

# Worldwide Soaring Turnpoint Exchange

## Unofficial Coordinates for the Narrogin, Western Australia Control Points

Contest: Western Australia State Competition, 2017

Courtesy of John Kenny ( jandmkenny@iinet.net.au )

Dated: 31 August 2017

Magnetic Variation: 1.5W

Time zone: Australia/West, Summer offset from GMT is 8:00 and in Winter it is 8:00.

*Printed Saturday, 28 October 2017 at 18:46 GMT*

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UNOFFICIAL, USE AT YOUR OWN RISK

Do not use for navigation, for flight verification only.

Always consult the relevant publications for current and correct information.

This service is provided free of charge with no warranties, expressed or implied.

User assumes all risk of use.

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| <i>Number</i> | <i>Name</i>              | <i>Latitude</i><br>° ' " | <i>Longitude</i><br>° ' " | <i>Latitude</i><br>° ' " | <i>Longitude</i><br>° ' " | <i>Elevation</i><br><i>FEET</i> | <i>Codes</i> <sup>*</sup> | <i>Comment</i> | <i>ID</i> | <i>Distance</i><br><i>Km</i> | <i>Bearing</i> |
|---------------|--------------------------|--------------------------|---------------------------|--------------------------|---------------------------|---------------------------------|---------------------------|----------------|-----------|------------------------------|----------------|
| 1             | <b>Narrogin Airfield</b> | 32 55 39 S               | 117 04 59 E               | 32 55.650 S              | 117 04.983 E              | 1089                            | HDSFT                     |                |           |                              |                |
| 2             | Alderside                | 32 22 20 S               | 117 16 50 E               | 32 22.333 S              | 117 16.833 E              | 807                             | T                         |                |           | 64                           | 18             |
| 3             | Arthur River             | 33 20 50 S               | 117 02 25 E               | 33 20.833 S              | 117 02.417 E              | 984                             | T                         |                |           | 47                           | 186            |
| 4             | Babakin                  | 32 07 30 S               | 118 01 25 E               | 32 07.500 S              | 118 01.417 E              | 850                             | T                         |                |           | 125                          | 46             |
| 5             | Beverley Airfield        | 32 07 33 S               | 116 56 51 E               | 32 07.550 S              | 116 56.850 E              | 722                             | DT                        |                |           | 90                           | 353            |
| 6             | Beverley East 3          | 32 09 18 S               | 117 27 20 E               | 32 09.300 S              | 117 27.333 E              | 945                             | T                         |                |           | 93                           | 24             |
| 7             | Beverley East 4          | 32 09 49 S               | 117 45 03 E               | 32 09.817 S              | 117 45.050 E              | 994                             | T                         |                |           | 106                          | 38             |
| 8             | Brookton                 | 32 22 34 S               | 117 00 52 E               | 32 22.567 S              | 117 00.867 E              | 768                             | T                         |                |           | 62                           | 356            |
| 9             | Broomehill               | 33 49 30 S               | 117 38 00 E               | 33 49.500 S              | 117 38.000 E              | 774                             | T                         |                |           | 112                          | 155            |
| 10            | Bruce Rock               | 31 52 58 S               | 118 09 28 E               | 31 52.967 S              | 118 09.467 E              | 1296                            | T                         |                |           | 154                          | 43             |
| 11            | Bullaring                | 32 29 52 S               | 117 44 36 E               | 32 29.867 S              | 117 44.600 E              | 837                             | T                         |                |           | 78                           | 54             |
| 12            | Bulyee                   | 32 22 20 S               | 117 30 40 E               | 32 22.333 S              | 117 30.667 E              | 787                             | T                         |                |           | 74                           | 35             |
| 13            | Congelin                 | 32 51 28 S               | 116 53 41 E               | 32 51.467 S              | 116 53.683 E              | 919                             | T                         |                |           | 19                           | 295            |
| 14            | Corrigin                 | 32 20 17 S               | 117 52 17 E               | 32 20.283 S              | 117 52.283 E              | 817                             | T                         |                |           | 99                           | 50             |
| 15            | Cuballing                | 32 49 13 S               | 117 10 38 E               | 32 49.217 S              | 117 10.633 E              | 1020                            | T                         |                |           | 15                           | 38             |

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|---------------|-----------------|--------------------------|---------------------------|--------------------------|---------------------------|---------------------------------|---------------------------|----------------|-----------|------------------------------|----------------|
| 16            | Cunderdin Silo  | 31 38 46 S               | 117 14 28 E               | 31 38.767 S              | 117 14.467 E              | 728                             | T                         |                |           | 143                          | 7              |
| 17            | Darkin          | 33 20 20 S               | 116 44 31 E               | 33 20.333 S              | 116 44.517 E              | 994                             | T                         |                |           | 56                           | 216            |
| 18            | Doodlakine      | 31 36 13 S               | 117 53 44 E               | 31 36.217 S              | 117 53.733 E              | 856                             | T                         |                |           | 166                          | 29             |
| 19            | Dowerin         | 31 11 17 S               | 117 01 48 E               | 31 11.283 S              | 117 01.800 E              | 919                             | T                         |                |           | 193                          | 0              |
| 20            | Dudinin         | 32 52 00 S               | 117 54 00 E               | 32 52.000 S              | 117 54.000 E              | 948                             | T                         |                |           | 77                           | 87             |
| 21            | Dumbleyung Silo | 33 18 40 S               | 117 43 44 E               | 33 18.667 S              | 117 43.733 E              | 1086                            | T                         |                |           | 74                           | 127            |
| 22            | Dumbleyung A/F  | 33 19 23 S               | 117 44 39 E               | 33 19.383 S              | 117 44.650 E              | 886                             | AT                        |                |           | 76                           | 127            |
| 23            | Gnowangeru      | 33 57 00 S               | 118 02 00 E               | 33 57.000 S              | 118 02.000 E              | 909                             | AT                        |                |           | 144                          | 144            |
| 24            | Goomalling      | 31 18 06 S               | 116 49 18 E               | 31 18.100 S              | 116 49.300 E              | 899                             | T                         |                |           | 182                          | 354            |
| 25            | GrassVal        | 31 37 55 S               | 116 47 41 E               | 31 37.917 S              | 116 47.683 E              | 617                             | T                         |                |           | 147                          | 351            |
| 26            | Green Hills     | 31 55 13 S               | 116 57 45 E               | 31 55.217 S              | 116 57.750 E              | 620                             | T                         |                |           | 113                          | 356            |
| 27            | Highbury        | 33 03 29 S               | 117 14 22 E               | 33 03.483 S              | 117 14.367 E              | 1079                            | T                         |                |           | 21                           | 136            |
| 28            | Hyden           | 32 27 15 S               | 118 52 10 E               | 32 27.250 S              | 118 52.167 E              | 991                             | T                         |                |           | 175                          | 75             |
| 29            | Jitarning       | 32 47 00 S               | 118 00 00 E               | 32 47.000 S              | 118 00.000 E              | 932                             | T                         |                |           | 87                           | 81             |
| 30            | Katanning       | 33 41 55 S               | 117 33 38 E               | 33 41.917 S              | 117 33.633 E              | 787                             | T                         |                |           | 97                           | 154            |
| 31            | Kellerberrin    | 31 37 47 S               | 117 44 03 E               | 31 37.783 S              | 117 44.050 E              | 705                             | T                         |                |           | 157                          | 25             |
| 32            | Kojonup         | 33 50 00 S               | 117 10 00 E               | 33 50.000 S              | 117 10.000 E              | 1001                            | T                         |                |           | 101                          | 177            |
| 33            | Kondinin        | 32 29 10 S               | 118 16 15 E               | 32 29.167 S              | 118 16.250 E              | 988                             | T                         |                |           | 121                          | 68             |
| 34            | Kulin           | 32 40 27 S               | 118 09 16 E               | 32 40.450 S              | 118 09.267 E              | 1017                            | T                         |                |           | 104                          | 76             |
| 35            | Lake Grace      | 33 06 28 S               | 118 28 00 E               | 33 06.467 S              | 118 28.000 E              | 899                             | T                         |                |           | 131                          | 101            |
| 36            | Mawson          | 31 59 46 S               | 117 09 53 E               | 31 59.767 S              | 117 09.883 E              | 699                             | T                         |                |           | 104                          | 6              |
| 37            | Meckering       | 31 37 50 S               | 116 59 48 E               | 31 37.833 S              | 116 59.800 E              | 673                             | T                         |                |           | 144                          | 358            |
| 38            | Merredin        | 31 29 07 S               | 118 15 00 E               | 31 29.117 S              | 118 15.000 E              | 1020                            | T                         |                |           | 194                          | 36             |
| 39            | Moulyinning     | 33 14 00 S               | 117 56 00 E               | 33 14.000 S              | 117 56.000 E              | 997                             | T                         |                |           | 86                           | 115            |
| 40            | Muntadgin       | 31 45 49 S               | 118 33 30 E               | 31 45.817 S              | 118 33.500 E              | 1168                            | T                         |                |           | 190                          | 49             |
| 41            | Narrogin Silo   | 32 56 10 S               | 117 10 40 E               | 32 56.167 S              | 117 10.667 E              | 1073                            | T                         |                |           | 8.9                          | 98             |
| 42            | NGC NE 1        | 32 45 00 S               | 118 40 06 E               | 32 45.000 S              | 118 40.100 E              | 1070                            | T                         |                |           | 149                          | 84             |
| 43            | NGC S1          | 33 36 16 S               | 117 08 50 E               | 33 36.267 S              | 117 08.833 E              | 850                             | T                         |                |           | 76                           | 177            |
| 44            | NGC SE1         | 33 21 33 S               | 118 30 20 E               | 33 21.550 S              | 118 30.333 E              | 1083                            | T                         |                |           | 141                          | 112            |
| 45            | NGC SE2         | 33 38 00 S               | 118 17 00 E               | 33 38.000 S              | 118 17.000 E              | 1060                            | T                         |                |           | 136                          | 127            |
| 46            | NGC SE3         | 33 30 00 S               | 118 00 00 E               | 33 30.000 S              | 118 00.000 E              | 1093                            | T                         |                |           | 106                          | 128            |
| 47            | NGC SE4         | 33 10 00 S               | 117 38 30 E               | 33 10.000 S              | 117 38.500 E              | 1257                            | T                         |                |           | 58                           | 119            |
| 48            | Nomans          | 32 55 31 S               | 117 31 17 E               | 32 55.517 S              | 117 31.283 E              | 997                             | T                         |                |           | 41                           | 91             |
| 49            | Piesseville     | 33 11 45 S               | 117 17 25 E               | 33 11.750 S              | 117 17.417 E              | 1079                            | T                         |                |           | 36                           | 149            |
| 50            | Pingelly        | 32 31 28 S               | 117 04 52 E               | 32 31.467 S              | 117 04.867 E              | 833                             | T                         |                |           | 45                           | 1              |
| 51            | Popanyinning    | 32 39 36 S               | 117 07 28 E               | 32 39.600 S              | 117 07.467 E              | 974                             | T                         |                |           | 30                           | 9              |
| 52            | Quairading      | 32 00 49 S               | 117 23 42 E               | 32 00.817 S              | 117 23.700 E              | 794                             | T                         |                |           | 106                          | 18             |
| 53            | Shackleton      | 31 55 52 S               | 117 50 39 E               | 31 55.867 S              | 117 50.650 E              | 735                             | T                         |                |           | 132                          | 35             |
| 54            | South Kumminin  | 32 12 09 S               | 118 19 52 E               | 32 12.150 S              | 118 19.867 E              | 948                             | T                         |                |           | 142                          | 57             |
| 55            | Tammin          | 31 38 28 S               | 117 29 23 E               | 31 38.467 S              | 117 29.383 E              | 709                             | T                         |                |           | 148                          | 17             |
| 56            | Tarin Rock      | 33 07 00 S               | 118 14 00 E               | 33 07.000 S              | 118 14.000 E              | 919                             | T                         |                |           | 109                          | 103            |

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|---------------|--------------|--------------------------|---------------------------|--------------------------|---------------------------|---------------------------------|----------------|----------------|-----------|------------------------------|----------------|
| 57            | Tincurrin    | 32 58 43 S               | 117 46 32 E               | 32 58.717 S              | 117 46.533 E              | 961                             | T              |                |           | 65                           | 97             |
| 58            | Wagin        | 33 18 53 S               | 117 20 56 E               | 33 18.883 S              | 117 20.933 E              | 991                             | T              |                |           | 50                           | 152            |
| 59            | Wagin AF     | 33 19 00 S               | 117 21 36 E               | 33 19.000 S              | 117 21.600 E              | 837                             | AT             |                |           | 50                           | 151            |
| 60            | Wandering    | 32 40 47 S               | 116 40 08 E               | 32 40.783 S              | 116 40.133 E              | 1017                            | T              |                |           | 48                           | 307            |
| 61            | Wickepin     | 32 47 00 S               | 117 30 00 E               | 32 47.000 S              | 117 30.000 E              | 1010                            | T              |                |           | 42                           | 69             |
| 62            | Williams     | 33 01 26 S               | 116 52 23 E               | 33 01.433 S              | 116 52.383 E              | 994                             | T              |                |           | 22                           | 243            |
| 63            | Woodanilling | 33 33 45 S               | 117 26 30 E               | 33 33.750 S              | 117 26.500 E              | 869                             | T              |                |           | 78                           | 156            |
| 64            | Wyalka A/F   | 31 12 09 S               | 117 22 48 E               | 31 12.150 S              | 117 22.800 E              | 991                             | AT             |                |           | 194                          | 10             |
| 65            | Yealering    | 32 35 32 S               | 117 37 28 E               | 32 35.533 S              | 117 37.467 E              | 846                             | T              |                |           | 63                           | 55             |
| 66            | York         | 31 54 08 S               | 116 46 25 E               | 31 54.133 S              | 116 46.417 E              | 574                             | T              |                |           | 118                          | 347            |
| 67            | Yorkrakine   | 31 22 34 S               | 117 30 16 E               | 31 22.567 S              | 117 30.267 E              | 902                             | T              |                |           | 177                          | 15             |
| 68            | Yoting       | 31 57 53 S               | 117 35 38 E               | 31 57.883 S              | 117 35.633 E              | 738                             | T              |                |           | 117                          | 26             |
| 69            | Youndegn     | 31 47 54 S               | 117 17 54 E               | 31 47.900 S              | 117 17.900 E              | 712                             | T              |                |           | 127                          | 11             |

**Codes\***

- A: Airport
- D: Glider Airfield
- F: Finish Point
- H: Home airport
- S: Start Point
- T: Turnpoint