

## HIGH-GRADE GOLD AT NEW SOUTHERN NIGHTS ZONE; RESOURCE ESTIMATION UPDATE NOW UNDERWAY

- A new high-grade zone located at the southern end of the Southern Nights deposit (~500m south of Southern Nights Central Zone) has returned further strong assay results including some of the highest-grade gold mineralisation intersected at Southern Nights to date:
  - 35m @ 6.3% Zn, 2.59% Pb, 105 g/t Ag, 0.24% Cu, 1.87 g/t Au from 232m (including 5.9m @ 17.13% Zn, 8.34% Pb, 376 g/t Ag, 0.26% Cu, 7.6 g/t Au from 232.8m and 7m @ 13.3% Zn, 4.4% Pb, 97 g/t Ag, 0.1% Cu, 0.89 g/t Au from 251m) in WTRCDD238.
- Mineralisation associated with this high-grade zone remains open to the south.
- Southern Nights infill drilling results continue to add confidence to the geological model. Assay results recently received include:
  - 23.2m @ 7.72% Zn, 3.33% Pb, 48 g/t Ag, 0.1% Cu, 0.24 g/t Au from 272.8m (including 10.8m @ 13.1% Zn, 5.22% Pb, 91 g/t Ag, 0.12% Cu, 0.33 g/t Au from 273.5m) in WTRCDD235.
  - 41m @ 4.72% Zn, 1.04% Pb, 35 g/t Ag, 0.28% Cu, 0.4 g/t Au from 259m (including 13m @ 8.65% Zn, 1.5% Pb, 28 g/t Ag, 0.4% Cu, 0.38 g/t Au from 278m) in WTRCDD239.
  - 31m @ 4.05% Zn, 1.83% Pb, 99 g/t Ag, 0.06% Cu, 0.11 g/t Au from 316.5m (including 7.5m @ 7.26% Zn, 4.9% Pb, 331 g/t Ag, 0.14% Cu, 0.28 g/t Au from 316.5m) in WTRCDD240.
- Mineral Resource Estimation update now underway.

Peel Mining Limited (ASX:PEX) (“Peel” or the “Company”) is pleased to report the discovery of strong gold mineralisation associated with a new high-grade zone at the southern end of the Southern Nights deposit from the recent resource upgrade drilling program at the 100%-owned Wagga Tank-Southern Nights project, located south of Cobar in western New South Wales.

From August through December 2019, a program of ~11,000m of RC/diamond drilling, primarily designed to develop a higher confidence Mineral Resource Estimate, was completed at Wagga Tank-Southern Nights. Drilling was targeted towards the Wagga Tank, Southern Nights and the Corridor Zone (located between Wagga Tank and Southern Nights). A recent review of results indicates adequate drilling has now been completed to commence Mineral Resource Estimation work with an upgraded resource anticipated for March quarter 2020. This resource will form the basis for further concept study work to progress the project towards development.

Recently received assays add further confidence in a new high-grade zone located ~500m south of the high-grade Southern Nights Central Zone, in an area with only limited drilling, near the boundary of the existing resource model. Drillholes WTRCDD229 and WTRCDD238 returned mineralisation akin to that in the Southern Nights Central Zone. Encouragingly, mineralisation in WTRCDD238 included some of the highest-grade gold mineralisation intersected at Southern Nights to date. Significantly, this mineralisation remains completely open to the south.

**Peel Mining Managing Director Rob Tyson commented:**

*“The high-grade gold associated with the mineralisation in drillhole WTRCDD238 is a very welcome development for the Southern Nights system, all the more exciting as this area remains completely open to the south. More importantly, a recent review of resource upgrade drilling indicates good infill and extensional coverage has been established, supporting an update of the Mineral Resource Estimate. We look forward to providing an updated resource this quarter.”*

### **Wagga Tank-Southern Nights Resource Drilling**

Resource upgrade drilling of the Southern Nights deposit continued until early December with drilling at Wagga Tank completed earlier in the campaign. During the holiday period, a review of drilling results with regards to geological modelling and resource estimation was undertaken indicating that adequate drilling has now been completed to update the Mineral Resource Estimate.

As foreshadowed, recently received assays from drillhole WTRCDD238 confirm a new high-grade zone located ~500m south of the high-grade Southern Nights Central Zone in an area with only limited drilling, near the boundary of the existing resource model. Encouragingly, mineralisation in WTRCDD238 included some of the highest-grade gold mineralisation intersected at Southern Nights to date. Significantly, this mineralisation remains completely open to the south.

Drillhole WTRCDD238 intersected several zones of massive sulphide mineralisation, including an approximately 6m interval of very high-grade gold-zinc-lead-silver mineralisation with additional disseminated and massive zinc-lead-copper-silver-gold mineralisation extending further downhole.

- **WTRCDD238 returned several zones of significant mineralisation including:**
  - 35m @ 6.3% Zn, 2.59% Pb, 105 g/t Ag, 0.24% Cu, 1.87 g/t Au from 232m (including 5.9m @ 17.13% Zn, 8.34% Pb, 376 g/t Ag, 0.26% Cu, 7.6 g/t Au from 232.8m and 7m @ 13.3% Zn, 4.4% Pb, 97 g/t Ag, 0.1% Cu, 0.89 g/t Au from 251m)
  - 6m @ 1.34% Cu, 6 g/t Ag, 0.83 g/t Au from 311m

Other significant results recently received from Southern Nights infill and extensional drilling include:

- **WTRCDD234 returned one zone of significant mineralisation including:**
  - 20m @ 2.42% Zn, 1.02% Pb, 40 g/t Ag, 0.02% Cu, 0.02 g/t Au from 259m (including 1.5m @ 10.55% Zn, 5.21% Pb, 306 g/t Ag, 0.11% Cu, 0.04 g/t Au from 261.2m)
- **WTRCDD235 returned several zones of significant mineralisation including:**
  - 1m @ 6.53% Zn, 2.89% Pb, 128 g/t Ag 0.17% Cu, 0.22g/t Au from 268m
  - 23.2m @ 7.72% Zn, 3.33% Pb, 48 g/t Ag, 0.1% Cu, 0.24 g/t Au from 272.8m (including 10.8m @ 13.1% Zn, 5.22% Pb, 91 g/t Ag, 0.12% Cu, 0.33 g/t Au from 273.5m)
- **WTRCDD236 returned several zones of significant mineralisation including:**
  - 23m @ 3.22% Zn, 1.48% Pb, 70 g/t Ag, 0.03% Cu, 0.07 g/t Au from 230m (including 2.1m @ 8.9% Zn, 4.1% Pb, 337 g/t Ag, 0.06% Cu, 0.37 g/t Au from 232.6m)
- **WTRCDD237 returned several zones of significant mineralisation including:**
  - 11m @ 2.44% Zn, 1.04% Pb, 29 g/t Ag, 0.03% Cu, 0.16 g/t Au from 300m
- **WTRCDD239 returned one zone of significant mineralisation including:**
  - 41m @ 4.72% Zn, 1.04% Pb, 35 g/t Ag, 0.28% Cu, 0.4 g/t Au from 259m (including 13m @ 8.65% Zn, 1.5% Pb, 28 g/t Ag, 0.4% Cu, 0.38 g/t Au from 278m)
- **WTRCDD240 returned several zones of significant mineralisation including:**
  - 31m @ 4.05% Zn, 1.83% Pb, 99 g/t Ag, 0.06% Cu, 0.11 g/t Au from 316.5m (including 7.5m @ 7.26% Zn, 4.9% Pb, 331 g/t Ag, 0.14% Cu, 0.28 g/t Au from 316.5m)



The true width of mineralisation encountered in drillholes at Southern Nights which are predominantly drilled to 090° azimuth is estimated at about 70-80% of the downhole widths. Core loss has been assigned a grade of 0 for all calculations.

**For further information, please contact:**

**Rob Tyson – Peel Mining, Managing Director +61 (0)420 234 020**

**David Tasker – Chapter One Advisors +61 (0)433 112 936**

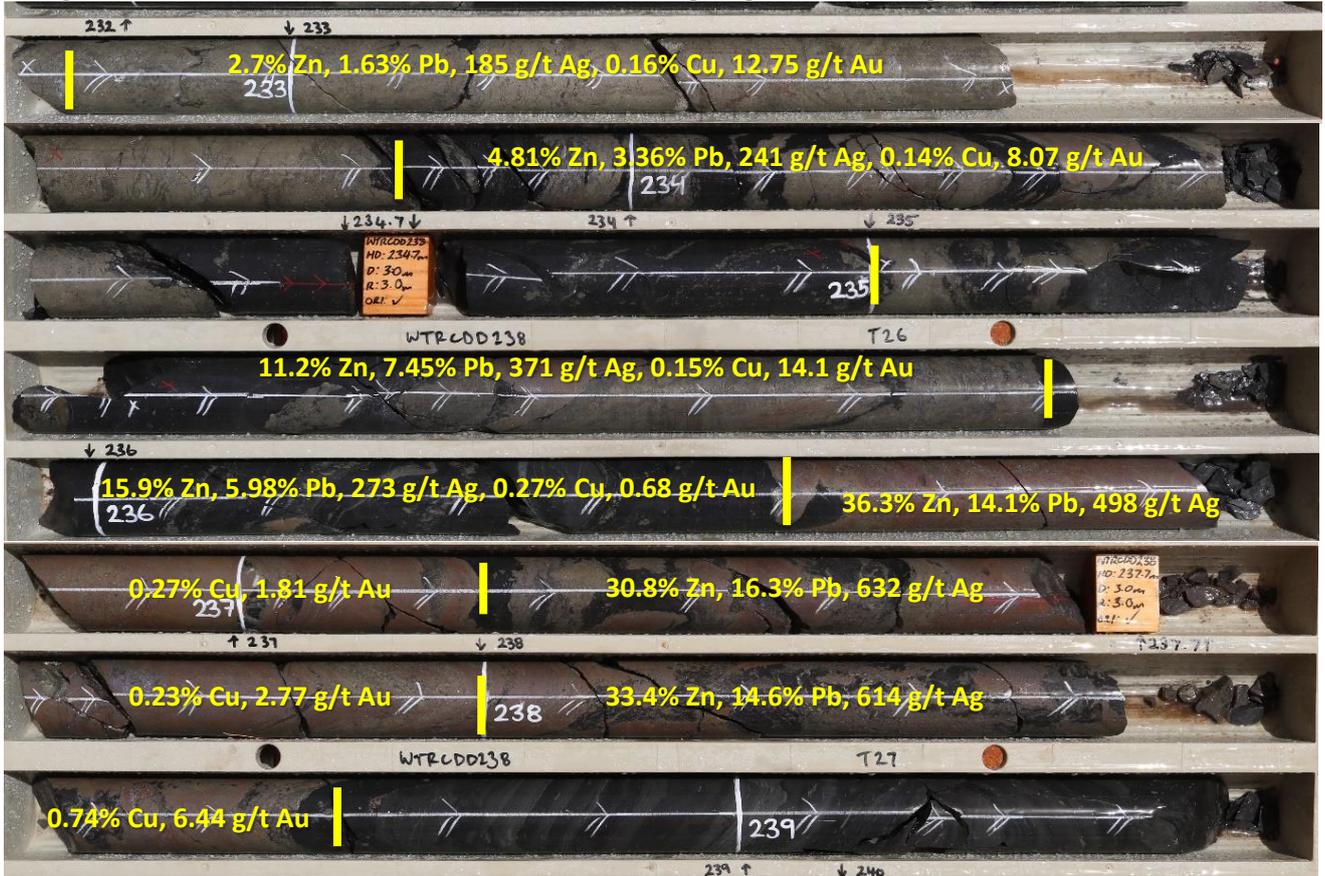
### ***Previous Results***

Previous results referred to herein have been extracted from previously released ASX announcements. Previous announcements and reports are available to view on [www.peelmining.com.au](http://www.peelmining.com.au) and [www.asx.com.au](http://www.asx.com.au). Additional information regarding Wagga Tank is available in the Company's quarterly reports from September 2016 through to September 2019. The company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements. The company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement.

### ***Competent Persons Statements***

*The information in this report that relates to Exploration Results is based on information compiled by Mr Rob Tyson who is a fulltime employee of the company. Mr Tyson is a member of the Australasian Institute of Mining and Metallurgy. Mr Tyson has sufficient experience of relevance to the styles of mineralisation and the types of deposits under consideration, and to the activities undertaken, to qualify as Competent Persons as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Tyson consents to the inclusion in this report of the matters based on information in the form and context in which it appears. Exploration results are based on standard industry practices, including sampling, assay methods, and appropriate quality assurance quality control (QAQC) measures.*

Figure 1 - WTRCDD238: 5.9m @ 17.13% Zn, 8.34% Pb, 376 g/t Ag, 0.26% Cu, 7.6 g/t Au from 232.8m



**Table 1 – Wagga Tank-Southern Nights Resource Drilling Significant Assays**

Hole ID	From (m)	To (m)	Width (m)	Zn %	Pb %	Cu %	Ag (g/t)	Au (g/t)
WTRCDD135	309.00	345.00	36.00	0.69	0.50	0.00	28	0.00
WTRCDD141	510.07	510.56	0.49	19.00	9.60	0.11	173	0.32
and	522.00	527.00	5.00	1.58	1.14	0.02	60	0.15
and	530.24	532.30	2.06	0.36	0.55	4.66	129	0.15
and	546.72	605.00	58.28	5.41	2.26	0.12	24	0.31
including	553.88	567.00	13.12	11.10	5.74	0.17	52	0.51
and including	571.00	594.30	23.30	5.63	1.58	0.11	17	0.39
and including	604.00	605.00	1.00	7.02	3.97	0.24	39	0.47
and	608.00	611.00	3.00	0.81	0.41	0.07	6	0.09
and	614.00	616.00	2.00	0.96	0.34	0.03	6	0.02
and	619.00	628.00	9.00	0.75	0.32	0.03	6	0.03
and	642.00	696.00	54.00	1.24	0.70	0.03	8	0.07
including	643.00	645.00	2.00	5.80	2.87	0.06	18	0.12
and including	655.00	658.00	3.00	4.62	2.96	0.07	31	0.15
and including	666.00	666.65	0.65	6.28	4.71	0.05	44	0.09
WTRCDD141W1	501.00	510.00	9.00	7.63	4.70	0.16	153	0.46
including	505.10	507.90	2.80	21.66	12.72	0.42	441	1.23
and	573.00	620.00	47.00	6.31	2.79	0.05	24	0.28
including	580.70	619.00	38.30	7.54	3.32	0.06	28	0.33
and	626.00	679.00	53.00	3.43	1.91	0.1	24	0.46
including	627.00	640.00	13.00	5.81	3.57	0.18	28	1.33
and including	653.35	661.00	7.65	5.12	2.23	0.09	36	0.12
and	684.00	693.00	9.00	1.15	0.81	0.05	15	0.05
WTRCDD141W2	531.00	555.00	24.00	0.10	0.06	1.00	27	0.22
including	540.00	549.00	9.00	0.04	0.02	1.64	43	0.25
and	575.49	587.00	11.51	0.78	0.14	0.00	5	0.09
WTRCDD186	390.11	400.77	10.66	4.27	1.32	0.10	242	0.24
including	390.11	395.33	5.22	7.39	2.25	0.10	454	0.44
and	405.00	425.00	20.00	0.47	0.20	0.37	38	0.62
WTRCDD213	80.00	100.00	20.00	0.06	0.41	0.22	4	1.52
including	80.00	84.00	4.00	0.01	0.12	0.13	6	3.83
and including	88.00	92.00	4.00	0.03	0.32	0.20	3	2.05
WTRCDD214	124.40	143.00	18.60	0.01	0.02	1.10	2	0.32
including	134.00	143.00	9.00	0.02	0.02	1.70	3	0.39
and	202.00	206.800	4.80	1.26	0.29	0.01	11	0.04
and	216.40	217.70	1.30	5.30	0.69	0.21	23	0.04
and	251.00	254.00	3.00	1.19	0.08	0.16	4	0.09
and	275.00	277.00	2.00	0.67	0.23	0.85	20	4.44
and	285.50	294.70	9.20	1.70	0.67	0.17	14	0.25
WTRCDD215	129.00	148.00	19.00	0.00	0.03	1.10	2	0.29
including	135.00	147.00	12.00	0.01	0.03	1.30	3	0.35
and	160.80	172.00	11.20	1.09	0.31	0.01	10	0.02
and	182.00	186.00	4.00	5.41	1.97	0.16	102	0.10
WTRCDD216	139.00	157.00	18.00	0.00	0.13	1.35	18	0.39
including	140.00	149.00	9.00	0.01	0.13	1.58	26	0.75

Hole ID	From (m)	To (m)	Width (m)	Zn %	Pb %	Cu %	Ag (g/t)	Au (g/t)
and	197.90	209.00	11.10	0.13	0.12	1.32	6	0.35
and	214.00	235.10	21.10	1.45	0.58	0.31	15	0.31
and	240.00	244.00	4.00	8.08	4.47	0.24	110	0.85
WTRCDD217	168.00	187.00	19.00	0.00	0.06	0.82	19	0.64
including	180.00	187.00	7.00	0.00	0.11	1.31	35	1.43
and	214.00	222.00	8.00	0.83	0.07	0.60	10	0.18
and	225.00	227.00	2.00	24.19	5.01	0.37	79	0.12
and	254.30	261.00	6.70	1.19	0.80	0.10	11	0.16
WTRCDD218	147.00	163.00	16.00	0.00	0.01	1.07	3	0.07
and	165.00	167.00	2.00	0.00	0.02	0.54	1	0.04
and	175.00	176.00	1.00	0.00	0.03	0.69	5	0.11
and	179.00	180.00	1.00	0.00	0.06	0.74	4	0.11
and	182.00	182.40	0.40	0.07	0.12	0.61	14	0.05
and	197.00	198.40	1.40	0.10	1.37	1.06	11	0.42
and	201.70	235.00	33.30	0.38	0.14	1.48	8	1.41
including	202.40	211.00	8.60	0.26	0.37	2.72	15	3.73
and	240.65	254.50	13.85	6.59	5.08	0.33	57	0.33
including	241.70	247.00	5.30	5.27	4.43	0.53	28	0.37
and including	251.80	254.50	2.70	18.99	14.56	0.23	217	0.62
WTRCDD220	236.00	281.30	45.30	3.45	1.45	0.88	77	1.28
including	249.50	266.90	17.40	7.41	3.20	1.54	184	2.85
WTRCDD221	366.00	374.50	8.50	3.61	1.65	0.03	23	0.11
and	379.00	388.41	9.41	2.99	0.19	0.19	8	0.36
and	407.50	411.82	4.32	2.42	0.62	0.01	10	0.09
WTRCDD222	352.00	392.40	40.40	7.24	3.34	0.89	95	0.87
including	353.10	366.85	13.75	14.27	8.13	1.04	208	0.42
and including	375.60	387.20	11.60	7.50	1.58	0.94	43	1.58
and	394.00	398.00	4.00	0.06	0.02	1.12	9	0.19
and	401.00	406.00	5.00	0.06	0.05	1.53	4	0.34
and	410.80	414.00	3.20	0.29	0.07	0.15	9	0.77
and	443.00	445.00	2.00	0.07	0.11	0.20	42	0.35
and	463.00	467.20	4.20	0.50	0.07	0.67	14	0.14
WTRCDD223	215.00	218.70	3.70	2.91	1.13	0.50	22	0.47
and	250.70	286.00	35.30	2.86	1.01	0.49	12	1.12
including	255.34	256.93	1.59	4.53	1.42	1.92	28	8.33
and including	268.00	281.47	13.47	4.40	1.65	0.63	16	1.36
WTRCDD224	398.00	409.30	11.30	3.12	1.04	0.15	22	0.05
and	413.00	414.00	1.00	1.28	0.40	0.23	16	0.11
and	417.00	418.00	1.00	1.4	0.01	0.09	4	0.09
and	422.00	423.00	1.00	1.24	0.22	0.00	7	0.05
and	424.40	428.50	4.10	0.40	0.17	1.02	62	0.69
and	432.00	443.00	11.00	0.05	0.05	0.89	16	0.23
WTRCDD225	128.00	129.00	1.00	0.00	0.06	0.02	2	0.74
and	137.00	138.00	1.00	0.00	0.01	0.96	2	0.30
and	140.00	141.00	1.00	0.00	0.01	0.74	1	0.11
and	144.00	151.00	7.00	0.00	0.05	0.66	1	0.09

Hole ID	From (m)	To (m)	Width (m)	Zn %	Pb %	Cu %	Ag (g/t)	Au (g/t)
and	155.00	159.00	4.00	0.00	0.07	0.72	1	0.04
and	181.00	182.00	1.00	0.00	0.04	0.14	11	0.61
and	184.00	187.20	3.20	0.00	0.04	0.51	47	1.38
and	194.00	195.00	1.00	0.00	0.44	0.58	5	0.13
and	198.80	201.80	3.00	0.00	0.75	0.65	6	0.18
and	216.00	218.80	2.80	0.01	0.38	0.53	16	0.19
and	222.00	241.00	19.00	0.33	0.11	0.74	17	0.47
including	228.90	234.00	5.10	0.83	0.18	1.48	31	0.66
and	247.00	257.30	10.30	3.81	1.67	1.94	34	0.71
including	250.50	256.70	6.20	10.87	4.99	2.25	47	0.86
WTRCDD226	161.00	162.00	1.00	0.00	0.09	0.00	2	1.06
and	164.00	165.00	1.00	0.00	0.04	0.04	25	0.51
and	182.00	186.00	4.00	0.00	0.10	0.97	12	0.40
and	193.00	200.20	7.20	0.77	1.40	0.43	26	0.80
and	218.00	219.00	1.00	0.44	0.05	1.23	17	0.52
and	264.00	267.00	3.00	1.37	0.82	0.16	14	0.31
and	270.00	271.00	1.00	1.25	0.02	0.03	2	0.12
and	279.00	294.10	15.10	3.43	2.07	0.03	33	0.31
including	291.25	294.10	2.85	7.92	6.39	0.07	110	0.74
WTRCDD227	221.00	254.80	33.80	8.99	2.53	0.46	65	0.67
including	222.25	238.00	15.75	17.04	4.77	0.69	106	1.00
and	283.00	286.00	3.00	0.08	0.05	0.42	24	0.88
and	290.00	292.00	2.00	2.43	0.85	0.00	3	0.06
and	293.00	294.00	1.00	1.26	0.04	0.11	3	0.08
and	296.10	301.00	4.90	1.87	0.36	0.00	3	0.06
and	304.00	305.00	1.00	1.54	0.11	0.00	1	0.07
and	307.00	308.00	1.00	0.15	0.01	1.19	12	0.20
WTRCDD228	165.00	167.00	2.00	1.77	0.73	0.06	9	0.03
and	176.10	186.00	9.90	3.14	0.10	0.02	2	0.02
WTRCDD229	233.00	283.00	50.00	6.53	2.61	0.10	68	0.44
including	233.00	277.00	44.00	7.39	2.95	0.10	76	0.43
and including	233.88	239.83	5.95	35.53	16.92	0.37	447	0.97
and	290.70	297.60	6.90	0.04	0.01	0.34	3	0.60
and	300.80	308.57	7.77	0.09	0.05	1.24	4	0.92
including	304.35	307.50	3.15	0.15	0.08	2.76	8	1.31
and	315.00	316.00	1.00	0.01	0.00	0.54	2	0.31
and	318.50	320.80	2.30	0.02	0.01	0.59	3	0.55
WTRCDD230	320.00	321.00	1.00	2.80	1.68	0.05	29	0.14
and	328.00	334.00	6.00	4.62	2.00	0.03	69	0.09
and	335.00	336.00	1.00	1.06	0.40	0.00	17	0.07
and	339.00	339.40	0.40	1.02	0.47	0.00	16	0.05
WTRCDD232	300.00	302.00	2.00	2.46	1.40	0.01	6	0.04
and	305.00	308.00	3.00	3.66	0.65	0.01	10	0.05
and	312.20	314.00	1.80	4.24	0.74	0.04	15	0.09
WTRCDD233	429.23	434.00	4.77	1.10	0.44	0.01	86	0.13
and	471.00	475.00	4.00	1.01	0.28	0.06	45	0.04

Hole ID	From (m)	To (m)	Width (m)	Zn %	Pb %	Cu %	Ag (g/t)	Au (g/t)
and	484.00	486.00	2.00	0.04	0.08	1.19	11	0.19
and	510.12	513.00	2.88	0.03	0.01	0.78	10	0.18
WTRCDD234	259.00	279.00	20.00	2.42	1.02	0.02	40	0.02
including	261.20	262.70	1.50	10.55	5.21	0.11	306	0.04
WTRCDD235	268.00	269.00	1.00	6.53	2.89	0.18	128	0.22
and	272.80	296.00	23.20	7.72	3.34	0.10	48	0.24
including	273.50	284.30	10.80	13.10	5.22	0.12	91	0.33
and	297.10	299.80	2.70	0.07	0.06	0.05	24	0.76
and	306.50	310.00	3.50	0.02	0.04	0.03	14	0.85
WTRCDD236	230.00	253.00	23.00	3.22	1.48	0.02	70	0.07
including	232.60	234.70	2.10	9.00	4.10	0.06	337	0.37
WTRCDD237	300.00	311.00	11.00	2.44	1.05	0.04	29	0.16
WTRCDD238	232.00	267.00	35.00	6.30	2.59	0.24	105	1.87
including	232.80	238.70	5.90	17.13	8.34	0.26	376	7.60
and including	251.00	258.00	7.00	13.32	4.40	0.01	97	0.89
and	311.00	317.00	6.00	0.09	0.10	1.34	6	0.83
WTRCDD239	259.00	300.00	41.00	4.72	1.04	0.28	35	0.40
including	278.00	291.00	13.00	8.65	1.50	0.40	28	0.38
and	313.00	316.30	3.30	0.11	0.03	0.74	6	0.75
WTRCDD240	315.00	346.00	31.00	4.05	1.83	0.06	99	0.11
including	316.50	319.70	7.50	7.26	4.90	0.14	331	0.28
and	361.00	367.00	6.00	1.85	0.72	0.08	19	0.05
and	377.00	379.00	2.00	1.88	0.80	0.01	19	0.05
and	381.00	390.00	9.00	2.54	0.94	0.01	7	0.02
and	393.00	398.20	5.20	1.07	0.12	0.20	24	0.43
and	407.00	412.00	5.00	2.13	0.19	0.02	5	0.08
WTRCDD241	291.80	295.00	3.20	0.88	0.58	0.03	47	0.02
and	308.00	312.00	4.00	0.03	0.01	0.58	3	0.49

*Yellow highlight denotes new assay results.*

*\* Only partial results received. Additional assay results pending for hole.*

**Table 2 – Southern Nights Drill Collars**

Hole ID	Northing	Easting	Dip	Azi	Max Depth (m)
WTRCDD135	6387060	378846	-62	267	425.4
WTRCDD141	6386977	378814	-63	269	822.8
WTRC141W1	6386977	378814	-63	269	754.0
WTRCDD141W2	6386977	378814	-63	269	747.0
WTRCDD186	6386454	378261	-60	85	516.5
WTRCDD213	6387315	378801	-46	315	253.6
WTRCDD214	6387295	378823	-59	316	323.0
WTRCDD215	6387297	378820	-50	315	189.3
WTRCDD216	6387342	378829	-45	312	260.7
WTRCDD217	6387326	378846	-51	312	277.7
WTRCDD218	6387364	378862	-46	314	276.4
WTRCDD220	6387362	378872	-53	312	314.8
WTRCDD221	6386414	378319	-60	85	432.5
WTRCDD222	6386366	378314	-61	84	467.2
WTRCDD223	6387353	378895	-51	312	311.2
WTRCDD224	6386330	378285	-60	87	493.4
WTRCDD225	6387395	378886	-47	312	288.2
WTRCDD226	6387378	378903	-51	311	313.2
WTRCDD227	6386241	378400	-60	85	315.0
WTRCDD228	6387267	378826	-60	302	215.6
WTRCDD229	6385762	378368	-60	85	326.0
WTRCDD230	6386266	378360	-60	83	348.5
WTRCDD232	6385760	378355	-70	84	378.7
WTRCDD233	6386500	378246	-60	85	543.8
WTRCDD234	6385819	378359	-60	93	351.5
WTRCDD235	6386202	378382	-60	85	333.8
WTRCDD236	6385760	378400	-60	85	291.8
WTRCDD237	6386200	378355	-60	84	321.5
WTRCDD238	6385728	378355	-60	84	327.2
WTRCDD239	6386305	378360	-56	86	316.3
WTRCDD240	6386328	378348	-60	85	425.0
WTRCDD241	6385728	378311	-60	85	426.5

Figure 2 - Wagga Tank-Southern Nights Drill Plan

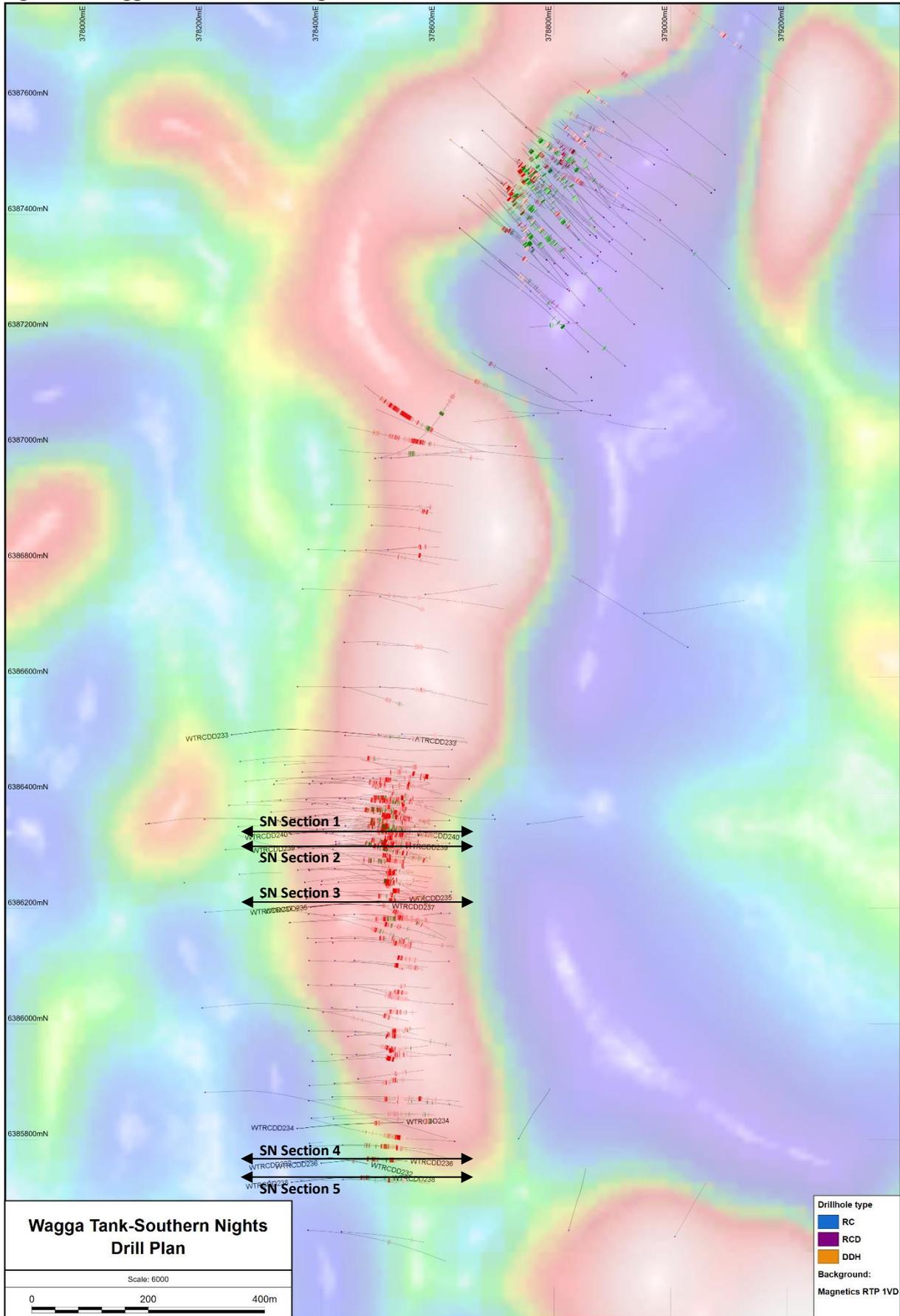


Figure 3 – Wagga Tank-Southern Nights Long Section Resource Drilling Highlights (Pink = Latest Assays)

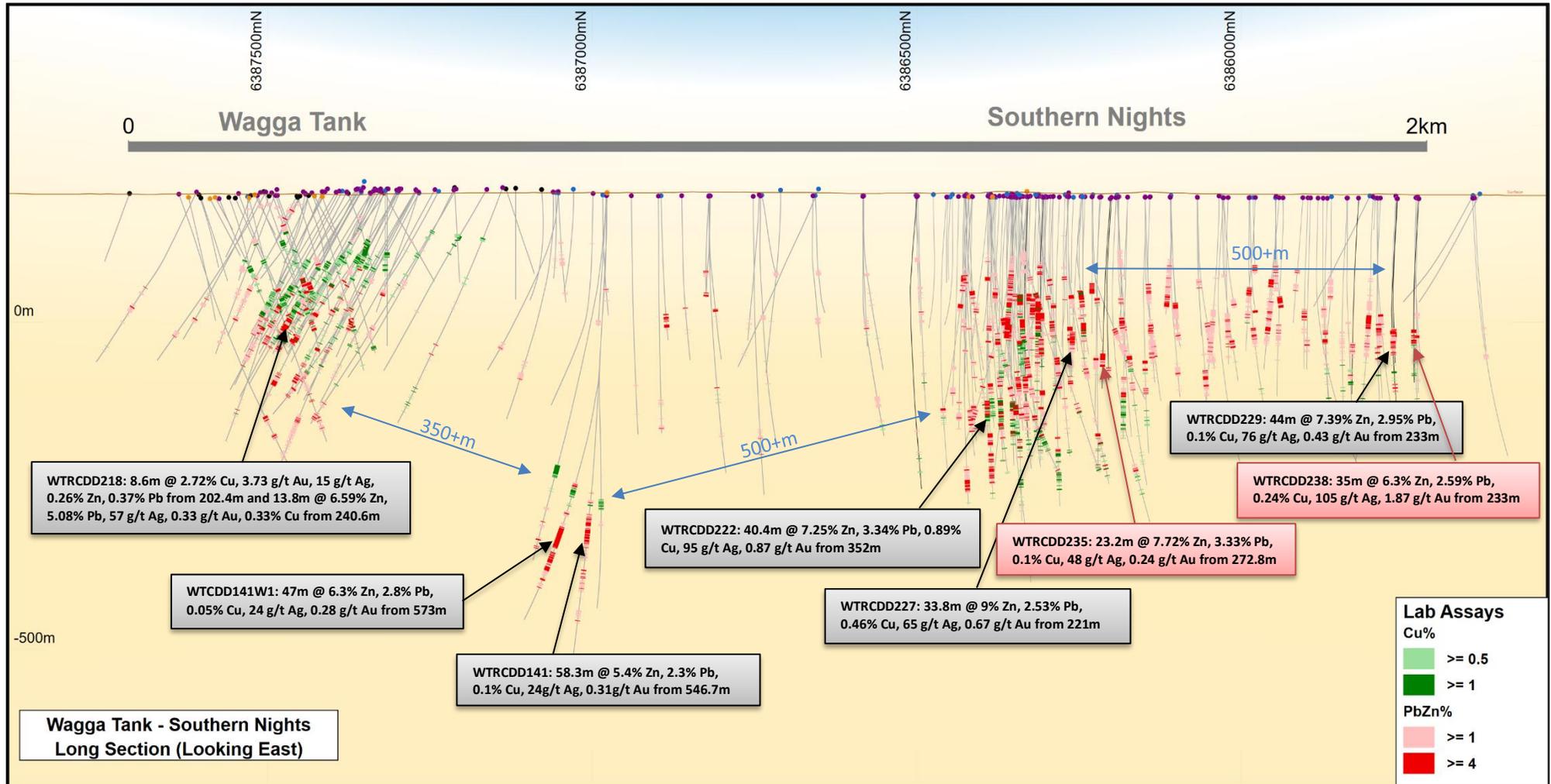


Figure 4 – SN Section 1 – 6386330N

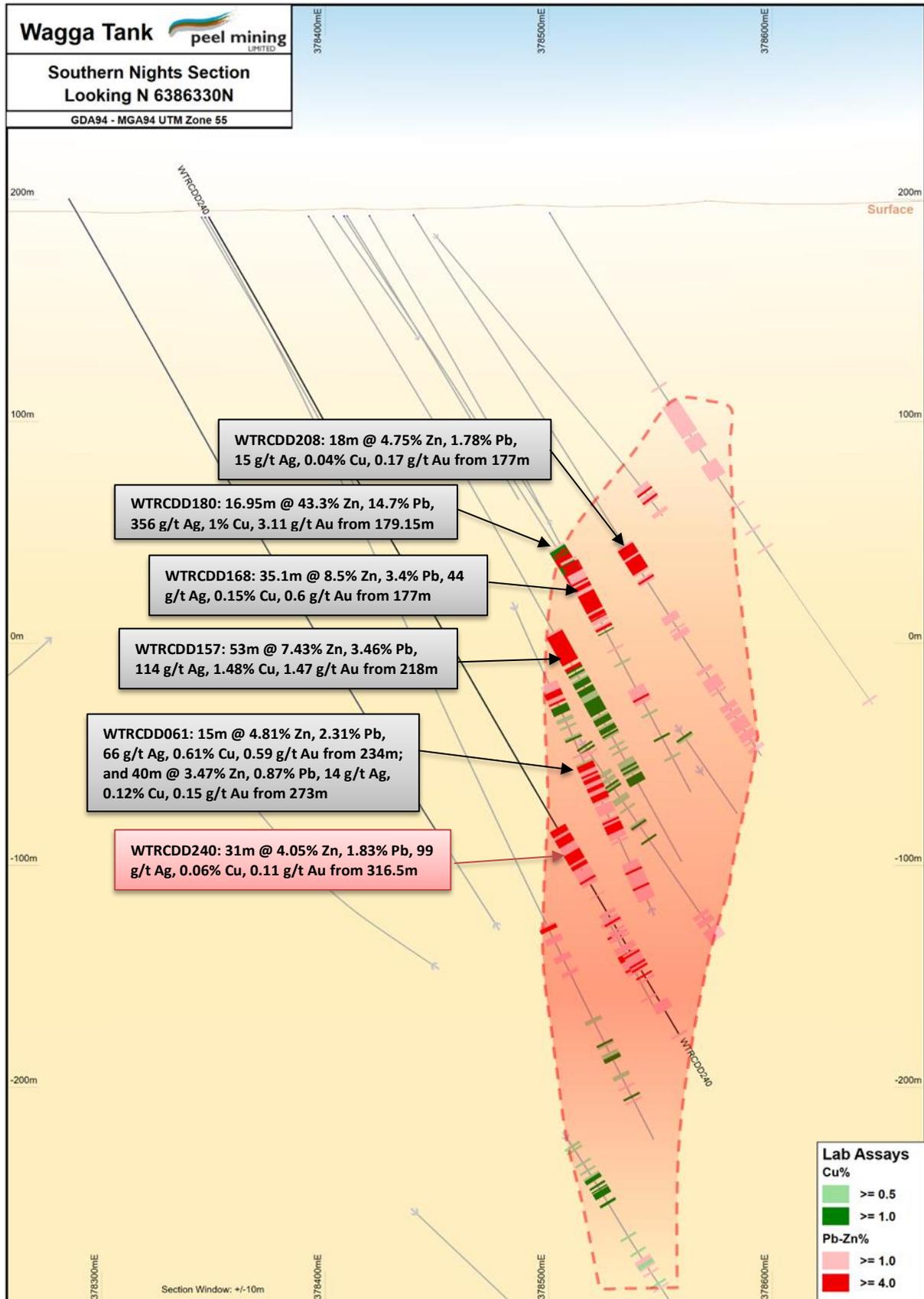


Figure 5 – SN Section 2 – 6386300N

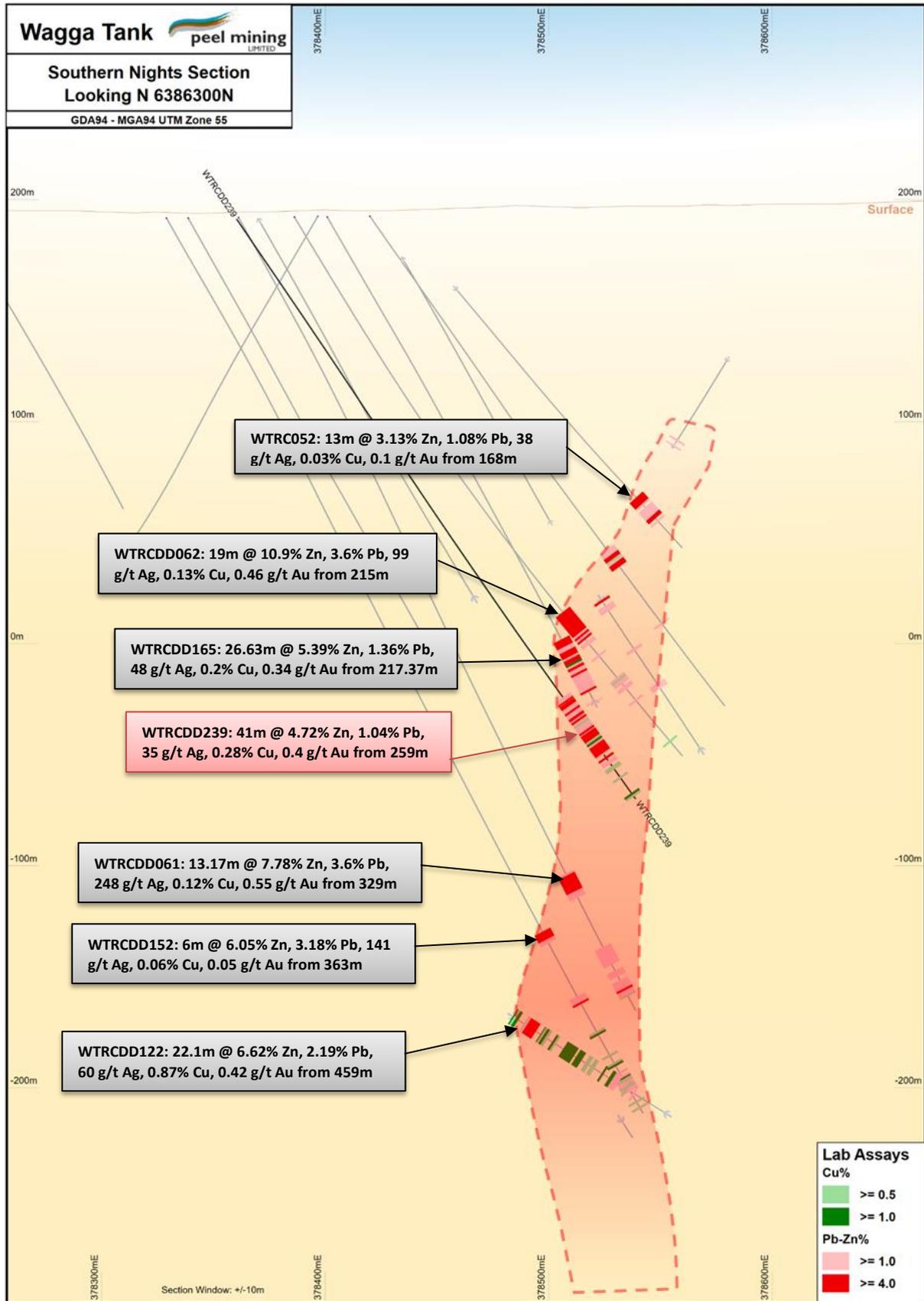


Figure 6 – SN Section 3 – 6386210N

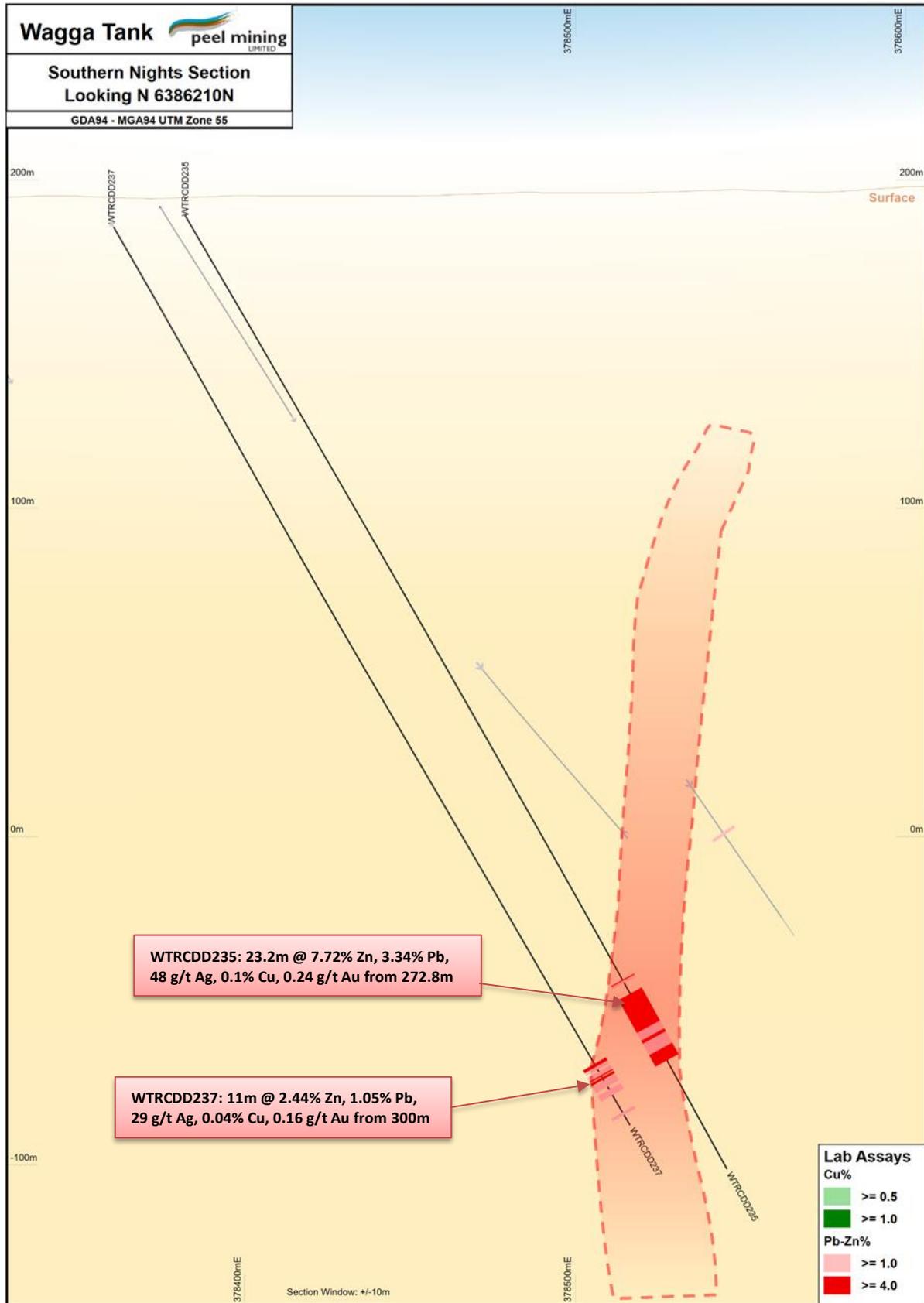


Figure 7 – SN Section 4 – 6385760N

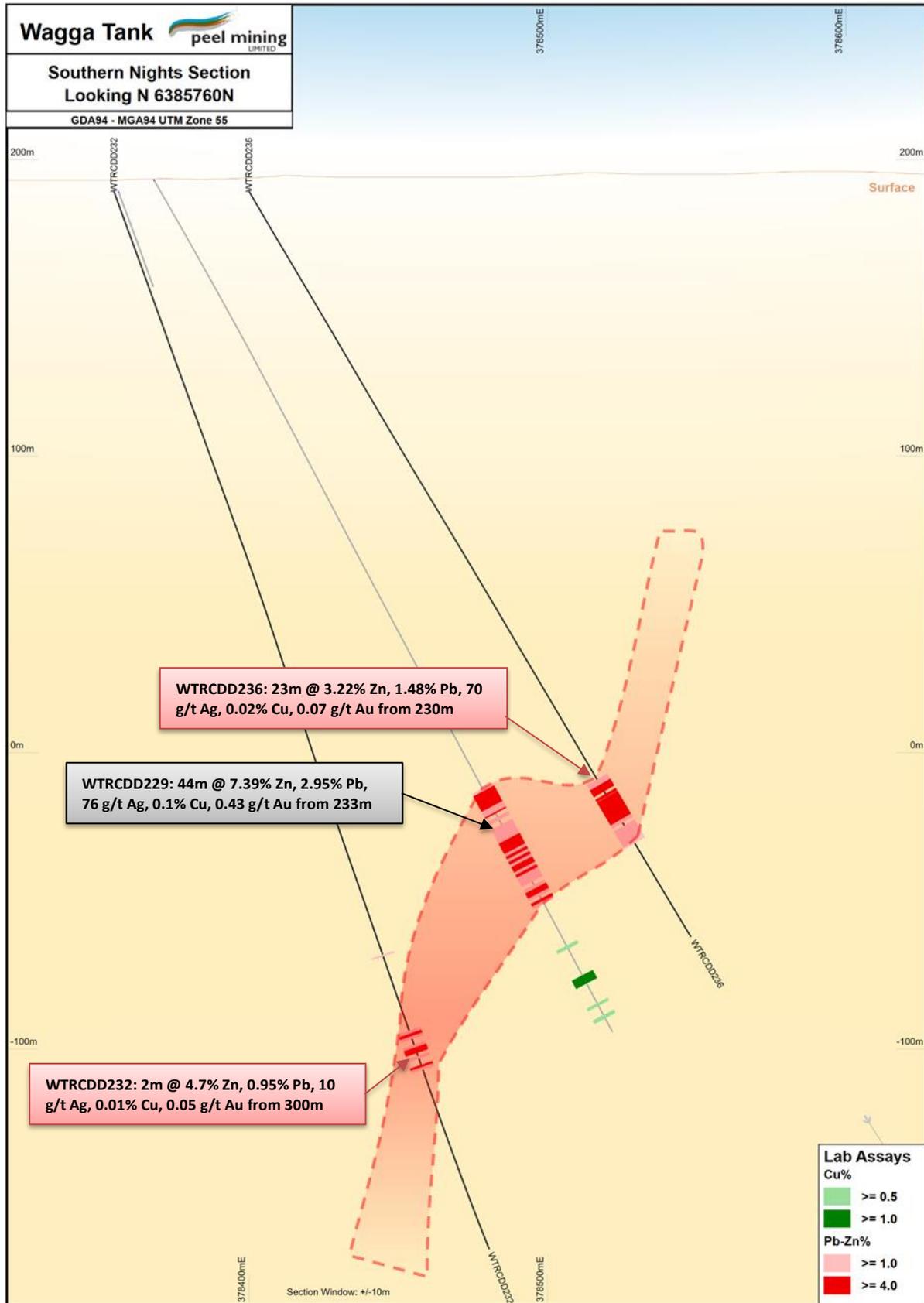


Figure 8 – SN Section 5 – 6385730N

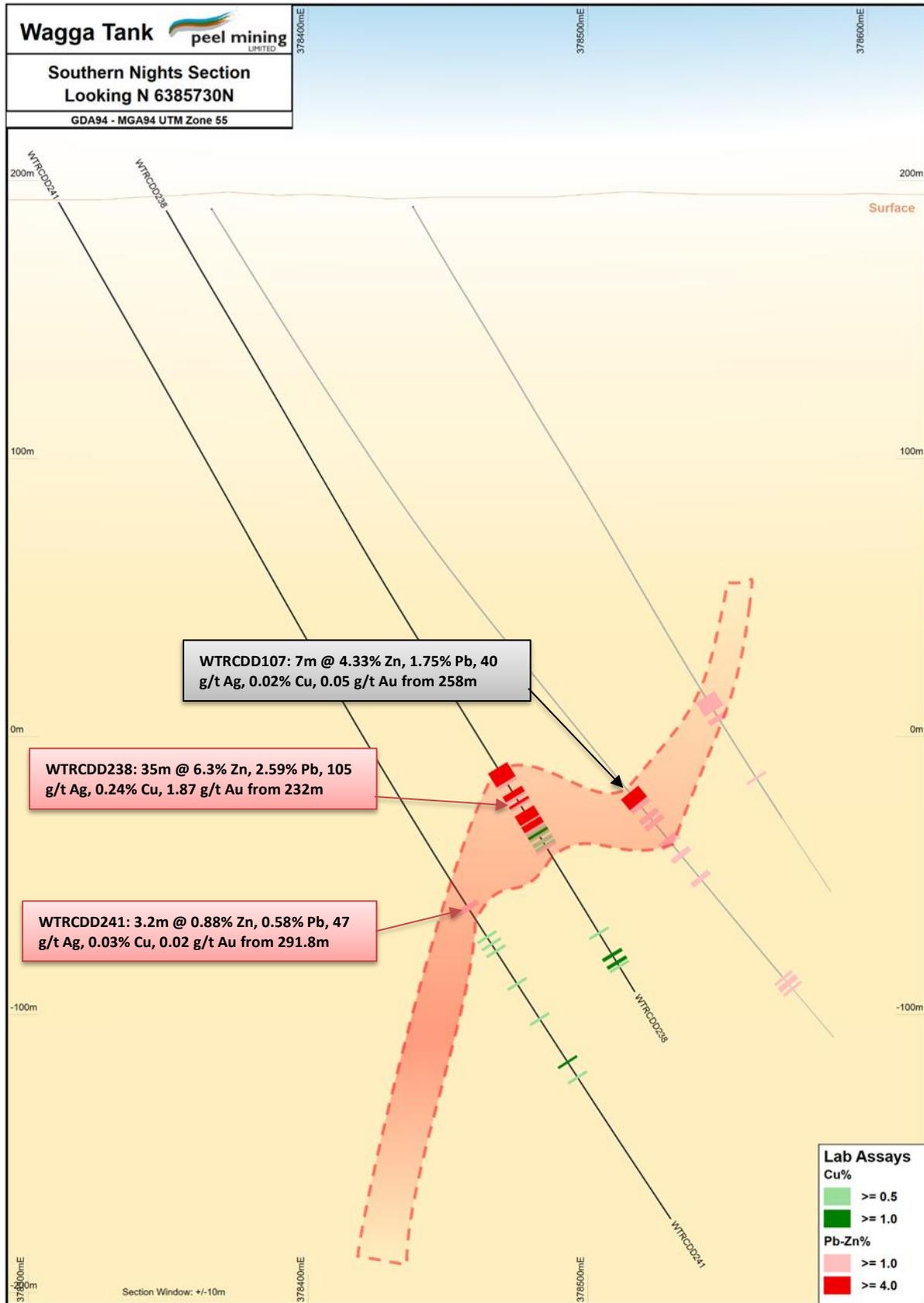
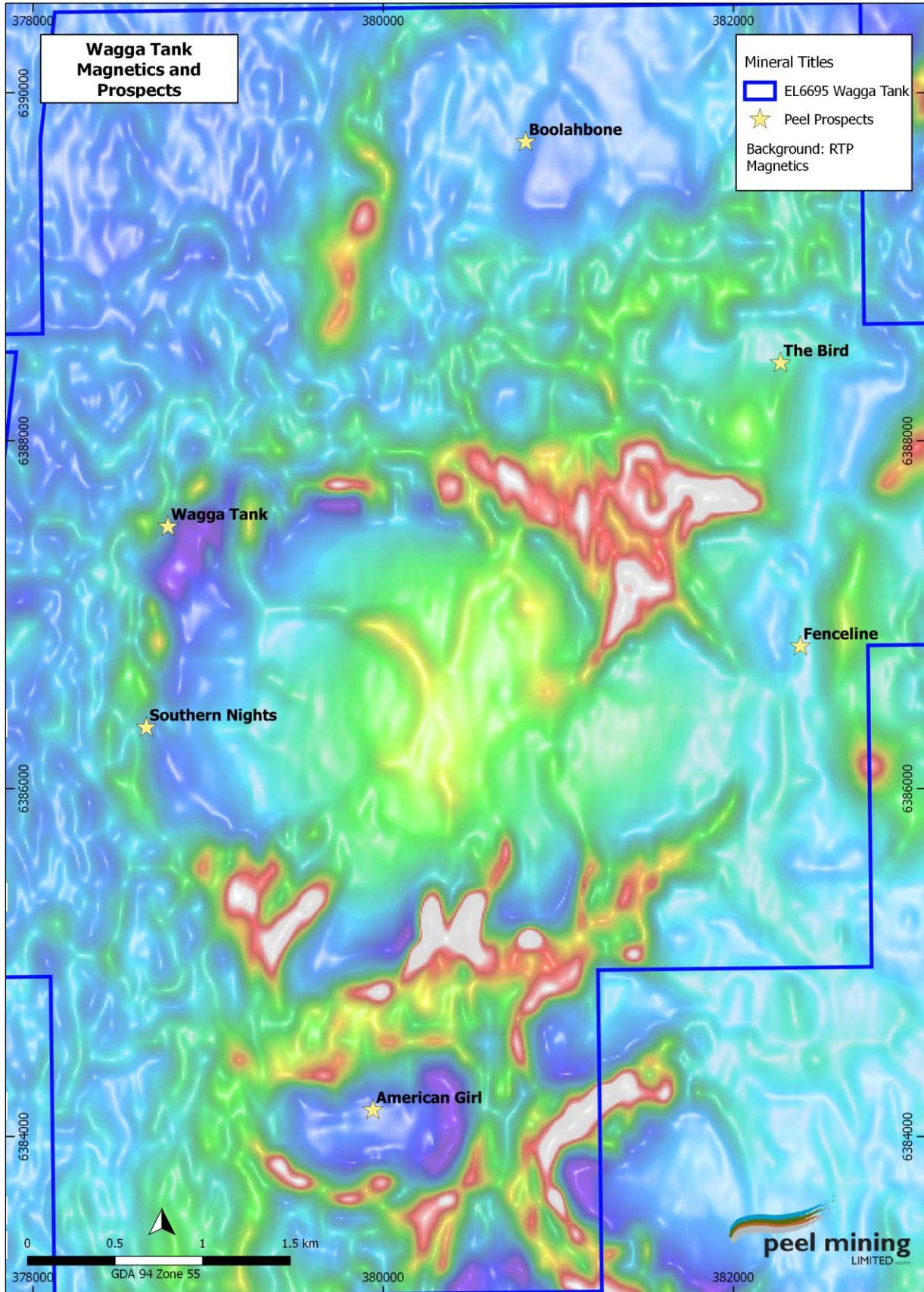


Figure 9 – Wagga Tank-Southern Nights on RTP Magnetics



JORC Code, 2012 Edition Table 1 Appendices

Table 1 - Section 1 - Sampling Techniques and Data for Wagga Tank Project

Criteria	JORC Code explanation	Commentary
Sampling techniques	<ul style="list-style-type: none"> <li>• Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.</li> <li>• Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</li> <li>• Aspects of the determination of mineralisation that are Material to the Public Report.</li> <li>• In cases where 'industry standard' work has been done this would be relatively simple (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases, more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.</li> </ul>	<p>The following report details the checks, validation and methodology used during the drilling programs being reported.</p> <ul style="list-style-type: none"> <li>• At Southern Nights, drill holes have been drilled predominantly towards grid east with dips of approximately 60 degrees to optimally intersect the moderate to steeply west dipping mineralised zones. For Wagga Tank where mineralised zones are near vertical or slightly east dipping, drilling is to the west on an azimuth of ~315 and a dip of 60 degrees.</li> <li>• Field procedures include routine multi-element measurement of the diamond core and RC drill chips using an Olympus Delta Innov-X portable XRF tool. Portable XRF tools are routinely serviced and calibrated. Daily checks are performed against blanks/standards. PXRF readings are not included in the dataset for the MRE but are used to aid the selection of samples for primary assaying in conjunction with geological logging and neighbouring results.</li> <li>• RC and RAB drill holes are generally sampled at 1m intervals and split using a cone splitter or multi-tier riffle splitter attached to the cyclone to generate a split of 2-4kg to provide a representative sample of the interval. Anomalous base mineral intervals are identified using the portable XRF tool and sampled using the 1m splits. If no base mineral intervals are identified, 6m composites are taken using sampling by spear methods primarily to identify the presence of gold. Anomalous composites are then assayed using the 1m splits.</li> <li>• During exploration drilling, every effort is made to ensure all RC samples are drilled dry. Where this hasn't been possible samples are logged as wet. For later stage resource definition drilling, diamond drilling has been used through the mineralised zones.</li> <li>• Diamond drill core is generally cut and sampled at 1m intervals. The diamond drill core has been cut longitudinally in half. Sampling was undertaken at predominantly 1m intervals with a range of 0.5m length to 1.5m length to accommodate changes in geology and mineralisation.</li> <li>• Metallurgical samples have been taken from half core of one the HQ core samples which intersected the main mineralisation zone at Southern Nights. Further samples are needed to provide sufficient variability of the mineralisation to be considered representative.</li> </ul>
Drilling techniques	<ul style="list-style-type: none"> <li>• Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method,</li> </ul>	<ul style="list-style-type: none"> <li>• Drilling to date has been a combination of diamond, reverse circulation and rotary air blast.</li> <li>• Reverse circulation drilling utilised a 5 1/2-inch diameter hammer. A blade bit was predominantly used for RAB drilling. RC precollars average 150m in length. With diamond</li> </ul>

Criteria	JORC Code explanation	Commentary
	etc).	<p>tails generally being between 200 and 400m in length.</p> <ul style="list-style-type: none"> <li>HQ with minor PQ and NQ diameter coring has been used for diamond drilling. For the majority of the drilling triple tube has been used to maximise recovery.</li> <li>Core has been orientated predominantly using a REFLEX ACT™ system where data is stored on the controller and cannot be manipulated. Core samples are matched with orientation data using a spirit level jig. Diamond core is reconstructed into continuous runs on an angle iron cradle for orientation. Orientation quality is noted between orientation marks based on a tolerance. Systematic failures are immediately raised with the drilling contractor.</li> </ul>
Drill sample recovery	<ul style="list-style-type: none"> <li>Method of recording and assessing core and chip sample recoveries and results assessed.</li> <li>Measures taken to maximise sample recovery and ensure representative nature of the samples.</li> <li>Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.</li> </ul>	<ul style="list-style-type: none"> <li>RC and RAB samples are not weighed on a regular basis due to the exploration or precollar nature of drilling. Minor campaigns of weighing RC bags have been undertaken however no detailed assessment on RC recovery has been conducted.</li> <li>Diamond drilling is typically undertaken using HQ triple tube methods to maximise recovery. In areas where ground conditions are particularly poor, PQ is used to improve core recovery.</li> <li>Core recoveries are recorded by the drillers in the field at the time of drilling by measuring the actual distance drilled for a drill run against the actual core recovered. This measurement is checked by a geologist or technician.</li> <li>Diamond core is reconstructed into continuous runs on an angle iron cradle for orientation marking and depths are checked against the depths recorded on core blocks. Rod counts are routinely undertaken by drillers.</li> <li>When poor sample recovery is encountered during drilling, the geologist and driller have endeavoured to rectify the problem to ensure maximum sample recovery.</li> <li>For Wagga Tank, analysis of the recovery dataset to date, for which assays exist, indicates 92% are reported as having greater than or equal to 95% recovery. This drops from 92% to 73% for grade intervals greater than 4% Zinc which generally defines the main mineralisation zone.</li> <li>For Southern Nights, of the total recovery dataset for which assays exist, 96% are reported as having greater than or equal to 95% recovery. This drops from 96% to 89% for grade intervals greater than 4% Zinc which generally defines the main mineralisation zone. These recoveries are considered acceptable.</li> <li>For samples with greater than or equal to 1% Zn, 94% are reported as having 90% or better recovery.</li> <li>Analysis for diamond core indicates that there is no observed relationship between zinc grade and recovery and no correction or weighting factors were required.</li> <li>Recoveries through the mineralisation are considered during classification of resources</li> </ul>
Logging	<ul style="list-style-type: none"> <li>Whether core and chip samples have been geologically and</li> </ul>	<ul style="list-style-type: none"> <li>All drill core and drill chip samples are qualitatively geologically and quantitatively</li> </ul>

Criteria	JORC Code explanation	Commentary
	<p><i>geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.</i></p> <ul style="list-style-type: none"> <li><i>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</i></li> <li><i>The total length and percentage of the relevant intersections logged.</i></li> </ul>	<p>geotechnically, geochemically and structurally logged from surface to the bottom of each individual hole to a level of detail to support Mineral Resource estimation, mining studies and metallurgical studies.</p> <ul style="list-style-type: none"> <li>All logging of diamond core, RC and RAB samples records lithology, alteration, mineralisation, structure (DDH only), weathering, colour and other features of the interval important for defining the location of the drillhole within the mineralised system.</li> <li>All drill core and chip trays are photographed as both wet and dry.</li> <li>Where core samples are orientated, drill core is logged for geotechnical and structural information by measuring alpha and beta angles accompanied by a description of the feature being logged.</li> <li>Bulk density by Archimedes principle are taken at regular intervals (~2 every core tray).</li> <li>Magnetic susceptibility is recorded at 1m intervals.</li> </ul>
Sub-sampling techniques and sample preparation	<ul style="list-style-type: none"> <li><i>If core, whether cut or sawn and whether quarter, half or all core taken.</i></li> <li><i>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</i></li> <li><i>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</i></li> <li><i>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</i></li> <li><i>Measures taken to ensure that the sampling is representative of the in-situ material collected, including for instance results for field duplicate/second-half sampling.</i></li> <li><i>Whether sample sizes are appropriate to the grain size of the material being sampled.</i></li> </ul>	<ul style="list-style-type: none"> <li>Drill core is cut with a core saw with half core taken for analysis. Sampling is consistent on one side of the orientation line so that the same part of the core is sent for analysis.</li> <li>The RC and RAB drilling rigs were equipped with a cone or multitier riffle splitter attached to the cyclone. The splitter provided one bulk sample of approximately 20kg and a sub-sample of 2- 4kg per metre drilled.</li> <li>Bulk samples were placed in green plastic bags, with the sub-samples collected placed in calico sample bags.</li> <li>Core duplicates have been taken at the laboratory at specified intervals after crushing to a nominal &gt;70% passing 6mm. Field duplicates for RC were collected directly from the splitter at the time of sampling or later by resplitting the bulk samples from large plastic bags using a spear. Scatter and HARD plots were used to assess the performance of duplicate samples. For most elements more than 90% of the samples returned less than 10% HARD which indicates sampling quality and size is appropriate. Analysis of gold showed poorer performance with around 80% of samples returning less than 10% HARD. This is still considered satisfactory considering the higher variability normally associated with gold.</li> <li>No sample nomogram analysis has been undertaken however the sample volume provided by 5<sup>1</sup>/<sub>2</sub>-inch RC and HQ diamond core drilling methods are considered appropriate and representative for the grain size and style of mineralisation.</li> </ul>
Quality of assay data and laboratory tests	<ul style="list-style-type: none"> <li><i>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</i></li> <li><i>For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including</i></li> </ul>	<ul style="list-style-type: none"> <li>Analysis methods used for historical drilling is not known.</li> <li>ALS Laboratory Services located in Orange NSW, was generally used for sample preparation, Au and multi-element analysis work. Requirements for Sulphur by Leco or multi-element 4 Acid digest was undertaken at ALS Brisbane.</li> </ul> <p>The laboratory preparation and analysis methods below are for all samples submitted to ALS by</p>

Criteria	JORC Code explanation	Commentary
	<p><i>instrument make and model, reading times, calibrations factors applied and their derivation, etc.</i></p> <ul style="list-style-type: none"> <li>• <i>Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.</i></li> </ul>	<p>Peel and are considered appropriate determination of the economic minerals and styles of mineralisation defined at Wagga Tank. Sample preparation was undertaken at ALS Orange using the following process:</p> <ul style="list-style-type: none"> <li>• Crush entire sample nominal &gt;70% passing 6mm;</li> <li>• If sample &gt; 3kg, Riffle split sample to maximum of 3.2Kg and pulverise split in LM5 to 85% passing 75 µm. Retain and bag unpulverised reject (bulk master). If sample &lt; 3.2kg, entire sample is pulverised;</li> </ul> <p>Routine assays were completed using either:</p> <ul style="list-style-type: none"> <li>• ME-ICP41 analysis, Aqua-regia digest (GEO-AR01) ICP-AES finish performed at ALS Orange. Over-limit assays were then undertaken using ME-OG46 analysis if triggered from above (i.e. Cu, Pb, Zn &gt;1%, Ag &gt;100ppm) Aqua-regia digest (ASY-AR01) with ICPAES finish performed in Brisbane from pulp split. Over-limit sulphur was undertaken with S-IR08 Leco Fusion (&gt;10% S).</li> <li>• ME-ICP61 or ME-MS61, 4 acid digest (GEO-4 ACID) ICP-AES finish /ICP-MS finish performed at ALS Brisbane from pulp split. Over-limit assays were then undertaken using ME-OG62 analysis if triggered from above (i.e. Cu, Pb, Zn &gt;1%, Ag &gt;100ppm) 4 acid digest (ASY-4ACID) with ICP-AES finish / ICP-MS finish performed in Brisbane from pulp split. Over-limit sulphur was undertaken with S-IR08 Leco Fusion (&gt;10% S).</li> <li>• Assaying of samples in the field was by portable XRF instruments: Olympus Delta Innov-X or Olympus Vanta Analysers. Reading time for Innov-X was 20 seconds per reading with a total 3 readings per sample. Reading time for Vanta was 10 &amp; 20 seconds per reading with 2 readings per sample. At least one daily calibration check was performed using standards and blanks to ensure the analyser was operating within factory specifications. The XRF readings are only used as indicative and assist with the selection of sample intervals for laboratory analysis.</li> <li>• QC samples were inserted in the form of Certified Reference Materials, blanks (sand and coarse) and duplicates. CRM and blanks are inserted at the rate of at least 1 blank and standard every 20 samples. Duplicates for percussion drilling are collected directly from the drill rig or the metre sample bag by spearing using a half round section of pipe at a rate of 1 every 20 samples. The duplicate rate for drill core varies as they are inserted by geologists to cover low, medium and high grade zones. These duplicates are split at the laboratory after the crushing stage. At a minimum there is one duplicate every 20 samples. Through high grade zones, additional blank lab wash is requested with analysis randomly selected on these washes by Peel to monitor cross contamination.</li> <li>• Performance of standards for monitoring the accuracy, precision and reproducibility of the</li> </ul>

Criteria	JORC Code explanation	Commentary
		<p>assay results received from ALS have been reviewed. The standards generally performed well with results falling within prescribed two standard deviation limits and only random occurrences outside of these limits.</p> <ul style="list-style-type: none"> <li>The performance of the pulp and coarse blanks have been within acceptable limits with no significant evidence of cross contamination identified.</li> <li>ALS laboratories undertake internal QC checks to monitor performance. The results of these are available to view on ALS Webtrieve™ (an ALS online data platform).</li> </ul>
<p><i>Verification of sampling and assaying</i></p>	<ul style="list-style-type: none"> <li><i>The verification of significant intersections by either independent or alternative company personnel.</i></li> <li><i>The use of twinned holes.</i></li> <li><i>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</i></li> <li><i>Discuss any adjustment to assay data.</i></li> </ul>	<ul style="list-style-type: none"> <li>All significant intersections have been verified by senior staff.</li> <li>Two twin drill holes were drilled into the main mineralisation at Southern Nights. Twin drill holes were within 5m of the original hole in both cases. Minor differences in analytical methods used introduced an element of error but both drill holes showed good repeatability in both thickness and average grade through the main zone.</li> <li>Most of the drilling undertaken by Peel involved the logging of geological and sampling information into excel spreadsheets. These spreadsheets were then validated and imported into a customized SQL database at the Peel head office. During 2019 data was transferred into a Geobank database. Logging is now undertaken via Geobank Mobile. The main database resides in the Peel Perth office with a synchronised version available at the site office. Any issues identified by the Database Administrator is raised with site staff to rectify.</li> <li>No adjustments of assay data are considered necessary.</li> </ul>
<p><i>Location of data points</i></p>	<ul style="list-style-type: none"> <li><i>Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.</i></li> <li><i>Specification of the grid system used.</i></li> <li><i>Quality and adequacy of topographic control.</i></li> </ul>	<ul style="list-style-type: none"> <li>A Garmin hand-held GPS is used to define the location of the planned drill collars. Standard practice is for the GPS to be left at the site of the collar for a period of 5 minutes to obtain a steady reading.</li> <li>Periodically throughout the drilling program, collars have been accurately located using a DGPS by a surveying contractor. 14 drill holes from the most recent program have not been surveyed prior to the MRE being completed.</li> <li>Down-hole surveys are conducted by the drill or surveying contractors using either a Champ Gyro™ North Seeking solid state gyro or a Gyroflex North Seeking gyro. Measurements are taken during drilling every 30m to track drillhole progress, however on completion of the hole the hole is surveyed on shorter intervals (6 or 10m). QA/QC in the field involves calibration using a test stand located on the project site.</li> <li>Grid system used is MGA 94 (Zone 55).</li> <li>Attempts to locate and survey the collars of historical drill holes in Wagga Tank was undertaken. Not all drill holes could be located. The locations of drill holes which could not be found have been calculated via grid transformations off old maps.</li> <li>The method of downhole surveys for historical drilling is unknown.</li> </ul>

Criteria	JORC Code explanation	Commentary
		<ul style="list-style-type: none"> <li>A topographical surface has been generated from the DGPS surveys of drill collars. The terrain of the project area is flat and topographical control is considered appropriate for the MRE.</li> </ul>
<i>Data spacing and distribution</i>	<ul style="list-style-type: none"> <li><i>Data spacing for reporting of Exploration Results.</i></li> <li><i>Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.</i></li> <li><i>Whether sample compositing has been applied.</i></li> </ul>	<ul style="list-style-type: none"> <li>Drill holes covering the areas covered by the MREs are drilled predominantly on a 20x20m or 40x40m grid spacing. Wider spacing occurs at the extremities and at depth in the MRE area.</li> <li>The data density is sufficient to demonstrate grade continuity to support a Mineral Resource estimate (MRE) under the 2012 JORC code.</li> <li>Physical compositing to 6m of some RC and precollars has occurred predominantly for the exploratory analysis of gold. If anomalous gold values have been encountered 1m sampling is then undertaken.</li> </ul>
<i>Orientation of data in relation to geological structure</i>	<ul style="list-style-type: none"> <li><i>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</i></li> <li><i>If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.</i></li> </ul>	<ul style="list-style-type: none"> <li>The nature and controls on mineralisation at the Wagga Tank and Southern Nights deposits are considered to be well understood in the area of the MRE.</li> <li>Drill holes at Southern Nights are predominantly drilled towards the east at an average dip of 60 degrees to optimally intersect the moderate to steeply west dipping north south striking mineralised zones.</li> <li>Drill holes at Wagga Tank are predominantly drilled towards the west at an average dip of 60 degrees to optimally intersect the sub-vertical to slightly east dipping north-north east south-south west striking mineralised zones.</li> <li>Based on the current understanding sampling is considered to be unbiased with respect to drill hole orientation versus strike and dip of mineralisation.</li> </ul>
<i>Sample security</i>	<ul style="list-style-type: none"> <li><i>The measures taken to ensure sample security.</i></li> </ul>	<ul style="list-style-type: none"> <li>The chain of custody is managed by the project geologist.</li> <li>All drill core is brought to the site core processing facility on a daily basis.</li> <li>Following sampling, calico sample bags are placed in polyweave sacks and stored in the processing facility until shipment is undertaken by Peel staff or courier, to ALS laboratory in Orange.</li> <li>Despatch details are checked and logged into the laboratory tracking system, on arrival at ALS.</li> <li>Detailed records are kept of all samples that are dispatched, including details of chain of custody.</li> </ul>
<i>Audits or reviews</i>	<ul style="list-style-type: none"> <li><i>The results of any audits or reviews of sampling techniques and data.</i></li> </ul>	<ul style="list-style-type: none"> <li>No formal external audit has been conducted.</li> <li>Regular audits of logging and sampling protocols are undertaken by senior Peel staff whilst onsite.</li> </ul>

**Table 1 - Section 2 - Reporting of Exploration Results for Wagga Tank Project**

Criteria	JORC Code explanation	Commentary
<i>Mineral tenement and land tenure status</i>	<ul style="list-style-type: none"> <li>• <i>Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.</i></li> <li>• <i>The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.</i></li> </ul>	<ul style="list-style-type: none"> <li>• Drilling carried out on the Wagga Tank Project is located on EL6695 and is 100%-owned by Peel Mining Ltd.</li> <li>• The tenement is in good standing and no known impediments exist.</li> </ul>
<i>Exploration done by other parties</i>	<ul style="list-style-type: none"> <li>• <i>Acknowledgment and appraisal of exploration by other parties.</i></li> </ul>	<ul style="list-style-type: none"> <li>• Various programs of work were completed at Wagga Tank by multiple previous explorers including Newmont, Homestake, Amoco, Cyprus, Arimco, Golden Cross, Pasminco and MMG. Work included multiple phases of drilling and general prospecting including soil geochemical surveys and geophysical programs. Minimal work was completed at the Wagga Tank and Fenceline prospects between 1989 and 2016.</li> <li>• Details of drilling programs can be seen in Table 3 in the body of the release.</li> </ul>
<i>Geology</i>	<ul style="list-style-type: none"> <li>• <i>Deposit type, geological setting and style of mineralisation.</i></li> </ul>	<p>The predominantly sediment-hosted mineralisation in the southern volcanic/volcaniclastics portion of the Wagga Tank-Southern Nights area is characterised by discontinuous, remobilised, en-echelon sulphide lenses hosted within high strain zones close to early Devonian porphyritic intrusives, which are in close proximity to active syn-sedimentary rift faults. The informal deposit stratigraphy comprises:</p> <ul style="list-style-type: none"> <li>• Eastern Formation: this basal unit comprises rather massive to thinly bedded shale and minor siltstone, graded bedding is present locally. Collectively the unit has attributes typical of relatively deep marine settings, with the breccias suggesting the presence of proximal unstable shelf/slope areas where episodic collapse was occurring on an occasional basis.</li> <li>• Vivigani Formation: overlies the Eastern Formation and marks a striking change with coarse to fine volcaniclastic breccias and sandstones dominating. The basal contact is sharp, reflecting the onset of volcanism in an inferred back arc basin setting.</li> <li>• Wagga Tank Mudstone: Cessation of the Vivigani volcanism event is marked by Wagga Tank Mudstone, comprising thin bedded shale and subordinate siltstone and calc-siltstone, with common graded bedding, sharp bases, scours and occasional fine cross bedding. These are typical turbidites, with the apparent absence of mass flow breccias perhaps suggesting a more distal setting than existed in Eastern Formation time. The change from Vivigani to Wagga Tank sedimentation can be sharp, but in most drill holes the boundary appears transitional.</li> <li>• One of the most striking features of Vivigani Formation rocks at Wagga Tank/Southern</li> </ul>

Criteria	JORC Code explanation	Commentary
		<p>Nights is the intensity and extent of multi-phase hydrothermal alteration. Dominant styles are chlorite, silica/sericite +/- pyrite, with lesser siderite, calcite, rutile, fluorite and rhodocrosite.</p> <ul style="list-style-type: none"> <li>• Sulphides are widespread in Vivigani Formation and at the base of the Wagga Tank mudstone. Pyrite is the dominant sulphide, with lesser sphalerite, chalcopyrite and galena, arsenopyrite is also commonly present at minor levels. Sulphides occur in a range of styles and settings with resultant implications for exploration and economics. The majority of the sulphides are interpreted as being the product of a major hydrothermal system that developed during deposition of the volcanoclastics, driven by emplacement of an intrusive of probable acid composition (rhyolite/dacite). Waning of the hydrothermal system was related to cooling of the intrusion(s) and cessation of volcanism and is reflected in the change from volcanic (Vivigani) to fine sediment (Wagga Tank Mudstone) dominated regimes.</li> <li>• The highest grade sulphides at Wagga Tank/Southern Nights occur as finely laminated sphalerite, pyrite, galena and chalcopyrite, mostly in basal Wagga Tank Mudstone but also in the Vivigani/Wagga Tank transition, interbedded with very fine clastic sediments (shale and siltstone). Locally they are cut or disrupted by later discordant stringer pyrite, chalcopyrite, silica and sphalerite veining. The laminated massive sulphides are interpreted as exhalatives, derived from venting of hydrothermal fluids at the sea floor interface, a setting analogous to sulphide deposits developing proximal to “smokers” on the ocean floor today.</li> <li>• The overall pattern of sedimentation, alteration and mineralisation at WT/SN is comparable to many well-known volcanic hosted massive sulphide deposits (“VHMS”).</li> <li>• Sulphide mineralisation at Wagga Tank/Southern Nights is clearly linked to the Vivigani volcanic event and associated hydrothermal activity, and has attributes closely analogous to other known volcanic hosted massive sulphide deposits. In this context it appears quite different from classical “Cobar type” structurally controlled base and precious metal deposits.</li> <li>• At Wagga Tank/Southern Nights high grade laminated stratiform massive sulphides hosted in a low energy shale/siltstone sequence overlie a very large intensely silica/sericite/pyrite altered, stockwork stringer sulphide veined zone which developed within permeable volcanoclastic breccias and sandstones. It is inferred that the hydrothermal alteration and mineralisation were driven by a high level intrusive of probable rhyolitic to dacitic composition. In the attached schematic representation (see page 10), the porphyry has been drawn intruding into lower Vivigani, however emplacement may have been at</li> </ul>

Criteria	JORC Code explanation	Commentary
		considerably deeper crustal levels. Cessation of volcanism but continued (albeit waning) hydrothermal venting resulted in the change in character of sulphide mineralisation from dominantly stringer veining within permeable volcanoclastics to exhalative sea floor massive sulphides with substantially higher metal concentration.
<i>Drill hole Information</i>	<ul style="list-style-type: none"> <li>• A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes: <ul style="list-style-type: none"> <li>○ easting and northing of the drill hole collar</li> <li>○ elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar</li> <li>○ dip and azimuth of the hole</li> <li>○ down hole length and interception depth</li> <li>○ hole length.</li> </ul> </li> <li>• If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.</li> </ul>	<ul style="list-style-type: none"> <li>• All relevant information material to the understanding of exploration results has been included within the body of the announcement or as appendices.</li> <li>• No information has been excluded.</li> </ul>
<i>Data aggregation methods</i>	<ul style="list-style-type: none"> <li>• In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.</li> <li>• Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.</li> <li>• The assumptions used for any reporting of metal equivalent values should be clearly stated.</li> </ul>	<ul style="list-style-type: none"> <li>• No length weighting or top-cuts have been applied when reporting exploration results.</li> <li>• No metal equivalent values are used for reporting exploration results.</li> </ul>
<i>Relationship between mineralisation widths and</i>	<ul style="list-style-type: none"> <li>• These relationships are particularly important in the reporting of Exploration Results.</li> <li>• If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.</li> <li>• If it is not known and only the down hole lengths are</li> </ul>	<ul style="list-style-type: none"> <li>• At Wagga Tank, drilling to date indicates a sub-vertical mineralised system, with a steep to slightly easterly dip implying true widths of 50-60% of the downhole intervals reported for north west-oriented (~315 degree collar azimuth) or south east (~135 degree collar azimuth) drill holes.</li> <li>• At Southern Nights, drilling to date indicates a ~70 degree west dipping mineralised system,</li> </ul>

Criteria	JORC Code explanation	Commentary
<i>intercept lengths</i>	<i>reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').</i>	with a implying true widths of 70-90% of the downhole intervals reported for east-oriented (085/090 degree collar azimuth) drill holes, and between 30-50% for all west-oriented (270 degree collar azimuth) drill holes.
<i>Diagrams</i>	<ul style="list-style-type: none"> <li>• <i>Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.</i></li> </ul>	<ul style="list-style-type: none"> <li>• Refer to Figures in the body of text.</li> </ul>
<i>Balanced reporting</i>	<ul style="list-style-type: none"> <li>• <i>Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.</i></li> </ul>	<ul style="list-style-type: none"> <li>• All results are reported.</li> </ul>
<i>Other substantive exploration data</i>	<ul style="list-style-type: none"> <li>• <i>Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.</i></li> </ul>	<ul style="list-style-type: none"> <li>• Preliminary metallurgical testwork is currently in progress.</li> </ul>
<i>Further work</i>	<ul style="list-style-type: none"> <li>• <i>The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).</i></li> <li>• <i>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</i></li> </ul>	<ul style="list-style-type: none"> <li>• The consistency, grade, and potential for extension to the intersections at Wagga Tank and Southern Nights to date warrants further drilling to extend the mineralisation along strike (East –West) and at depth. This drilling is currently in progress.</li> </ul>