

**Figure 1.** The deeper 9C survey areas: an equatorial plane projection with the N. pole at the centre. The Declination circles are at intervals of  $10^\circ$  and the Galactic plane is shown.

**Table 1.** The areas complete to  $\approx 10$  mJy

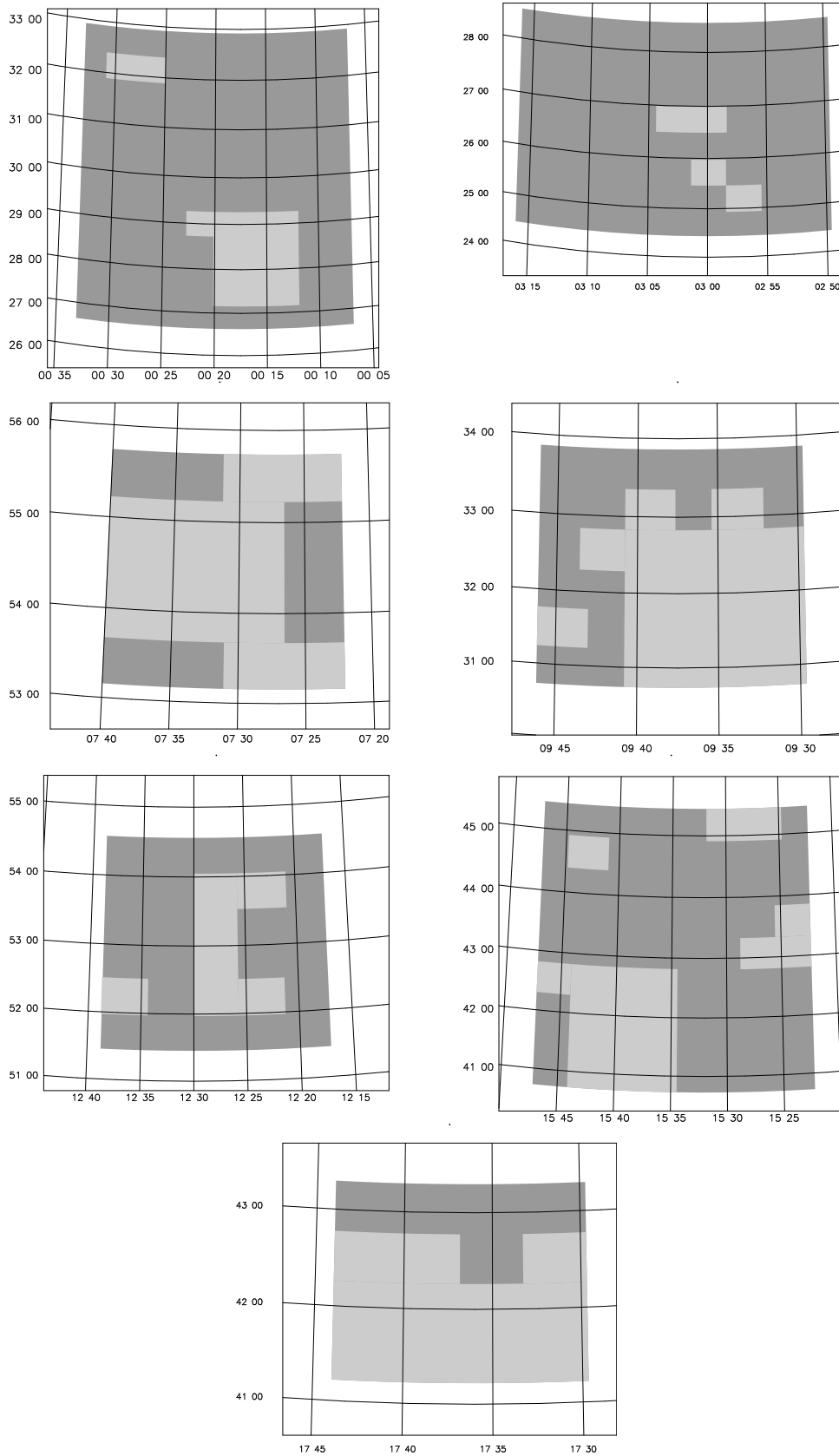
Field	RA ( $^h$ $^m$ $^s$ ) to RA ( $^h$ $^m$ $^s$ )	Dec ( $^\circ$ $'$ $''$ ) to Dec ( $^\circ$ $'$ $''$ )
0020+2947	00 06 48.2 00 33 04.6	+26 37 55 +32 55 20
0303+2629	02 49 36.5 03 16 03.3	+24 26 19 +28 32 04
0731+5427	07 22 05.0 07 40 01.2	+53 09 29 +55 44 20
0938+3218	09 29 38.0 09 46 08.0	+30 43 45 +33 51 55
1228+5301	12 17 08.5 12 38 43.9	+51 27 16 +54 33 45
1535+4305	15 22 16.7 15 47 10.1	+40 43 16 +45 25 52
1737+4215	17 29 40.3 17 43 57.2	+41 13 24 +43 17 30

## 1 THE SURVEY AREAS

The seven areas of the survey presented here are centred at: 0020+2947, 0303+2629, 0731+5427, 0938+3218, 1228+5301, 1535+4305, 1737+4215 (RA ( $^h$   $^m$   $^s$ ) Dec. ( $^\circ$   $'$   $''$ ), J2000.0), as indicated in Figure 1. They are situated away from the Galactic plane and are widely spaced in RA, their positions having been determined by the choice of fields for the observations of the VSA. The RA and Dec. ranges are given in Table 1. The total area amounts to  $114.7 \text{ deg}^2$  and within this our source list is complete to  $\approx 10$  mJy. In each field there are also some much more sensitive areas; this was partly because deeper surveying was required near the centre of the VSA primary beam and partly because on some days there were particularly favourable observing conditions. For the purpose of this paper, in order to assemble a complete sample of a useful size, we have selected a number of sub-areas with  $\approx 5.5$  mJy completeness, which form a total area of  $29.1 \text{ deg}^2$  (Figure 2). These are of various shapes and sizes, so in Table 2 we have described them in terms of small constituent areas bounded by specific RA and Dec. ranges. Although our completeness limit in these regions is  $\approx 5.5$  mJy, we have detected many fainter sources, the faintest being only 1 mJy.

**Table 2.** The areas complete to  $\approx 5.5$  mJy

Field	RA ( $^h$ $^m$ $^s$ ) to RA ( $^h$ $^m$ $^s$ )	Dec ( $^\circ$ $'$ $''$ ) to Dec ( $^\circ$ $'$ $''$ )
0020+2947	00 11 55.7 00 20 08.0	+27 09 39.0 +29 16 04
	00 20 08.0 00 22 45.5	+28 43 43.0 +29 16 04
	00 25 00.8 00 30 54.6	+31 53 24.0 +32 24 07
0303+2629	02 55 27.2 02 58 26.5	+24 56 03.0 +25 27 56
	02 58 26.5 03 01 23.7	+25 27 56.0 +25 58 27
	02 58 21.7 03 04 22.8	+26 29 55.0 +26 59 31
0731+5427	07 22 05.0 07 31 04.6	+53 09 29.0 +53 40 27
	07 26 33.2 07 40 01.2	+53 40 27.0 +55 13 28
	07 22 05.0 07 31 17.7	+55 13 28.0 +55 44 20
0938+3218	09 29 38.0 09 40 46.9	+30 43 45.0 +32 49 53
	09 43 01.8 09 46 08.0	+31 14 44.0 +31 46 05
	09 40 46.9 09 43 35.0	+32 17 15.0 +32 49 55
	09 32 08.6 09 35 23.3	+32 49 53.0 +33 21 31
	09 37 38.7 09 40 46.9	+32 49 53.0 +33 21 16
1228+5301	12 21 19.2 12 25 44.9	+51 58 14.0 +52 30 36
	12 25 44.9 12 30 01.0	+51 58 14.0 +54 02 56
	12 34 22.2 12 38 48.0	+51 58 21.0 +52 30 43
	12 20 54.5 12 25 44.9	+53 31 51.0 +54 02 56
1535+4305	15 34 28.4 15 44 07.5	+40 43 16.0 +42 49 11
	15 44 07.5 15 47 10.1	+42 18 13.0 +42 49 11
	15 22 16.7 15 28 44.7	+42 48 44.0 +43 19 48
	15 22 16.7 15 25 32.3	+43 19 48.0 +43 51 07
	15 40 59.3 15 44 46.9	+44 23 59.0 +44 55 40
1737+4215	15 24 45.0 15 31 50.2	+44 54 51.0 +45 25 52
	17 29 40.3 17 43 57.2	+41 13 24.0 +42 15 51
	17 29 40.3 17 33 16.0	+42 15 51.0 +42 46 40
	17 36 50.1 17 43 57.2	+42 15 51.0 +42 46 40



**Figure 2.** The seven fields, centred at 0020+2947, 0303+2629, 0731+5427, 0938+3218, 1228+5301, 1535+4305 and 1737+4215. The total areas are complete to  $\approx 10$  mJy and the deeper areas (shown in paler grey) to  $\approx 5.5$  mJy.