



Encouraging Regional Rock Chip Results up to 13.7g/t Gold, Fifield NSW **Airborne Magnetic Survey Completed. RC drilling nears finalisation at Sorpresa**

Rimfire Pacific Mining NL (ASX:RIM) ("Rimfire" or "The Company") is pleased to provide a further update on its regional exploration programs at Fifield NSW. The Company continues to make significant advances on prospects within a 6km radius of the Sorpresa gold and silver discovery area.

The new **Carlisle Prospect** has provided further encouragement to the gold potential of the Fifield area with high grade rock chips up to **13.7g/t Gold (Au) and 7.29g/t Au** in outcrop. Elsewhere, at the **Eclipse Trend**, rock chips results up to **0.47% Copper (Cu) and 32g/t Silver (Ag) were returned**. Metal zonation on a large scale continues to be observed at Fifield (**Figure 1**).

A detailed airborne magnetic and radiometric survey was completed. Modelling is now underway examining key features potentially associated with the Carlisle, Eclipse Trend and Yoes Prospects, enhancing drill targeting.

Highlights

- **High Grade rock chip results of 13.7g/t Au, 7.29g/t Au, 7.02g/t Au and 6.22g/t Au, returned from the new Carlisle Prospect, (Figure 2).**
 - High grade results returned from two outcrops of quartz-sulphide stockwork veined pyritic quartzite,
 - A prominent magnetic feature adjacent to these results is being modelled for RC drilling,
- **4,000m RC drilling¹ nears completion at Sorpresa - assays to be finalised within the next month.**
 - 16 holes have been drilled at various locations within Sorpresa to date
- **Encouraging RC drill intersections at Golden Green South and Screen Fire Assays produces upgrades towards 30%, (Figure 3):**
 - **Fi 0452: 2m @ 2.32g/t Au** from 35m AND, **11m @ 1.17g/t Au** from 72m, Incl; **3m @ 3.79g/t Au** from 75m,
 - **Fi 0401:** Screen Fire Assay returns **2m @ 12.42g/t Au** from 42m, Incl; **1m @ 23.60g/t Au** from 42m, upgrading previous result of 2m @ 9.11g/t Au from 42m.
 - **Fi 0405:** (Twin Shafts) Screen Fire Assay returns **2m @ 9.66g/t Au** from 58m, Incl; **1m @ 15.95g/t Au** from 58m, upgrading previous result of 2m @ 7.49g/t Au from 58m.
- **Regional Rock Chips at Fifield indicate gold and significant base metal anomalism,**
 - Eclipse area highlights include **0.47% Copper, 32g/t Silver**
 - Highlights at Eurimbla area were **0.38% Copper, and 8g/t Silver**
- **Airborne Magnetic/Radiometric Survey Completed – valuable high quality data set produced**
 - Interpretation and modelling in progress, with drill targets being defined
- **Auger drilling at the Eclipse Area Gold and Base Metal anomaly continues, aiming to extend strike length > 1km. Infill and extension Auger drilling also ongoing at the Yoes Lookout Prospect to site drill targets within the 1.4km long gold anomaly.**

Executive Chairman, John Kaminsky said:

"Regional activities have continued to develop strongly alongside Sorpresa. The **Carlisle Gold prospect** has advanced significantly with some very encouraging new rock chip results, geological interpretation, detailed aerial geophysics and further work programs underway. ***This area now represents one of the best prospects at Fifield, for its equivalent early stage of development.***

¹ A 3D Exploration Model depicting gold mineralization at Sorpresa and the RC drill program goals is available as a [video by hyperlink: Click Here](#)

Results continue to build at the regional Eclipse trend also, **with encouraging copper and silver rock chip results**, adding to a large zoned gold and base metal geochemical anomaly. These results, and the further highly encouraging RC drill results at Golden Green South, reinforce the Company's view that the region is structurally complex and dynamic, with numerous mineralisation styles possible on a large scale.

The scene is now set for a significant advancement in regional target definition and the next round of target generation with the successful completion of the highly detailed, 35m flight height and 40m line spaced, combined airborne Magnetic and Radiometric survey.

This excellent data set is now being modelled for specific targeting associated with the various prospects. The areas of focus typically have established gold anomalies already identified in surface work, with new insights expected through the geophysics. Understanding of the Carlisle, Yoes Lookout, Eclipse and Roseneath prospect will benefit greatly from this data, as will other parts of the broader area within 6km radius of Sorpresa.

Drilling at the BGE area at Sorpresa has proceeded more slowly than anticipated with further weather delays hampering progress. The RC drill program at Sorpresa is due to be completed shortly with assays to be compiled and reported within the next month.

The Company has started to evaluate more of the gold intersections for a coarse gold fraction using screen fire assays. Results at Golden Green South demonstrate that the coarse fraction gave an approximate 30% uplift compared to the routine fire assay results. The observation has potentially positive ramifications elsewhere at Fifield, including Sorpresa."

Drilling almost complete at Sorpresa



Regional Exploration – Golden Green South, Carlisle, Eclipse and Eurimbla

New rock chips were taken across a range of regional prospects, within a 6km radius of Sorpresa (**Figures 1 & 2, Table 2**).

The airborne magnetic and radiometric survey was successfully completed (**Figure 4**). The survey comprised 2,968 line kms at 35m flight height and 40m line spacing, and all imagery has been processed and received. 3D Modelling of magnetic high anomalies at Carlisle, Yoes Lookout and Eclipse North is in progress.

Screen Fire RC Drill Results at Golden Green South (GGS) and Twin Shafts.

The Company previously reported (16th May) an intersection at GGS of 2m @ 9.11 g/t Au from 42m (Fi 0401) which was upgraded to **2m @ 12.42g/t Au, Incl, 1m @ 23.60g/t Au with screen fire assay (36%)**.

A similar outcome was achieved at Twin Shafts where the Fi 0405 intersection of 2m @ 7.49g/t Au from 58m was upgraded to **2m @ 9.66g/t Au from 58m, Incl; 1m @ 15.95g/t Au from 58m**.

Additional RC drilling, including hole Fi 0452 also produced new intersections, (**Figure 3**):

- **2m @ 2.32g/t Au from 35m AND**
- **11m @ 1.17g/t Au from 72m, incl. 3m @ 3.79g/t Au**

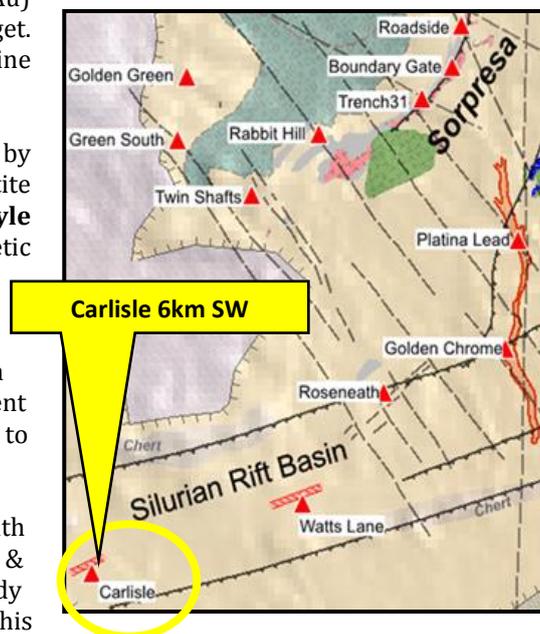
Carlisle Gold Prospect

Located approximately 6km SW of Sorpresa, exploration was directed to the Carlisle target relatively recently, based on a regional aeromagnetic structural interpretation, regional gold in rock chip trends (**Figure 5: 'Fifield central gold corridor'**), a diffuse magnetic high anomaly and a botanical anomaly evident in the satellite imagery.

Recent field work discovered outcropping gossan, ironstone and two outcrops of fresh sulphides comprising quartz-pyrite-arsenopyrite veined pyritic quartzite in a NNE trending shear zone. Samples from these outcrops produced 13.7g/t Au, 7.29g/t Au, 7.02g/t Au & 6.22g/t Au.

Follow up rock chip geochemistry, soil geochemistry & high resolution magnetic & radiometric surveys have been undertaken, results are awaited to progress the new targets to drill ready status. **Already up to four potential drill targets are emerging:**

- ❑ **High Grade Gold** (13.7g/t Au, 7.29g/t Au, 7.02g/t Au & 6.22g/t Au) in a structurally controlled, sediment hosted orogenic gold target. A soil geochemical survey aims to extend the target and determine orientation.
- ❑ **Diffuse bullseye magnetic high anomaly** obscured by conglomerate cover, with peripheral silica, magnetite, hematite alteration, pyritisation & trace native Cu – potential **Tritton style Cu-Au target**. 3D modelling of the high resolution aeromagnetic survey aims to further define this target.
- ❑ **Gold (up to 1.14g/t Au) in rock chips of pyritic quartzite** sub-crop & float proximal to serpentinite float indicative of a major regional fertile structure - structurally controlled, sediment hosted orogenic gold target. A soil geochemical survey aims to extend the target.
- ❑ **A large zone (200m x 150m) of outcropping ironstone** with weakly anomalous pathfinder geochemistry (Fe, As, Cu, Li, Sb & Zn) & associated with a botanical anomaly. A pyritic sulphide body at depth cannot be ruled out as the source of the ironstone at this early stage of exploration.



Proposed Exploration Program at Carlisle:

The Company will compile, evaluate and interpret geology, rock chip geochemistry, soil geochemistry & geophysical data-sets, then possibly undertake auger traverses and finally plan an RC drill program to test resultant targets (e.g. 60-80m deep RC holes on an overlap fence to test the high grade Au in rock chip results).

ABOUT RIMFIRE PACIFIC MINING

Rimfire Pacific Mining is an ASX listed (code: RIM) resources exploration company that has its major emphasis focused at Fifield in central NSW, located within the Lachlan Transverse Zone (LTZ).

In 2010 the Company delivered a greenfields gold and silver discovery, named “Sorpresa”, in the Fifield district. Subsequent exploration has provided evidence that the “wider Sorpresa area” is now considered a significant gold mineralized system of some promise. The gold is predominantly native gold.

Best gold and silver intersections achieved from the period mid-2012 to the current date on the Sorpresa Project area with locations shown include²:

14m @ 21.9g/t Au plus 6m @ 93g/t Ag	Trench 31
14m @ 24.4g/t Au plus 26m @ 155g/t Ag	Roadside
10m @ 535g/t Ag plus 1.0g/t Au	Roadside
20m @ 230g/t Ag	Roadside North
1m @ 114g/t Au plus 1m @ 33g/t Ag	Boundary Gate East
16m @ 5.32g/t Au plus 20m @ 81g/t Ag	Roadside
4m @ 21.9g/t Au	Join Up
26m @ 90g/t Ag plus 26m @ 0.37g/t Au	Roadside

The current main Sorpresa Strike line containing gold and silver mineralization is approximately 1.5km in length and is at various stages of further discovery extension drilling.

² Please refer to Table 1: *Dates and Hyperlinks for previously referred to results in this report*

The Company has now established multiple project areas of importance involving hard rock Gold (Au), Silver (Ag), Platinum (Pt) and Base Metal within a 6km radius of the Sorpresa discovery covering an extensive prospective 30km² area at Fifield, which is part of the contiguous 313km² tenement position held.

View the latest presentation on the Company at hyperlink: [Presentation to Melbourne Mining Club 20th May 2014](#)

Current (June~July) RC Drill Program on the Sorpresa Gold and Silver Project Area

Approximately 4,000 metres of RC drilling is in progress on the Sorpresa project area. The objectives of the program are to:

- Determine the mineralization source feeding the gold and silver expression at **Original Sorpresa**
- Understand and extend the down dip and down plunge position at **Roadside North**
- Re-engage with the high grade plunging gold shoot at **Roadside**
- Resolve the high grade gold plunge position at **Join-up** and its relevance to **BGE**
- Expand the high grade gold position at **BGE**

Locations are provided within **Figure 1** and the video hyperlink below:

A 3D Exploration Model depicting gold mineralization at Sorpresa with a description of the RC drill program goals is available as a [video by hyperlink: Click Here](#)

Company Strategy

The Company has been committed to pursue a **prospect portfolio strategy** of developing the regional prospects at Fifield to suitable stages, in parallel with the Sorpresa project area to achieve outcomes as follows:

- Enhance and highlight the Fifield district's appeal to deliver more discoveries within 6km radius of Sorpresa
- Ensure the Company has the opportunity to make the best discoveries possible in its exploration portfolio
- Continue discovery growth at Sorpresa, looking for important contributions in the next phase of drilling

Competent Persons Declarations

The information in the report to which this statement is attached that relates to Exploration Results is based on information compiled by Colin Plumridge and Darren Glover. Both gentlemen are deemed to be Competent Persons and are Members of The Australasian Institute of Mining and Metallurgy.

Mr Plumridge has over 40 years' experience in the mineral and mining industry. Mr Plumridge is employed by Plumridge & Associates Pty. Ltd. and is a consulting geologist to the Company. Colin Plumridge has sufficient experience that is relevant to the style of mineralization and type of deposit under consideration and to the activity being undertaken 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'. Colin Plumridge has previously consented to the inclusion of the matters based on his historic information in the form and context in which it appears.

Mr Glover is employed by Rimfire Pacific Mining and has 18 years' experience in the mineral and mining industry. He has sufficient experience that is relevant to the style of mineralization and type of deposit under consideration and to the activity being undertaken 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'. Mr Glover consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Historic information and previously published material under 2004 JORC standard that is referenced in this report:

The information provided in "About Rimfire Pacific Mining" is extracted from the reports entitled and listed in the table below created on the dates shown and is available to view additionally on the Company Website at hyperlink: [ASX Announcements](#). The company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement.

In addition, 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 announcements which operated under the 2004 JORC reporting requirements. Mr Colin Plumridge was the Competent Person at that time and consented to the inclusion in the original reports in the form and context in which it appeared, please refer to the Competent Persons declaration above for additional information.

Table 1 Dates and Hyperlinks for previously referred to results in this report

ASX November 9th 2007	Golden Green Gold Prospect Returns Encouraging Assay
ASX July 25th 2008	Quarterly Report For the period April 1st to June 30th 2008
ASX March 30th 2012	Coherent Gold geochemistry at Yoes Lookout Confirmed – Fifield NSW
ASX September 17th 2012	First Gold Sections Created at Sorpresa Project, Fifield NSW
ASX June 13 th 2012	High Grade Gold Intersection Sorpresa Project – Fifield NSW
ASX July 26 th 2012	Successful Intersections at Sorpresa Gold Project
ASX October 10 th 2012	Highest Gold and Silver Grades seen to date at Sorpresa Project
ASX December 18 th 2012	Sorpresa Project Produces More Encouraging Results
ASX March 27 th 2013	Additional Assays at Sorpresa Gold Project
ASX June 13 th 2013	Further Positive RC Drilling Results at Sorpresa Project
ASX July 17 th 2013	Diamond Drilling Reveals Bonanza Grade of 1m @ 114g/t Au
ASX October 21 st 2013	Results Confirm Extensions of Gold and Silver at Sorpresa Project
ASX December 20 th 2013	High Grade Silver extensions continue at Roadside
ASX February 14 th 2014	Gold Intersections Confirm New Intersections at Sorpresa
ASX May 16 th May 2014	4,000m RC Drilling Program at Sorpresa Project - Regional Intersection 2m @ 9.11g/t Gold
ASX May 30 th May 2014	Drilling Update and 3D Exploration Model for Sorpresa Project - 2m @ 7.49g/t Gold intersected

Metal Prices

Trading prices for gold remained weak. As at 22nd July 2014, the trading prices (www.kitco.com) for metals were lower in New York based on closing Ask in USD were as follows:

Gold	\$1,308/oz
Platinum	\$1,489/oz
Silver	\$21.07/oz



JOHN KAMINSKY
Executive Chairman

Figure 1: **Fifield Prospect and Concept Map with Current RC Drilling Location, Recent Rockchips and other Activities**

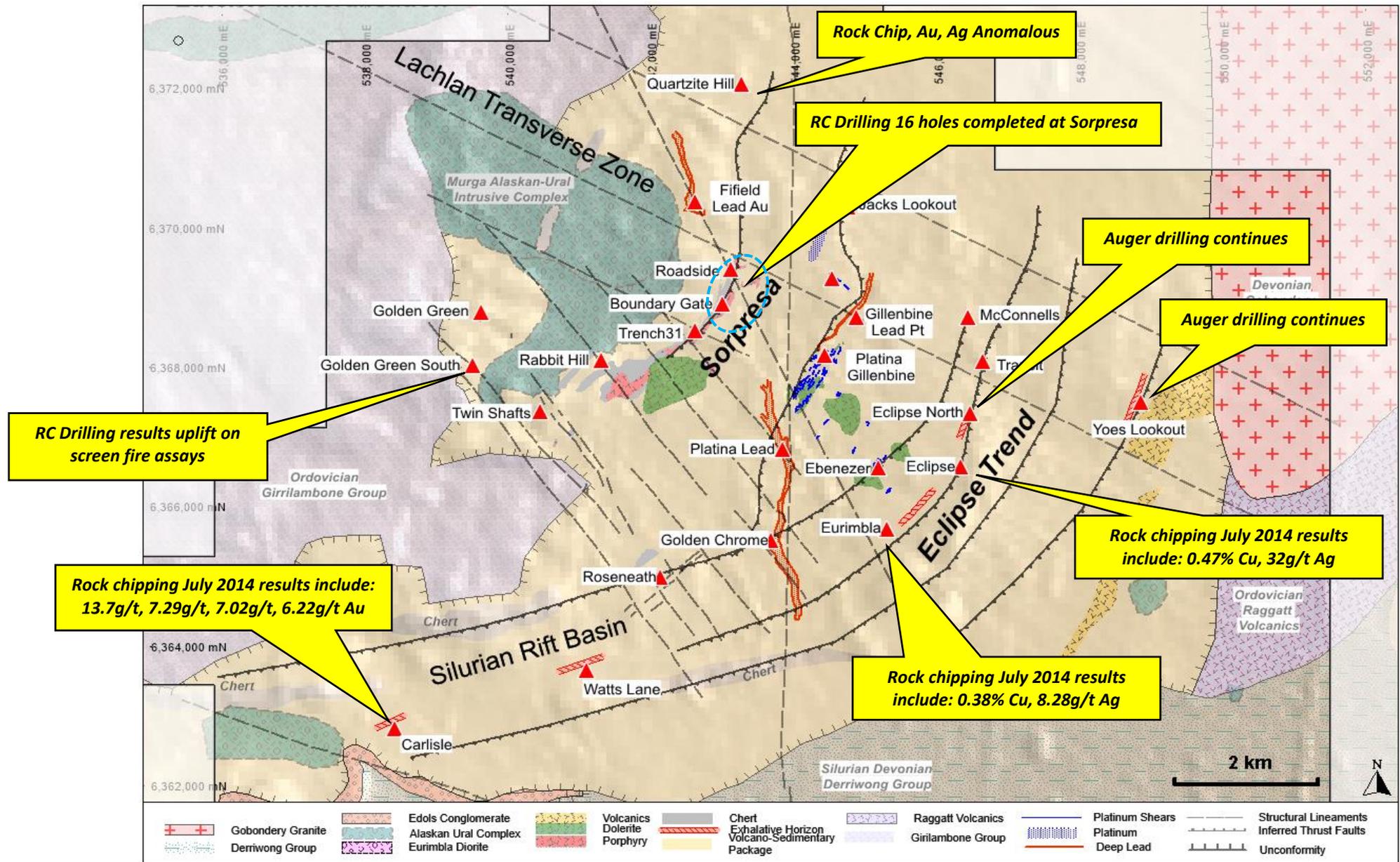


Table 2: Regional Rock Chip Results – Within 6km Radius of Sorpresa Project Area – Gold(Au), Silver (Ag), Copper (Cu), Lead (Pb), Zinc (Zn)

Sample	Type	East	North	Locality	Au (g/t)	Ag (g/t)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Description
FIR 1270	FLOAT	549278	6368288	Yoes Lookout	0.572	0.19	263	15.7	16	Qtz-py stockwork vnd, banded qtz-mt jasper, with py replacement bands & hem alt mt.
FIR 1279	PILE	549192	6368488	Yoes Lookout	0.103	0.15	12.6	1.6	1	Light grey-cream-white, banded qtz-py veining, in silicified chert, with cubic & framboidal py.
FIR1317	FLOAT	549277	6368480	Yoes Lookout	0.114	0.06	114	8.5	5	Qtz vnd, quartzite, with limonite boxwork textures.
FIR 1266	FLOAT	543207	6372180	Quartzite Hill	0.142	1.12	85.2	19.4	121	Gossanous, brecciated, silicified chert ('black silica').
FIR 1267	FLOAT	543212	6372285	Quartzite Hill	0.146	2.58	164.5	10.9	149	Gossanous, brecciated, silicified chert ('black silica').
FIR 1240	FLOAT	545319	6365651	Eurimbla	0.075	3.52	768	3570	2480	Gossanous breccia, with qtz vein clasts.
FIR 1241	FLOAT	545321	6365653	Eurimbla	0.004	1.68	544	4140	2920	Gossanous breccia, with qtz vein clasts.
FIR 1242	FLOAT	545315	6365646	Eurimbla	0.001	5.92	2750	363	1140	Gossanous breccia.
FIR 1248	FLOAT	545015	6365488	Eurimbla	0.006	1.68	240	1265	962	Gossanous, qtz vein, breccia.
FIR 1249	FLOAT	545017	6365490	Eurimbla	0.005	1.12	873	455	2160	Gossanous, qtz vein, breccia.
FIR1288	MULL	544980	6365865	Eurimbla	0.109	0.2	98.2	4.1	16	Hematite-goethite-Mn oxide rich, ironstone, with boxwork textures.
FIR1290	MULL	544984	6365869	Eurimbla	0.103	0.18	121	3.3	11	Qtz-lim veined, silica-limonite altered rock.
FIR1292	FLOAT	545033	6365833	Eurimbla	0.002	8.28	3780	50	753	Gossanous breccia.
FIR1293	FLOAT	545035	6365835	Eurimbla	0.001	2.61	1550	17.4	536	Gossanous breccia.
FIR1294	FLOAT	545035	6365848	Eurimbla	0.001	1.33	198	248	82	Gossanous breccia.
FIR1295	FLOAT	545037	6365850	Eurimbla	0.001	2.21	217	238	101	Gossanous breccia.
FIR1296	FLOAT	545037	6365871	Eurimbla	0.005	3.06	351	264	127	Gossanous breccia.
FIR 1252	PILE	545700	6366793	Eclipse	0.688	0.54	119.5	20.7	28	Quartz-hematite vein.
FIR 1254	PILE	545704	6366797	Eclipse	0.452	0.31	183.5	21	25	Silica-hematite alt, quartz-feldspar porphyry, with qtz-hem vlt.
FIR 1258	FLOAT	546684	6367287	Eclipse	0.031	5.64	2210	571	43	Qtz-Lim-Mn oxide vein.
FIR 1259	FLOAT	546686	6367289	Eclipse	0.265	0.22	359	32.8	5	Qtz-lim vein, with lim boxworks after sulphide.
FIR 1260	FLOAT	546694	6367296	Eclipse	0.508	0.65	194	10.8	5	Banded, LS epithermal qtz vein.
FIR 1263	FLOAT	546180	6367397	Eclipse	0.296	32	1520	4000	50	Gossanous qtz vein breccia.
FIR 1264	FLOAT	546182	6367399	Eclipse	0.368	2.28	1690	235	280	Gossanous qtz vein breccia.
FIR 1265	FLOAT	546239	6367300	Eclipse	0.034	2.81	4690	482	1360	Gossanous qtz vein breccia.
FIR 1282	FLOAT	546481	6367103	Eclipse	0.156	1.79	1970	208	15	Gossan.
FIR 1283	FLOAT	546485	6367106	Eclipse	0.108	0.47	551	14.1	21	Banded, epithermal qtz-lim vein.
FIR 1284	FLOAT	546439	6367104	Eclipse	0.35	1.45	894	13.5	19	Banded, epithermal qtz vein, with pyrite.
FIR 1286	FLOAT	546452	6366797	Eclipse	0.021	0.89	1580	7.9	7	Qtz-hem-fuchsite-mn oxide alt rock, possibly after qtz-fsp porphyry ?
FIR 1287	FLOAT	546756	6366776	Eclipse	0.172	0.11	87.4	13.8	66	Goethite vlt & alt 'patches', after sulphide in siltstone.
FIR1209	FLOAT	538139	6363194	Carlisle	1.14	0.45	32.4	8.8	20	Brecciated chert, with disseminated pyrite & goe boxwork textures.
FIR1213	FLOAT	538959	6363641	Carlisle	1.27	0.18	45.5	5.3	129	Brecciated chert, with pyrite bands & pyrite breccia infill.
FIR1303	FLOAT	538139	6363195	Carlisle	0.478	0.29	62.9	14	22	Brecciated quartzite, with dissem. Py & limonite boxwork infill.
FIR1304	FLOAT	538136	6363199	Carlisle	0.236	0.2	122.5	6.7	19	Brecciated quartzite, with dissem. Py & orange limonite (after carbonate?) vuggy infill.
FIR1305	FLOAT	538138	6363198	Carlisle	0.238	0.21	84.1	8.2	17	Qtz vnd, brecciated quartzite, with dissem & vlt py & hem/lim infill.
FIR1306	FLOAT	538140	6363200	Carlisle	0.157	0.18	141.5	5.7	14	Qtz vnd, brecciated quartzite, with dissem & vlt py & hem/lim infill.
FIR1307	FLOAT	538954	6363634	Carlisle	0.269	0.19	102.5	6.5	30	Vuggy qtz-fe/mn oxide veins in quartzite, with dissem. hem/goe after pyrite.
FIR1308	OUTCRO	538936	6363653	Carlisle	0.529	0.13	55.8	2	20	Qtz-lim(after py) vnd, brecciated, quartzite.
FIR1309	OUTCRO	538933	6363654	Carlisle	7.29	0.98	25.6	7.7	23	Qtz-lim (after py), stockwork vnd, fer quartzite.
FIR1310	OUTCRO	538933	6363655	Carlisle	13.7	1.13	15.3	9.2	13	Qtz-lim (after py), stockwork vnd, fer quartzite.
FIR1311	OUTCRO	538934	6363655	Carlisle	7.02	0.62	21.6	6.6	18	Qtz-lim (after py), stockwork vnd, fer quartzite.
FIR1312	PILE	538877	6363600	Carlisle	6.22	0.88	419	42.4	123	Qtz-lim (after py) vnd, fer quartzite, with dissem. goethite boxwork textures after sulphide.

Figure 2: Carlisle Prospect Area – Gold and Copper Target – 6km SW of Sorpresa

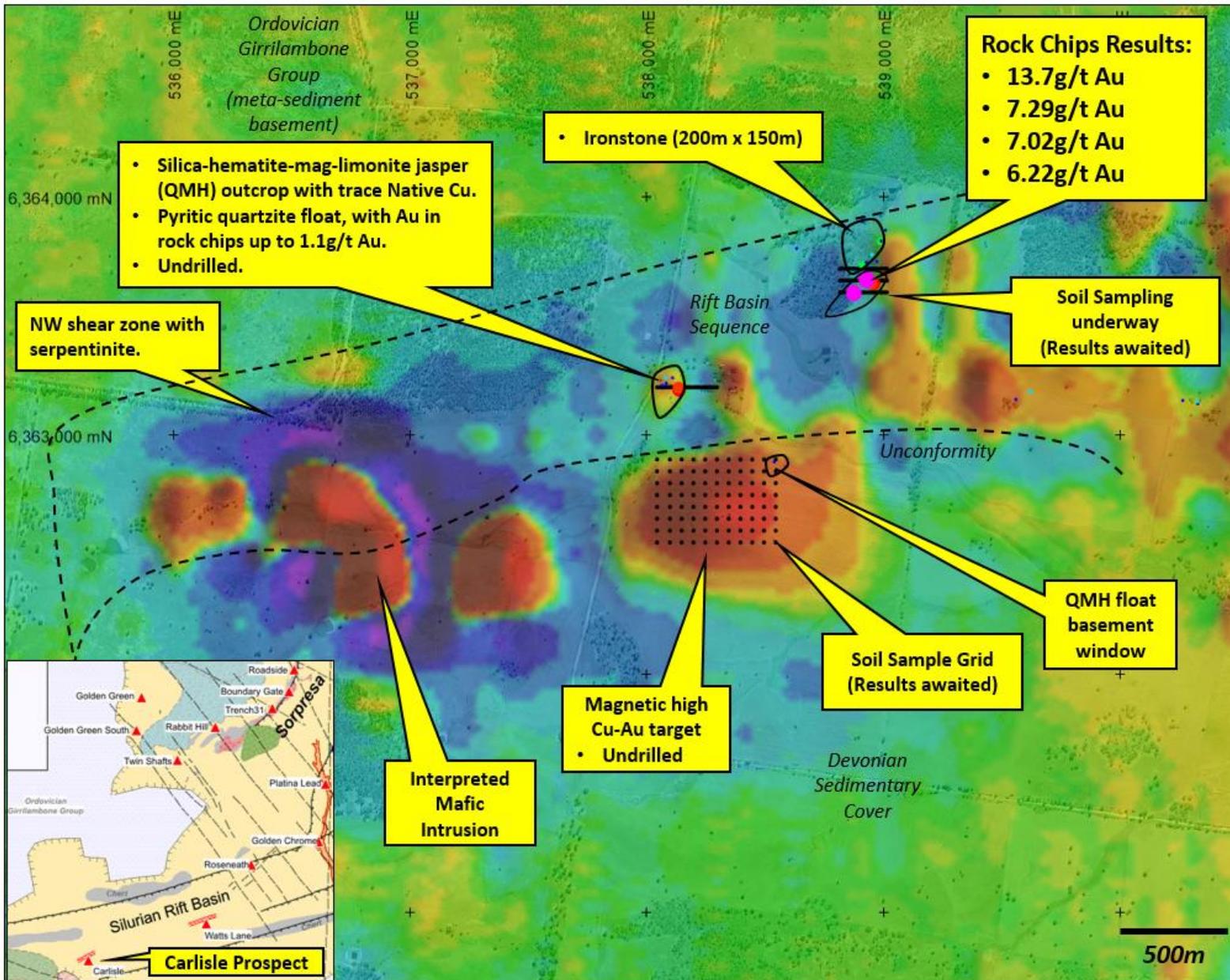
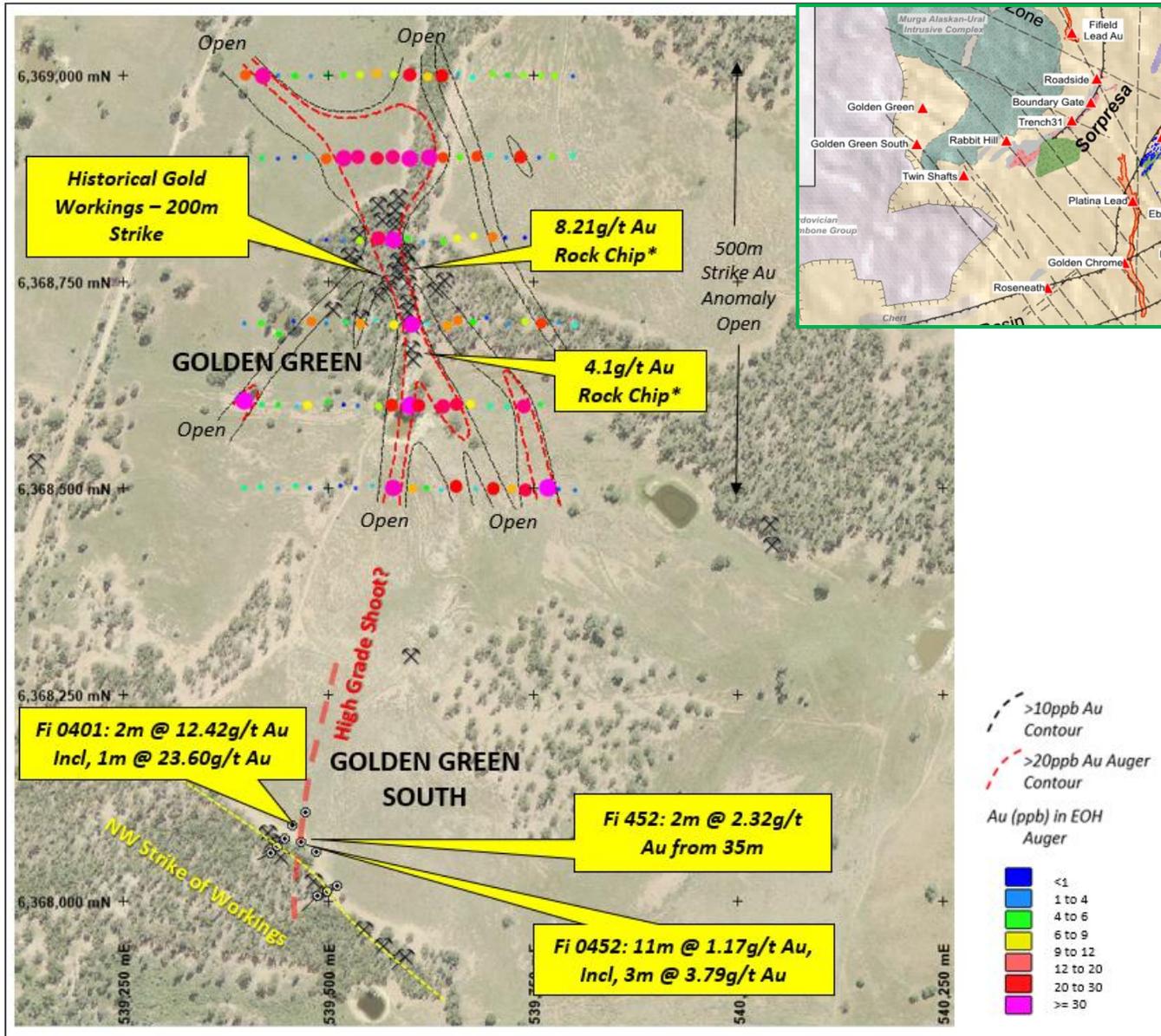


Figure 3: Golden Green and Golden Green South – New Intersection and upgraded Results with Screen Fire Assays



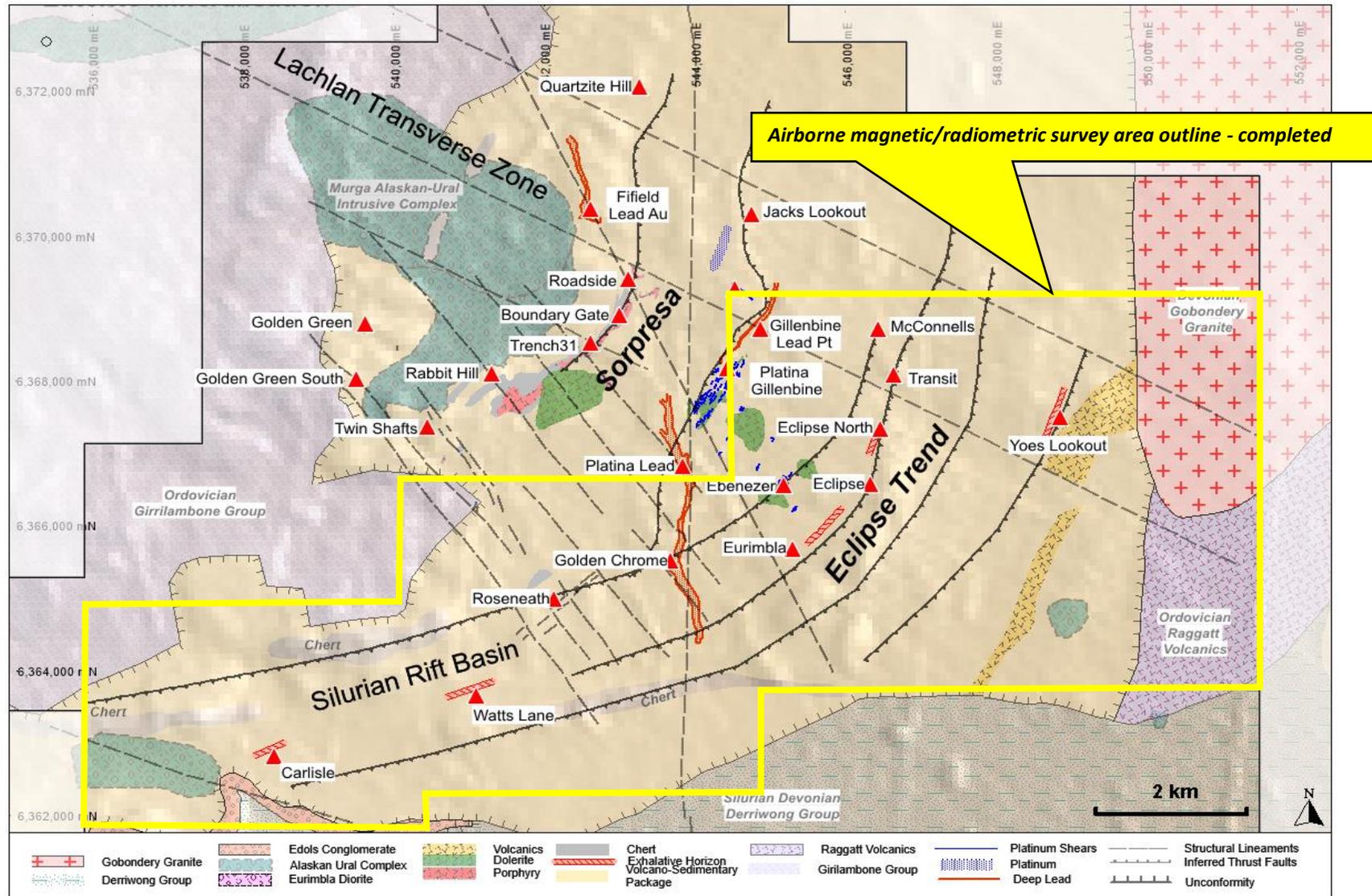
Note: *previously reported result - refer to Table 1

Table 3: Assays for RC Drilling Regional Targets (Golden Green, Twin Shafts and Rabbit Hill) – Includes Screen Fire Assays for Coarser Gold

Hole ID	Easting (m GDA94)	Northing (m GDA94)	Survey Method	RL (mAHD)	Dip (°)	GDA Azimuth (°)	Depth (m)	Drilling Type	Prospect	From (m)	To (m)	Down hole Length (m)	Au (g/t)	Ag (g/t)	Pb (%)	Zn (%)
Fi0401	539458	6368092	DGPS	325	-60	230	81	RC	Golden Green South	26	28	2	0.10	0.2	<0.01	0.02
									initial assay	42	44	2	9.11	0.6	0.05	0.01
Fi0401, 402, 403, 404 and 405 results reported on 16th May 2004									Screen Fire assay	42	44	2	12.42			
New screen Fire Assays highlighted									incl. Screen Fire assay	42	43	1	23.60			
										58	60	2	0.19	0.1	<0.01	0.01
										76	80	4	0.39	0.2	<0.01	0.01
Fi0402	541196	6368138	DGPS	308	-60	90	63	RC	Rabbit Hill	58	60	2	0.31	0.1	<0.01	0.01
Fi0403	541247	6368143	DGPS	306	-60	270	81	RC	Rabbit Hill				NS			
Fi0404	540493	6367538	DGPS	326	-65	228	90	RC	Twin Shafts	66	70	4	0.18	0.1	<0.01	0.01
Fi0405	540460	6367588	DGPS	317	-60	225	83	RC	Twin Shafts initial assay	58	60	2	7.49	1	<0.01	0.01
									Screen Fire assay	58	60	2	9.66			
									incl. Screen Fire assay	58	59	1	15.95			
Fi0406	540449	6367605	DGPS	316	-60	225	90	RC	Twin Shafts	44	48	4	0.33	0.2	<0.01	0.01
										54	59	5	0.17	0.3	<0.01	0.01
Fi0450	539472	6368107	GPS	324	-60	223	99	RC	Golden Green South				NS			
Fi0451	539442	6368106	GPS	324	-58	216.5	84	RC	Golden Green South				NS			
Fi0452	539467	6368072	GPS	324	-58	216.5	99	RC	Golden Green South	26	32	6	0.19	0.1	<0.01	0.01
									Screen Fire assay	35	37	2	2.32			
										72	83	11	1.17	0.1	<0.01	0.01
									incl. Screen Fire assay	75	78	3	3.79	0.3	<0.01	0.01
Fi0453	539365	6368143	GPS	324	-60	235	99	RC	Golden Green South				NS			
Fi0454	539486	6368060	GPS	324	-60	235	99	RC	Golden Green South	14	18	4	0.43	<0.1	<0.01	<0.01
										93	94	1	0.35	<0.1	<0.01	<0.01

Note: Holes Fi0401 to Fi0405 previously reported for Standard Fire Assay – *Only Screen Fire Assay Results are New*. For all other holes, all results are new

Figure 4: Fifield Prospect and Concept Map with Airborne Magnetic/Radiometric Survey Area Shown



Survey of 2,968 line km was completed in July 2014, the results are anticipated to assist drill targeting. Yoes Lookout, Eclipse and Carlisle areas each have important magnetic features spatially adjacent to the gold mineralization currently observed.

Figure 5: Fifield Central Gold Corridor

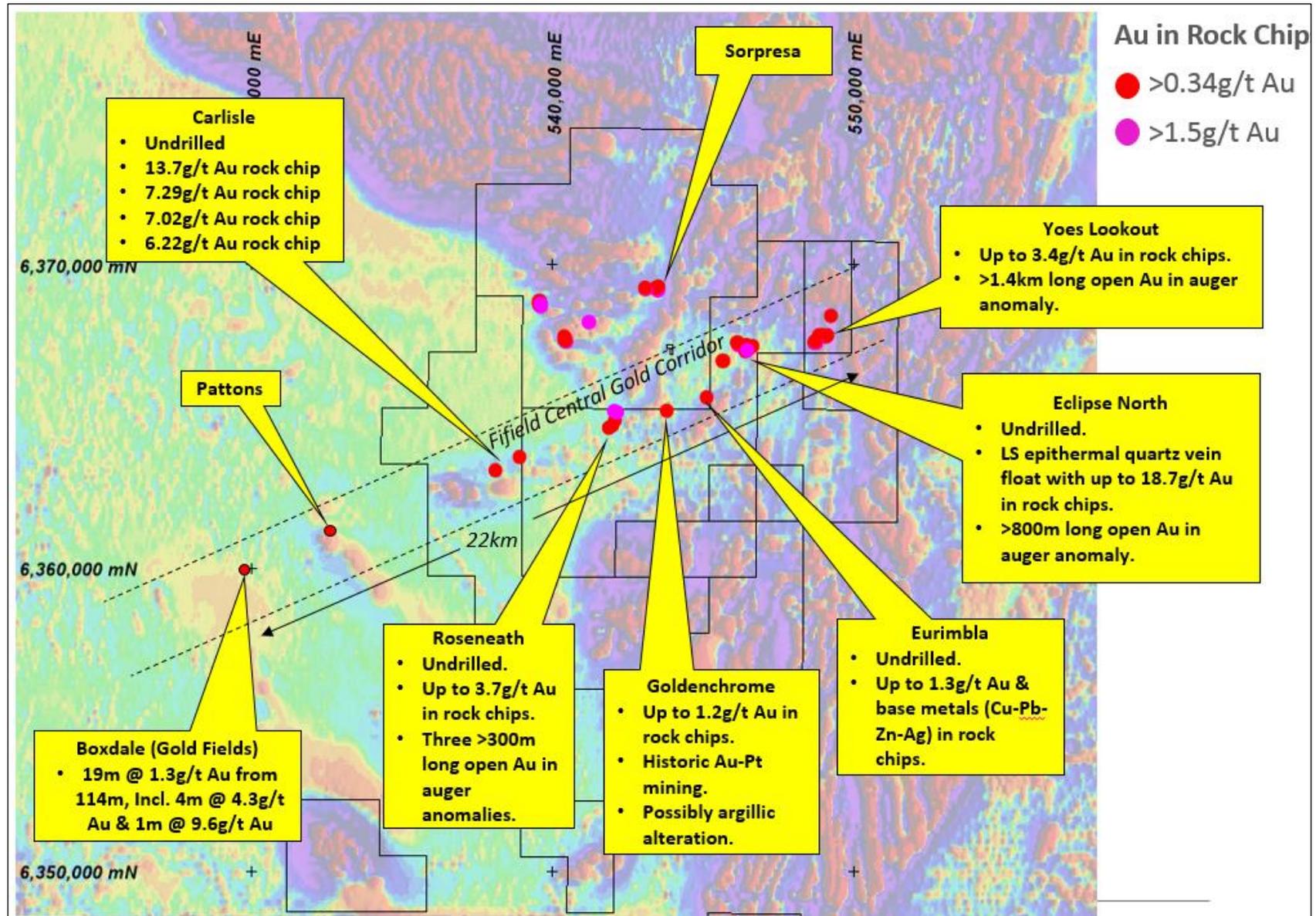


Table 4: JORC Code Reporting Criteria

Section 1 Sampling Techniques and Data

Criteria	JORC Code explanation	Commentary
Sampling techniques	<ul style="list-style-type: none"> Nature and quality of sampling (e.g. 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. 	<p>RC Samples are collected at 1m intervals from the cyclone in plastic bags.</p> <p>RAB Samples are collected at 1m intervals from the cyclone in plastic bags.</p> <p>1 metre intervals are sampled from all Auger holes within in situ weathered basement geology.</p> <p>Nominal 2 kg samples are collected at the drill rig.</p> <p>Rock Chips samples are a mix of float and sub crop (identified in results table).</p>
	<ul style="list-style-type: none"> Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used. 	<p>Industry standard QAQC protocols with insertion of certified reference samples, blank samples and field duplicates are included every 50, 51 and 52nd sample respectively.</p>
	<ul style="list-style-type: none"> Aspects of the determination of mineralisation that are Material to the Public Report. In cases where 'industry standard' work has been done this would be relatively simple (e.g. '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 (e.g. submarine nodules) may warrant disclosure of detailed information. 	<p>RC Hole collars are surveyed using a Garmin GPS, and Trimble DGPS. Downhole surveying in RC hole is conducted every 20m open hole, and where required every 50m in-rod using stainless steel rods. All other drill and sample locations are surveyed using Garmin GPS.</p>
Drilling techniques	<ul style="list-style-type: none"> Drill type (e.g. core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (e.g. 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, etc). 	<p>Reverse Circulation conducted using face sampling hammer (119mm diameter).</p> <p>RAB drilling conducted using blade bit (100mm diameter).</p> <p>Auger drilling conducted by trailer mounted hydraulic driven auger rig with nominal hole diameter of 100mm.</p>

Criteria	JORC Code explanation	Commentary
Drill sample recovery	· Method of recording and assessing core and chip sample recoveries and results assessed.	Poor sample recoveries are noted during logging with percentage estimates. These are compared to results.
	· Measures taken to maximise sample recovery and ensure representative nature of the samples.	RC samples are visually checked for recovery, moisture and contamination. A cyclone and riffle splitter (for RC) are used to provide a uniform sample and these are routinely cleaned. The hole is blown out at the beginning of each rod to remove excess water, plus auto-blow downs, to maintain dry sample. Auger and RAB samples are visually checked for recovery and up hole contamination. Auger and RAB drilling not conducted below the water table.
	· 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.	In RC drilling occasional poor sample recovery and also wet samples occur however close examination and comparison to results showed that there is no identifiable bias in the results associated with these samples.
Logging	· Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.	Geological logging of drill chips records colour, grainsize, lithology, alteration, mineralisation and veining including percentage estimates along with moisture content. Drill samples are sieved, logged and placed into chip trays.
	· Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.	Geological logging of drill chips is qualitative by nature, drill chip trays are retained for future reference.
	· The total length and percentage of the relevant intersections logged.	All metres drilled are logged
Sub-sampling techniques and sample preparation	· If core, whether cut or sawn and whether quarter, half or all core taken.	No core reported in this release

Criteria	JORC Code explanation	Commentary
Sub-sampling techniques and sample preparation continued.	· If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.	Reported RC results have been riffle split. Lower priority RC intervals are speared samples and if found to be anomalous will be subsequently riffle split and re-assayed. Wet samples are not put through riffle splitter but homogenized and subsampled using small spear. Sample returned from 1 metre RAB interval is homogenized and speared and composited and maximum composite interval within significant intersection is provided with result. Sample returned from 1 metre auger interval is homogenized in collection tray and speared. All RAB and Auger samples were dry. Rock Chips are sawn in half with half submitted for analysis.
	· For all sample types, the nature, quality and appropriateness of the sample preparation technique.	Sub-samples obtained from riffle splitting are submitted as 1m intervals or composited to 2m (equal weights) to produce a bulk 2kg sample, subsamples of occasional wet metres are composited similarly. Lower priority zones are speared and composited on 4m intervals. The homogenization and spearing method is typical for sampling RAB and auger returns and QAQC results identify that the methods used are appropriate to the style of mineralisation.
	Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.	Industry standard QAQC protocols with insertion of certified reference samples, blank samples and field duplicates are included every 50, 51 and 52nd sample respectively. No wet samples are put through the riffle splitter which is checked between samples and cleaned (when necessary) between samples. Equal weights (estimated from equal volumes) are collected for composited intervals.
	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.	QAQC results of field duplicate analysis identify that the methods used are appropriate to the style of mineralisation.
	· Whether sample sizes are appropriate to the grain size of the material being sampled.	QAQC results of field duplicate analysis identify that the methods used are appropriate to the style of mineralisation.

Criteria	JORC Code explanation	Commentary
Quality of assay data and laboratory tests	<ul style="list-style-type: none"> The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total. 	<p>Reported RC samples are dispatched to ALS Laboratories with Au determined by Au_AA26 and Screen fire assay method Au_SCR22AA (for selected intervals) to 0.01 ppm. Full suite multi-element analysis are via Four Acid Digest methods ME-MS61 (<100g/t Ag, <1% Pb and <1% Zn) and Ag-OG62 (>100g/t Ag), Pb-OG62 (>1%Pb), Zn-OG62 (>1%Zn).</p> <p>RAB and Auger samples are dispatched to ALS Laboratories with Au determined by fire assay methods Au-AA22 (or PGM-ICP24) which returns Au to 2ppb (or 1 ppb) respectively, PGM-ICP24 includes Pt to 5 ppb and Pd to 1 ppb on a 50g charge. Selected auger samples were also submitted for full suite multi-element analysis are via Four Acid Digest method ME-MS61.</p> <p>Rock chip samples are submitted to ALS Laboratories for Au via Fire Assay method Au-AA22 to 2 ppb and full suite multi-element analysis are via Four Acid Digest method ME-MS61.</p> <p>Fire Assay analysis for gold and Four Acid digest for multielement analysis are considered as total techniques in the absence of coarse metal. Screen Fire Assay for gold is considered as total technique when coarse gold is present.</p>
	<ul style="list-style-type: none"> For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc. 	<p>All significant results reported from NATA accredited laboratory.</p> <p>Handheld XRF (Olympus Delta50) is used to determine sample type i.e. 1m riffle split or composite. All data is collected using a 30 seconds reading time for each of the 3 beams in soil mode.</p>
	<ul style="list-style-type: none"> Nature of quality control procedures adopted (e.g. standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e. lack of bias) and precision have been established. 	<p>Reviews of internal QAQC results has shown that the field sampling, riffle splitting compositing methods used are appropriate to the mineralisation being tested. External laboratory analysis of "umpire" samples is currently being arranged.</p>

Criteria	JORC Code explanation	Commentary
Verification of sampling and assaying	· The verification of significant intersections by either independent or alternative company personnel.	All reported intersections are independently reviewed by 2 company personnel
	· The use of twinned holes.	No holes have been twinned at this stage.
	· Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.	Primary field data is captured electronically using established templates. Assay data from laboratory is merged and loaded into Access based database after passing QAQC checks. Database audit of loaded batches is conducted on a monthly basis.
	· Discuss any adjustment to assay data.	"<" values are converted into "- " values and for geochemical analysis results returning less than detection are ascribed to half the detection limit.
Location of data points	· 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.	Drill collars are located using handheld Garmin GPS and are RC collars are picked up by a Trimble Differential GPS. Downhole digital multi-shot surveys are conducted every 20m, open hole where practical, or in stainless steel rods every 50m.
	Specification of the grid system used.	GDA94 zone55
	· Quality and adequacy of topographic control.	Collar elevation data from digital terrain model derived from detailed ground gravity survey DGPS data used as an interim measure prior to DGPS pick up of collar location. Other elevation data sourced from handheld GPS.
Data spacing and distribution	· Data spacing for reporting of Exploration Results.	RC Exploration currently on nominal 80 X 40m grid down to 40 X 40m grid and then down to 20 X 20m grid. RAB exploration conducted on traverses with coverage on 60 ° dipping holes. Auger exploration currently on a nominal 100 X 20m grid. Rock Chip samples not on a defined grid pattern.

Criteria	JORC Code explanation	Commentary
Data spacing and distribution continued.	· 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.	The nominal RC exploration grid is deemed adequate to identify mineralisation envelopes which are infilled as appropriate. The RAB hole spacing and nominal auger exploration grid are deemed most suitable to identify mineralisation at a scale of interest to the company. This is adequate to establish continuity in this environment however closer spaced drilling may be warranted in certain locations for further definition.
	· Whether sample compositing has been applied.	Compositing conducted at 2 and 4 meter intervals in RAB and RC samples. Equal weights from each 1 meter interval are used to ensure that the composite adequately represents the intervals sampled. The equal weights are estimated from equal volume measure used when subsampling. Auger samples are taken on 1 metre intervals.
Orientation of data in relation to geological structure	· Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.	Current observations do not suggest a bias in sampling from the drilling orientation.
	· 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.	The drilling orientation is designed to intercept the mineralisation orthogonally where known.
Sample security	· The measures taken to ensure sample security.	Sample identification is independent of hole identification. Samples are stored in a secure on- site location, under supervision and transported to ALS Orange NSW via Rimfire personnel or licensed couriers.
Audits or reviews	· The results of any audits or reviews of sampling techniques and data.	Internal reviews of QAQC data has shown that the field sampling, riffle splitting and compositing methods used are appropriate to the mineralisation being tested.

Section 2 Reporting of Exploration Results

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	· 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.	Reported results all from 100% Rimfire Pacific Mining NL tenements at Fifield NSW, which may include EL5534, EL6241, EL7058, EL7959, EL5565, MC(L)305, MC(L)306. All samples were taken on Private Freehold and / or Common Land (prescribed for mining). No native title exists. The land is used primarily for grazing and cropping.
	· The security of the tenure held at the time of reporting along with any known impediments to obtaining a license to operate in the area.	The tenement is in good standing, and all work is conducted under specific approvals from NSW Trade and Investment, Mineral Resources.
Exploration done by other parties	· Acknowledgment and appraisal of exploration by other parties.	Recent systematic exploration (1980 onwards) has been conducted by Ausplat Minerals NL in JV with Golden Shamrock Mines Ltd and Mount Gipps Ltd, Titan Resources and also Helix Resources and Black Range Minerals NL. Prior to this Exploration for various metals in the Fifield area has been conducted by a number of companies since the late 1960's including Anaconda, CRA Exploration Pty Ltd, Platina Developments NL, Mines Search Pty Ltd, Broken Hill Proprietary Company Ltd, Mt Hope Minerals and Shell.
Geology	· Deposit type, geological setting and style of mineralisation.	The mineralisation currently being pursued at Sorpresa appears to have many similarities with typical carbonate base metal epithermal gold style, in a Siluro Devonian back arc basin setting. Other mineralisation styles include sediment and greenstone hosted orogenic gold and VMS.
Drill hole Information	· 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:	Plans showing location of drill holes and also location of significant results and interpreted trends are provided in the figures of report.
	· easting and northing of the drill hole collar	Any new significant RC results are provided in tables within the report.
	· elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar	Any new significant RAB results are provided in tables in within the report.

Criteria	JORC Code explanation	Commentary
Drill hole Information Continued.	dip and azimuth of the hole	Any new significant rock chip results are provided in tables within the report.
	down hole length and interception depth	Any new significant Auger results are provided in figures within the report.
	· 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.	Information is provided in significant results tables.
Data aggregation methods	· In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g. cutting of high grades) and cut-off grades are usually Material and should be stated.	No averaging or cut-off values are applied to auger or rock chip results. Only significant RAB results >0.1g/t Au are reported using thickness weighted average for intervals with < or = 2m internal dilution. For RC results thickness weighted averages are reported for all intervals. Reported intervals are calculated using $\geq 0.1\text{g/t Au}$ and or $\geq 10\text{g/t Ag}$ cut off and $\leq 2\text{m}$ Internal Dilution.
	· 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.	High grade intervals within in larger intersections are reported as included intervals and noted in results table. Aggregation utilises thickness weighted mean calculations.
	· The assumptions used for any reporting of metal equivalent values should be clearly stated.	Metal equivalents are not reported.
Relationship between mineralisation widths and intercept lengths	· These relationships are particularly important in the reporting of Exploration Results.	Drill holes are designed to intersect the plane of mineralisation (where this is known) at 90° so that reported intersections represent true thickness.
	· If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported. If it is not known	All intersections are subsequently presented as downhole lengths. If down hole length varies significantly from known true width then appropriate notes are provided.

Criteria	JORC Code explanation	Commentary
Diagrams	<ul style="list-style-type: none"> 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. 	Refer to Figures
Balanced reporting	<ul style="list-style-type: none"> 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. 	This information is provided in results Table.
Other substantive exploration data	<ul style="list-style-type: none"> 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. 	There is currently no other substantive exploration data that is meaningful and material to report.
Further work	<ul style="list-style-type: none"> The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling). 	Further work is discussed in the document in relation to the exploration results.
	<ul style="list-style-type: none"> Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive. 	Refer to Figures

[Appendix 1 - Sorpresa Project Information Thread](#)

Sorpresa Project Information Thread

The Company provides a selected **hyperlink thread** of the Sorpresa Gold Mineralization area with materials relevant to the reader reported under the 2004 JORC code reporting requirements, and materials reported under the **2012 JORC code from 1st December 2013** to the current date. The thread provides important views previously expressed, that will assist the reader with understanding the Company's technical consideration and historic perspective for the work undertaken. Views expressed at the time of each report are reflective of the circumstances and data available at that time and views may have been subsequently modified with additional information received in later periods:

1. ASX June 18th 2014 [Yoes Regional Gold Anomaly Extends to 1.4km – Geophysical Survey Conducted](#)
2. ASX May 30th 2014 [Drilling Update - 3D Exploration Model for Sorpresa Project - 2m @ 7.49g/t Gold intersected](#)
3. ASX May 20th 2014 [Presentation to Melbourne Mining Club 20th May 2014](#)
4. ASX May 16th 2014 [4,000m RC Drilling Program at Sorpresa Project - Regional Intersection 2m @ 9.11g/t Gold](#)
5. ASX April 30th 2014 [Quarterly Activities Report to 31 March 2014](#)
6. ASX March 20th 2014 [Wider Sorpresa Regional Exploration Makes Advances - Gold Potential Extends at Fifield](#)
7. ASX February 14th 2014 [Gold Intersections Confirm New Extension at Sorpresa Project Fifield NSW](#)
8. ASX January 31st 2014 [Quarterly Exploration and Activities Report for the December 2013 Period](#)
9. ASX December 20th 2013 [High Grade Silver extensions continue at Roadside](#)
10. ASX December 6th 2013 [Excellent Preliminary Metallurgy Results at Sorpresa Project](#)
11. ASX November 22nd 2013 [Exploration Presentation AGM 2013](#)
12. ASX November 20th 2013 [Sorpresa Project Drilling Continues](#)
13. ASX October 31st 2013 [September 2013 Quarterly Report of Exploration Activities](#)
14. ASX October 21st 2013 [Results Confirm Extension of Gold and Silver at Sorpresa Project](#)
15. ASX July 31st 2013 [Exploration Report June 2103 Quarter](#)
16. ASX July 17th 2013 [Diamond Drilling Reveals Bonanza Grade of 1m @ 114g/t Au](#)
17. ASX June 13th 2013 [Further Positive RC Drilling Results at Sorpresa Project](#)
18. ASX May 23rd 2013 [Diamond and RC Drilling Completed, RAB Drilling Extended](#)
19. ASX April 26th 2013 [Mineralized Zones Intersected in Diamond Drilling](#)
20. ASX April 12th 2013 [RAB Drilling program Commences at Sorpresa](#)
21. ASX April 5th 2013 [Diamond Drilling and RC Drilling Commences at Sorpresa Gold Project](#)
22. ASX March 27th 2013 [Additional Assays at Sorpresa Gold Project](#)
23. ASX March 13th 2013 [Sorpresa Gravity Geophysical Survey Commences](#)
24. ASX February 19th 2013 [Continuous 350m Section Established at Roadside Area & New Gold Zone Intersected](#)
25. ASX January 31st 2013 [Quarterly Exploration Activities December 2012](#)

26. ASX December 18th 2012 [Sorpres Project Produces More Encouraging Results](#)
27. ASX November 22nd 2012 [Presentation for 2012 AGM](#)
28. ASX November 5th 2012 [Best Silver Grades to Date Seen at Sorpresa Project Area](#)
29. ASX October 10th 2012 [Highest Gold and Silver Grades seen to date at Sorpresa Project](#)
30. ASX September 17th 2012 [First Gold Sections Created at Sorpresa Project – New Assay Results](#)
31. ASX August 31st 2012 [New Gold in Soil Zones Located 4km South of Sorpresa](#)
32. ASX July 31st 2012 [Quarterly Exploration Activities June 2012](#)
33. ASX July 26th 2012 [Successful Intersections at Sorpresa Gold Project](#)
34. ASX June 13th 2012 [High Grade Gold Intersection Sorpresa Project – Fifield NSW](#)
35. ASX May 28th 2012 [Sorpresa Gold Project has Increased Potential at Depth](#)
A video link is provided to a [3D model of the IP Anomaly at Sorpresa \(click here\)](#).
36. ASX April 30th 2012 [Quarterly Exploration Activities March 2012](#)
37. ASX January 31st 2012 ([Quarterly Exploration Activities December 2011](#))
38. A video link is provided [January 2012 Sorpresa Gold Project – Trench 31 Area Review Video](#)
39. ASX 28th November 2011 [AGM Exploration Presentation – Including Key Summary Assay results of Sorpresa](#)
40. Rimfire Website Summary [Brief history of Sorpresa Mineralization discovery and style \(to September 2011\)](#)
41. ASX 6th July 2011 [Assays Confirm Significant Gold and Silver at Sorpresa Project](#)