



**ASX /MEDIA ANNOUNCEMENT**

24 May 2011

**Wiluna West Hematite Project - Iron Resource Update**

Golden West Resources ("GWR") have recently completed a resource upgrade for the Wiluna West Hematite Project, on the Bowerbird Central, Bowerbird South, C3 and C4 deposits (Tables 1 & 2). A Declaration and Statement of Consent from our resource consultants Optiro is attached to this announcement.

The key outcomes from the upgrade are:

- A 50% increase in the Measured and Indicated categories to 75.1Mt
- An increase in the overall quality of the deposit with the Measured and Indicated Resource grade now being 60.2% Fe
- A high quality resource as measured by a low level of contaminants with the combined key contaminants SiO<sub>2</sub> and Al<sub>2</sub>O<sub>3</sub> now 9.5% and 0.06% P

The results of the resource upgrade are a testament to the high quality of the Wiluna West Hematite Project. The global Resource is now estimated at 127.2Mt @ 60.2% Fe. Approximately 60% of the global Resource is now in the Measured and Indicated categories.

The update has been achieved from an extensive infill drilling program undertaken over the last 12 months. Mr David Sanders, GWR's Chairman commented: 'GWR is delighted with the upgrade of our flagship Hematite Project, the high conversion rate from Inferred to Indicated and the improvement in the overall quality of our resource. Our Project is an outstanding valuable asset and with various initiatives we are undertaking we look forward to moving towards production'.

GWR now intends to complete an inaugural Reserve Statement.

**Table 1**

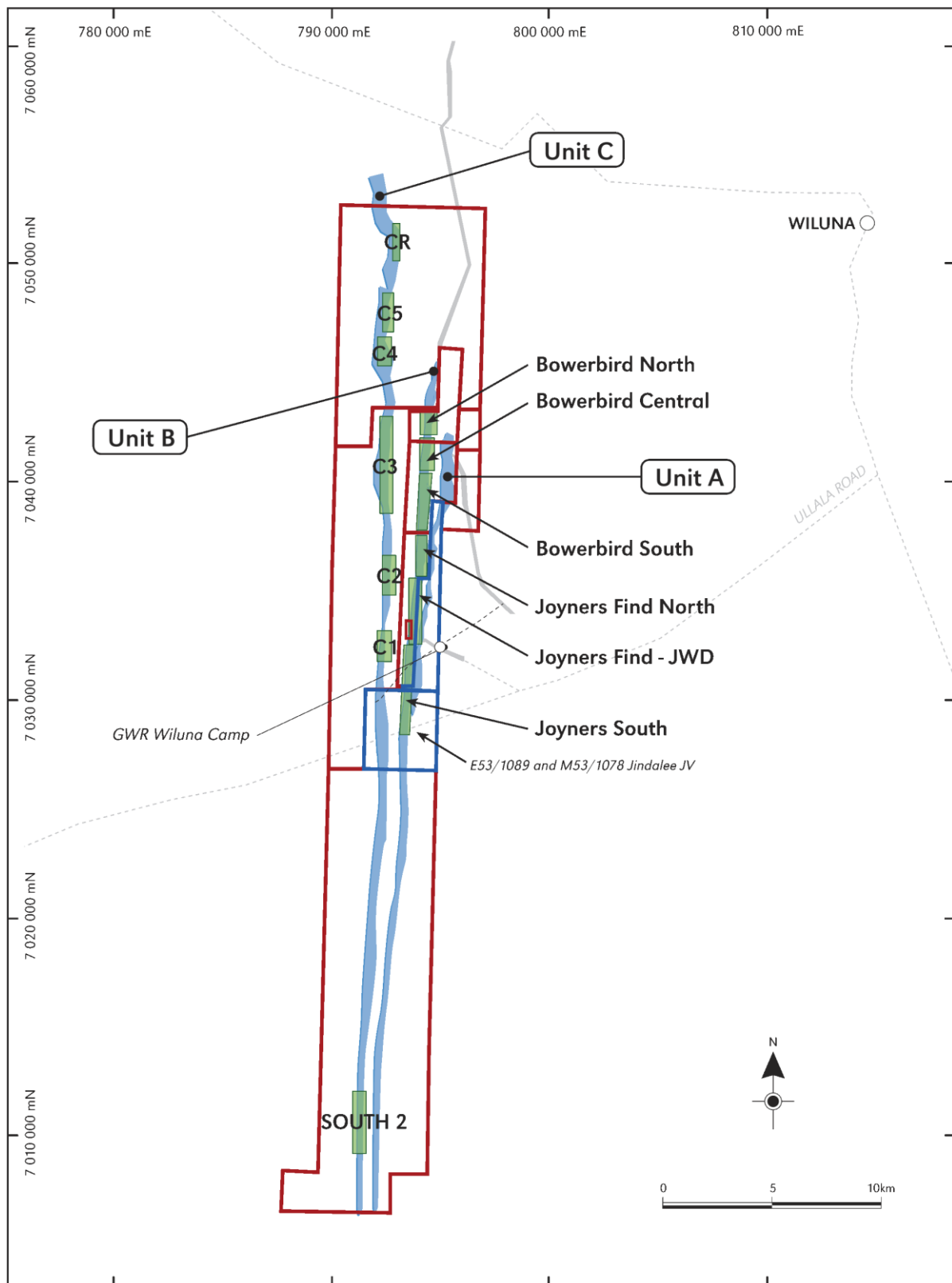
Golden West Resources Limited Wiluna West Hematite Project May 2011 Mineral Resource Update Reported above a 50% cut-off						
Classification	Tonnes (Mt)	Fe %	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	LOI %	P %
Measured	3.7	59.9	7.4	2.5	4.0	0.09
Indicated	71.4	60.5	7.1	2.3	3.6	0.06
Inferred	52.1	59.8	6.9	2.5	3.9	0.05
Total	127.2	60.2	7.1	2.4	3.7	0.06

Table 2

<b>Golden West Resources Limited</b> <b>Wiluna West Hematite Project May 2011 Mineral Resource Update</b> <b>Reported above a 50% cut-off</b>								
Classification	Deposit	Calc	Tonnes (Mt)	Fe %	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	LOI %	P %
Measured	BOWERBIRD CENTRAL	Optiro 2011	1.20	63.17	5.04	2.64	1.57	0.040
	C3	Optiro 2011	2.50	58.38	8.46	2.39	5.14	0.107
	<b>TOTAL</b>		<b>3.70</b>	<b>59.90</b>	<b>7.40</b>	<b>2.50</b>	<b>4.00</b>	<b>0.09</b>
Indicated	BOWERBIRD CENTRAL	Optiro 2011	5.00	61.27	6.33	3.00	2.50	0.055
	BOWERBIRD SOUTH	Optiro 2011	7.90	62.16	5.36	2.54	2.74	0.057
	JOYNERS FIND- JWD	Optiro 2010	6.30	64.49	2.63	1.61	2.68	0.030
	JINDALEE JOYNERS	Optiro 2010	3.30	63.61	4.27	2.05	1.83	0.036
	C3	Optiro 2011	30.40	58.47	8.35	2.39	5.22	0.076
	C4	Optiro 2011	18.50	61.17	8.08	1.97	2.22	0.034
	<b>TOTAL</b>		<b>71.40</b>	<b>60.50</b>	<b>7.10</b>	<b>2.30</b>	<b>3.60</b>	<b>0.060</b>
Inferred	BOWERBIRD NTH NTH	GWR 2009	2.58	60.84	5.19	2.19	3.64	0.050
	BOWERBIRD NTH	Snowden 2008	3.90	59.70	6.50	3.80	2.60	0.040
	BOWERBIRD CENTRAL	Optiro 2011	0.60	60.75	6.51	3.33	2.84	0.048
	BOWERBIRD SOUTH	Optiro 2011	7.60	61.33	5.57	2.50	2.41	0.036
	JOYNERS FIND- JWD	Optiro 2010	4.50	63.65	3.04	1.51	2.55	0.034
	JINDALEE JOYNERS	Optiro 2010	3.90	62.47	4.81	2.12	2.16	0.057
	C1	Snowden 2007	4.20	58.50	7.20	3.30	5.20	0.088
	C2	GWR 2009	6.76	58.52	6.89	2.86	6.25	0.036
	C3	Optiro 2011	4.40	56.70	8.97	3.25	6.13	0.069
	C4	Optiro 2011	3.10	58.00	10.30	2.85	3.60	0.035
	C5	Snowden 2007	4.40	59.10	8.90	2.10	3.80	0.035
	CR	Snowden 2007	4.00	60.60	9.30	1.40	1.70	0.030
	South 2	Snowden 2008	2.20	56.20	9.10	2.03	7.80	0.077
	<b>TOTAL</b>		<b>52.10</b>	<b>59.80</b>	<b>6.90</b>	<b>2.50</b>	<b>3.90</b>	<b>0.05</b>
Deposit Totals	BOWERBIRD NTH NTH	GWR 2009	2.58	60.84	5.19	2.19	3.64	0.050
	BOWERBIRD NTH	Snowden 2008	3.90	59.70	6.50	3.80	2.60	0.040
	BOWERBIRD CENTRAL	Optiro 2011	6.80	61.56	6.12	2.97	2.37	0.052
	BOWERBIRD SOUTH	Optiro 2011	15.50	61.75	5.95	2.52	2.58	0.047
	JOYNERS FIND- JWD	Optiro 2010	10.80	64.14	2.80	1.57	2.63	0.032
	JINDALEE JOYNERS	Optiro 2010	7.20	62.99	4.57	2.09	2.01	0.047
	C1	Snowden 2007	4.20	58.50	7.20	3.30	5.20	0.088
	C2	GWR 2009	6.76	58.52	6.89	2.86	6.25	0.036
	C3	Optiro 2011	37.30	58.26	8.43	2.49	5.32	0.077
	C4	Optiro 2011	21.60	60.72	8.40	2.09	2.42	0.034
	C5	Snowden 2007	4.40	59.10	8.90	2.10	3.80	0.118
	CR	Snowden 2007	4.00	60.60	9.30	1.40	1.70	0.030
	South 2	Snowden 2008	2.20	56.20	9.10	2.03	7.80	0.077
	<b>Grand Total</b>		<b>127.20</b>	<b>60.20</b>	<b>7.10</b>	<b>2.40</b>	<b>3.70</b>	<b>0.060</b>

**Figure 1**

**Project geology - Iron ore occurrences**



**Competent Persons Statement**

*The information in this report which relates to Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Mr Allen Maynard, who is a Member of the Australian Institute of Geosciences ("AIG"), a Corporate Member of the Australasian Institute of Mining & Metallurgy ("AusIMM") and independent consultant to the Company. Mr Maynard is the Director and principal of Al Maynard & Associates Pty Ltd and has over 30 years of exploration and mining experience in a variety of mineral deposit styles. Mr Maynard has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the "Australasian Code for reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Maynard consents to inclusion in the report of the matters based on his information in the form and context in which it appears.*

- ENDS -

**Please direct enquiries to:**

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23 May 2011

Our Ref: J\_1161\_G

Michael Wilson  
Executive Director  
Golden West Resources Limited  
Suite 2, 138 Main Street  
Osborne Park, WA 6017

Dear Michael

### **OPTIRO DECLARATION AND STATEMENT OF CONSENT**

Optiro Pty Ltd (Optiro) declares that the tabulation of Mineral Resources presented by Optiro for Golden West Resources Limited's (GWR) Wiluna West Project has been prepared in accordance with the Australasian Code for Reporting of Identified Mineral Resources and Ore Reserves, 2004 (the JORC Code). Optiro consents to being named in any ASX and Media Release and to the inclusion in ASX and Media Releases of a reference to an updated resource statement prepared by Optiro subject to and conditional upon an express statement appearing in the ASX and Media Release in substantially the same form as the following:

The Wiluna West project covers a 45 km strike length of the Joyners Find Greenstone Belt near the northern margin of the Yilgarn Craton. The Joyners Find Greenstone Belt is a narrow (5 km to 10 km) north-south striking sequence comprising prominent ridges (in the central and eastern portion) of banded iron formation (BIF) intercalated with mafic and ultramafic schists containing minor chert and clastic sediment horizons (Figure 1).

The majority of the units within the Joyners Find Greenstone Belt are north to north-northwesterly trending, sub-vertical to steep westerly dipping. Folds developed during the D2 deformation event are observed in the BIF ridges as tight to isoclinal structure oriented north-south with west dipping axial planes. The BIF ridges are variably deformed and intensely folded.

Two regional dextral shear zones are recognised; the Joyners Find Shear Zone (JSZ) strikes to the north through the centre of the belt and is parallel to the lithological strike, and the Brilliant Shear Zone (BSZ) which is oriented north-northwest (10° to the lithological strike).

High grade hematite mineralisation occurs within two main BIF ridges (Units B and C) with grade occurrences of up to 69% Fe. Iron mineralisation occurs within BIF's surrounded by interbedded mafic and ultramafic schist units. Unit B and Unit C have been drill tested by GWR for hematite mineralisation. The two main ridges have distinctive mineralisation styles, with B ridge showing a much lower proportion of remnant bedding and a higher portion of hematite, especially in the top 20 m. Mineralisation of the B ridge is much more continuous along strike, occurring semi-continuously for over 15 km. The mineralisation on C ridge typically occurs in a series of pods of up to 20 Mt of iron enriched mineralisation separated by poorly or unmineralised BIF. These pods appear to be controlled by structural deformation and are generally confined to the western side of the Formation.

## **OPTIRO DECLARATION AND STATEMENT OF CONSENT**

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Optiro has prepared Mineral Resource estimates for the Bowerbird Central, Bowerbird South, Joyners Find JWD, Joyners Find North, C3 and C4 deposits which comprise part of the Wiluna West deposit (Figure 1). The updated and revised Mineral Resource Estimates have been reported above cut-off grades of 50% Fe cut-off, 55% Fe and 57.5% Fe in the following tabulations. The resources have been classified into Measured, Indicated and Inferred categories according to the 2004 JORC Code based on confidence in the geological and grade continuity of the deposits, as demonstrated by the exploration data and associated quality control protocols.

The Mineral Resource Estimates prepared by Optiro are based on drillhole data and geological interpretations provided by GWR. The recent drillhole data includes significant amounts of downhole survey and downhole bulk density information which was not available during earlier phases of resource estimation. Optiro has undertaken detailed reviews of the exploration drilling and geological interpretation processes in place at GWR and has completed routine reviews of assay related quality assurance and quality control data. Based on these reviews, Optiro considers the drillhole data to be of appropriate quality to participate in the Mineral Resource updates presented in this statement and to support the Mineral Resource categories assigned to the estimates.

Optiro reviewed the geological interpretation whilst compiling the Mineral Resource Estimates and considers the interpretations to fairly represent the drillhole data and surface mapping available for the deposits to an accuracy commensurate with the classifications applied using the guidelines in the 2004 JORC Code.

Optiro has compiled Mineral Resource Estimates using geological domains based on lithology and grade conditions to constrain the limits of mineralised zones. A nominal 50% Fe cut-off grade was used to discriminate the lower grade mineralised zones within the BIF horizons and a nominal grade of 57.5% Fe cut-off grade was used to discriminate the higher grade zones within the BIF horizons.

Grade characteristics for iron and associated contaminants were interpolated using ordinary kriging of one metre reverse circulation down hole samples into block models representing the geometry of the mineralised zones. The reverse circulation sample quality is supported by twinning of selected drillholes by diamond core, which also provides structural information, metallurgical samples and bulk density samples for the calibration of the data obtained from downhole probes. Where possible, bulk density has also been interpolated into the resource models from the calibrated downhole probe data.

The deposits are drilled at various combinations of 200 m, 100 m, 50 m and 25 m east-west orientated section lines. The on-section drillhole spacing varies between 40 m and 20 m and is occasionally as close as 10 m. Close-spaced drilling on a 25 mN by 10 mE grid has been used to test segments of the Bowerbird Central deposit and the C3 deposit. This data supports the Measured Mineral Resource classification assigned to a portion of the tonnage reported for these deposits.

The portions of the deposits classified as Indicated Mineral Resources feature a 100 mN by 40 mE drilling pattern as a minimum combined with demonstrated geological continuity identified in surface mapping of outcrop. Most of the Indicated Mineral Resource is supported by drilling on a 50 mN by 40 mE drilling pattern or better. Extrapolation of the mineralisation along strike is constrained to half the drill section spacing. Down dip extrapolation was confined by a surface that was nominally located 10 to 20 m below the base of drilling.

**OPTIRO DECLARATION AND STATEMENT OF CONSENT**

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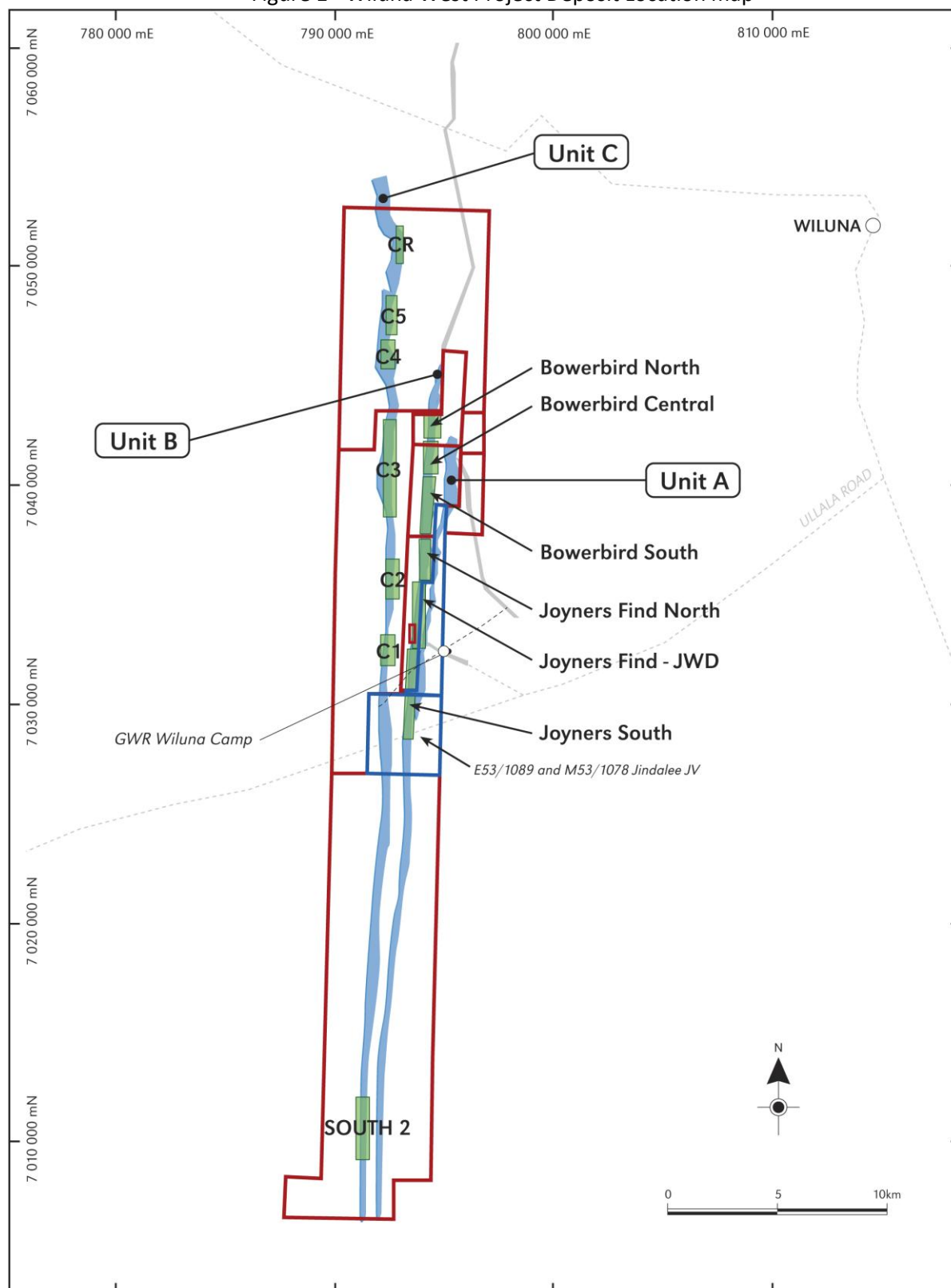
Yours sincerely

**OPTIRO**

A handwritten signature in black ink, appearing to read 'Pl BH'.

Paul Blackney *MAusIMM*  
Principal

Figure 1 - Wiluna West Project Deposit Location map





Golden West Resources Limited							
Wiluna West Project 2011 Mineral Resource Update							
Reported above a 50% Fe cut-off							
Classification	Deposit	Mt	Fe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	LOI	P
Measured	<i>Bowerbird Central</i>	1.2	63.17	5.04	2.64	1.57	0.040
	<i>Bowerbird South</i>						
	C3	2.5	58.38	8.46	2.39	5.14	0.107
	C4						
	<i>Joyners Find - JWD</i>						
	<i>Joyners Find North</i>						
	<b>Total</b>	<b>3.7</b>	<b>59.94</b>	<b>7.35</b>	<b>2.47</b>	<b>3.98</b>	<b>0.085</b>
Indicated	<i>Bowerbird Central</i>	5.0	61.27	6.33	3.00	2.50	0.055
	<i>Bowerbird South</i>	7.9	62.16	5.36	2.54	2.74	0.057
	C3	30.4	58.47	8.35	2.39	5.22	0.076
	C4	18.5	61.17	8.08	1.97	2.22	0.034
	<i>Joyners Find - JWD</i>	6.3	64.49	2.63	1.61	2.68	0.030
	<i>Joyners Find North</i>	3.3	63.61	4.27	2.05	1.83	0.036
	<b>Total</b>	<b>71.4</b>	<b>60.54</b>	<b>7.11</b>	<b>2.25</b>	<b>3.60</b>	<b>0.055</b>
Inferred	<i>Bowerbird Central</i>	0.6	60.75	6.51	3.33	2.84	0.048
	<i>Bowerbird South</i>	7.6	61.33	6.57	2.50	2.41	0.036
	C3	4.4	56.70	8.97	3.25	6.13	0.069
	C4	3.1	58.00	10.30	2.85	3.60	0.035
	<i>Joyners Find - JWD</i>	4.5	63.65	3.04	1.51	2.55	0.034
	<i>Joyners Find North</i>	3.9	62.47	4.81	2.12	2.16	0.057
	<b>Total</b>	<b>24.1</b>	<b>60.66</b>	<b>6.54</b>	<b>2.46</b>	<b>3.24</b>	<b>0.045</b>
Deposit Totals	<i>Bowerbird Central</i>	6.8	61.56	6.12	2.97	2.37	0.052
	<i>Bowerbird South</i>	15.5	61.75	5.95	2.52	2.58	0.047
	C3	37.3	58.26	8.43	2.49	5.32	0.077
	C4	21.6	60.72	8.40	2.09	2.42	0.034
	<i>Joyners Find - JWD</i>	10.8	64.14	2.80	1.57	2.63	0.032
	<i>Joyners Find North</i>	7.2	62.99	4.57	2.09	2.01	0.047
	<b>Grand Total</b>	<b>99.2</b>	<b>60.55</b>	<b>6.98</b>	<b>2.31</b>	<b>3.52</b>	<b>0.054</b>

**Please note:** Italicised text indicates that the resource tonnes and grade tabulated in this table is reported below the nominal Fe cut-off grade utilised to estimate the resource. Where this occurs, the resource tonnes and grade reported are the same as at the nominal cut-off grade used in the resource estimation.

# OPTIRO DECLARATION AND STATEMENT OF CONSENT

Golden West Resources Limited							
Wiluna West Project 2011 Mineral Resource Update							
Reported above a 55% Fe cut-off							
Classification	Deposit	Mt	Fe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	LOI	P
Measured	<i>Bowerbird Central</i>	1.2	63.17	5.04	2.64	1.57	0.040
	<i>Bowerbird South</i>						
	C3	1.9	60.09	6.47	2.19	4.95	0.109
	C4						
	<i>Joyners Find - JWD</i>						
	<i>Joyners Find North</i>						
	<b>Total</b>	<b>3.1</b>	<b>61.28</b>	<b>5.91</b>	<b>2.36</b>	<b>3.64</b>	<b>0.082</b>
Indicated	<i>Bowerbird Central</i>	5.0	61.27	6.33	3.00	2.50	0.055
	<i>Bowerbird South</i>	7.9	62.16	5.36	2.54	2.74	0.057
	C3	20.9	60.82	5.96	1.86	4.86	0.075
	C4	17.2	61.89	7.09	1.95	2.23	0.034
	<i>Joyners Find - JWD</i>	6.3	64.49	2.63	1.61	2.68	0.030
	<i>Joyners Find North</i>	3.3	63.61	4.27	2.05	1.83	0.036
	<b>Total</b>	<b>60.6</b>	<b>61.87</b>	<b>5.80</b>	<b>2.05</b>	<b>3.25</b>	<b>0.053</b>
Inferred	<i>Bowerbird Central</i>	0.6	60.75	6.51	3.33	2.84	0.048
	<i>Bowerbird South</i>	7.6	61.33	6.57	2.50	2.41	0.036
	C3	2.5	59.28	6.69	2.46	5.64	0.068
	C4	2.3	59.90	8.32	2.50	3.38	0.036
	<i>Joyners Find - JWD</i>	4.5	63.65	3.04	1.51	2.55	0.034
	<i>Joyners Find North</i>	3.9	62.47	4.81	2.12	2.16	0.057
	<b>Total</b>	<b>21.4</b>	<b>61.62</b>	<b>5.71</b>	<b>2.24</b>	<b>2.89</b>	<b>0.043</b>
Deposit Totals	<i>Bowerbird Central</i>	6.8	61.56	6.12	2.97	2.37	0.052
	<i>Bowerbird South</i>	15.5	61.75	5.95	2.52	2.58	0.047
	C3	25.3	60.61	6.07	1.95	4.94	0.077
	C4	19.5	61.66	7.24	2.01	2.37	0.034
	<i>Joyners Find - JWD</i>	10.8	64.14	2.80	1.57	2.63	0.032
	<i>Joyners Find North</i>	7.2	62.99	4.57	2.09	2.01	0.047
	<b>Grand Total</b>	<b>85.1</b>	<b>61.78</b>	<b>5.78</b>	<b>2.11</b>	<b>3.17</b>	<b>0.051</b>

**Please note:** Italicised text indicates that the resource tonnes and grade tabulated in this table is reported below the nominal Fe cut-off grade utilised to estimate the resource. Where this occurs, the resource tonnes and grade reported are the same as at the nominal cut-off grade used in the resource estimation.

Golden West Resources Limited							
Wiluna West Project 2011 Mineral Resource Update							
Reported above a 57.5% Fe cut-off							
Classification	Deposit	Mt	Fe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	LOI	P
Measured	Bowerbird Central	1.2	63.17	5.04	2.64	1.57	0.040
	Bowerbird South						
	C3	1.7	60.54	6.01	2.13	4.82	0.105
	C4						
	Joyners Find - JWD						
	Joyners Find North						
	<b>Total</b>	<b>2.9</b>	<b>61.63</b>	<b>5.61</b>	<b>2.34</b>	<b>3.48</b>	<b>0.078</b>
Indicated	Bowerbird Central	5.0	61.27	6.33	3.00	2.50	0.055
	Bowerbird South	7.9	62.16	5.36	2.54	2.74	0.057
	C3	19.2	61.29	5.46	1.78	4.79	0.075
	C4	16.0	62.28	6.70	1.85	2.17	0.034
	Joyners Find - JWD	6.3	64.49	2.63	1.61	2.68	0.030
	Joyners Find North	3.3	63.61	4.27	2.05	1.83	0.036
	<b>Total</b>	<b>57.7</b>	<b>62.17</b>	<b>5.49</b>	<b>2.01</b>	<b>3.19</b>	<b>0.052</b>
Inferred	Bowerbird Central	0.6	60.75	6.51	3.33	2.84	0.048
	Bowerbird South	7.6	61.33	6.57	2.50	2.41	0.036
	C3	2.1	59.93	5.93	2.36	5.64	0.071
	C4	1.6	61.30	7.81	1.85	2.64	0.039
	Joyners Find - JWD	4.5	63.65	3.04	1.51	2.55	0.034
	Joyners Find North	3.9	62.47	4.81	2.12	2.16	0.057
	<b>Total</b>	<b>20.3</b>	<b>61.90</b>	<b>5.48</b>	<b>2.17</b>	<b>2.76</b>	<b>0.044</b>
Total	Bowerbird Central	6.8	61.56	6.12	2.97	2.37	0.052
	Bowerbird South	15.5	61.75	5.95	2.52	2.58	0.047
	C3	23.0	61.11	5.54	1.86	4.87	0.077
	C4	17.6	62.20	6.80	1.85	2.21	0.034
	Joyners Find - JWD	10.8	64.14	2.80	1.57	2.63	0.032
	Joyners Find North	7.2	62.99	4.57	2.09	2.01	0.047
	<b>Grand Total</b>	<b>80.9</b>	<b>62.08</b>	<b>5.49</b>	<b>2.06</b>	<b>3.09</b>	<b>0.051</b>

"The information in this Public Report that relates to Mineral Resources is based on, and accurately reflects, information compiled by Mr. Paul Blackney of Optiro Pty Ltd, who is a Member of The Australasian Institute of Mining and Metallurgy. Mr. Blackney has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr. Blackney consents to the inclusion in this report of the matters based on the information in the form and context in which it appears."