

Rio Tinto Exploration Update – Winu project

6 June 2019

As announced on 27 February 2019¹, Rio Tinto has discovered copper-gold mineralisation at the Winu project in the Yeneena Basin of the Paterson Province in Western Australia. A significant programme of work has continued at the Winu camp in recent months with 180 people now on site and this release provides additional data on the intercepts for the eleven diamond drill holes reflecting drilling to the end of 2018. In addition, some assay data has changed as a result of quality control and assurance activities.

Significant intercepts for the eleven diamond drill holes not previously available in full, as well as all previously reported results, are set out in Table 1 and Table 2 below. Results continue to indicate relatively wide intersections of vein style copper mineralisation associated with gold and silver beneath relatively shallow cover which ranges from 50 to 100 metres. The mineralisation remains open at depth and to the east, north, and south.

Some changes have been made to the assays due to ongoing quality control and assurance procedures, and changes in analytical techniques. A comparison of original and revised intercepts for the affected drill holes are provided in Table 3 and Table 4. This outlines the completed drilling results to the end of 2018.

The next phase of reverse circulation (RC) and diamond drilling is underway to further define the mineralisation extents and continuity, and results will be reported in a subsequent release in Quarter 3, 2019. There are currently eight diamond rigs, three RC rigs, and a waterbore rig drilling at Winu.

Other activity at Winu includes cultural heritage surveys and the commencement of construction of a gravel airstrip for emergency response purposes, given the exploration camp is located approximately 200 kilometres by gravel and sand track from the Great Northern Highway and a seven hour drive from Port Hedland.

While results continue to be encouraging, the exploration project is still at an early stage and drilling to date does not allow sufficient understanding of the mineralised body to assess the potential size or quality of the mineralisation nor to enable estimation of a Mineral Resource. The assessment and interpretation of existing data is ongoing and is being used to help guide drilling in 2019.

Figure 1 shows the location of the Winu project. Figure 2 shows a plan with the location of all drill holes included in this release. Figure 3 provides a representative updated cross section.

Table 1: Significant mineralised drill hole intercepts with >0.4% Cu or >0.4 g/t Au

| Drill hole | Down hole (m) | | Down hole length (m) | Copper (Cu %) | Gold (Au g/t) | Silver (Ag g/t) |
|-------------|---------------|-----|----------------------|---------------|---------------|-----------------|
| | From | To | | | | |
| RC17PAW0001 | 70 | 174 | 104 | 0.80 | 0.33 | 4.47 |
| RC17PAW0002 | 193 | 204 | 11 | 0.47 | 0.22 | 2.88 |
| RC18WIN0002 | 105 | 123 | 18 | 0.45 | 0.31 | 2.80 |
| RC18WIN0002 | 158 | 219 | 61 | 0.57 | 0.52 | 4.23 |

¹ Rio Tinto Exploration Update – copper-gold mineralisation discovered in the Paterson Province in the far east Pilbara region of Western Australia” released to ASX on 27 February 2019

| Drill hole | Down hole (m) | | Down hole length (m) | Copper (Cu %) | Gold (Au g/t) | Silver (Ag g/t) |
|--|---------------|-----|----------------------|---------------|---------------|-----------------|
| | From | To | | | | |
| RC18WIN0003 | 77 | 148 | 71 | 1.02 | 0.49 | 5.14 |
| WIDI0007 | 60 | 120 | 60 | 1.03 | 1.22 | 4.30 |
| WINU0001 | 135 | 156 | 21 | 1.00 | 0.72 | 7.58 |
| WINU0001 | 163 | 174 | 11 | 0.80 | 0.39 | 4.81 |
| WINU0003 | 140 | 579 | 439 | 0.42 | 0.32 | 2.45 |
| WINU0003 | 656 | 664 | 8 | 0.50 | 0.38 | 2.23 |
| WINU0003 | 710 | 719 | 9 | 0.48 | 0.67 | 2.19 |
| WINU0004 | 88 | 233 | 145 | 0.43 | 0.48 | 3.09 |
| WINU0006 | 60 | 741 | 681 | 0.49 | 0.33 | 3.17 |
| WINU0007 | 244 | 274 | 30 | 0.40 | 0.21 | 2.40 |
| WINU0007 | 318 | 663 | 345 | 0.41 | 0.31 | 2.68 |
| WINU0008 | 197 | 214 | 17 | 0.77 | 0.76 | 4.56 |
| WINU0009 | 179 | 191 | 12 | 0.54 | 0.36 | 3.75 |
| WINU0009 | 604 | 619 | 15 | 0.76 | 0.25 | 4.71 |
| WINU0010 | 122 | 135 | 13 | 0.71 | 0.54 | 3.66 |
| WINU0010 | 222 | 257 | 35 | 0.97 | 0.46 | 6.50 |
| WINU0011 | 276 | 775 | 499 | 0.40 | 0.20 | 2.33 |
| WINU0012 | 95 | 241 | 146 | 0.43 | 0.39 | 2.81 |
| WINU0013 | 91 | 160 | 69 | 0.51 | 0.26 | 3.94 |
| WINU0013 | 215 | 687 | 472 | 0.43 | 0.35 | 2.69 |
| WINU0014 | 78 | 99 | 21 | 0.41 | 0.11 | 2.30 |
| WINU0014 | 110 | 121 | 11 | 0.45 | 0.19 | 1.91 |
| WINU0014 | 185 | 377 | 192 | 0.40 | 0.37 | 2.69 |
| WINU0014 | 450 | 465 | 15 | 1.08 | 0.49 | 5.10 |
| WINU0015 | 100 | 211 | 111 | 0.41 | 0.22 | 2.53 |
| WINU0015 | 226 | 263 | 37 | 0.69 | 0.23 | 2.41 |
| WINU0019 | 100 | 204 | 104 | 0.57 | 0.56 | 3.37 |
| WINU0024 | 97 | 258 | 161 | 0.57 | 0.46 | 3.25 |
| Drilling results not previously available in full at time of 27 February 2019 release | | | | | | |
| WINU0017 | 70 | 526 | 456 | 0.43 | 0.60 | 2.56 |
| WINU0018 | 128 | 313 | 185 | 0.51 | 0.37 | 3.00 |
| WINU0018 | 383 | 423 | 40 | 0.46 | 0.23 | 2.66 |
| WINU0020 | 126 | 131 | 5 | 0.48 | 0.43 | 1.00 |
| WINU0020 | 189 | 434 | 245 | 0.47 | 0.40 | 3.32 |
| WINU0026 | 116 | 145 | 29 | 0.16 | 0.54 | 1.55 |
| WINU0026 | 231 | 258 | 27 | 0.46 | 0.30 | 2.70 |
| WINU0026 | 335 | 340 | 5 | 0.03 | 0.44 | 0.18 |

| Drill hole | Down hole (m) | | Down hole length (m) | Copper (Cu %) | Gold (Au g/t) | Silver (Ag g/t) |
|------------|---------------|-------|----------------------|---------------|---------------|-----------------|
| | From | To | | | | |
| WINU0028 | 187 | 260 | 73 | 0.49 | 0.27 | 3.33 |
| WINU0028 | 289 | 294 | 5 | 0.13 | 0.41 | 0.71 |
| WINU0028 | 367 | 373 | 6 | 0.52 | 0.67 | 2.55 |
| WINU0028 | 395 | 406 | 11 | 0.48 | 0.15 | 3.13 |
| WINU0028 | 507 | 512 | 5 | 0.03 | 1.15 | 0.24 |
| WINU0031 | 75 | 93 | 18 | 0.07 | 0.49 | 1.37 |
| WINU0031 | 105 | 118 | 13 | 0.45 | 0.81 | 2.82 |
| WINU0031 | 123 | 131 | 8 | 0.11 | 0.56 | 1.33 |
| WINU0031 | 256 | 261 | 5 | 0.13 | 0.45 | 1.80 |
| WINU0031 | 381 | 472.1 | 91.1 | 0.58 | 0.21 | 3.28 |
| WINU0034 | 254 | 303.6 | 49.6 | 0.42 | 0.13 | 1.30 |
| WINU0036 | 128 | 147 | 19 | 0.27 | 0.47 | 0.95 |

(Drill holes that did not intersect significant mineralisation at 0.4% Cu or 0.4 g/t Au cut-off include RC18WIN0001, WB18WIN0001, WB18WIN0002, WINU0029, WINU0032 and WINU0035.)

Table 2: Significant mineralised drill hole intercepts with Cu >0.2% or Au >0.2g/t.

| Drill hole | Down hole (m) | | Down hole length (m) | Copper (Cu %) | Gold (Au g/t) | Silver (Ag g/t) |
|-------------------------|---------------|------------|----------------------|---------------|---------------|-----------------|
| | From | To | | | | |
| RC17PAW0001 | 70 | 174 | 104 | 0.80 | 0.33 | 4.47 |
| <i>RC17PAW0001 incl</i> | 72 | 83 | 11 | 2.24 | 0.64 | 8.25 |
| <i>RC17PAW0001 incl</i> | 143 | 174 | 31 | 1.13 | 0.37 | 6.83 |
| RC17PAW0002 | 71 | 79 | 8 | 0.77 | 0.39 | 3.67 |
| RC17PAW0002 | 98 | 144 | 46 | 0.44 | 0.30 | 2.46 |
| <i>RC17PAW0002 incl</i> | 98 | 120 | 22 | 0.51 | 0.29 | 2.47 |
| RC17PAW0002 | 173 | 182 | 9 | 0.44 | 0.60 | 2.06 |
| RC17PAW0002 | 193 | 204 | 11 | 0.47 | 0.22 | 2.88 |
| RC18WIN0001 | 118 | 133 | 15 | 0.24 | 0.18 | 0.76 |
| RC18WIN0001 | 190 | 204 | 14 | 0.24 | 0.23 | 1.08 |
| RC18WIN0002 | 105 | 123 | 18 | 0.45 | 0.31 | 2.80 |
| RC18WIN0002 | 158 | 219 | 61 | 0.57 | 0.52 | 4.23 |
| RC18WIN0003 | 77 | 148 | 71 | 1.02 | 0.49 | 5.14 |
| <i>RC18WIN0003 incl</i> | 77 | 90 | 13 | 2.07 | 0.52 | 5.52 |
| <i>RC18WIN0003 incl</i> | 104 | 136 | 32 | 1.15 | 0.53 | 6.59 |
| WB18WIN0002 | 98 | 111 | 13 | 0.20 | 0.12 | 1.40 |
| WB18WIN0002 | 130 | 142 | 12 | 0.27 | 0.20 | 1.76 |
| WIDI0007 | 60 | 120 | 60 | 1.03 | 1.22 | 4.30 |
| <i>WIDI0007 incl</i> | 82 | 102 | 20 | 1.05 | 1.96 | 5.33 |
| <i>WIDI0007 incl</i> | 105 | 120 | 15 | 1.94 | 0.85 | 4.63 |
| WINU0001 | 75 | 481 | 406 | 0.29 | 0.24 | 1.90 |
| <i>WINU0001 incl</i> | 135 | 156 | 21 | 1.00 | 0.72 | 7.58 |
| <i>WINU0001 incl</i> | 163 | 174 | 11 | 0.80 | 0.39 | 4.81 |
| WINU0003 | 140 | 579 | 439 | 0.42 | 0.32 | 2.45 |
| <i>WINU0003 incl</i> | 157 | 174 | 17 | 0.81 | 0.36 | 5.01 |
| <i>WINU0003 incl</i> | 194 | 206 | 12 | 0.57 | 0.59 | 3.44 |
| <i>WINU0003 incl</i> | 299 | 306 | 7 | 0.98 | 0.54 | 4.40 |
| <i>WINU0003 incl</i> | 315 | 321 | 6 | 2.78 | 0.78 | 17.31 |
| <i>WINU0003 incl</i> | 452 | 481 | 29 | 0.76 | 0.40 | 3.84 |
| WINU0003 | 656 | 664 | 8 | 0.50 | 0.38 | 2.23 |
| WINU0003 | 710 | 719 | 9 | 0.48 | 0.67 | 2.19 |
| WINU0004 | 88 | 233 | 145 | 0.43 | 0.48 | 3.09 |
| <i>WINU0004 incl</i> | 88 | 94 | 6 | 4.69 | 2.52 | 26.41 |
| WINU0006 | 60 | 743 | 683 | 0.48 | 0.33 | 3.17 |
| WINU0007 | 211 | 218 | 7 | 0.43 | 0.12 | 3.13 |

| Drill hole | Down hole (m) | | Down hole length (m) | Copper (Cu %) | Gold (Au g/t) | Silver (Ag g/t) |
|----------------------|---------------|------------|----------------------|---------------|---------------|-----------------|
| | From | To | | | | |
| WINU0007 | 244 | 274 | 30 | 0.40 | 0.21 | 2.40 |
| WINU0007 | 278 | 283 | 5 | 0.42 | 0.17 | 3.13 |
| WINU0007 | 285 | 292 | 7 | 0.61 | 0.20 | 3.15 |
| WINU0007 | 318 | 663 | 345 | 0.41 | 0.31 | 2.68 |
| <i>WINU0007 incl</i> | 338 | 348 | 10 | 1.66 | 0.27 | 11.34 |
| <i>WINU0007 incl</i> | 417 | 430 | 13 | 0.99 | 0.19 | 6.80 |
| <i>WINU0007 incl</i> | 529 | 546 | 17 | 0.37 | 1.43 | 2.26 |
| <i>WINU0007 incl</i> | 576 | 590 | 14 | 0.65 | 0.19 | 3.13 |
| WINU0008 | 96 | 358 | 262 | 0.27 | 0.30 | 1.61 |
| <i>WINU0008 incl</i> | 197 | 214 | 17 | 0.77 | 0.76 | 4.56 |
| WINU0009 | 73 | 83 | 10 | 0.24 | 0.04 | 0.76 |
| WINU0009 | 104 | 326 | 222 | 0.20 | 0.18 | 1.40 |
| <i>WINU0009 incl</i> | 113 | 120 | 7 | 1.06 | 0.37 | 3.22 |
| <i>WINU0009 incl</i> | 165 | 172 | 7 | 0.53 | 0.59 | 3.44 |
| <i>WINU0009 incl</i> | 179 | 191 | 12 | 0.54 | 0.36 | 3.75 |
| WINU0009 | 338 | 662 | 324 | 0.25 | 0.16 | 1.48 |
| <i>WINU0009 incl</i> | 344 | 349 | 5 | 0.86 | 0.27 | 3.79 |
| <i>WINU0009 incl</i> | 604 | 619 | 15 | 0.76 | 0.25 | 4.71 |
| WINU0010 | 109 | 474 | 365 | 0.27 | 0.24 | 1.64 |
| <i>WINU0010 incl</i> | 122 | 135 | 13 | 0.71 | 0.54 | 3.66 |
| <i>WINU0010 incl</i> | 222 | 257 | 35 | 0.97 | 0.46 | 6.50 |
| WINU0011 | 112 | 130 | 18 | 0.22 | 0.74 | 0.81 |
| WINU0011 | 276 | 775 | 499 | 0.40 | 0.20 | 2.33 |
| <i>WINU0011 incl</i> | 556 | 570 | 14 | 1.25 | 0.52 | 8.66 |
| <i>WINU0011 incl</i> | 627 | 648 | 21 | 0.98 | 0.28 | 5.88 |
| <i>WINU0011 incl</i> | 696 | 719 | 23 | 1.03 | 0.24 | 4.37 |
| WINU0012 | 94 | 396 | 302 | 0.25 | 0.27 | 1.55 |
| WINU0012 | 95 | 241 | 146 | 0.43 | 0.39 | 2.81 |
| WINU0013 | 91 | 160 | 69 | 0.51 | 0.26 | 3.94 |
| WINU0013 | 215 | 687 | 472 | 0.43 | 0.35 | 2.69 |
| WINU0014 | 78 | 99 | 21 | 0.41 | 0.11 | 2.30 |
| WINU0014 | 110 | 121 | 11 | 0.45 | 0.19 | 1.91 |
| WINU0014 | 161 | 170 | 9 | 0.46 | 0.29 | 2.73 |
| WINU0014 | 185 | 377 | 192 | 0.40 | 0.37 | 2.69 |
| WINU0014 | 399 | 408 | 9 | 0.51 | 0.29 | 2.49 |
| WINU0014 | 450 | 465 | 15 | 1.08 | 0.49 | 5.10 |
| WINU0015 | 94 | 496 | 402 | 0.24 | 0.18 | 1.18 |

| Drill hole | Down hole (m) | | Down hole length (m) | Copper (Cu %) | Gold (Au g/t) | Silver (Ag g/t) |
|--|---------------|-------|----------------------|---------------|---------------|-----------------|
| | From | To | | | | |
| WINU0015 | 100 | 211 | 111 | 0.41 | 0.22 | 2.53 |
| WINU0015 | 226 | 263 | 37 | 0.69 | 0.23 | 2.41 |
| WINU0019 | 100 | 204 | 104 | 0.57 | 0.56 | 3.37 |
| WINU0024 | 97 | 258 | 161 | 0.57 | 0.46 | 3.25 |
| <i>WINU0024 incl</i> | 97 | 117 | 20 | 1.01 | 1.10 | 3.78 |
| <i>WINU0024 incl</i> | 191 | 226 | 35 | 0.74 | 0.39 | 4.64 |
| Drilling results not previously available in full at time of 27 February 2019 release | | | | | | |
| WINU0017 | 70 | 526 | 456 | 0.43 | 0.60 | 2.56 |
| WINU0018 | 71 | 423 | 352 | 0.35 | 0.27 | 2.17 |
| WINU0020 | 105 | 434 | 329 | 0.39 | 0.33 | 2.70 |
| WINU0020 | 480 | 489 | 9 | 0.05 | 0.44 | 0.33 |
| WINU0026 | 108 | 146 | 38 | 0.16 | 0.44 | 1.60 |
| WINU0026 | 207 | 215 | 8 | 0.26 | 0.23 | 1.15 |
| WINU0026 | 231 | 258 | 27 | 0.46 | 0.30 | 2.70 |
| WINU0026 | 295 | 302 | 7 | 0.14 | 0.24 | 0.68 |
| WINU0026 | 335 | 340 | 5 | 0.03 | 0.44 | 0.18 |
| WINU0028 | 86 | 92 | 6 | 0.01 | 0.37 | 0.74 |
| WINU0028 | 119 | 125 | 6 | 0.01 | 0.25 | 0.68 |
| WINU0028 | 178 | 294 | 116 | 0.35 | 0.22 | 2.30 |
| WINU0028 | 367 | 422 | 55 | 0.31 | 0.20 | 1.85 |
| WINU0028 | 507 | 512 | 5 | 0.03 | 1.15 | 0.24 |
| WINU0029 | 225 | 231 | 6 | 0.08 | 0.26 | 0.42 |
| WINU0031 | 71 | 159 | 88 | 0.15 | 0.35 | 1.68 |
| WINU0031 | 214 | 291 | 77 | 0.11 | 0.20 | 0.74 |
| WINU0031 | 312 | 322 | 10 | 0.14 | 0.55 | 1.03 |
| WINU0031 | 343 | 476 | 133 | 0.46 | 0.18 | 2.82 |
| WINU0034 | 174 | 181 | 7 | 0.23 | 0.14 | 0.88 |
| WINU0034 | 203 | 209 | 6 | 0.22 | 0.05 | 0.37 |
| WINU0034 | 251 | 303.6 | 52.6 | 0.40 | 0.14 | 1.24 |
| WINU0036 | 121.35 | 148 | 26.65 | 0.23 | 0.37 | 0.97 |
| WINU0036 | 171.7 | 183 | 11.3 | 0.13 | 0.26 | 0.55 |

(Drill holes that did not intersect significant mineralisation at 0.2% Cu or 0.2 g/t Au cut-off include WINU0032 and WINU0035.)

Table 3: Updated significant mineralised drill hole intercepts >0.4% Cu or >0.4 g/t Au

| | Drill hole | Down hole (m) | | Down hole length (m) | Copper (Cu %) | Gold (Au g/t) | Silver (Ag g/t) |
|----------------|--------------------|---------------|------------|----------------------|---------------|---------------|-----------------|
| | | From | To | | | | |
| Original | RC17PAW0001 | 70 | 174 | 104 | 0.80 | 0.28 | 4.35 |
| Updated | RC17PAW0001 | 70 | 174 | 104 | 0.80 | 0.33 | 4.47 |
| Original | RC17PAW0002 | 193 | 204 | 11 | 0.47 | 0.21 | 2.60 |
| Updated | RC17PAW0002 | 193 | 204 | 11 | 0.47 | 0.22 | 2.88 |
| Original | WINU0006 | 68 | 809 | 741 | 0.45 | 0.52 | 2.94 |
| Updated | WINU0006 | 60 | 741 | 681 | 0.49 | 0.33 | 3.17 |

Table 4: Updated significant mineralised drill hole intercepts >0.2% Cu or >0.2 g/t Au

| | Drill hole | Down hole (m) | | Down hole length (m) | Copper (Cu %) | Gold (Au g/t) | Silver (Ag g/t) |
|----------------|--------------------|---------------|------------|----------------------|---------------|---------------|-----------------|
| | | From | To | | | | |
| Original | RC17PAW0001 | 70 | 174 | 104 | 0.80 | 0.28 | 4.35 |
| Updated | RC17PAW0001 | 70 | 174 | 104 | 0.80 | 0.33 | 4.47 |
| Original | RC17PAW0002 | 71 | 79 | 8 | 0.74 | 0.31 | 3.23 |
| Updated | RC17PAW0002 | 71 | 79 | 8 | 0.77 | 0.39 | 3.67 |
| Original | RC17PAW0002 | 98 | 144 | 46 | 0.44 | 0.29 | 2.21 |
| Updated | RC17PAW0002 | 98 | 144 | 46 | 0.44 | 0.30 | 2.46 |
| Original | RC17PAW0002 | 173 | 182 | 9 | 0.44 | 0.53 | 1.80 |
| Updated | RC17PAW0002 | 173 | 182 | 9 | 0.44 | 0.60 | 2.06 |
| Original | RC17PAW0002 | 193 | 204 | 11 | 0.47 | 0.21 | 2.60 |
| Updated | RC17PAW0002 | 193 | 204 | 11 | 0.47 | 0.22 | 2.88 |
| Original | WINU0006 | 46 | 809 | 763 | 0.44 | 0.65 | 2.88 |
| Updated | WINU0006 | 60 | 743 | 683 | 0.48 | 0.33 | 3.17 |

Figure 1: Location map of the Winu project

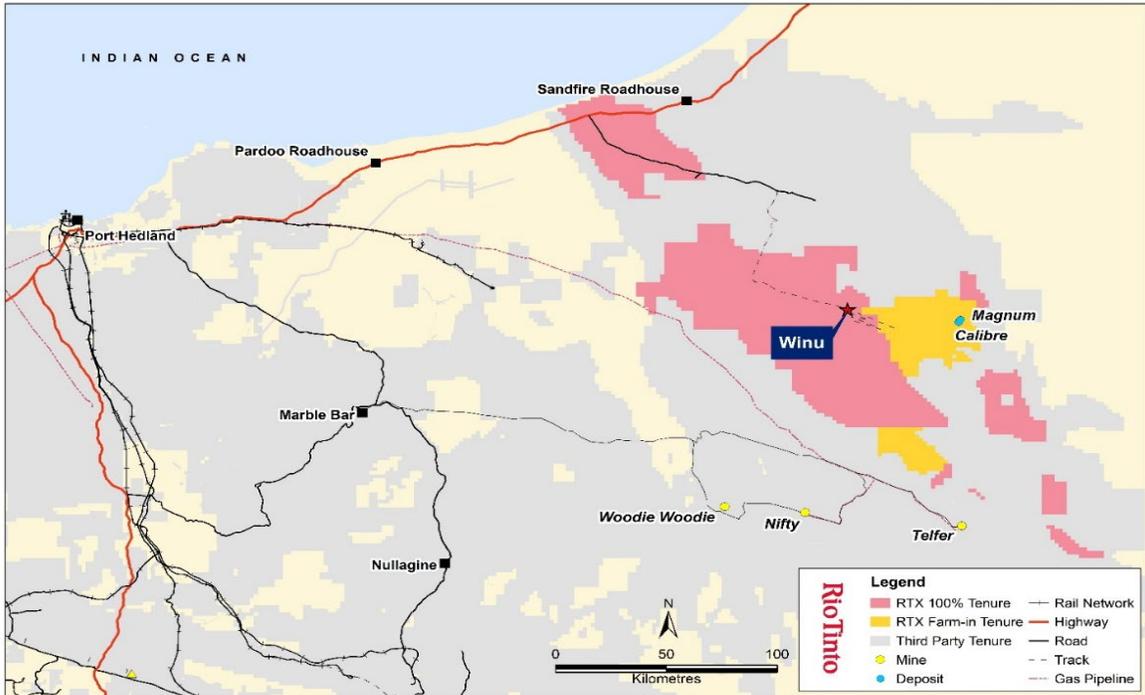
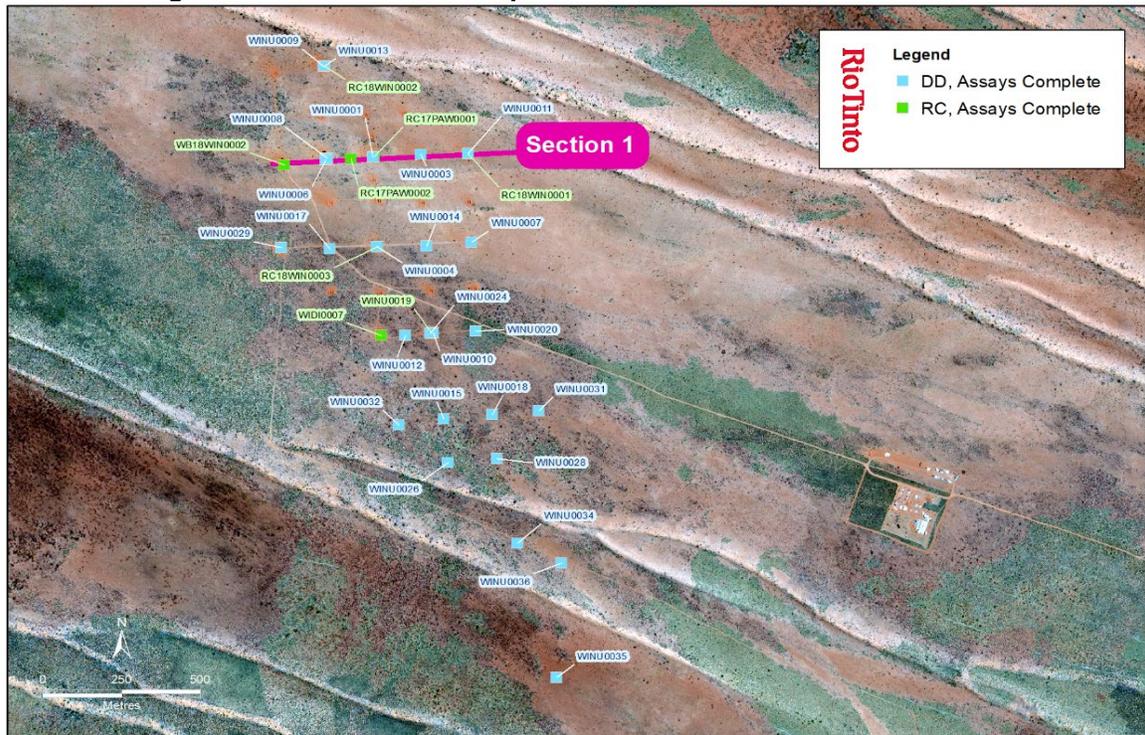
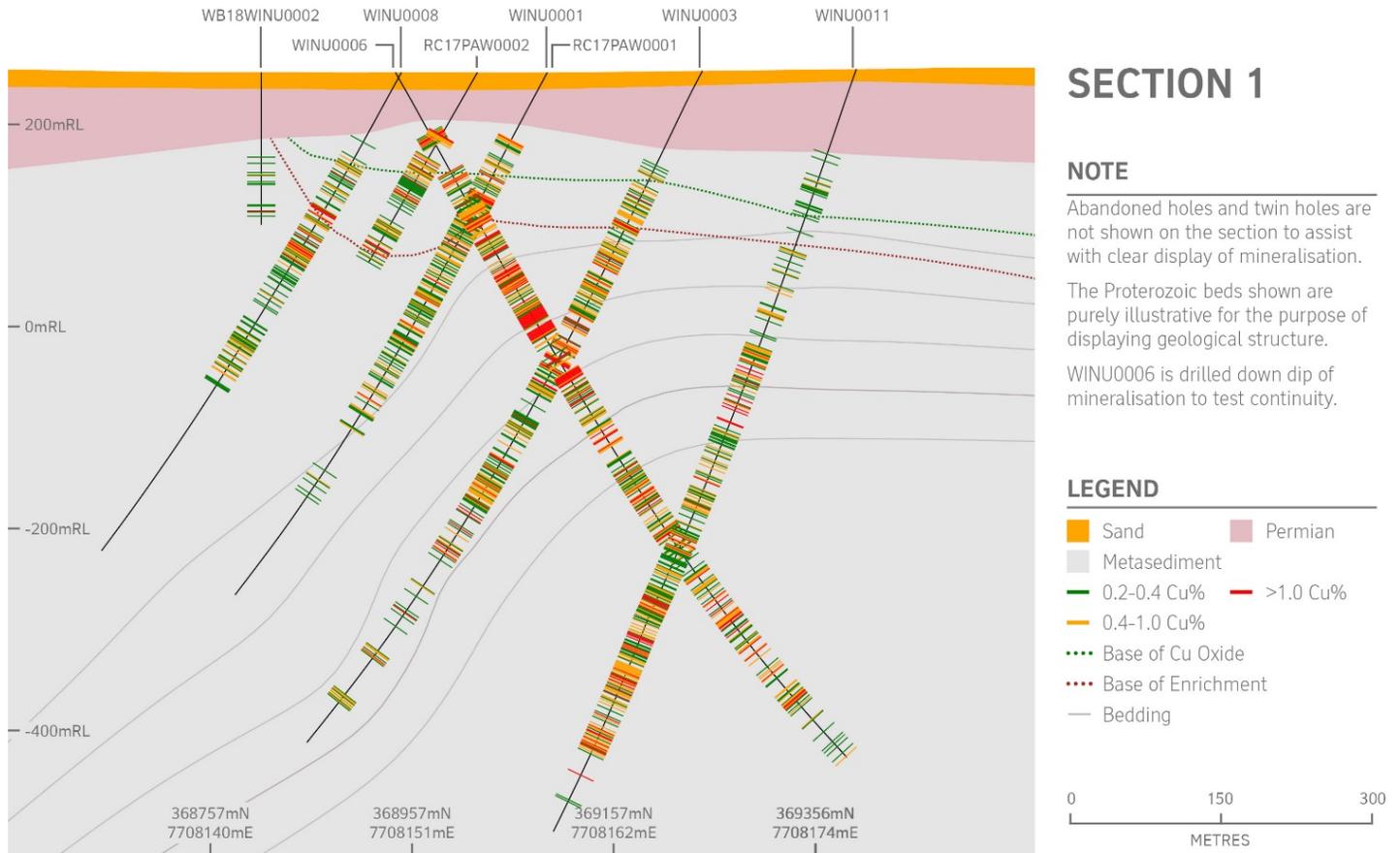


Figure 2: Drill collar location plan for Winu with section line location.



(Abandoned drill holes are not displayed.)

Figure 3: Cross section through Winu mineralisation



Competent Persons Statement

The information in this report that relates to Exploration Results is based on information compiled under the supervision of Dr Julian Verbeek who is a Member of the Australasian Institute of Mining and Metallurgy (MAusIMM) and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity to which he is undertaking to qualify as a competent person as defined in the 2012 edition of the “Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves”.

This report also refers to information previously reported in a report entitled “Rio Tinto Exploration Update – copper-gold mineralisation discovered in the Paterson Province in the far east Pilbara region of Western Australia” released to the ASX on 27 February 2019, and available on www.riotinto.com. There is no new information or data that materially affects the information included in the original market announcement, with the exception of the updated assays and additional assay data noted in this release.

Dr Julian Verbeek is a full-time employee of Rio Tinto Exploration and consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Winu Project: JORC Table 1

The following table provides a summary of important assessment and reporting criteria used at the Winu project for the reporting of Exploration Results in accordance with the Table 1 checklist in *The Australasian Code for the Reporting of Exploration Results, Mineral Resources and Ore Reserves (The JORC Code, 2012 Edition)*. Criteria in each section apply to all preceding and succeeding sections.

SECTION 1 SAMPLING TECHNIQUES AND DATA

| Criteria | Commentary |
|--|---|
| Sampling techniques | <ul style="list-style-type: none"> Reverse circulation drilling samples were collected from a cone split on the cyclone on a 1-m interval. The sample consisted of the 10% of the drilled metre and its weight varied from 2 to 5 kg. Heavy samples were split manually using a single tier riffle splitter to produce a manageable sample weight. PQ and HQ diamond core was drilled on a 6-m run. The core was cut using an automated core-cutter and sample was collected on a 1-m interval half core. |
| Drilling techniques | <ul style="list-style-type: none"> The drilling consisted of reverse circulation with face sampling bit and triple tubed diamond drilling from surface. The drill holes were generally cased from 30 m progressing from PQ to HQ at 160 m on average; however, exact depths vary from hole to hole. The core was oriented using the ACT III RD tool. At the end of each run, the low side of the core was marked by the drillers and this was used at the site for marking the whole drill core with a reference line. |
| Drill sample recovery | <ul style="list-style-type: none"> Core recovery was measured and recorded continuously from the start of casing to the end of the hole for every drill hole. Each run of 6 m length was marked by a core block which provided the depth, the core drilled and the core recovered. Generally the core recovery was >99%. RC samples were weighted, the hole was flushed after each 1m sample and the sample weights were compared to identify any loss. Generally, the sample weights were comparable. |
| Logging | <ul style="list-style-type: none"> Detailed descriptions of core were logged qualitatively for lithological composition and texture, structures, veining and sulphide composition. In addition, a quantitative estimate was also done for some minerals including sulphides. Structural and geotechnical measurements were also recorded and uploaded into acQuire. All the drilled holes were logged before sampling. The core was photographed both dry and wet inside the core trays. The logging of the RC chips was done after sieving and washing of the material collected from the cyclone. |
| Sub-sampling techniques and sample preparation | <ul style="list-style-type: none"> Diamond core was sawn into two, and half was collected in a bag and submitted for analysis, the other half was kept in the tray and stored. The core was sampled at 1m intervals with breaks for major geological changes. Intervals generally range from 0.5 m to 1 m. The diamond half core and RC samples were sent to an ALS Limited laboratory, where they were dried and crushed to 2 mm with 70% pass and then split using a rotary splitter to produce a 750 g sub-sample. The crushed sub-sample was pulverised with 85% passing 75 µm using a LM2 mill and a 30 to 50 g sample taken for analysis. A portion of the 2 mm sized material was used for VNIR/SWIR spectral readings, which were sent to AusSpec International for interpretation. Duplicate samples were collected at each stage of the preparation, with a rate of 1:50 (field duplicates) or 1:20 (crush and pulp duplicates) samples. Duplicate results show acceptable levels of precision for the style of mineralisation. Sample sizes are considered appropriate for the style of mineralisation. |

| | |
|--|--|
| <p>Quality of assay data and laboratory tests</p> | <ul style="list-style-type: none"> • All samples were submitted to an ALS Limited laboratory in Perth. • 51 elements were analysed using 4-acid digestion followed by ICP-OES/MS measurements, including qualitative Au, Pt and Pd. • 30 to 50 g of sample were used for Au analysis by fire assay with AAS finish. • Portable XRF analysis on pulp for Cr, Nb, S, Si, Ta, Ti, Y and Zr was done using a Delta and Vanta Olympus instrument. • Quality control samples consisted of field duplicates (1:50), crush duplicates (1:20), pulp duplicates (1:20), blanks (1:20) and certified reference materials (3:100). All the results were checked in the acQuire database before being used, and all the analysed batches performed within acceptable accuracy and precision limits for the style of mineralisation. No material contamination was noted in the laboratory process. |
| <p>Verification of sampling and assaying</p> | <ul style="list-style-type: none"> • All the sample intervals were visually verified using high quality core photography through Imago, and some selected samples were taken inside the mineralised interval for optical microscopy by qualified petrologists. • No adjustment was done on the assay data that are electronically uploaded from the laboratory to the database. • The drill core logging data is managed by a computerised system and strict validation steps were followed. • The data are stored in a secured database with restricted access. • There are two twinned holes (one RC and one diamond) that were drilled for validation of the assays. The results from these holes indicate that there is no bias present due to drilling method. • A systematic analysis of duplicate samples was carried out at each stage of sampling including field, crush and pulp duplicates. The results from the duplicates were within acceptable range for this type of mineralisation. The results from blanks did not indicate contamination during the laboratory procedure. |
| <p>Location of data points</p> | <ul style="list-style-type: none"> • Drill hole collar locations were surveyed after drilling by an independent survey contractor using a Leica Viva GS15 GNSS base and rover system operating in RTK mode to a stated accuracy of +/- 20 mm. • The topography is relatively flat with average elevation of 240 m. • The data for the collars are provided in the Geocentric Datum of Australia (GDA94 zone 51). • Downhole surveys were completed every 10, 25 or 50 m using a Reflex EZ Gyro or Reflex SPRINT-IQ. |
| <p>Data spacing and distribution</p> | <ul style="list-style-type: none"> • The drill hole spacing is 130 to 150 m across strike by 300 m along strike (between lines). • The current drilling does not provide sufficient information for estimation of a Mineral Resource. • The intercepted mineralisation is still open to the east, north, south and at depth and further drilling will continue during 2019. • The reported results are from eleven diamond drill holes that were pending assay results in the release dated 27 February 2019 "Rio Tinto Exploration Update – copper-gold mineralisation discovered in the Paterson Province in the far east Pilbara region of Western Australia". • No compositing has been applied to the samples. |
| <p>Orientation of data in relation to geological structure</p> | <ul style="list-style-type: none"> • Drilling is mainly orientated perpendicular to the main structural trend of the area; however, there are multiple mineralisation events and there is insufficient data to confirm the geological model. |

| | |
|-------------------|---|
| Sample security | <ul style="list-style-type: none"> • Samples in calico bags are stored on site in enclosed stillages and transported via road on trucks from the site to an ALS Limited laboratory in Perth via Port Hedland. • The diamond sample intervals were verified against the recorded core lost in the drilling plods. • Sample numbers were generated directly from the database. • Each sample was given a barcode at the laboratory and the laboratory reconciled the received sample list with physical samples. Barcode readers were used at the different stages of the analytical process. • The laboratory uses a LIMS system that further ensures the integrity of the results. |
| Audits or reviews | <ul style="list-style-type: none"> • No external audits have been performed at this early stage of the project. • The database containing the data related to all Rio Tinto exploration programs is internally checked. |

SECTION 2 REPORTING OF EXPLORATION RESULTS

| Criteria | Commentary |
|---|--|
| Mineral tenement and land tenure status | <ul style="list-style-type: none"> • All Rio Tinto Exploration tenements are kept with respect to the legislation in terms of obligations including minimum expenditure. This project is located within Exploration Licence E45/4833, which is 100% owned by RTX and expires on the 12th of October 2022. |
| Exploration done by other parties | <ul style="list-style-type: none"> • No exploration has been carried out in the Winu area prior to RTX work in 2016. |
| Geology | <ul style="list-style-type: none"> • The prospect is located on the Anketell Shelf of the Yeneena Basin, a Neoproterozoic sequence of metasedimentary rocks and granitoids that is entirely covered by Phanerozoic sediments, up to 100 m thick in the Winu area. • The main lithologies intercepted by the current drilling at Winu include metasedimentary rocks (quartzites, metasandstones, metasiltsstones and metapelites), unmetamorphosed sedimentary cover rocks (conglomerates, arkoses and mudstones), granite and dolerite. Host rocks to copper-gold mineralisation are fine to medium-grained subarkosic metasandstones and biotite-rich metasiltsstones. • The mineralisation is predominantly vein controlled. Mineralisation includes chalcopyrite, chalcocite, pyrite, pyrrhotite, molybdenite, bornite, scheelite, bismuthinite and wolframite. Several generations of veins are identified and characterised by different mineralogical assemblages and textures. The main mineralisation event is associated with quartz-K-feldspar-sulphide and sulphide-carbonate veins with dominantly K-feldspar, muscovite, biotite and/or chlorite wallrock alteration. • Primary sulphide mineralisation is overlain by a supergene blanket containing secondary copper minerals as well as native copper in places. |
| Drill hole Information | <ul style="list-style-type: none"> • Appendix 1 provides details of drill hole coordinates, orientations and length for all drill holes. |
| Data aggregation methods | <ul style="list-style-type: none"> • The average grades presented in this report are all length-weighted averages above a 0.2% Cu, 0.2 g/t Au, 0.4% Cu or 0.4 g/t Au cut-off as noted. |

| | |
|--|---|
| Relationship between mineralisation widths and intercept lengths | <ul style="list-style-type: none"> Insufficient data is available to confirm the geological model and as such all results are reported in apparent width; the true width is still unknown. |
| Diagrams | <ul style="list-style-type: none"> Plans are included in the release as below: Location Map (Figure 1), Drillhole collar plan (Figure 2) and Winu Cross section (Figure 3) |
| Balanced reporting | <ul style="list-style-type: none"> This is the second release of available exploration results for this deposit and updates the assay information for eleven holes from the first release that were still awaiting results at that time. Drilling is ongoing and further results will be reported in a subsequent release in Quarter 3, 2019. |
| Other substantive exploration data | <ul style="list-style-type: none"> Specific gravity measurements were taken on 20 cm of solid core for every 20 m, representing different lithologies and mineralised intervals. The measurement used the hydrostatic/gravimetric method (Archimedes Principle of buoyancy). Magnetic susceptibility was measured for each sample using KT-10 (kappameter) instrument. Geophysical surveys were carried out over the deposit area including airborne electromagnetics, ground gravity, induced polarisation/resistivity, passive seismic, and downhole density, gamma, conductivity, resistivity, induced polarisation, magnetic susceptibility and acoustic televiewer. Geometallurgical characterisation was conducted on the first RC holes, which indicated satisfactory results however further tests are required to confirm potential recovery. WorldView2 images were acquired for help in better planning and reporting of the exploration program. |
| Further work | <ul style="list-style-type: none"> RTX has continued to evaluate and interpret the results from the 2018 and 2019 work program. The results presented here indicate the mineralisation is not closed off by the drilling performed to date. Preliminary metallurgical test work has commenced. Drilling at Winu is ongoing. In addition to the ongoing work at Winu, RTX is conducting exploration within the broader Paterson Province on its wholly owned licences and joint venture licences during 2019. |

Appendix 1 Drill hole coordinates, orientations and depths

The data for the collars are provided in the Geocentric Datum of Australia (GDA94 zone 51)

| Drill hole | Easting (mE) | Northing (mN) | Elevation (m RL) | Down hole depth (m) | Dip (deg) | Azimuth (deg) | Hole type | Hole status |
|-------------|--------------|---------------|------------------|---------------------|-----------|---------------|-----------|-----------------|
| RC17PAW0001 | 369093.00 | 7708170.00 | 246.00 | 174 | 60.00 | 260.00 | RC | Assays Received |
| RC17PAW0002 | 369020.00 | 7708163.00 | 245.00 | 216 | 60.00 | 260.00 | RC | Assays Received |
| RC18WIN0001 | 369390.00 | 7708180.00 | 248.30 | 213 | 70.86 | 261.13 | RC | Assays Received |
| RC18WIN0002 | 368936.30 | 7708476.67 | 248.68 | 246 | 71 | 75.63 | RC | Assays Received |
| RC18WIN0003 | 369103.96 | 7707866.69 | 245.42 | 150 | 70.29 | 262.88 | RC | Assays Received |
| WB18WIN0001 | 370865.70 | 7707006.98 | 247.95 | 141 | 90 | 0 | RC | Abandoned |
| WB18WIN0002 | 368808.29 | 7708143.31 | 245.87 | 150 | 90 | 0 | RC | Assays Received |
| WIDI0007 | 369115.62 | 7707564.51 | 247.28 | 120 | 90 | 0 | RC | Assays Received |
| WINU0001 | 369088.64 | 7708169.08 | 245.22 | 600.8 | 61.22 | 260.92 | DD | Assays Received |
| WINU0002 | 369242.00 | 7708179.00 | 248.00 | 56.2 | 60 | 260 | DD | Abandoned |
| WINU0003 | 369240.45 | 7708178.40 | 245.75 | 770.4 | 61.72 | 267.58 | DD | Assays Received |
| WINU0004 | 369101.79 | 7707866.68 | 245.32 | 520.1 | 60.97 | 266.35 | DD | Assays Received |
| WINU0005 | 368944.20 | 7708165.52 | 245.37 | 147.9 | 61.16 | 81.91 | DD | Abandoned |
| WINU0006 | 368939.82 | 7708158.39 | 245.18 | 809.8 | 61.11 | 82.69 | DD | Assays Received |
| WINU0007 | 369401.90 | 7707881.45 | 245.63 | 723.6 | 60.35 | 262.57 | DD | Assays Received |
| WINU0008 | 368944.56 | 7708165.54 | 245.14 | 555.8 | 60.68 | 259.54 | DD | Assays Received |
| WINU0009 | 368934.04 | 7708475.81 | 248.35 | 685.3 | 59.7 | 87.85 | DD | Assays Received |
| WINU0010 | 369279.09 | 7707574.74 | 246.67 | 513.3 | 60.81 | 259.71 | DD | Assays Received |
| WINU0011 | 369390.36 | 7708181.47 | 246.77 | 807.4 | 70.33 | 255.9 | DD | Assays Received |
| WINU0012 | 369191.30 | 7707564.24 | 246.89 | 473.8 | 70.97 | 260.06 | DD | Assays Received |
| WINU0013 | 368935.95 | 7708476.61 | 248.49 | 686.6 | 70.6 | 77.95 | DD | Assays Received |
| WINU0014 | 369259.35 | 7707868.05 | 245.20 | 492.9 | 60.35 | 266.67 | DD | Assays Received |
| WINU0015 | 369313.47 | 7707282.29 | 249.06 | 534.8 | 60.47 | 260.96 | DD | Assays Received |
| WINU0016 | 368950.71 | 7707855.70 | 245.61 | 56.2 | 60 | 80 | DD | Abandoned |
| WINU0017 | 368952.64 | 7707858.97 | 245.68 | 531.8 | 60.39 | 82.55 | DD | Assays Received |
| WINU0018 | 369465.65 | 7707297.51 | 248.12 | 501.8 | 61.24 | 258.76 | DD | Assays Received |

| Drill hole | Easting (mE) | Northing (mN) | Elevation (m RL) | Down hole depth (m) | Dip (deg) | Azimuth (deg) | Hole type | Hole status |
|------------|--------------|---------------|------------------|---------------------|-----------|---------------|-----------|-----------------|
| WINU0019 | 369273.87 | 7707573.91 | 246.77 | 204 | 60.04 | 262.41 | RC | Assays Received |
| WINU0020 | 369414.96 | 7707580.36 | 246.37 | 561.8 | 60.3 | 261.18 | DD | Assays Received |
| WINU0021 | 368987.96 | 7707560.70 | 248.05 | 61.6 | 60 | 260 | DD | Abandoned |
| WINU0022 | 368985.69 | 7707560.27 | 248.16 | 90 | 60 | 260 | DD | Abandoned |
| WINU0023 | 369273.69 | 7707572.26 | 246.78 | 38.4 | 60 | 260 | DD | Abandoned |
| WINU0024 | 369269.77 | 7707571.89 | 246.73 | 269.9 | 60 | 260 | DD | Assays Received |
| WINU0025 | 368987.22 | 7707555.34 | 248.15 | 90.6 | 60 | 260 | DD | Abandoned |
| WINU0026 | 369326.59 | 7707134.88 | 250.77 | 429.6 | 60.54 | 263.05 | DD | Assays Received |
| WINU0027 | 369167.64 | 7707270.26 | 250.45 | 32.2 | 60 | 260 | DD | Abandoned |
| WINU0028 | 369480.63 | 7707149.19 | 249.49 | 546.8 | 61.19 | 261.81 | DD | Assays Received |
| WINU0029 | 368799.03 | 7707861.70 | 246.64 | 358.6 | 61.42 | 265.78 | DD | Assays Received |
| WINU0030 | 368783.00 | 7708460.00 | 245.00 | 60.4 | 60 | 260 | DD | Abandoned |
| WINU0031 | 369614.42 | 7707311.70 | 247.51 | 476.7 | 61.14 | 263.76 | DD | Assays Received |
| WINU0032 | 369171.02 | 7707262.74 | 250.36 | 343.2 | 61.15 | 262.65 | DD | Assays Received |
| WINU0033 | 368789.00 | 7708465.00 | 252.00 | 78.3 | 60 | 260 | DD | Abandoned |
| WINU0034 | 369547.18 | 7706862.83 | 253.24 | 395.1 | 60.43 | 265.41 | DD | Assays Received |
| WINU0035 | 369670.97 | 7706407.88 | 253.12 | 282 | 60.86 | 263.18 | DD | Assays Received |
| WINU0036 | 369684.50 | 7706795.84 | 252.98 | 376.2 | 61.59 | 261.39 | DD | Assays Received |

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