (m) : 267484.840

Height InformationVertical datum : **AHD71**Height (m) : **9.972****RM7****Geographical Coordinates**Horizontal datum : **GDA94**Latitude : **S 31 54 56.87646**Longitude : **E 115 47 38.99572****MGA94 Coordinates**

Zone : 50

Easting (m) : 385994.780

Northing (m) : 6468263.001

Project Grid - PCG94**Perth Coastal Grid 1994**

Easting (m) : 47871.853
Northing (m) : 267487.382

Height Information
Vertical datum : **AHD71**
Height (m) : **9.970**

Cadastral Connection Fieldbooks
No Fieldbooks for this mark

Special Notes
Unknown Date SSM is painted on side of kerb. WEM 107A, WEM 107A RM5 and WEM 107 are colinear.

Geodetic On-Line Access (GOLA)

To enter the monthly prize draw for a \$100 voucher to major retailers, use the SLIP Geodetic Portal button ...



Send status update

Mark Details

(GOLA last updated on 19-Feb-2020)



SSM WEMBLEY 111

Alternate names :

APREF/NGCA codes:

Stamp name: WEM111

Physical status : **located (Dept of Land Admin.)**

Physical type : brass plaque

Mark set in : concrete

Geographical Coordinates

Horizontal datum : **GDA2020**

Latitude : **S 31 55 01.06118**

Longitude : **E 115 47 45.02282**

Coordinate date : 15/08/2018

Horizontal method : Geodetic-Terrestrial

Relative horiz. accuracy : 60ppm *** Estimated relative uncertainty to adjacent marks*

Positional uncertainty (m) : 0.021 (95% Confidence level)

Error Ellipse

Semi-major axis (m) : 0.022

Semi-minor axis (m) : 0.021

Azimuth of semi-major axis (m) : 38 2 32

*** Projection coordinates are calculated from the geographical coordinates detailed above*

Project Grid - PCG2020

Map ref.: WEMBLEY BG34 2.6

Database number : 843372

Date established : 14/10/1991

Phys. status date : 16/12/2002

Hatch cover type : concrete

Access type : 2 wheel drive

MGA2020 Coordinates

Zone : 50

Easting (m) : 386154.508

Northing (m) : 6468135.905

Convergence : -0 38 12.10

Point scale factor : 0.99975984

Cadastral connection : Exists

Perth Coastal Grid 2020

Easting (m) : 48030.222

Northing (m) : 367358.518

Convergence : -0 0 39.64

Point scale factor : 0.99999911

Height Information

Vertical datum : **AHD71**

Height (m) : **8.833**

Established by : Dept of Land Admin.

Vertical method : Spirit Levelling

Derived GDA2020 ellipsoidal height (m) : -24.052

*** Derived GDA2020 ellipsoidal height: $h = H + N$*

Height type : **Orthometric**

Height date : 04/05/2000

State : Final

Vertical accuracy : 12rootK

N-Value (m) : -32.885

Geoid model : AusGeoid2020

Interpolation : Bi-Cubic

Mark to hatch cover : **0.065**

Mark to ground level :

RM Info

*** Warning: RM azimuths and coordinates are unverified*

*** Azimuth, distance and height difference are relative to main mark*

RM1	Phys. status : located Phys. type : spike Azimuth : 245 55 55 Distance (m) : 2.703 Height diff. (m) : -0.167 RM to GL (m) : 0.300	Date : 20/12/1991 Set in : concrete Type : True azimuth Type : Horizontal Type : Spirit Levelling
RM2	Phys. status : located Phys. type : spike Azimuth : 340 44 55 Distance (m) : 1.167 Height diff. (m) : -0.156 RM to GL (m) : 0.300	Date : 20/12/1991 Set in : concrete Type : True azimuth Type : Horizontal Type : Spirit Levelling
RM3	Phys. status : located Phys. type : spike Azimuth : 67 15 55 Distance (m) : 2.076 Height diff. (m) : -0.144 RM to GL (m) : 0.300	Date : 20/12/1991 Set in : concrete Type : True azimuth Type : Horizontal Type : Spirit Levelling

RM Position Information

**** Warning:** RM coordinates should be verified prior to use
**** Coordinates are calculated from reference observations**
**** Coordinate accuracies commensurate with related observations**

RM1**Geographical Coordinates**

Horizontal datum : **GDA2020**
Latitude : **S 31 55 01.09697**
Longitude : **E 115 47 44.92888**

Project Grid - PCG2020**Height Information**

Vertical datum : **AHD71**
Height (m) : **8.666**

MGA2020 Coordinates

Zone : 50
Easting (m) : 386152.053
Northing (m) : 6468134.775

Perth Coastal Grid 2020

Easting (m) : 48027.754
Northing (m) : 367357.415

RM2**Geographical Coordinates**

Horizontal datum : **GDA2020**
Latitude : **S 31 55 01.02541**
Longitude : **E 115 47 45.00817**

Project Grid - PCG2020**Height Information**

Vertical datum : **AHD71**
Height (m) : **8.677**

MGA2020 Coordinates

Zone : 50
Easting (m) : 386154.111
Northing (m) : 6468137.002

Perth Coastal Grid 2020

Easting (m) : 48029.837
Northing (m) : 367359.620

RM3**Geographical Coordinates**

Horizontal datum : **GDA2020**
Latitude : **S 31 55 01.03513**
Longitude : **E 115 47 45.09570**

Project Grid - PCG2020**Height Information****MGA2020 Coordinates**

Zone : 50
Easting (m) : 386156.413
Northing (m) : 6468136.728

Perth Coastal Grid 2020

Easting (m) : 48032.137
Northing (m) : 367359.321

Vertical datum : **AHD71**
 Height (m) : **8.689**

Cadastral Connection Fieldbooks

LTO FB 61504

Special Notes

No Special Notes for this mark

ITRF 2014

GDA2020 coordinates are equivalent to ITRF2014@2020.0. ITRF2014 coordinates can be determined by application of a plate model transformation. For general and technical information on GDA2020 see <http://www.icsm.gov.au/what-we-do/geocentric-datum-australia>



SSM WEMBLEY 111

Alternate names :
 APREF/NGCA codes:
 Stamp name: WEM111
 Physical status : **located (Dept of Land Admin.)**
 Physical type : brass plaque
 Mark set in : concrete

Map ref.: WEMBLEY BG34 2.6
 Database number : 843372
 Date established : 14/10/1991
 Phys. status date : 16/12/2002
 Hatch cover type : concrete
 Access type : 2 wheel drive

Geographical Coordinates

Horizontal datum : **GDA94**
 Latitude : **S 31 55 01.10947**
 Longitude : **E 115 47 44.98348**

MGA94 Coordinates

Zone : 50
 Easting (m) : 386153.492
 Northing (m) : 6468134.406
 Convergence : -0 38 12.13
 Point scale factor : 0.99975984

Coordinate date : 09/10/2000
 Horizontal method : Transformed

Cadastral connection : Exists

Relative horiz. accuracy : 80ppm ** *Estimated relative uncertainty to adjacent marks*
Positional uncertainty (m) : 0.1 (95% Confidence level)

** *Projection coordinates are calculated from the geographical coordinates detailed above*

Project Grid - PCG94

Perth Coastal Grid 1994

Easting (m) : 48029.189
 Northing (m) : 267357.030
 Convergence : -0 0 39.66
 Point scale factor : 0.99999911

Height Information

Vertical datum : **AHD71**
Height (m) : 8.833
 Established by : Dept of Land Admin.
 Vertical method : Spirit Levelling
 Derived GDA94 ellipsoidal height (m) : -23.993

Height type : **Orthometric**
 Height date : 04/05/2000
 State : Final
 Vertical accuracy : 12rootK
N-Value (m) : -32.826
 Geoid model : AUSGeoid09 V1.01
 Interpolation : Bi-Cubic

** *Derived GDA94 ellipsoidal height: $h = H + N$*

Mark to hatch cover : **0.065**

Mark to ground level :

RM Info

** **Warning:** RM azimuths and coordinates are unverified

** Azimuth, distance and height difference are relative to main mark

RM1

Phys. status : located
 Phys. type : spike

Date : 20/12/1991
 Set in : concrete

Azimuth : 245 55 55
 Distance (m) : 2.703
 Height diff. (m) : -0.167
 RM to GL (m) : 0.300

Type : True azimuth
 Type : Horizontal
 Type : Spirit Levelling

RM2

Phys. status : located
 Phys. type : spike
 Azimuth : 340 44 55
 Distance (m) : 1.167
 Height diff. (m) : -0.156
 RM to GL (m) : 0.300

Date : 20/12/1991
 Set in : concrete
 Type : True azimuth
 Type : Horizontal
 Type : Spirit Levelling

RM3

Phys. status : located
 Phys. type : spike
 Azimuth : 67 15 55
 Distance (m) : 2.076
 Height diff. (m) : -0.144
 RM to GL (m) : 0.300

Date : 20/12/1991
 Set in : concrete
 Type : True azimuth
 Type : Horizontal
 Type : Spirit Levelling

RM Position Information

**** Warning:** RM coordinates should be verified prior to use
 ** Coordinates are calculated from reference observations
 ** Coordinate accuracies commensurate with related observations

RM1**Geographical Coordinates**

Horizontal datum : **GDA94**
 Latitude : **S 31 55 01.14526**
 Longitude : **E 115 47 44.88954**

MGA94 Coordinates

Zone : 50
 Easting (m) : 386151.037
 Northing (m) : 6468133.277

Project Grid - PCG94**Perth Coastal Grid 1994**

Easting (m) : 48026.721
 Northing (m) : 267355.927

Height Information

Vertical datum : **AHD71**
 Height (m) : **8.666**

RM2**Geographical Coordinates**

Horizontal datum : **GDA94**
 Latitude : **S 31 55 01.07370**
 Longitude : **E 115 47 44.96883**

MGA94 Coordinates

Zone : 50
 Easting (m) : 386153.095
 Northing (m) : 6468135.503

Project Grid - PCG94**Perth Coastal Grid 1994**

Easting (m) : 48028.804
 Northing (m) : 267358.132

Height Information

Vertical datum : **AHD71**
 Height (m) : **8.677**

RM3**Geographical Coordinates**

Horizontal datum : **GDA94**
 Latitude : **S 31 55 01.08342**
 Longitude : **E 115 47 45.05636**

MGA94 Coordinates

Zone : 50
 Easting (m) : 386155.397
 Northing (m) : 6468135.230

Project Grid - PCG94**Perth Coastal Grid 1994**

Easting (m) : 48031.103
 Northing (m) : 267357.833

Height Information

Vertical datum : **AHD71**
 Height (m) : **8.689**

Cadastral Connection Fieldbooks

LTO FB 61504

Special Notes

No Special Notes for this mark

Geodetic On-Line Access (GOLA)

To enter the monthly prize draw for a \$100 voucher to major retailers, use the SLIP Geodetic Portal button ...



Send status update

Mark Details

(GOLA last updated on 19-Feb-2020)



SSM WEMBLEY 112

Alternate names :

APREF/NGCA codes:

Stamp name: WEM112

Physical status : **located (Dept of Land Admin.)**

Physical type : brass plaque

Mark set in : concrete

Geographical Coordinates

Horizontal datum : **GDA2020**

Latitude : **S 31 54 58.80106**

Longitude : **E 115 47 42.52871**

Map ref.: WEMBLEY BG34 2.6

Database number : 843373

Date established : 14/10/1991

Phys. status date : 16/12/2002

Hatch cover type : concrete

Access type : 2 wheel drive

MGA2020 Coordinates

Zone : 50

Easting (m) : 386088.230

Northing (m) : 6468204.771

Convergence : -0 38 13.38

Point scale factor : 0.99976003

Coordinate date : 15/08/2018

Horizontal method : Geodetic-Terrestrial

Cadastral connection : Exists

Relative horiz. accuracy : 70ppm *** Estimated relative uncertainty to adjacent marks*

Positional uncertainty (m) : 0.021 (95% Confidence level)

Error Ellipse

Semi-major axis (m) : 0.022

Semi-minor axis (m) : 0.021

Azimuth of semi-major axis (m) : 17 55 22

*** Projection coordinates are calculated from the geographical coordinates detailed above*

Project Grid - PCG2020

Perth Coastal Grid 2020

Easting (m) : 47964.684

Northing (m) : 367428.120

Convergence : -0 0 40.96

Point scale factor : 0.99999911

Height Information

Vertical datum : **AHD71**

Height (m) : **9.738**

Established by : Dept of Land Admin.

Vertical method : Spirit Levelling

Derived GDA2020 ellipsoidal height (m) : -23.15

Height type : **Orthometric**

Height date : 04/05/2000

State : Final

Vertical accuracy : 12rootK

N-Value (m) : -32.888

Geoid model : AusGeoid2020

Interpolation : Bi-Cubic

*** Derived GDA2020 ellipsoidal height: $h = H + N$*

Mark to hatch cover : **0.097**

Mark to ground level :

RM Info

*** **Warning:** RM azimuths and coordinates are unverified*

*** Azimuth, distance and height difference are relative to main mark*

<u>RM1</u>	Phys. status : located Phys. type : spike Azimuth : 139 54 54 Distance (m) : 1.940 Height diff. (m) : -0.132 RM to GL (m) : None	Date : 20/12/1991 Set in : concrete Type : True azimuth Type : Horizontal Type : Spirit Levelling
<u>RM2</u>	Phys. status : located Phys. type : spike Azimuth : 304 28 54 Distance (m) : 1.762 Height diff. (m) : -0.157 RM to GL (m) : None	Date : 20/12/1991 Set in : concrete Type : True azimuth Type : Horizontal Type : Spirit Levelling
<u>RM3</u>	Phys. status : located Phys. type : spike Azimuth : 27 24 54 Distance (m) : 1.268 Height diff. (m) : -0.173 RM to GL (m) : None	Date : 20/12/1991 Set in : concrete Type : True azimuth Type : Horizontal Type : Spirit Levelling

RM Position Information

**** Warning:** RM coordinates should be verified prior to use
**** Coordinates** are calculated from reference observations
**** Coordinate accuracies** commensurate with related observations

RM1**Geographical Coordinates**

Horizontal datum : **GDA2020**
Latitude : **S 31 54 58.84925**
Longitude : **E 115 47 42.57626**

MGA2020 Coordinates

Zone : 50
Easting (m) : 386089.495
Northing (m) : 6468203.301

Project Grid - PCG2020**Perth Coastal Grid 2020**

Easting (m) : 47965.933
Northing (m) : 367426.636

Height Information

Vertical datum : **AHD71**
Height (m) : **9.606**

RM2**Geographical Coordinates**

Horizontal datum : **GDA2020**
Latitude : **S 31 54 58.76867**
Longitude : **E 115 47 42.47343**

MGA2020 Coordinates

Zone : 50
Easting (m) : 386086.767
Northing (m) : 6468205.752

Project Grid - PCG2020**Perth Coastal Grid 2020**

Easting (m) : 47963.231
Northing (m) : 367429.117

Height Information

Vertical datum : **AHD71**
Height (m) : **9.581**

RM3**Geographical Coordinates**

Horizontal datum : **GDA2020**
Latitude : **S 31 54 58.76452**
Longitude : **E 115 47 42.55093**

MGA2020 Coordinates

Zone : 50
Easting (m) : 386088.801
Northing (m) : 6468205.902

Project Grid - PCG2020**Perth Coastal Grid 2020**

Easting (m) : 47965.267
Northing (m) : 367429.246

Height Information

Vertical datum : **AHD71**
 Height (m) : **9.565**

Cadastral Connection Fieldbooks

LTO FB 61504

Special Notes

No Special Notes for this mark

ITRF 2014

GDA2020 coordinates are equivalent to ITRF2014@2020.0. ITRF2014 coordinates can be determined by application of a plate model transformation. For general and technical information on GDA2020 see <http://www.icsm.gov.au/what-we-do/geocentric-datum-australia>



SSM WEMBLEY 112

Alternate names :
 APREF/NGCA codes:
 Stamp name: WEM112
 Physical status : **located (Dept of Land Admin.)**
 Physical type : brass plaque
 Mark set in : concrete

Map ref.: WEMBLEY BG34 2.6
 Database number : 843373
 Date established : 14/10/1991
 Phys. status date : 16/12/2002
 Hatch cover type : concrete
 Access type : 2 wheel drive

Geographical Coordinates

Horizontal datum : **GDA94**
 Latitude : **S 31 54 58.84926**
 Longitude : **E 115 47 42.48935**

MGA94 Coordinates

Zone : 50
 Easting (m) : 386087.212
 Northing (m) : 6468203.275
 Convergence : -0 38 13.40
 Point scale factor : 0.99976003

Coordinate date : 09/10/2000
 Horizontal method : Transformed

Cadastral connection : Exists

Relative horiz. accuracy : 80ppm ** *Estimated relative uncertainty to adjacent marks*
Positional uncertainty (m) : 0.1 (95% Confidence level)

** *Projection coordinates are calculated from the geographical coordinates detailed above*

Project Grid - PCG94

Perth Coastal Grid 1994

Easting (m) : 47963.650
 Northing (m) : 267426.635
 Convergence : -0 0 40.98
 Point scale factor : 0.99999911

Height Information

Vertical datum : **AHD71**
 Height (m) : **9.738**
 Established by : Dept of Land Admin.
 Vertical method : Spirit Levelling
 Derived GDA94 ellipsoidal height (m) : -23.091

Height type : **Orthometric**
 Height date : 04/05/2000
 State : Final
 Vertical accuracy : 12rootK
 N-Value (m) : -32.829
 Geoid model : AUSGeoid09 V1.01
 Interpolation : Bi-Cubic

** *Derived GDA94 ellipsoidal height: $h = H + N$*

Mark to hatch cover : **0.097**

Mark to ground level :

RM Info

** **Warning:** RM azimuths and coordinates are unverified

** Azimuth, distance and height difference are relative to main mark

RM1

Phys. status : located
 Phys. type : spike

Date : 20/12/1991
 Set in : concrete

Azimuth : 139 54 54
 Distance (m) : 1.940
 Height diff. (m) : -0.132
 RM to GL (m) : None

Type : True azimuth
 Type : Horizontal
 Type : Spirit Levelling

RM2

Phys. status : located
 Phys. type : spike
 Azimuth : 304 28 54
 Distance (m) : 1.762
 Height diff. (m) : -0.157
 RM to GL (m) : None

Date : 20/12/1991
 Set in : concrete
 Type : True azimuth
 Type : Horizontal
 Type : Spirit Levelling

RM3

Phys. status : located
 Phys. type : spike
 Azimuth : 27 24 54
 Distance (m) : 1.268
 Height diff. (m) : -0.173
 RM to GL (m) : None

Date : 20/12/1991
 Set in : concrete
 Type : True azimuth
 Type : Horizontal
 Type : Spirit Levelling

RM Position Information

**** Warning:** RM coordinates should be verified prior to use
 ** Coordinates are calculated from reference observations
 ** Coordinate accuracies commensurate with related observations

RM1**Geographical Coordinates**

Horizontal datum : **GDA94**
 Latitude : **S 31 54 58.89745**
 Longitude : **E 115 47 42.53690**

MGA94 Coordinates

Zone : 50
 Easting (m) : 386088.478
 Northing (m) : 6468201.805

Project Grid - PCG94**Perth Coastal Grid 1994**

Easting (m) : 47964.899
 Northing (m) : 267425.151

Height Information

Vertical datum : **AHD71**
 Height (m) : **9.606**

RM2**Geographical Coordinates**

Horizontal datum : **GDA94**
 Latitude : **S 31 54 58.81687**
 Longitude : **E 115 47 42.43406**

MGA94 Coordinates

Zone : 50
 Easting (m) : 386085.749
 Northing (m) : 6468204.256

Project Grid - PCG94**Perth Coastal Grid 1994**

Easting (m) : 47962.197
 Northing (m) : 267427.633

Height Information

Vertical datum : **AHD71**
 Height (m) : **9.581**

RM3**Geographical Coordinates**

Horizontal datum : **GDA94**
 Latitude : **S 31 54 58.81271**
 Longitude : **E 115 47 42.51157**

MGA94 Coordinates

Zone : 50
 Easting (m) : 386087.784
 Northing (m) : 6468204.407

Project Grid - PCG94**Perth Coastal Grid 1994**

Easting (m) : 47964.234
 Northing (m) : 267427.761

Height Information

Vertical datum : **AHD71**
 Height (m) : **9.565**

Cadastral Connection Fieldbooks

LTO FB 61504

Special Notes

No Special Notes for this mark

Geodetic On-Line Access (GOLA)

To enter the monthly prize draw for a \$100 voucher to major retailers, use the SLIP Geodetic Portal button ...



Send status update

Mark Details

(GOLA last updated on 19-Feb-2020)



SSM WEMBLEY 113

Alternate names :

APREF/NGCA codes:

Stamp name: WEM113

Physical status : **located (City of Stirling)**

Physical type : brass plaque

Mark set in : concrete

Geographical Coordinates

Horizontal datum : **GDA2020**

Latitude : **S 31 54 57.58781**

Longitude : **E 115 47 45.54692**

Coordinate date : 15/08/2018

Horizontal method : Geodetic-Terrestrial

Relative horiz. accuracy : 70ppm *** Estimated relative uncertainty to adjacent marks*

Positional uncertainty (m) : 0.021 (95% Confidence level)

Error Ellipse

Semi-major axis (m) : 0.022

Semi-minor axis (m) : 0.020

Azimuth of semi-major axis (m) : 22 50 15

*** Projection coordinates are calculated from the geographical coordinates detailed above*

Project Grid - PCG2020

Map ref.: WEMBLEY BG34 2.6

Database number : 843374

Date established : 14/10/1991

Phys. status date : 22/08/2008

Hatch cover type : concrete

Access type : 2 wheel drive

MGA2020 Coordinates

Zone : 50

Easting (m) : 386167.085

Northing (m) : 6468243.010

Convergence : -0 38 11.77

Point scale factor : 0.99975981

Cadastral connection : Exists

Perth Coastal Grid 2020

Easting (m) : 48043.971

Northing (m) : 367465.505

Convergence : -0 0 39.36

Point scale factor : 0.99999911

Height Information

Vertical datum : **AHD71**

Height (m) : **8.558**

Established by : Dept of Land Admin.

Vertical method : Spirit Levelling

Derived GDA2020 ellipsoidal height (m) : -24.326

Height type : **Orthometric**

Height date : 04/05/2000

State : Final

Vertical accuracy : 12rootK

N-Value (m) : -32.884

Geoid model : AusGeoid2020

Interpolation : Bi-Cubic

*** Derived GDA2020 ellipsoidal height: $h = H + N$*

Mark to hatch cover : **0.167**

Mark to ground level :

RM Info

*** **Warning:** RM azimuths and coordinates are unverified*

*** Azimuth, distance and height difference are relative to main mark*

RM1	Phys. status : established Phys. type : spike Azimuth : 246 46 46 Distance (m) : 4.250 Height diff. (m) : None RM to GL (m) : None	Date : 14/10/1991 Set in : concrete Type : True azimuth Type : Horizontal Type :
RM2	Phys. status : located Phys. type : spike Azimuth : 326 10 46 Distance (m) : 1.525 Height diff. (m) : -0.114 RM to GL (m) : None	Date : 20/12/1991 Set in : concrete Type : True azimuth Type : Horizontal Type : Spirit Levelling
RM3	Phys. status : located Phys. type : spike Azimuth : 58 41 46 Distance (m) : 6.090 Height diff. (m) : -0.114 RM to GL (m) : None	Date : 20/12/1991 Set in : concrete Type : True azimuth Type : Horizontal Type : Spirit Levelling

RM Position Information

**** Warning:** RM coordinates should be verified prior to use
**** Coordinates** are calculated from reference observations
**** Coordinate accuracies** commensurate with related observations

RM1**Geographical Coordinates**

Horizontal datum : **GDA2020**
Latitude : **S 31 54 57.64221**
Longitude : **E 115 47 45.39826**

MGA2020 Coordinates

Zone : 50
Easting (m) : 386163.199
Northing (m) : 6468241.292

Project Grid - PCG2020**Perth Coastal Grid 2020**

Easting (m) : 48040.065
Northing (m) : 367463.829

Height Information

Vertical datum :
Height (m) : **No height available**

RM2**Geographical Coordinates**

Horizontal datum : **GDA2020**
Latitude : **S 31 54 57.54668**
Longitude : **E 115 47 45.51461**

MGA2020 Coordinates

Zone : 50
Easting (m) : 386166.222
Northing (m) : 6468244.267

Project Grid - PCG2020**Perth Coastal Grid 2020**

Easting (m) : 48043.122
Northing (m) : 367466.772

Height Information

Vertical datum : **AHD71**
Height (m) : **8.444**

RM3**Geographical Coordinates**

Horizontal datum : **GDA2020**
Latitude : **S 31 54 57.48508**
Longitude : **E 115 47 45.74498**

MGA2020 Coordinates

Zone : 50
Easting (m) : 386172.251
Northing (m) : 6468246.231

Project Grid - PCG2020**Perth Coastal Grid 2020**

Easting (m) : 48049.174
Northing (m) : 367468.671

Height Information

Vertical datum : **AHD71**
 Height (m) : **8.444**

Cadastral Connection Fieldbooks

LTO FB 61504

Special Notes

No Special Notes for this mark

ITRF 2014

GDA2020 coordinates are equivalent to ITRF2014@2020.0. ITRF2014 coordinates can be determined by application of a plate model transformation. For general and technical information on GDA2020 see <http://www.icsm.gov.au/what-we-do/geocentric-datum-australia>



SSM WEMBLEY 113

Alternate names :
 APREF/NGCA codes:
 Stamp name: WEM113
 Physical status : **located (City of Stirling)**
 Physical type : brass plaque
 Mark set in : concrete

Map ref.: WEMBLEY BG34 2.6
 Database number : 843374
 Date established : 14/10/1991
 Phys. status date : 22/08/2008
 Hatch cover type : concrete
 Access type : 2 wheel drive

Geographical Coordinates

Horizontal datum : **GDA94**
 Latitude : **S 31 54 57.63603**
 Longitude : **E 115 47 45.50762**

MGA94 Coordinates

Zone : 50
 Easting (m) : 386166.069
 Northing (m) : 6468241.514
 Convergence : -0 38 11.79
 Point scale factor : 0.99975981

Coordinate date : 09/10/2000
 Horizontal method : Transformed

Cadastral connection : Exists

Relative horiz. accuracy : 80ppm ** *Estimated relative uncertainty to adjacent marks*
Positional uncertainty (m) : 0.1 (95% Confidence level)

** *Projection coordinates are calculated from the geographical coordinates detailed above*

Project Grid - PCG94

Perth Coastal Grid 1994

Easting (m) : 48042.939
 Northing (m) : 267464.020
 Convergence : -0 0 39.38
 Point scale factor : 0.99999911

Height Information

Vertical datum : **AHD71**
Height (m) : 8.558
 Established by : Dept of Land Admin.
 Vertical method : Spirit Levelling
 Derived GDA94 ellipsoidal height (m) : -24.268

Height type : **Orthometric**
 Height date : 04/05/2000
 State : Final
 Vertical accuracy : 12rootK
N-Value (m) : -32.826
 Geoid model : AUSGeoid09 V1.01
 Interpolation : Bi-Cubic

** *Derived GDA94 ellipsoidal height: $h = H + N$*

Mark to hatch cover : **0.167**

Mark to ground level :

RM Info

** **Warning:** RM azimuths and coordinates are unverified

** Azimuth, distance and height difference are relative to main mark

RM1

Phys. status : established
 Phys. type : spike

Date : 14/10/1991
 Set in : concrete

Azimuth : 246 46 46
 Distance (m) : 4.250
 Height diff. (m) : None
 RM to GL (m) : None

Type : True azimuth
 Type : Horizontal
 Type :

RM2

Phys. status : located
 Phys. type : spike
 Azimuth : 326 10 46
 Distance (m) : 1.525
 Height diff. (m) : -0.114
 RM to GL (m) : None

Date : 20/12/1991
 Set in : concrete
 Type : True azimuth
 Type : Horizontal
 Type : Spirit Levelling

RM3

Phys. status : located
 Phys. type : spike
 Azimuth : 58 41 46
 Distance (m) : 6.090
 Height diff. (m) : -0.114
 RM to GL (m) : None

Date : 20/12/1991
 Set in : concrete
 Type : True azimuth
 Type : Horizontal
 Type : Spirit Levelling

RM Position Information

**** Warning:** RM coordinates should be verified prior to use
 ** Coordinates are calculated from reference observations
 ** Coordinate accuracies commensurate with related observations

RM1**Geographical Coordinates**

Horizontal datum : **GDA94**
 Latitude : **S 31 54 57.69043**
 Longitude : **E 115 47 45.35896**

MGA94 Coordinates

Zone : 50
 Easting (m) : 386162.183
 Northing (m) : 6468239.796

Project Grid - PCG94**Perth Coastal Grid 1994**

Easting (m) : 48039.033
 Northing (m) : 267462.344

Height Information

Vertical datum :
 Height (m) : **No height available**

RM2**Geographical Coordinates**

Horizontal datum : **GDA94**
 Latitude : **S 31 54 57.59490**
 Longitude : **E 115 47 45.47531**

MGA94 Coordinates

Zone : 50
 Easting (m) : 386165.206
 Northing (m) : 6468242.771

Project Grid - PCG94**Perth Coastal Grid 1994**

Easting (m) : 48042.089
 Northing (m) : 267465.287

Height Information

Vertical datum : **AHD71**
 Height (m) : **8.444**

RM3**Geographical Coordinates**

Horizontal datum : **GDA94**
 Latitude : **S 31 54 57.53330**
 Longitude : **E 115 47 45.70568**

MGA94 Coordinates

Zone : 50
 Easting (m) : 386171.236
 Northing (m) : 6468244.735

Project Grid - PCG94**Perth Coastal Grid 1994**

Easting (m) : 48048.141
 Northing (m) : 267467.185

Height Information

Vertical datum : **AHD71**
 Height (m) : **8.444**

Cadastral Connection Fieldbooks

LTO FB 61504

Special Notes

No Special Notes for this mark

Geodetic On-Line Access (GOLA)

To enter the monthly prize draw for a \$100 voucher to major retailers, use the SLIP Geodetic Portal button ...



Send status update

Mark Details

(GOLA last updated on 19-Feb-2020)



SSM WEMBLEY 114

Alternate names :

APREF/NGCA codes:

Stamp name: WEM114

Physical status : **located (Dept of Land Admin.)**

Physical type : brass plaque

Mark set in : concrete

Geographical Coordinates

Horizontal datum : **GDA2020**

Latitude : **S 31 54 54.30068**

Longitude : **E 115 47 48.19614**

Map ref.: WEMBLEY BG34 2.6

Database number : 843375

Date established : 14/10/1991

Phys. status date : 16/12/2002

Hatch cover type : concrete

Access type : 2 wheel drive

MGA2020 Coordinates

Zone : 50

Easting (m) : 386235.540

Northing (m) : 6468345.001

Convergence : -0 38 10.31

Point scale factor : 0.99975961

Coordinate date : 15/08/2018

Horizontal method : Geodetic-Terrestrial

Cadastral connection : Exists

Relative horiz. accuracy : 50ppm *** Estimated relative uncertainty to adjacent marks*

Positional uncertainty (m) : 0.021 (95% Confidence level)

Error Ellipse

Semi-major axis (m) : 0.022

Semi-minor axis (m) : 0.020

Azimuth of semi-major axis (m) : 4 8 55

*** Projection coordinates are calculated from the geographical coordinates detailed above*

Project Grid - PCG2020

Perth Coastal Grid 2020

Easting (m) : 48113.552

Northing (m) : 367566.767

Convergence : -0 0 37.96

Point scale factor : 0.99999910

Height Information

Vertical datum : **AHD71**

Height (m) : **9.106**

Established by : Dept of Land Admin.

Vertical method : Spirit Levelling

Derived GDA2020 ellipsoidal height (m) : -23.776

Height type : **Orthometric**

Height date : 04/05/2000

State : Final

Vertical accuracy : 12rootK

N-Value (m) : -32.882

Geoid model : AusGeoid2020

Interpolation : Bi-Cubic

*** Derived GDA2020 ellipsoidal height: $h = H + N$*

Mark to hatch cover : **0.17**

Mark to ground level :

RM Info

*** **Warning:** RM azimuths and coordinates are unverified*

*** Azimuth, distance and height difference are relative to main mark*

RM1	Phys. status : located Phys. type : unknown Azimuth : 305 51 53 Distance (m) : 1.430 Height diff. (m) : -0.029 RM to GL (m) : None	Date : 20/12/1991 Set in : unknown Type : True azimuth Type : Horizontal Type : Spirit Levelling
RM2	Phys. status : located Phys. type : unknown Azimuth : 34 33 53 Distance (m) : 2.346 Height diff. (m) : -0.093 RM to GL (m) : None	Date : 20/12/1991 Set in : unknown Type : True azimuth Type : Horizontal Type : Spirit Levelling
RM3	Phys. status : located Phys. type : unknown Azimuth : 210 57 53 Distance (m) : 4.565 Height diff. (m) : -0.136 RM to GL (m) : None	Date : 20/12/1991 Set in : unknown Type : True azimuth Type : Horizontal Type : Spirit Levelling

RM Position Information

**** Warning:** RM coordinates should be verified prior to use
**** Coordinates are calculated from reference observations**
**** Coordinate accuracies commensurate with related observations**

RM1**Geographical Coordinates**

Horizontal datum : **GDA2020**
Latitude : **S 31 54 54.27348**
Longitude : **E 115 47 48.15203**

MGA2020 Coordinates

Zone : 50
Easting (m) : 386234.372
Northing (m) : 6468345.826

Project Grid - PCG2020**Perth Coastal Grid 2020**

Easting (m) : 48112.393
Northing (m) : 367567.604

Height Information

Vertical datum : **AHD71**
Height (m) : **9.077**

RM2**Geographical Coordinates**

Horizontal datum : **GDA2020**
Latitude : **S 31 54 54.23796**
Longitude : **E 115 47 48.24680**

MGA2020 Coordinates

Zone : 50
Easting (m) : 386236.849
Northing (m) : 6468346.947

Project Grid - PCG2020**Perth Coastal Grid 2020**

Easting (m) : 48114.883
Northing (m) : 367568.699

Height Information

Vertical datum : **AHD71**
Height (m) : **9.013**

RM3**Geographical Coordinates**

Horizontal datum : **GDA2020**
Latitude : **S 31 54 54.42777**
Longitude : **E 115 47 48.10674**

MGA2020 Coordinates

Zone : 50
Easting (m) : 386233.235
Northing (m) : 6468341.062

Project Grid - PCG2020**Perth Coastal Grid 2020**

Easting (m) : 48111.204
Northing (m) : 367562.852

Height Information

Vertical datum : **AHD71**
 Height (m) : **8.970**

Cadastral Connection Fieldbooks

LTO FB 61504

Special Notes

No Special Notes for this mark

ITRF 2014

GDA2020 coordinates are equivalent to ITRF2014@2020.0. ITRF2014 coordinates can be determined by application of a plate model transformation. For general and technical information on GDA2020 see <http://www.icsm.gov.au/what-we-do/geocentric-datum-australia>



SSM WEMBLEY 114

Alternate names :
 APREF/NGCA codes:
 Stamp name: WEM114
 Physical status : **located (Dept of Land Admin.)**
 Physical type : brass plaque
 Mark set in : concrete

Map ref.: WEMBLEY BG34 2.6
 Database number : 843375
 Date established : 14/10/1991
 Phys. status date : 16/12/2002
 Hatch cover type : concrete
 Access type : 2 wheel drive

Geographical Coordinates

Horizontal datum : **GDA94**
 Latitude : **S 31 54 54.34887**
 Longitude : **E 115 47 48.15677**

MGA94 Coordinates

Zone : 50
 Easting (m) : 386234.522
 Northing (m) : 6468343.506
 Convergence : -0 38 10.33
 Point scale factor : 0.99975962

Coordinate date : 09/10/2000
 Horizontal method : Transformed

Cadastral connection : Exists

Relative horiz. accuracy : 80ppm ** *Estimated relative uncertainty to adjacent marks*
Positional uncertainty (m) : 0.1 (95% Confidence level)

** *Projection coordinates are calculated from the geographical coordinates detailed above*

Project Grid - PCG94

Perth Coastal Grid 1994

Easting (m) : 48112.518
 Northing (m) : 267565.282
 Convergence : -0 0 37.98
 Point scale factor : 0.99999910

Height Information

Vertical datum : **AHD71**
Height (m) : 9.106
 Established by : Dept of Land Admin.
 Vertical method : Spirit Levelling
 Derived GDA94 ellipsoidal height (m) : -23.717

Height type : **Orthometric**
 Height date : 04/05/2000
 State : Final
 Vertical accuracy : 12rootK
N-Value (m) : -32.823
 Geoid model : AUSGeoid09 V1.01
 Interpolation : Bi-Cubic

** *Derived GDA94 ellipsoidal height: $h = H + N$*

Mark to hatch cover : **0.17**

Mark to ground level :

RM Info

** **Warning:** RM azimuths and coordinates are unverified

** Azimuth, distance and height difference are relative to main mark

RM1

Phys. status : located
 Phys. type : unknown

Date : 20/12/1991
 Set in : unknown

Azimuth : 305 51 53
 Distance (m) : 1.430
 Height diff. (m) : -0.029
 RM to GL (m) : None

Type : True azimuth
 Type : Horizontal
 Type : Spirit Levelling

RM2

Phys. status : located
 Phys. type : unknown
 Azimuth : 34 33 53
 Distance (m) : 2.346
 Height diff. (m) : -0.093
 RM to GL (m) : None

Date : 20/12/1991
 Set in : unknown
 Type : True azimuth
 Type : Horizontal
 Type : Spirit Levelling

RM3

Phys. status : located
 Phys. type : unknown
 Azimuth : 210 57 53
 Distance (m) : 4.565
 Height diff. (m) : -0.136
 RM to GL (m) : None

Date : 20/12/1991
 Set in : unknown
 Type : True azimuth
 Type : Horizontal
 Type : Spirit Levelling

RM Position Information

**** Warning:** RM coordinates should be verified prior to use
 ** Coordinates are calculated from reference observations
 ** Coordinate accuracies commensurate with related observations

RM1**Geographical Coordinates**

Horizontal datum : **GDA94**
 Latitude : **S 31 54 54.32167**
 Longitude : **E 115 47 48.11266**

MGA94 Coordinates

Zone : 50
 Easting (m) : 386233.355
 Northing (m) : 6468344.330

Project Grid - PCG94**Perth Coastal Grid 1994**

Easting (m) : 48111.359
 Northing (m) : 267566.120

Height Information

Vertical datum : **AHD71**
 Height (m) : **9.077**

RM2**Geographical Coordinates**

Horizontal datum : **GDA94**
 Latitude : **S 31 54 54.28615**
 Longitude : **E 115 47 48.20743**

MGA94 Coordinates

Zone : 50
 Easting (m) : 386235.832
 Northing (m) : 6468345.452

Project Grid - PCG94**Perth Coastal Grid 1994**

Easting (m) : 48113.849
 Northing (m) : 267567.214

Height Information

Vertical datum : **AHD71**
 Height (m) : **9.013**

RM3**Geographical Coordinates**

Horizontal datum : **GDA94**
 Latitude : **S 31 54 54.47595**
 Longitude : **E 115 47 48.06737**

MGA94 Coordinates

Zone : 50
 Easting (m) : 386232.218
 Northing (m) : 6468339.566

Project Grid - PCG94**Perth Coastal Grid 1994**

Easting (m) : 48110.170
 Northing (m) : 267561.367

Height Information

Vertical datum : **AHD71**
 Height (m) : **8.970**

Cadastral Connection Fieldbooks

LTO FB 61504

Special Notes

No Special Notes for this mark

Geodetic On-Line Access (GOLA)

To enter the monthly prize draw for a \$100 voucher to major retailers, use the SLIP Geodetic Portal button ...



Send status update

Mark Details

(GOLA last updated on 19-Feb-2020)



SSM WEMBLEY 115

Alternate names :

APREF/NGCA codes:

Stamp name: WEM115

Physical status : **located (Harley Dykstra)**

Physical type : brass plaque

Mark set in : concrete

Geographical Coordinates

Horizontal datum : **GDA2020**

Latitude : **S 31 54 50.14578**

Longitude : **E 115 47 51.53545**

Coordinate date : 15/08/2018

Horizontal method : Geodetic-Terrestrial

Relative horiz. accuracy : 40ppm *** Estimated relative uncertainty to adjacent marks*

Positional uncertainty (m) : 0.021 (95% Confidence level)

Error Ellipse

Semi-major axis (m) : 0.021

Semi-minor axis (m) : 0.021

Azimuth of semi-major axis (m) : 4 9 59

*** Projection coordinates are calculated from the geographical coordinates detailed above*

Project Grid - PCG2020

Map ref.: WEMBLEY BG34 2.6

Database number : 843376

Date established : 28/07/1992

Phys. status date : 05/12/2018

Hatch cover type : concrete

Access type : 2 wheel drive

MGA2020 Coordinates

Zone : 50

Easting (m) : 386321.825

Northing (m) : 6468473.913

Convergence : -0 38 8.47

Point scale factor : 0.99975937

Cadastral connection : Exists

Perth Coastal Grid 2020

Easting (m) : 48201.261

Northing (m) : 367694.760

Convergence : -0 0 36.19

Point scale factor : 0.99999910

Height Information

Vertical datum : **AHD71**

Height (m) : **9.000**

Established by : Hawker Moss Surveyors

Vertical method : Spirit Levelling

Derived GDA2020 ellipsoidal height (m) : -23.879

*** Derived GDA2020 ellipsoidal height: $h = H + N$*

Height type : **Orthometric**

Height date : 04/05/2000

State : Final

Vertical accuracy : 12rootK

N-Value (m) : -32.879

Geoid model : AusGeoid2020

Interpolation : Bi-Cubic

Mark to hatch cover : **0.09**

Mark to ground level :

RM Info

*** **Warning:** RM azimuths and coordinates are unverified*

*** Azimuth, distance and height difference are relative to main mark*

RM1	Phys. status : located Phys. type : spike Azimuth : 217 9 47 Distance (m) : 4.535 Height diff. (m) : -0.291 RM to GL (m) : None	Date : 03/08/1995 Set in : concrete Type : True azimuth Type : Horizontal Type : Spirit Levelling
RM2	Phys. status : located Phys. type : spike Azimuth : 305 59 12 Distance (m) : 1.921 Height diff. (m) : -0.344 RM to GL (m) : None	Date : 03/08/1995 Set in : concrete Type : True azimuth Type : Horizontal Type : Spirit Levelling
RM3	Phys. status : located (Harley Dykstra) Phys. type : spike Azimuth : 32 46 27 Distance (m) : 4.408 Height diff. (m) : -0.360 RM to GL (m) : None	Date : 05/12/2018 Set in : concrete Type : True azimuth Type : Horizontal Type : Spirit Levelling
RM4	Phys. status : located Phys. type : spike Azimuth : 130 11 57 Distance (m) : 0.995 Height diff. (m) : -0.218 RM to GL (m) : None	Date : 11/02/1999 Set in : concrete Type : True azimuth Type : Horizontal Type : Spirit Levelling
RM5	Phys. status : located Phys. type : spike Azimuth : 69 15 57 Distance (m) : 4.050 Height diff. (m) : -0.037 RM to GL (m) : 0.000	Date : 11/02/1999 Set in : bitumen Type : True azimuth Type : Horizontal Type : Spirit Levelling

RM Position Information** **Warning:** RM coordinates should be verified prior to use

** Coordinates are calculated from reference observations

** Coordinate accuracies commensurate with related observations

RM1**Geographical Coordinates**Horizontal datum : **GDA2020**Latitude : **S 31 54 50.26311**Longitude : **E 115 47 51.43118****Project Grid - PCG2020****Height Information**Vertical datum : **AHD71**Height (m) : **8.709****MGA2020 Coordinates**

Zone : 50

Easting (m) : 386319.127

Northing (m) : 6468470.270

Perth Coastal Grid 2020

Easting (m) : 48198.522

Northing (m) : 367691.145

RM2**Geographical Coordinates**Horizontal datum : **GDA2020**Latitude : **S 31 54 50.10913**Longitude : **E 115 47 51.47629****Project Grid - PCG2020****Height Information**Vertical datum : **AHD71****MGA2020 Coordinates**

Zone : 50

Easting (m) : 386320.259

Northing (m) : 6468475.024

Perth Coastal Grid 2020

Easting (m) : 48199.706

Northing (m) : 367695.888

Height (m) : 8.656

RM3

Geographical Coordinates

Horizontal datum : GDA2020

Latitude : S 31 54 50.02545

Longitude : E 115 47 51.62627

Project Grid - PCG2020

Height Information

Vertical datum : AHD71

Height (m) : 8.640

MGA2020 Coordinates

Zone : 50

Easting (m) : 386324.170

Northing (m) : 6468477.645

Perth Coastal Grid 2020

Easting (m) : 48203.646

Northing (m) : 367698.466

RM4

Geographical Coordinates

Horizontal datum : GDA2020

Latitude : S 31 54 50.16663

Longitude : E 115 47 51.56438

Project Grid - PCG2020

Height Information

Vertical datum : AHD71

Height (m) : 8.782

MGA2020 Coordinates

Zone : 50

Easting (m) : 386322.592

Northing (m) : 6468473.279

Perth Coastal Grid 2020

Easting (m) : 48202.021

Northing (m) : 367694.117

RM5

Geographical Coordinates

Horizontal datum : GDA2020

Latitude : S 31 54 50.09923

Longitude : E 115 47 51.67962

Project Grid - PCG2020

Height Information

Vertical datum : AHD71

Height (m) : 8.963

MGA2020 Coordinates

Zone : 50

Easting (m) : 386325.596

Northing (m) : 6468475.388

Perth Coastal Grid 2020

Easting (m) : 48205.048

Northing (m) : 367696.194

Cadastral Connection Fieldbooks

DOLA FB 62872

LG 146177

Special Notes

Unknown Date WEM 115 has been replaced same horiz and vertical position, Aug '95.

ITRF 2014

GDA2020 coordinates are equivalent to ITRF2014@2020.0. ITRF2014 coordinates can be determined by application of a plate model transformation. For general and technical information on GDA2020 see <http://www.icsm.gov.au/what-we-do/geocentric-datum-australia>



SSM WEMBLEY 115

Alternate names :

APREF/NGCA codes:

Map ref.: WEMBLEY BG34 2.6

Database number : 843376

Stamp name: WEM115
 Physical status : **located (Harley Dykstra)**
 Physical type : brass plaque
 Mark set in : concrete

Date established : 28/07/1992
 Phys. status date : 05/12/2018
 Hatch cover type : concrete
 Access type : 2 wheel drive

Geographical Coordinates

Horizontal datum : **GDA94**
 Latitude : **S 31 54 50.19401**
 Longitude : **E 115 47 51.49609**

MGA94 Coordinates

Zone : 50
 Easting (m) : 386320.808
 Northing (m) : 6468472.416
 Convergence : -0 38 8.49
 Point scale factor : 0.99975937

Coordinate date : 09/10/2000
 Horizontal method : Transformed

Cadastral connection : Exists

Relative horiz. accuracy : 80ppm *** Estimated relative uncertainty to adjacent marks*
Positional uncertainty (m) : 0.1 (95% Confidence level)

*** Projection coordinates are calculated from the geographical coordinates detailed above*

Project Grid - PCG94

Perth Coastal Grid 1994

Easting (m) : 48200.227
 Northing (m) : 267693.274
 Convergence : -0 0 36.21
 Point scale factor : 0.99999910

Height Information

Vertical datum : **AHD71**
Height (m) : 9.000
 Established by : Hawker Moss Surveyors
 Vertical method : Spirit Levelling
 Derived GDA94 ellipsoidal height (m) : -23.819

Height type : **Orthometric**
 Height date : 04/05/2000
 State : Final
 Vertical accuracy : 12rootK
N-Value (m) : -32.819
 Geoid model : AUSGeoid09 V1.01
 Interpolation : Bi-Cubic

*** Derived GDA94 ellipsoidal height: $h = H + N$*

Mark to hatch cover : **0.09**
 Mark to ground level :

RM Info

*** **Warning:** RM azimuths and coordinates are unverified*

*** Azimuth, distance and height difference are relative to main mark*

RM1

Phys. status : located
 Phys. type : spike
 Azimuth : 217 9 47
 Distance (m) : 4.535
 Height diff. (m) : -0.291
 RM to GL (m) : None

Date : 03/08/1995
 Set in : concrete
 Type : True azimuth
 Type : Horizontal
 Type : Spirit Levelling

RM2

Phys. status : located
 Phys. type : spike
 Azimuth : 305 59 12
 Distance (m) : 1.921
 Height diff. (m) : -0.344
 RM to GL (m) : None

Date : 03/08/1995
 Set in : concrete
 Type : True azimuth
 Type : Horizontal
 Type : Spirit Levelling

RM3

Phys. status : located (Harley Dykstra)
 Phys. type : spike
 Azimuth : 32 46 27
 Distance (m) : 4.408
 Height diff. (m) : -0.360
 RM to GL (m) : None

Date : 05/12/2018
 Set in : concrete
 Type : True azimuth
 Type : Horizontal
 Type : Spirit Levelling

RM4

Phys. status : located
 Phys. type : spike
 Azimuth : 130 11 57

Date : 11/02/1999
 Set in : concrete
 Type : True azimuth

Distance (m) : 0.995
Height diff. (m) : -0.218
RM to GL (m) : None

Type : Horizontal
Type : Spirit Levelling

RM5

Phys. status : located
Phys. type : spike
Azimuth : 69 15 57
Distance (m) : 4.050
Height diff. (m) : -0.037
RM to GL (m) : 0.000

Date : 11/02/1999
Set in : bitumen
Type : True azimuth
Type : Horizontal
Type : Spirit Levelling

RM Position Information

**** Warning:** RM coordinates should be verified prior to use
** Coordinates are calculated from reference observations
** Coordinate accuracies commensurate with related observations

RM1**Geographical Coordinates**

Horizontal datum : **GDA94**
Latitude : **S 31 54 50.31134**
Longitude : **E 115 47 51.39182**

MGA94 Coordinates

Zone : 50
Easting (m) : 386318.109
Northing (m) : 6468468.773

Project Grid - PCG94**Perth Coastal Grid 1994**

Easting (m) : 48197.488
Northing (m) : 267689.659

Height Information

Vertical datum : **AHD71**
Height (m) : **8.709**

RM2**Geographical Coordinates**

Horizontal datum : **GDA94**
Latitude : **S 31 54 50.15736**
Longitude : **E 115 47 51.43693**

MGA94 Coordinates

Zone : 50
Easting (m) : 386319.241
Northing (m) : 6468473.528

Project Grid - PCG94**Perth Coastal Grid 1994**

Easting (m) : 48198.673
Northing (m) : 267694.402

Height Information

Vertical datum : **AHD71**
Height (m) : **8.656**

RM3**Geographical Coordinates**

Horizontal datum : **GDA94**
Latitude : **S 31 54 50.07368**
Longitude : **E 115 47 51.58691**

MGA94 Coordinates

Zone : 50
Easting (m) : 386323.152
Northing (m) : 6468476.148

Project Grid - PCG94**Perth Coastal Grid 1994**

Easting (m) : 48202.613
Northing (m) : 267696.980

Height Information

Vertical datum : **AHD71**
Height (m) : **8.640**

RM4**Geographical Coordinates**

Horizontal datum : **GDA94**
Latitude : **S 31 54 50.21486**
Longitude : **E 115 47 51.52502**

MGA94 Coordinates

Zone : 50
Easting (m) : 386321.575
Northing (m) : 6468471.783

Project Grid - PCG94**Perth Coastal Grid 1994**

Easting (m) : 48200.987
Northing (m) : 267692.632

Height Information

Vertical datum : **AHD71**
Height (m) : **8.782**

RM5**Geographical Coordinates**

Horizontal datum : **GDA94**
Latitude : **S 31 54 50.14746**
Longitude : **E 115 47 51.64026**

MGA94 Coordinates

Zone : 50
Easting (m) : 386324.579
Northing (m) : 6468473.892

Project Grid - PCG94**Perth Coastal Grid 1994**

Easting (m) : 48204.015
Northing (m) : 267694.708

Height Information

Vertical datum : **AHD71**
Height (m) : **8.963**

Cadastral Connection Fieldbooks

DOLA FB 62872
LG 146177

Special Notes

Unknown Date WEM 115 has been replaced same horiz and vertical position, Aug '95.

Geodetic On-Line Access (GOLA)

To enter the monthly prize draw for a \$100 voucher to major retailers, use the SLIP Geodetic Portal button ...



Send status update

Mark Details

(GOLA last updated on 19-Feb-2020)



SSM WEMBLEY 116

Alternate names :

APREF/NGCA codes:

Stamp name: WEM116

Physical status : **located (Dept of Land Admin.)**

Physical type : brass plaque

Mark set in : concrete

Geographical Coordinates

Horizontal datum : **GDA2020**

Latitude : **S 31 54 49.45954**

Longitude : **E 115 47 48.76686**

Coordinate date : 15/08/2018

Horizontal method : Geodetic-Terrestrial

Relative horiz. accuracy : 80ppm *** Estimated relative uncertainty to adjacent marks*

Positional uncertainty (m) : 0.021 (95% Confidence level)

Error Ellipse

Semi-major axis (m) : 0.022

Semi-minor axis (m) : 0.021

Azimuth of semi-major axis (m) : 162 0 57

*** Projection coordinates are calculated from the geographical coordinates detailed above*

Project Grid - PCG2020

Map ref.: WEMBLEY BG34 2.6

Database number : 843377

Date established : 28/07/1992

Phys. status date : 16/12/2002

Hatch cover type : concrete

Access type : 2 wheel drive

MGA2020 Coordinates

Zone : 50

Easting (m) : 386248.875

Northing (m) : 6468494.237

Convergence : -0 38 9.92

Point scale factor : 0.99975958

Cadastral connection : Exists

Perth Coastal Grid 2020

Easting (m) : 48128.519

Northing (m) : 367715.884

Convergence : -0 0 37.66

Point scale factor : 0.99999910

Height Information

Vertical datum : **AHD71**

Height (m) : **9.526**

Established by : Dept of Land Admin.

Vertical method : Spirit Levelling

Derived GDA2020 ellipsoidal height (m) : -23.356

Height type : **Orthometric**

Height date : 04/05/2000

State : Final

Vertical accuracy : 12rootK

N-Value (m) : -32.882

Geoid model : AusGeoid2020

Interpolation : Bi-Cubic

*** Derived GDA2020 ellipsoidal height: $h = H + N$*

Mark to hatch cover : **0.186**

Mark to ground level :

RM Info

*** **Warning:** RM azimuths and coordinates are unverified*

*** Azimuth, distance and height difference are relative to main mark*

RM1	Phys. status : located Phys. type : spike Azimuth : 79 14 23 Distance (m) : 4.089 Height diff. (m) : -0.055 RM to GL (m) : None	Date : 13/02/1995 Set in : concrete Type : True azimuth Type : Horizontal Type : Spirit Levelling
RM2	Phys. status : located Phys. type : spike Azimuth : 128 32 43 Distance (m) : 1.223 Height diff. (m) : -0.062 RM to GL (m) : None	Date : 13/02/1995 Set in : concrete Type : True azimuth Type : Horizontal Type : Spirit Levelling
RM3	Phys. status : located Phys. type : spike Azimuth : 252 45 13 Distance (m) : 5.309 Height diff. (m) : -0.113 RM to GL (m) : None	Date : 13/02/1995 Set in : concrete Type : True azimuth Type : Horizontal Type : Spirit Levelling
RM4	Phys. status : located Phys. type : spike Azimuth : 304 27 43 Distance (m) : 1.126 Height diff. (m) : -0.146 RM to GL (m) : None	Date : 13/02/1995 Set in : concrete Type : True azimuth Type : Horizontal Type : Spirit Levelling

RM Position Information** **Warning:** RM coordinates should be verified prior to use

** Coordinates are calculated from reference observations

** Coordinate accuracies commensurate with related observations

RM1**Geographical Coordinates**

Horizontal datum : **GDA2020**
Latitude : **S 31 54 49.43475**
Longitude : **E 115 47 48.91976**

Project Grid - PCG2020**Height Information**

Vertical datum : **AHD71**
Height (m) : **9.471**

MGA2020 Coordinates

Zone : 50
Easting (m) : 386252.882
Northing (m) : 6468495.045

Perth Coastal Grid 2020

Easting (m) : 48132.536
Northing (m) : 367716.648

RM2**Geographical Coordinates**

Horizontal datum : **GDA2020**
Latitude : **S 31 54 49.48428**
Longitude : **E 115 47 48.80327**

Project Grid - PCG2020**Height Information**

Vertical datum : **AHD71**
Height (m) : **9.464**

MGA2020 Coordinates

Zone : 50
Easting (m) : 386249.839
Northing (m) : 6468493.485

Perth Coastal Grid 2020

Easting (m) : 48129.476
Northing (m) : 367715.122

RM3**Geographical Coordinates**

Horizontal datum : **GDA2020**
Latitude : **S 31 54 49.51064**

MGA2020 Coordinates

Zone : 50
Easting (m) : 386243.823

Longitude : **E 115 47 48.57387**

Northing (m) : 6468492.607

Project Grid - PCG2020**Perth Coastal Grid 2020**

Easting (m) : 48123.449

Northing (m) : 367714.309

Height InformationVertical datum : **AHD71**Height (m) : **9.413****RM4****Geographical Coordinates**Horizontal datum : **GDA2020**Latitude : **S 31 54 49.43885**Longitude : **E 115 47 48.73152****MGA2020 Coordinates**

Zone : 50

Easting (m) : 386247.939

Northing (m) : 6468494.863

Project Grid - PCG2020**Perth Coastal Grid 2020**

Easting (m) : 48127.591

Northing (m) : 367716.521

Height InformationVertical datum : **AHD71**Height (m) : **9.380****Cadastral Connection Fieldbooks**

DOLA FB 62872

Special Notes

No Special Notes for this mark

ITRF 2014

GDA2020 coordinates are equivalent to ITRF2014@2020.0. ITRF2014 coordinates can be determined by application of a plate model transformation. For general and technical information on GDA2020 see <http://www.icsm.gov.au/what-we-do/geocentric-datum-australia>

**SSM WEMBLEY 116**

Alternate names :

APREF/NGCA codes:

Stamp name: WEM116

Physical status : **located (Dept of Land Admin.)**

Physical type : brass plaque

Mark set in : concrete

Map ref.: WEMBLEY BG34 2.6

Database number : 843377

Date established : 28/07/1992

Phys. status date : 16/12/2002

Hatch cover type : concrete

Access type : 2 wheel drive

Geographical CoordinatesHorizontal datum : **GDA94**Latitude : **S 31 54 49.50782**Longitude : **E 115 47 48.72738****MGA94 Coordinates**

Zone : 50

Easting (m) : 386247.854

Northing (m) : 6468492.739

Convergence : -0 38 9.94

Point scale factor : 0.99975958

Coordinate date : 09/10/2000

Horizontal method : Transformed

Cadastral connection : Exists

Relative horiz. accuracy : 80ppm *** Estimated relative uncertainty to adjacent marks***Positional uncertainty (m) : 0.1 (95% Confidence level)***** Projection coordinates are calculated from the geographical coordinates detailed above***Project Grid - PCG94****Perth Coastal Grid 1994**

Easting (m) : 48127.482

Northing (m) : 267714.396

Convergence : -0 0 37.68

Height Information

Vertical datum : **AHD71**
 Height (m) : **9.526**
 Established by : Dept of Land Admin.
 Vertical method : Spirit Levelling
 Derived GDA94 ellipsoidal height (m) : -23.296

Height type : **Orthometric**
 Height date : 04/05/2000
 State : Final
 Vertical accuracy : 12rootK
 N-Value (m) : -32.822
 Geoid model : AUSGeoid09 V1.01
 Interpolation : Bi-Cubic

**** Derived GDA94 ellipsoidal height: $h = H + N$**

Mark to hatch cover : **0.186**

Mark to ground level :

RM Info

**** Warning:** RM azimuths and coordinates are unverified

**** Azimuth, distance and height difference are relative to main mark**

RM1

Phys. status : located
 Phys. type : spike
 Azimuth : 79 14 23
 Distance (m) : 4.089
 Height diff. (m) : -0.055
 RM to GL (m) : None

Date : 13/02/1995
 Set in : concrete
 Type : True azimuth
 Type : Horizontal
 Type : Spirit Levelling

RM2

Phys. status : located
 Phys. type : spike
 Azimuth : 128 32 43
 Distance (m) : 1.223
 Height diff. (m) : -0.062
 RM to GL (m) : None

Date : 13/02/1995
 Set in : concrete
 Type : True azimuth
 Type : Horizontal
 Type : Spirit Levelling

RM3

Phys. status : located
 Phys. type : spike
 Azimuth : 252 45 13
 Distance (m) : 5.309
 Height diff. (m) : -0.113
 RM to GL (m) : None

Date : 13/02/1995
 Set in : concrete
 Type : True azimuth
 Type : Horizontal
 Type : Spirit Levelling

RM4

Phys. status : located
 Phys. type : spike
 Azimuth : 304 27 43
 Distance (m) : 1.126
 Height diff. (m) : -0.146
 RM to GL (m) : None

Date : 13/02/1995
 Set in : concrete
 Type : True azimuth
 Type : Horizontal
 Type : Spirit Levelling

RM Position Information

**** Warning:** RM coordinates should be verified prior to use

**** Coordinates are calculated from reference observations**

**** Coordinate accuracies commensurate with related observations**

RM1**Geographical Coordinates**

Horizontal datum : **GDA94**
 Latitude : **S 31 54 49.48304**
 Longitude : **E 115 47 48.88028**

MGA94 Coordinates

Zone : 50
 Easting (m) : 386251.862
 Northing (m) : 6468493.546

Project Grid - PCG94**Perth Coastal Grid 1994**

Easting (m) : 48131.499
 Northing (m) : 267715.161

Height Information

Vertical datum : **AHD71**
 Height (m) : **9.471**

RM2**Geographical Coordinates**Horizontal datum : **GDA94**Latitude : **S 31 54 49.53256**Longitude : **E 115 47 48.76379****Project Grid - PCG94****Height Information**Vertical datum : **AHD71**Height (m) : **9.464****MGA94 Coordinates**

Zone : 50

Easting (m) : 386248.819

Northing (m) : 6468491.987

Perth Coastal Grid 1994

Easting (m) : 48128.439

Northing (m) : 267713.634

RM3**Geographical Coordinates**Horizontal datum : **GDA94**Latitude : **S 31 54 49.55892**Longitude : **E 115 47 48.53439****Project Grid - PCG94****Height Information**Vertical datum : **AHD71**Height (m) : **9.413****MGA94 Coordinates**

Zone : 50

Easting (m) : 386242.803

Northing (m) : 6468491.109

Perth Coastal Grid 1994

Easting (m) : 48122.412

Northing (m) : 267712.821

RM4**Geographical Coordinates**Horizontal datum : **GDA94**Latitude : **S 31 54 49.48713**Longitude : **E 115 47 48.69204****Project Grid - PCG94****Height Information**Vertical datum : **AHD71**Height (m) : **9.380****MGA94 Coordinates**

Zone : 50

Easting (m) : 386246.919

Northing (m) : 6468493.365

Perth Coastal Grid 1994

Easting (m) : 48126.554

Northing (m) : 267715.033

Cadastral Connection Fieldbooks

DOLA FB 62872

Special Notes

No Special Notes for this mark

Geodetic On-Line Access (GOLA)

To enter the monthly prize draw for a \$100 voucher to major retailers, use the SLIP Geodetic Portal button ...



Send status update

Mark Details

(GOLA last updated on 19-Feb-2020)



SSM WEMBLEY 117A

Alternate names :

APREF/NGCA codes:

Stamp name: WEM117A

Physical status : **located (Landgate)**

Physical type : brass plaque

Mark set in : concrete

Geographical Coordinates

Horizontal datum : **GDA2020**

Latitude : **S 31 54 46.58114**

Longitude : **E 115 47 50.20076**

Coordinate date : 14/08/2018

Horizontal method : Geodetic-Terrestrial

Relative horiz. accuracy : 70ppm *** Estimated relative uncertainty to adjacent marks*

Positional uncertainty (m) : 0.022 (95% Confidence level)

Error Ellipse

Semi-major axis (m) : 0.023

Semi-minor axis (m) : 0.022

Azimuth of semi-major axis (m) : 163 48 35

*** Projection coordinates are calculated from the geographical coordinates detailed above*

Project Grid - PCG2020

Map ref.: WEMBLEY BG34 2.6

Database number : 5466807

Date established : 28/01/1999

Phys. status date : 17/09/2018

Hatch cover type : concrete

Access type : 2 wheel drive

MGA2020 Coordinates

Zone : 50

Easting (m) : 386285.552

Northing (m) : 6468583.287

Convergence : -0 38 9.11

Point scale factor : 0.99975947

Cadastral connection : Exists

Perth Coastal Grid 2020

Easting (m) : 48166.176

Northing (m) : 367804.549

Convergence : -0 0 36.90

Point scale factor : 0.99999910

Height Information

Vertical datum : **AHD71**

Height (m) : **9.714**

Established by : Dept of Land Admin.

Vertical method : Spirit Levelling

Derived GDA2020 ellipsoidal height (m) : -23.167

Height type : **Orthometric**

Height date : 04/05/2000

State : Final

Vertical accuracy : 12rootK

N-Value (m) : -32.881

Geoid model : AusGeoid2020

Interpolation : Bi-Cubic

*** Derived GDA2020 ellipsoidal height: $h = H + N$*

Mark to hatch cover : **0.169**

Mark to ground level :

RM Info

*** Warning: RM azimuths and coordinates are unverified*

*** Azimuth, distance and height difference are relative to main mark*

RM2	Phys. status : located (Landgate) Phys. type : spike Azimuth : 285 29 1 Distance (m) : 3.564 Height diff. (m) : -0.141 RM to GL (m) : 0.400	Date : 17/09/2018 Set in : concrete Type : True azimuth Type : Horizontal Type : Spirit Levelling
RM3	Phys. status : located (Landgate) Phys. type : spike Azimuth : 71 44 55 Distance (m) : 4.457 Height diff. (m) : -0.334 RM to GL (m) : 0.300	Date : 17/09/2018 Set in : concrete Type : True azimuth Type : Horizontal Type : Spirit Levelling
RM4	Phys. status : damaged (Landgate) Phys. type : deck spike Azimuth : 115 1 57 Distance (m) : 3.682 Height diff. (m) : -0.112 RM to GL (m) : 0.000	Date : 17/09/2018 Set in : brick paving-road/driveway/etc Type : True azimuth Type : Horizontal Type : Spirit Levelling
RM5	Phys. status : located (Landgate) Phys. type : spike Azimuth : 229 2 51 Distance (m) : 5.214 Height diff. (m) : -0.260 RM to GL (m) : 0.400	Date : 17/09/2018 Set in : concrete Type : True azimuth Type : Horizontal Type : Spirit Levelling

RM Position Information** **Warning:** RM coordinates should be verified prior to use

** Coordinates are calculated from reference observations

** Coordinate accuracies commensurate with related observations

RM2**Geographical Coordinates**

Horizontal datum : **GDA2020**
 Latitude : **S 31 54 46.55025**
 Longitude : **E 115 47 50.07003**

Project Grid - PCG2020**Height Information**

Vertical datum : **AHD71**
 Height (m) : **9.573**

MGA2020 Coordinates

Zone : 50
 Easting (m) : 386282.108
 Northing (m) : 6468584.200

Perth Coastal Grid 2020

Easting (m) : 48162.741
 Northing (m) : 367805.500

RM3**Geographical Coordinates**

Horizontal datum : **GDA2020**
 Latitude : **S 31 54 46.53582**
 Longitude : **E 115 47 50.36187**

Project Grid - PCG2020**Height Information**

Vertical datum : **AHD71**
 Height (m) : **9.380**

MGA2020 Coordinates

Zone : 50
 Easting (m) : 386289.768
 Northing (m) : 6468584.729

Perth Coastal Grid 2020

Easting (m) : 48170.408
 Northing (m) : 367805.946

RM4**Geographical Coordinates**

Horizontal datum : **GDA2020**
 Latitude : **S 31 54 46.63172**

MGA2020 Coordinates

Zone : 50
 Easting (m) : 386288.904

Longitude : **E 115 47 50.32774**

Northing (m) : 6468581.766

Project Grid - PCG2020**Perth Coastal Grid 2020**

Easting (m) : 48169.512

Northing (m) : 367802.992

Height InformationVertical datum : **AHD71**Height (m) : **9.602****RM5****Geographical Coordinates**Horizontal datum : **GDA2020**Latitude : **S 31 54 46.69209**Longitude : **E 115 47 50.05088****MGA2020 Coordinates**

Zone : 50

Easting (m) : 386281.653

Northing (m) : 6468579.827

Project Grid - PCG2020**Perth Coastal Grid 2020**

Easting (m) : 48162.238

Northing (m) : 367801.131

Height InformationVertical datum : **AHD71**Height (m) : **9.454****Cadastral Connection Fieldbooks**

LTO FB 65103

Special Notes

No Special Notes for this mark

ITRF 2014

GDA2020 coordinates are equivalent to ITRF2014@2020.0. ITRF2014 coordinates can be determined by application of a plate model transformation. For general and technical information on GDA2020 see <http://www.icsm.gov.au/what-we-do/geocentric-datum-australia>

**SSM WEMBLEY 117A**

Alternate names :

APREF/NGCA codes:

Stamp name: WEM117A

Physical status : **located (Landgate)**

Physical type : brass plaque

Mark set in : concrete

Map ref.: WEMBLEY BG34 2.6

Database number : 5466807

Date established : 28/01/1999

Phys. status date : 17/09/2018

Hatch cover type : concrete

Access type : 2 wheel drive

Geographical CoordinatesHorizontal datum : **GDA94**Latitude : **S 31 54 46.62924**Longitude : **E 115 47 50.16131****MGA94 Coordinates**

Zone : 50

Easting (m) : 386284.532

Northing (m) : 6468581.794

Convergence : -0 38 9.13

Point scale factor : 0.99975948

Coordinate date : 09/10/2000

Horizontal method : Transformed

Cadastral connection : Exists

Relative horiz. accuracy : 80ppm ** *Estimated relative uncertainty to adjacent marks***Positional uncertainty (m) : 0.1 (95% Confidence level)***** Projection coordinates are calculated from the geographical coordinates detailed above***Project Grid - PCG94****Perth Coastal Grid 1994**

Easting (m) : 48165.139

Northing (m) : 267803.068

Convergence : -0 0 36.92

Height InformationVertical datum : **AHD71**Height (m) : **9.714**

Established by : Dept of Land Admin.

Vertical method : Spirit Levelling

Derived GDA94 ellipsoidal height (m) : -23.107

Height type : **Orthometric**

Height date : 04/05/2000

State : Final

Vertical accuracy : 12rootK

N-Value (m) : -32.821

Geoid model : AUSGeoid09 V1.01

Interpolation : Bi-Cubic

**** Derived GDA94 ellipsoidal height: $h = H + N$** Mark to hatch cover : **0.169**

Mark to ground level :

RM Info**** Warning:** RM azimuths and coordinates are unverified**** Azimuth, distance and height difference are relative to main mark****RM2**

Phys. status : located (Landgate)

Phys. type : spike

Azimuth : 285 29 1

Distance (m) : 3.564

Height diff. (m) : -0.141

RM to GL (m) : 0.400

Date : 17/09/2018

Set in : concrete

Type : True azimuth

Type : Horizontal

Type : Spirit Levelling

RM3

Phys. status : located (Landgate)

Phys. type : spike

Azimuth : 71 44 55

Distance (m) : 4.457

Height diff. (m) : -0.334

RM to GL (m) : 0.300

Date : 17/09/2018

Set in : concrete

Type : True azimuth

Type : Horizontal

Type : Spirit Levelling

RM4

Phys. status : damaged (Landgate)

Phys. type : deck spike

Azimuth : 115 1 57

Distance (m) : 3.682

Height diff. (m) : -0.112

RM to GL (m) : 0.000

Date : 17/09/2018

Set in : brick paving-road/driveway/etc

Type : True azimuth

Type : Horizontal

Type : Spirit Levelling

RM5

Phys. status : located (Landgate)

Phys. type : spike

Azimuth : 229 2 51

Distance (m) : 5.214

Height diff. (m) : -0.260

RM to GL (m) : 0.400

Date : 17/09/2018

Set in : concrete

Type : True azimuth

Type : Horizontal

Type : Spirit Levelling

RM Position Information**** Warning:** RM coordinates should be verified prior to use**** Coordinates are calculated from reference observations****** Coordinate accuracies commensurate with related observations****RM2****Geographical Coordinates**Horizontal datum : **GDA94**Latitude : **S 31 54 46.59835**Longitude : **E 115 47 50.03058****MGA94 Coordinates**

Zone : 50

Easting (m) : 386281.088

Northing (m) : 6468582.707

Project Grid - PCG94**Perth Coastal Grid 1994**

Easting (m) : 48161.705

Northing (m) : 267804.019

Height InformationVertical datum : **AHD71**Height (m) : **9.573**

RM3**Geographical Coordinates**Horizontal datum : **GDA94**Latitude : **S 31 54 46.58392**Longitude : **E 115 47 50.32242****Project Grid - PCG94****Height Information**Vertical datum : **AHD71**Height (m) : **9.380****MGA94 Coordinates**

Zone : 50

Easting (m) : 386288.748

Northing (m) : 6468583.237

Perth Coastal Grid 1994

Easting (m) : 48169.372

Northing (m) : 267804.464

RM4**Geographical Coordinates**Horizontal datum : **GDA94**Latitude : **S 31 54 46.67982**Longitude : **E 115 47 50.28829****Project Grid - PCG94****Height Information**Vertical datum : **AHD71**Height (m) : **9.602****MGA94 Coordinates**

Zone : 50

Easting (m) : 386287.885

Northing (m) : 6468580.274

Perth Coastal Grid 1994

Easting (m) : 48168.476

Northing (m) : 267801.510

RM5**Geographical Coordinates**Horizontal datum : **GDA94**Latitude : **S 31 54 46.74019**Longitude : **E 115 47 50.01142****Project Grid - PCG94****Height Information**Vertical datum : **AHD71**Height (m) : **9.454****MGA94 Coordinates**

Zone : 50

Easting (m) : 386280.633

Northing (m) : 6468578.334

Perth Coastal Grid 1994

Easting (m) : 48161.202

Northing (m) : 267799.650

Cadastral Connection Fieldbooks

LTO FB 65103

Special Notes

No Special Notes for this mark

Geodetic On-Line Access (GOLA)

To enter the monthly prize draw for a \$100 voucher to major retailers, use the SLIP Geodetic Portal button ...



Send status update

Mark Details

(GOLA last updated on 19-Feb-2020)



SSM WEMBLEY 119

Alternate names :

APREF/NGCA codes:

Stamp name: WEM 119

Physical status : **located (G.H.D. Surveys)**

Physical type : brass plaque

Mark set in : concrete

Geographical Coordinates

Horizontal datum : **GDA2020**

Latitude : **S 31 54 42.25561**

Longitude : **E 115 47 58.36390**

Map ref.: WEMBLEY BG34 2.6

Database number : 843380

Date established : 26/09/1993

Phys. status date : 07/08/2018

Hatch cover type : concrete

Access type : 2 wheel drive

MGA2020 Coordinates

Zone : 50

Easting (m) : 386498.481

Northing (m) : 6468718.857

Convergence : -0 38 4.71

Point scale factor : 0.99975888

Coordinate date : 15/08/2018

Horizontal method : Geodetic-Terrestrial

Cadastral connection : Exists

Relative horiz. accuracy : 60ppm *** Estimated relative uncertainty to adjacent marks*

Positional uncertainty (m) : 0.025 (95% Confidence level)

Error Ellipse

Semi-major axis (m) : 0.027

Semi-minor axis (m) : 0.022

Azimuth of semi-major axis (m) : 152 5 48

*** Projection coordinates are calculated from the geographical coordinates detailed above*

Project Grid - PCG2020

Perth Coastal Grid 2020

Easting (m) : 48380.623

Northing (m) : 367937.818

Convergence : -0 0 32.58

Point scale factor : 0.99999909

Height Information

Vertical datum : **AHD71**

Height (m) : **8.684**

Established by : Hawker Moss Surveyors

Vertical method : Spirit Levelling

Derived GDA2020 ellipsoidal height (m) : -24.189

Height type : **Orthometric**

Height date : 04/05/2000

State : Final

Vertical accuracy : 12rootK

N-Value (m) : -32.873

Geoid model : AusGeoid2020

Interpolation : Bi-Cubic

*** Derived GDA2020 ellipsoidal height: $h = H + N$*

Mark to hatch cover : **0.076**

Mark to ground level :

RM Info

*** **Warning:** RM azimuths and coordinates are unverified*

*** Azimuth, distance and height difference are relative to main mark*

RM1	Phys. status : located Phys. type : spike Azimuth : 147 20 22 Distance (m) : 3.616 Height diff. (m) : -0.338 RM to GL (m) : None	Date : 13/02/1995 Set in : concrete Type : True azimuth Type : Horizontal Type : Spirit Levelling
RM2	Phys. status : located Phys. type : spike Azimuth : 300 40 37 Distance (m) : 4.427 Height diff. (m) : -0.346 RM to GL (m) : None	Date : 13/02/1995 Set in : concrete Type : True azimuth Type : Horizontal Type : Spirit Levelling
RM3	Phys. status : located Phys. type : spike Azimuth : 47 46 47 Distance (m) : 2.057 Height diff. (m) : -0.274 RM to GL (m) : None	Date : 13/02/1995 Set in : concrete Type : True azimuth Type : Horizontal Type : Spirit Levelling

RM Position Information

**** Warning:** RM coordinates should be verified prior to use
**** Coordinates are calculated from reference observations**
**** Coordinate accuracies commensurate with related observations**

RM1**Geographical Coordinates**

Horizontal datum : **GDA2020**
Latitude : **S 31 54 42.35444**
Longitude : **E 115 47 58.43817**

Project Grid - PCG2020**Height Information**

Vertical datum : **AHD71**
Height (m) : **8.346**

MGA2020 Coordinates

Zone : 50
Easting (m) : 386500.465
Northing (m) : 6468715.835

Perth Coastal Grid 2020

Easting (m) : 48382.575
Northing (m) : 367934.774

RM2**Geographical Coordinates**

Horizontal datum : **GDA2020**
Latitude : **S 31 54 42.18228**
Longitude : **E 115 47 58.21898**

Project Grid - PCG2020**Height Information**

Vertical datum : **AHD71**
Height (m) : **8.338**

MGA2020 Coordinates

Zone : 50
Easting (m) : 386494.649
Northing (m) : 6468721.072

Perth Coastal Grid 2020

Easting (m) : 48376.816
Northing (m) : 367940.076

RM3**Geographical Coordinates**

Horizontal datum : **GDA2020**
Latitude : **S 31 54 42.21073**
Longitude : **E 115 47 58.42188**

Project Grid - PCG2020**Height Information****MGA2020 Coordinates**

Zone : 50
Easting (m) : 386499.988
Northing (m) : 6468720.255

Perth Coastal Grid 2020

Easting (m) : 48382.147
Northing (m) : 367939.201

Vertical datum : **AHD71**
 Height (m) : **8.410**

Cadastral Connection Fieldbooks

DLI 93721
 DOLA FB 88261
 LTO FB 65103

Special Notes

No Special Notes for this mark

ITRF 2014

GDA2020 coordinates are equivalent to ITRF2014@2020.0. ITRF2014 coordinates can be determined by application of a plate model transformation. For general and technical information on GDA2020 see <http://www.icsm.gov.au/what-we-do/geocentric-datum-australia>



SSM WEMBLEY 119

Alternate names :
 APREF/NGCA codes:
 Stamp name: WEM 119
 Physical status : **located (G.H.D. Surveys)**
 Physical type : brass plaque
 Mark set in : concrete

Map ref.: WEMBLEY BG34 2.6
 Database number : 843380
 Date established : 26/09/1993
 Phys. status date : 07/08/2018
 Hatch cover type : concrete
 Access type : 2 wheel drive

Geographical Coordinates

Horizontal datum : **GDA94**
 Latitude : **S 31 54 42.30368**
 Longitude : **E 115 47 58.32444**

MGA94 Coordinates

Zone : 50
 Easting (m) : 386497.461
 Northing (m) : 6468717.365
 Convergence : -0 38 4.74
 Point scale factor : 0.99975888

Coordinate date : 09/10/2000
 Horizontal method : Transformed

Cadastral connection : Exists

Relative horiz. accuracy : 80ppm *** Estimated relative uncertainty to adjacent marks*

Positional uncertainty (m) : 0.1 (95% Confidence level)

*** Projection coordinates are calculated from the geographical coordinates detailed above*

Project Grid - PCG94

Perth Coastal Grid 1994

Easting (m) : 48379.587
 Northing (m) : 267936.337
 Convergence : -0 0 32.60
 Point scale factor : 0.99999909

Height Information

Vertical datum : **AHD71**
 Height (m) : **8.684**
 Established by : Hawker Moss Surveyors
 Vertical method : Spirit Levelling
 Derived GDA94 ellipsoidal height (m) : -24.128

Height type : **Orthometric**
 Height date : 04/05/2000
 State : Final
 Vertical accuracy : 12rootK
 N-Value (m) : -32.812
 Geoid model : AUSGeoid09 V1.01
 Interpolation : Bi-Cubic

*** Derived GDA94 ellipsoidal height: $h = H + N$*

Mark to hatch cover : **0.076**

Mark to ground level :

RM Info

*** Warning: RM azimuths and coordinates are unverified*

*** Azimuth, distance and height difference are relative to main mark*

RM1	Phys. status : located Phys. type : spike Azimuth : 147 20 22 Distance (m) : 3.616 Height diff. (m) : -0.338 RM to GL (m) : None	Date : 13/02/1995 Set in : concrete Type : True azimuth Type : Horizontal Type : Spirit Levelling
RM2	Phys. status : located Phys. type : spike Azimuth : 300 40 37 Distance (m) : 4.427 Height diff. (m) : -0.346 RM to GL (m) : None	Date : 13/02/1995 Set in : concrete Type : True azimuth Type : Horizontal Type : Spirit Levelling
RM3	Phys. status : located Phys. type : spike Azimuth : 47 46 47 Distance (m) : 2.057 Height diff. (m) : -0.274 RM to GL (m) : None	Date : 13/02/1995 Set in : concrete Type : True azimuth Type : Horizontal Type : Spirit Levelling

RM Position Information

**** Warning:** RM coordinates should be verified prior to use
**** Coordinates** are calculated from reference observations
**** Coordinate accuracies** commensurate with related observations

RM1**Geographical Coordinates**

Horizontal datum : **GDA94**
Latitude : **S 31 54 42.40251**
Longitude : **E 115 47 58.39871**

MGA94 Coordinates

Zone : 50
Easting (m) : 386499.445
Northing (m) : 6468714.343

Project Grid - PCG94**Perth Coastal Grid 1994**

Easting (m) : 48381.539
Northing (m) : 267933.293

Height Information

Vertical datum : **AHD71**
Height (m) : **8.346**

RM2**Geographical Coordinates**

Horizontal datum : **GDA94**
Latitude : **S 31 54 42.23035**
Longitude : **E 115 47 58.17952**

MGA94 Coordinates

Zone : 50
Easting (m) : 386493.629
Northing (m) : 6468719.581

Project Grid - PCG94**Perth Coastal Grid 1994**

Easting (m) : 48375.779
Northing (m) : 267938.595

Height Information

Vertical datum : **AHD71**
Height (m) : **8.338**

RM3**Geographical Coordinates**

Horizontal datum : **GDA94**
Latitude : **S 31 54 42.25880**
Longitude : **E 115 47 58.38242**

MGA94 Coordinates

Zone : 50
Easting (m) : 386498.968
Northing (m) : 6468718.764

Project Grid - PCG94**Perth Coastal Grid 1994**

Easting (m) : 48381.110
Northing (m) : 267937.720

Height Information

Vertical datum : **AHD71**

Height (m) : **8.410**

Cadastral Connection Fieldbooks

DLI 93721

DOLA FB 88261

LTO FB 65103

Special Notes

No Special Notes for this mark
