Antennas of Pine Gap image gallery

Recommended Citation


This gallery holds links to all images reproduced in Desmond Ball, Bill Robinson and Richard Tanter, The Antennas of Pine Gap, Nautilus Institute, Special Reports, 18 February 2016.

Cover - high resolution image.

Details of the antennas are listed in Table 1 in that paper.

The antennas identification system in Table 1 and in the images below is a year-based identification
The antennas are listed in chronological order, with some allowance for uncertainty in particular cases. The antenna identification number in column 2 is based on the year that the antenna was installed (see column 6), with a letter suffix further identifying it within the group installed that year. The first antenna listed, 67-A, was built in 1967, and it was the first (and only) antenna built that year. The second antenna listed, 68-A, was one of four installed in the following year. In cases of uncertainty, the best estimate is noted with a question mark. When an antenna is known to have been installed at some point during a specific period, the identification number is derived from the earliest possible year of construction in that range – e.g. antenna 86-A is known to have been installed between 1986 and 1988.

We are deeply grateful to Felicity Ruby and Kristian Laemmle-Ruff, who very generously gave us permission to reproduce their photographs of Pine Gap.

NOTE ON ATTRIBUTION

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The source images by Kristian Laemmle Ruff used for Figures 4, 9, 30, 32, 37, 39, 46, 47, 49, 55 and the cover image are available here in medium-level resolution.

Very large file size versions of Laemmle-Ruff’s images are available through his website.

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Felicity Ruby’s photographs are available here and through her website.

*Click on thumbnails for fullsize image*
Figure 15. Six.

Figure 25. Radomes.

Figure 50.

Figure 35.

Figure 46. Helical.

Figure 47. Helical.

Figure 17. Graden.

Figure 37. Credible.

Figure 55. Antenna.

Figure 21. Eight.


Figure 23. Source: Kristian Laemmle-Ruff, (Attribution - NonCommercial CC BY-NC).

Figure 18. Source: Felicity Ruby, (Attribution - NonCommercial CC BY-NC).

Figure 42. Source: Source: Department of Defence, supplied to Ms Tanya Plibersek, MHR, accompanying ‘Defence: Pine Gap’.

Figure 51. Source: Department of Defence Public Military Communications, Spy Bases and DSP/SBIRS RGS compound Google Earth imagery, 2 October 2014.

Figure 27. Radomes at Pine Gap in 1986 (Antennas 85-A, 77-A and 68-A).

Figure 30. TerraServer imagery, 11 August 2005.


Figure 54. Source: Kristian Laemmle-Ruff, (Attribution - NonCommercial CC BY-NC).

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Figure 48b. Source: Kristian Laemmle-Ruff, (Attribution - NonCommercial CC BY-NC).


Figure 31. Source: 'Concern Rises Over “Spy Role”', Centralian Advocate, 20 November 2012.

Figure 43. Source: Source: Richard Tanter, (Attribution - NonCommercial CC BY-NC).

Figure 19. Source: ‘Concern Rises Over “Spy Role”’, Centralian Advocate, 18 January 1985.

Figure 38. Source: Department of Defence.


Figure 53. Source: Kristian Laemmle-Ruff, (Attribution - NonCommercial CC BY-NC).


Figure 56. Source: ‘Concern Rises Over “Spy Role”’, Centralian Advocate, 18 January 1985.

Figure 57. Source: Centralian Advocate, 20 November 2012.

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Figure 58. Source: Department of Defence.

Figure 59. Source: Department of Defence.

Figure 60. Source: ‘Concern Rises Over “Spy Role”’, Centralian Advocate, 18 January 1985.

Figure 61. Source: Department of Defence.

Figure 62. Source: Department of Defence.

Figure 63. Source: Department of Defence.

Figure 64. Source: Department of Defence.

Figure 65. Source: Department of Defence.

Figure 66. Source: Department of Defence.

Figure 67. Helical.

Figure 16. Antennas at Pine Gap, c 1991.

Figure 5. Source: Antennas 68-A, 73-A, 77-A and 69-A - annotated.

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