

**Table 1 – Lantern Gold Deposit Drill Hole Results**

Hole ID	From (m)	To (m)	Downhole Interval (m)	Estimated True Width (m)	Gold Grade (g/t Au)	Geological Structure	Comments
<b>700 Lode</b>							
CP009W1 <sup>(2)</sup>	522	522.5	0.5	0.35	7.05	700 Lode	See Release Jun 16, 2011
CW101001 <sup>(2)</sup>	13.8	20	6.2	4.1	4.89	700 Lode	See Release July 22, 2015
CW101001A <sup>(2)</sup>	14	21.54	7.54	5.35	5.33	700 Lode	See Release July, 22 2015
CW101002 <sup>(2)</sup>	13.1	17.8	4.7	3.8	4.04	700 Lode	See Release July 22, 2015
CW101003 <sup>(2)</sup>	13.9	17.85	3.95	3.1	6.71	700 Lode	See Release July 22, 2015
CW101004 <sup>(1)</sup>	14.7	19.75	5.05	3.3	3.03	700 Lode	
CW101005	15.1	20.1	5	3.7	2.43	700 Lode	
CW101006	13	17.65	4.65	3.75	3.51	700 Lode	
CW93501	No Significant Intercept					700 Lode	
CW93502	110.3	119.35	9.05	8.15	3.34	700 Lode	
CW93503	No Significant Intercept					700 Lode	
CW93504	No Significant Intercept					700 Lode	
CW93506	No Significant Intercept					700 Lode	
CW93508	108.2	110.4	2.2	2.15	3.23	700 Lode	
CW93510	112	116	4	3.5	8.4	700 Lode	
CW93511	No Significant Intercept					700 Lode	
CW93516	132.5	139.2	6.7	5.45	4.26	700 Lode	
<b>A1 Lode</b>							
CW101004 <sup>(1)</sup>	148.9	152.3	3.4	1.75	2.44	A1 Lode	
and <sup>(1)</sup>	154.35	154.75	0.4	0.2	98	A1 Lode	
CW101005	88.3	92.5	4.2	3.7	7.16	A1 Lode	
CW101006	102.2	104.1	1.9	1.65	5.29	A1 Lode	
and	113	115.8	2.8	2.3	2.66	A1 Lode	
CW101012	87.3	89.3	2	1.7	6.14	A1 Lode	
and	92.5	94.5	2	1.85	3.71	A1 Lode	
<b>CW101013 <sup>(1)</sup></b>	<b>63.2</b>	<b>66</b>	<b>2.8</b>	<b>2.2</b>	<b>14.57</b>	<b>A1 Lode</b>	

Hole ID	From (m)	To (m)	Downhole Interval (m)	Estimated True Width (m)	Gold Grade (g/t Au)	Geological Structure	Comments
<b>CW93513<sup>(1)</sup></b>	<b>229.5</b>	<b>234</b>	<b>4.5</b>	<b>4</b>	<b>119</b>	<b>A1 Lode</b>	
<b>including<sup>(1)</sup></b>	<b>233</b>	<b>234</b>	<b>1</b>	<b>0.9</b>	<b>521</b>	<b>A1 Lode</b>	
<b>A2 Lode</b>							
CW101002 <sup>(2)</sup>	78.05	81	2.95	2.25	2.05	A2 Lode	See Release July 22, 2015
And <sup>(2)</sup>	83.5	86.8	3.3	2.45	2.84	A2 Lode	See Release July 22, 2015
and <sup>(1)(2)</sup>	71.5	74.75	3.25	2.8	4.78	A2 Lode	See Release July 22, 2015
CW101003 <sup>(2)</sup>	79	82	3	2.65	2.24	A2 Lode	See Release July 22, 2015
CW101004	87.3	90.55	3.25	2.1	3.18	A2 Lode	
and	97.15	99.15	2	1.15	3.09	A2 Lode	
CW101012	39.2	41.2	2	1.55	2.44	A2 Lode	
and	43.6	46.3	2.7	2.2	4.42	A2 Lode	
CW101013	41.5	43.9	2.4	2.25	5.51	A2 Lode	
<b>Adder Lode</b>							
CW101007	No Significant Intercept					Adder Lode	
CW101007A	No Significant Intercept					Adder Lode	
CW101008	No Significant Intercept					Adder Lode	
CW101009	No Significant Intercept					Adder Lode	
CW93507	63.35	65.1	1.75	1.4	6.57	Adder Lode	
<b>Hornet Lode</b>							
CP009W1 <sup>(2)</sup>	821.43	824.36	2.93	1.4	4.17	Hornet Lode	See Release Jun 16, 2011
And <sup>(2)</sup>	826.68	828.32	1.64	0.75	10.55	Hornet Lode	See Release Jun 16, 2011
CW101002 <sup>(2)</sup>	378	380.3	2.3	0.9	7.7	Hornet Lode	See Release July 22, 2015
CW101012	287	290	3	1.45	8.64	Hornet Lode	
CW101013	324.4	333	8.6	3.9	3.5	Hornet Lode	
CW93513	398.5	401.65	3.15	2.1	4.32	Hornet Lode	
CW93515	462	467.4	5.4	2.85	4.66	Hornet Lode	
CW93516	402.9	405.1	2.2	1.4	4.82	Hornet Lode	
PHP0001 <sup>(2)</sup>	456	458	2	1.4	16.4	Hornet Lode	See Release Jun 16, 2011
<b>W1 Lode</b>							

Hole ID	From (m)	To (m)	Downhole Interval (m)	Estimated True Width (m)	Gold Grade (g/t Au)	Geological Structure	Comments
CW101002 <sup>(2)</sup>	159	165.15	6.15	2.9	6.79	W1 Lode	See Release July 22, 2015
<b>and <sup>(1) (2)</sup></b>	<b>169</b>	<b>191.75</b>	<b>22.75</b>	<b>11.3</b>	<b>4.34</b>	<b>W1 Lode</b>	<b>See Release July 22, 2015</b>
CW101003 <sup>(2)</sup>	178.15	183.9	5.75	3.25	3.86	W1 Lode	See Release July 22, 2015
CW101004	192.15	197.45	5.3	2.45	2.15	W1 Lode	
And	199.55	204.55	5	1.8	7.39	W1 Lode	
CW101006	155.8	156.8	1	0.6	15.3	W1 Lode	
and	173.1	176	2.9	2.05	4.37	W1 Lode	
<b>and <sup>(1)</sup></b>	<b>143</b>	<b>149</b>	<b>6</b>	<b>3.85</b>	<b>9.64</b>	<b>W1 Lode</b>	
CW101010	108	112	4	2.8	4.14	W1 Lode	
<b>and</b>	<b>124</b>	<b>140.6</b>	<b>16.6</b>	<b>9.8</b>	<b>4.23</b>	<b>W1 Lode</b>	
CW101011	99	102	3	2.25	2.23	W1 Lode	
CW101012	102.1	102.9	0.8	0.4	10.2	W1 Lode	
and	129.3	132.7	3.4	1.55	3.16	W1 Lode	
<b>and</b>	<b>135.7</b>	<b>141.1</b>	<b>5.4</b>	<b>2.9</b>	<b>23.87</b>	<b>W1 Lode</b>	
<b>including <sup>(1)</sup></b>	<b>135.7</b>	<b>136.5</b>	<b>0.8</b>	<b>0.4</b>	<b>125</b>	<b>W1 Lode</b>	
CW101013	129.4	131.5	2.1	1.3	3.42	W1 Lode	
and	135.7	140.2	4.5	1.8	6.64	W1 Lode	
<b>W2 Lode</b>							
CP009W1 <sup>(2)</sup>	722.28	724.38	2.1	1.25	7.01	W2 Lode	See Release Jun 16, 2011
CW101002 <sup>(2)</sup>	220	221.75	1.75	0.7	25.18	W2 Lode	See Release July 22, 2015
CW101006	212	213	1	0.55	19.8	W2 Lode	
CW101010	153	155	2	1.2	2.98	W2 Lode	
and	159	162	3	1.7	2.84	W2 Lode	
CW101012	152.6	153.8	1.2	0.9	11.81	W2 Lode	
<b>CW101012 <sup>(1)</sup></b>	<b>156.6</b>	<b>167.7</b>	<b>11.1</b>	<b>7</b>	<b>15.27</b>	<b>W2 Lode</b>	
<b>including <sup>(1)</sup></b>	<b>156.6</b>	<b>161.8</b>	<b>5.2</b>	<b>3.1</b>	<b>29.7</b>	<b>W2 Lode</b>	
CW93513 <sup>(1)</sup>	309.1	311.3	2.2	1.6	5.01	W2 Lode	
GFG001W1	896	897	1	0.65	7.39	W2 Lode	See Release Apr 14, 2010
<b>W3 Lode</b>							

Hole ID	From (m)	To (m)	Downhole Interval (m)	Estimated True Width (m)	Gold Grade (g/t Au)	Geological Structure	Comments
CW101001A <sup>(2)</sup>	296.45	297.5	1.05	0.25	61.6	W3 Lode	See Release July 22, 2015
And <sup>(2)</sup>	319.05	321.05	2	1.3	2.82	W3 Lode	See Release July 22, 2015
CW101002 <sup>(2)</sup>	226.6	229.5	2.9	2.15	2.56	W3 Lode	See Release July 22, 2015
And <sup>(2)</sup>	234.5	248.2	13.7	5.7	4.44	W3 Lode	See Release July 22, 2015
And <sup>(2)</sup>	254	256.7	2.7	2.15	2.45	W3 Lode	See Release July 22, 2015
<b>CW101003 <sup>(2)</sup></b>	<b>258.6</b>	<b>259.65</b>	<b>1.05</b>	<b>0.5</b>	<b>170</b>	<b>W3 Lode</b>	<b>See Release July 22, 2015</b>
CW101005	<b>219.7</b>	<b>221</b>	<b>1.3</b>	<b>0.75</b>	<b>65.5</b>	<b>W3 Lode</b>	
and	235.9	237	1.1	0.7	14.7	W3 Lode	Tight Folding
<b>CW101005 <sup>(1)</sup></b>	<b>273.1</b>	<b>274</b>	<b>0.9</b>	<b>0.55</b>	<b>82.6</b>	<b>W3 Lode</b>	
CW101006	268.6	273.6	5	4.75	5.9	W3 Lode	
and <sup>(1)</sup>	238.3	239.9	1.6	1.05	7.92	W3 Lode	
CW101006 <sup>(1)</sup>	261.8	265.15	3.35	2.95	2.53	W3 Lode	
CW101010	196	203.2	7.2	4.45	4.92	W3 Lode	
and	217	222	5	2.6	2.94	W3 Lode	
and	228	229	1	0.45	10.8	W3 Lode	
CW101012 <sup>(1)</sup>	173.7	178.3	4.6	2.65	2.76	W3 Lode	
CW93513 <sup>(1)</sup>	364.7	365	0.3	0.2	46.3	W3 Lode	
CW93516	361.7	366.8	5.1	4.05	3.17	W3 Lode	
<b>Undefined Lodes</b>							
CP009W1 <sup>(2)</sup>	464.5	468.5	4	2.85	3.08	N/A	See Release Jun 16, 2011
And <sup>(2)</sup>	477.5	482.08	4.58	3.3	2.92	N/A	See Release Jun 16, 2011
And <sup>(2)</sup>	489.5	491.5	2	1.4	3.48	N/A	See Release Jun 16, 2011
And <sup>(2)</sup>	629.85	636	6.15	3.65	2.19	N/A	See Release Jun 16, 2011
And <sup>(2)</sup>	802.39	805.88	3.49	1.7	3.71	N/A	See Release Jun 16, 2011
CW101001 <sup>(2)</sup>	67.7	70.6	2.9	1.8	6.99	N/A	See Release July 22, 2015
CW101001A <sup>(2)</sup>	72.85	75	2.15	0.85	2.19	N/A	See Release July 22, 2015
CW101003 <sup>(2)</sup>	286.4	288.4	2	1.35	4.03	N/A	See Release July 22, 2015
CW101010	0	1	1	0.75	12.2	N/A	

Hole ID	From (m)	To (m)	Downhole Interval (m)	Estimated True Width (m)	Gold Grade (g/t Au)	Geological Structure	Comments
CW101011	142	145	3	2.2	2.52	N/A	
CW93505	133.2	134.6	1.4	0.85	17.36	N/A	
CW93509	87.1	91.65	4.55	4.3	3.14	N/A	
CW93510	7.7	10	2.3	1.2	10.29	N/A	
and	92.8	96.7	3.9	3.6	2.56	N/A	
CW93515	79	82	3	2.75	2.67	N/A	
and	140	142	2	1.65	2.54	N/A	
CW93516	100.7	102	1.3	0.95	9.99	N/A	
and	286.3	288.9	2.6	1.15	2.06	N/A	
PHP0001 <sup>(2)</sup>	449.4	451	1.6	1.15	4.7	N/A	See Release Jun 16, 2011

**Intercept Notes:**

<sup>(1)</sup> Intercept with visible gold logged in drill hole.

<sup>(2)</sup> – Previously reported drill hole

- Intercepts are generally based on minimum 2m downhole length, above 2 g/t gold grade and maximum 3m internal waste downhole length. However, narrower intercepts are reported where gold grade (g/t Au) x estimated true width (m) is >10 Gram-m gold.
- Intercepts with >30 Gram-m gold are in bold text.
- Gram-m = Gold Grade (g/t Au) x Estimated True Width (m)
- Previously reported holes may have different reported intercepts due to changes in geological understanding of the mineralized structures.

**Table 2 – Lantern Gold Deposit Drill Collars**

Hole ID	Northing	Easting	Relative Elevation	(Grid) Collar Azimuth	Collar Plunge	Depth (m)	Hole Comments and Targets
CW93501	1,456	5,076	940	201.2	7.6	284.8	Partly Test Lantern
CW93502	1,457	5,075	940	217	0.2	143.4	700 Lode Target
CW93503	1,457	5,075	941	223	27.2	170.1	700 Lode Target
CW93504	1,457	5,075	939	211.7	-8.5	155.8	700 Lode Target
CW93505	1,456	5,076	941	194.2	19.7	185	700 Lode Target
CW93506	1,456	5,076	939	194.2	-6.8	183	700 Lode Target

Hole ID	Northing	Easting	Relative Elevation	(Grid) Collar Azimuth	Collar Plunge	Depth (m)	Hole Comments and Targets
CW93507	1,457	5,075	940	210.1	8.8	140.2	700 Lode Target
CW93508	1,458	5,075	940	223.5	9.2	128.3	700 Lode Target
CW93509	1,459	5,074	940	237	8.9	156.6	700 Lode Target
CW93510	1,458	5,075	939	223.5	-9	130.9	700 Lode Target
CW93511	1,459	5,074	939	237	-8.7	146.1	700 Lode Target
CW93513	1,459	5,075	939	237	-25	441.6	Full transect across Lantern host rocks
CW93515	1,458	5,075	939	219.9	-13.8	491.2	Full transect across Lantern host rocks
CW93516	1,459	5,075	939	246.2	-29.3	409.5	Full transect across Lantern host rocks
CW101004	1,345	5,038	1,013	239.9	-41.8	340.8	Central Lantern Only
CW101005	1,344	5,039	1,014	221.2	-22.4	303	Central Lantern Only
CW101006	1,345	5,040	1,013	233.8	-31	425.9	Full transect across Lantern host rocks
CW101007	1,321	5,038	1,015			14.9	Adder Lode Target/Hole Abandoned
CW101007A	1,321	5,038	1,015	99.4	-5.1	72	Adder Lode Target
CW101008	1,320	5,038	1,014	112.2	-23.6	92.4	Adder Lode Target
CW101009	1,320	5,038	1,015	118.9	-3.5	98.7	Adder Lode Target
CW101010	1,335	5,020	1,014	229.6	-28.2	368.9	Full transect across Lantern host rocks
CW101011	1,335	5,020	1,014	228.3	-14.6	386.3	Full transect across Lantern host rocks
CW101012	1,336	5,020	1,014	239.3	-31	329.9	Full transect across Lantern host rocks
CW101013	1,335	5,020	1,014	214.9	-17.2	373.3	Full transect across Lantern host rocks
<b>Total</b>						<b>5972.6m</b>	<b>25 holes</b>
CW101001 <sup>(2)</sup>	1,346	5,038	1,013			72.6	Hole abandoned
CW101001A <sup>(2)</sup>	1,345	5,038	1,013	255	-40.5	441	Full transect across Lantern host rocks
CW101002 <sup>(2)</sup>	1,345	5,038	1,013	240.7	-33.3	431.8	Full transect across Lantern host rocks
CW101003 <sup>(2)</sup>	1,345	5,038	1,013	248	-37.1	308	Central Lantern Only
GFG001W1 <sup>(2)</sup>	1,840	5,195	1,159	240	-61.3	1,019.30	Historic Surface Hole
PHP001 <sup>(2)</sup>	1,221	5,162	1,071	250.8	-32.7	550	Historic Surface Hole
CP009W1 <sup>(2)</sup>	1,591	5,217	1,155	241	-54	950.1	Historic Surface Hole

<sup>(2)</sup> – Previously reported drill hole

## **Drilling and Assay QAQC**

Kirkland Lake Gold has in place quality-control systems to ensure best practice in drilling, sampling and analysis of drill core. All diamond drill hole collars (Table 2) are accurately surveyed using a Leica Total Stations instrument and down hole deviations are measured using a down hole Gyro instrument.

All reported drill intercepts are from NQ2 or NQ sized diamond drill core that was cut longitudinally in half with a diamond saw depending on the requirements to keep core for future reference. In the cases of sawn drill core, one-half of the drill-core was sent for assay and the other half retained for reference. Drill core sample intervals vary between 0.2 and 1.5m in length and were determined from logging of sulphide and visible gold. Where recognized in drill core all visible gold zones have been noted in the tables reported above.

Assay results are based on 50-gram charge fire assay. Mean grades are calculated using a variable lower grade cut-off (generally 2 g/t Au) and maximum contiguous 3m internal dilution. No upper gold grade cut has been applied to the data. However, during future resource work the requirement for assay top cutting will be assessed.

Drill samples from the Cosmo Gold Mine were assayed at North Australian Laboratories Pty Ltd, an independent analytical laboratory in Pine Creek, Northern Territory.

All Mine Geology and Exploration teams conduct site audits and reviews from time to time at the independent laboratory as well as conduct intra-laboratory analysis of results to test the quality of reported results. All reviews of QAQC data has not identified any significant issues that cannot be resolved prior to results being used for modelling or reporting.