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Introduction

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Key results'

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Geology

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Land systems, landforms and soil

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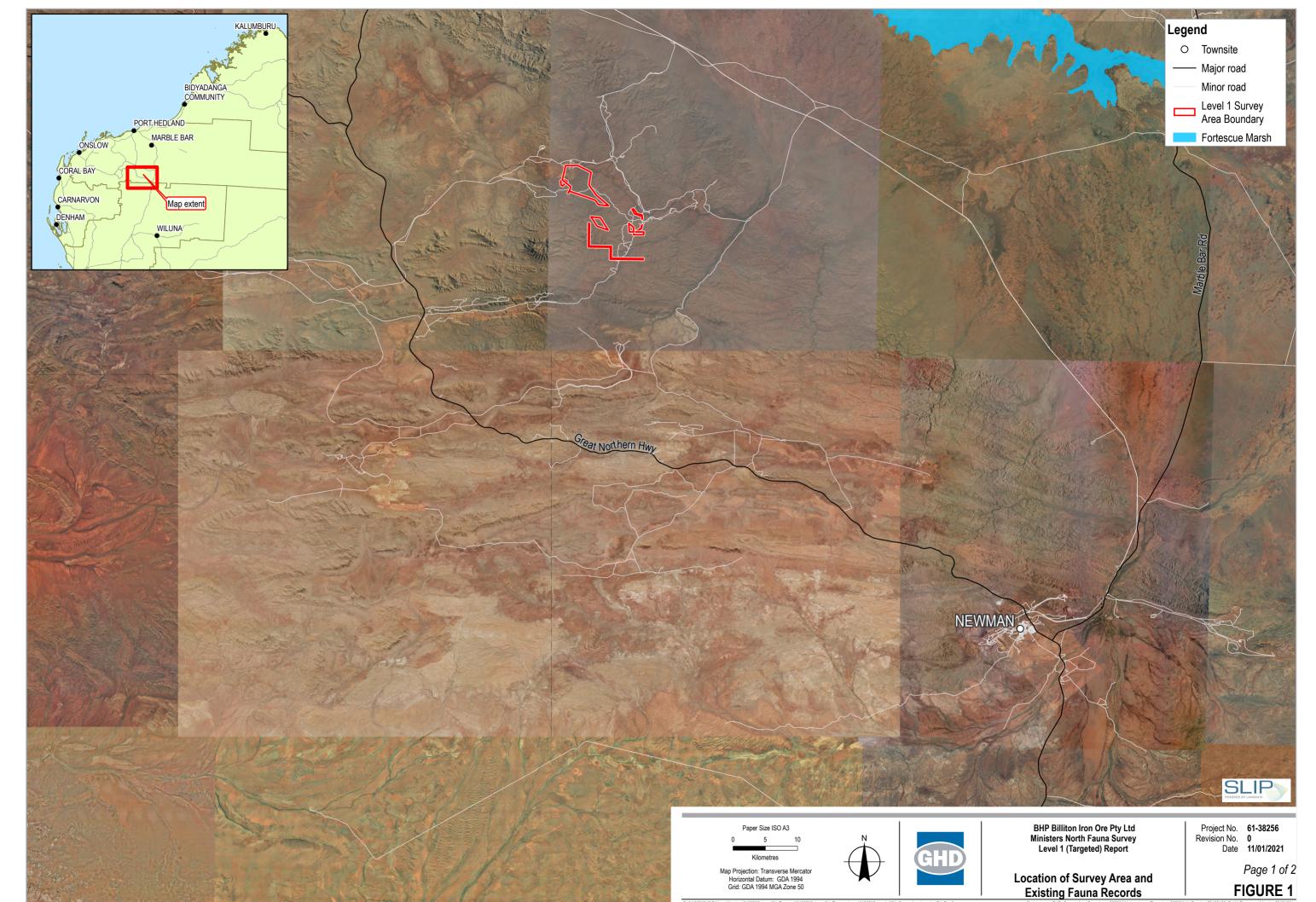
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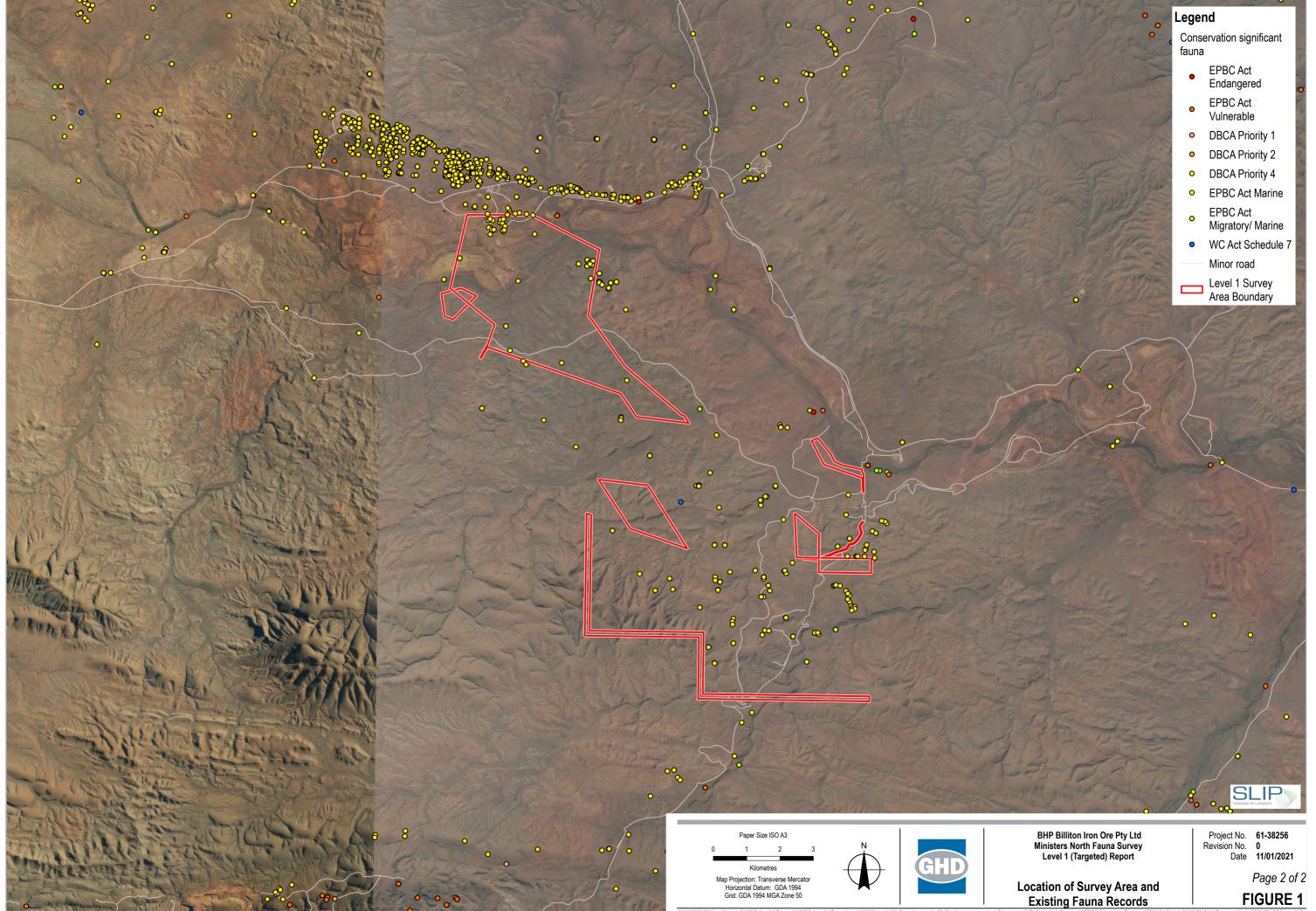
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 - oÁ V@ ¦^Ána Álāj ār^å ÁQĀrÈÁnc@Ár`] ^Éh `æþār Ána) åÁ `æþ cār Á; -Ánc@Á@æàānææÁna Ár^}^¦æþ|^Á;[[¦Á;¦Á ¦^•dā&c^å DÁ@æàānææÁna Ánc@Ár`¦ç^^ÁnaA
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- - oÁ V@Ár ĭazaà|^Á@aàāazaÁ, ão@a,Ác@Ár ¦ç^^Ácd^azÁa Áa [|æar^åÁ¦[{Ár,c@\Ácdrae Ár ĭazaà|^Á @aàāazaÁa)åÁc@Ár]^&&r•Áœe Á;[Ásæt]æs&ãc Áf,Ár ār ¦æar^Ág,qfÁc@Ár ¦ç^^ÁcdraeÁ
- - \circ Á \lor Q0 ^Á] ^ & 20 Ás Qee ÁQeç ^Á; [Á * ãzeà | ^ÁQeà ãze Á ã QB; ÁsQ Á * \downarrow ç ^ Ás \uparrow > \uparrow A \uparrow
 - oÁ V@, •^Án]^8&?•Án@ædÁ@æç^Áno^8[{^Án[8æd|^Án¢cā}8cĒā;¦Ánd^Á;[oÁ.}[¸}Án[Áœeç^Ánç^¦Áno^}Á]¦^•^}óājÁn@Á^*āj}Án_Án@Á*;ç^^Ánd^ædÁ

&"(Á :]Y`X gi fj Ym

&"('% :]Y`X'gi fj YmXYHJ]`g'UbX'h]a]b['

 $V@\dot{A}\bar{a}^{\dagger}|\dot{a}\dot{A}e^{+}|\dot{c}^{\wedge}\dot{A}\delta[\ \}\bullet\bar{a}e^{+}\dot{a}\dot{A}[\ \dot{A}e\bar{A}c] \wedge [c^{\wedge}\dot{a}ee^{+}\dot{A}] \wedge [c^{\wedge}\dot{a}ee^{+}\dot{A$

HUV'Y'&'DYfgcbbY''YI dYf]YbVV'

Þæ{ ^Á	Ÿ^æ�•Á;~Á\¢]^¦ã\}&\Á	Ü[^Á
Õ ^} ÁÕæã @; l• oÁ	G€Á	Ú¦ã, &ã, ^ÁZ[[[*ã, cÁsc), åÁã\ åÁ(\asia)Á
Ü[à^\ơÁÓ\[¸}^ËÔ[[]^\Á	G€ÉÁ	Ù^} ā[¦ÁZ[[[* ã ơÁÁ
Tæåã[}ÁÜ[à^¦ơÁ	HÁ	Ò&[[* ã oÁ
Ùælæ@ÁØ ^{ 3j,* q[}Á	HÁ	Ò&[[*ã ơÁ

&"("&; i]X]b['XcVV a Ybhg'

- •Á ÒÚOZÁV^&@, 38æþÁÕ`ããæ) &^Á V^;;^•dãæþÁØæ; }æÁÙ`;ç^^•ÉÁÚ^;c@ÉÁÒ};çã[; { ^}æþÁÚ;[e^&cā[; Á OE c@;;ãcÁQÒÚOZÁG€FÎæbÁ
- •Á Quơ lã Á* \tilde{a} \tilde
- $\bullet \acute{A} \qquad \grave{U}^* \mid \varsigma \wedge ^* \acute{A}) \stackrel{?}{\sim} \acute{A} (\mid \acute{A}) \stackrel{?}{\sim} \acute{A}) \stackrel{?}{\sim}$
- •Á Ù '¦ç^^ÁÕ `ãà^|ā,^•Á[¦ÁŒ •d æṭãæ€Á/@^æz^}^åÁT æṭ{ æṭ•ÁÇÖ^]æ+d; ^}oÁ; -Ás@ÁÒ}çā[}{ ^}dÉ Yæz^¦ÉÆ^¦ãæ±*^Áæ}åÁs@ÁŒ:o-ÁŒ:F€àDÁ
- •Á Ù '| ς ^^ÁÕ ' ãã^| | \mathring{A} \cdot d aparte ÁV @^aæ^} ^åÁÜ^| \mathring{A} \cdot \mathring{A} \cdot •
- •Á ÒÚÓÔÁŒSÁ^^!!æþÁt`ãà^|ã,^Á[!Ás@Ás}åæ)*^!^åÁ,[!c@!}Á`[||ÁÖæ•^`;'•Á@#)*&æč•Á ÇÖ^]ædq^}oÁ,-ÁÖ}çã[}{^}oÁ©€FÎàDÁ

&"(" DYfa]hg UbX Yh\]Wg

&"("(<UV]HJh UggYgga Ybh

PæàāææÁçæ‡^ÁãrÁæ•^••^åÁàæ•^å4[}Ác@ÁæàāææÁæåå[¦{ÁœæàāææÁ&œæàæ&c^¦ãrcã&eÁæ}åÁc@Á}[¸}ÁœæàāææÁ]¦^-^!^}&^•Áæ}åÁ^~~ă^{^}oÁ[!ÁæÁ°ãç^}Ár]^&&}•ÉAV@Ác^!{•ÁP∄œ£AT[å^!ææ^ÉÁ;!ÁŠ[¸Áæ±^Á*•^åÁ d[Áæ•å∄}ÁæÁ;[æåÁçæ‡^Ád[ÁæÁœæàāææÁ^æč!^Á[!Áæ)å-[!{Áà^]*Áæ•^*-^•^åÉÁŠ[¸ÁœæàāææÁçæ‡^ÁæÁ æ•å}}^åÁ[ÁœæàāææÁcœæÁææ&\ÁæÁ]^&&•oÁ[!^-~!!^åÁ[!æťã]*ÉÁ*@|c^!ā*Éå^}}ā;*Áæ)åÁ[!Áà!^^åā]*Á []][!č}āæð*•ÉĀT[å^!æc^ÁææàāææÁçæ‡^ÁæÁæàāææÁçæ‡^ÁãÁæ•*ã}}^åÁg[ÁææàāææÁœæÁææÁææÁæéAá[!æťã]*ÉÁ

- •Á Š[&æaā]}Á,ão@a,Á*¦ç^^Áæb^æÁ
- •Á Šæ)å•&æ]^Á,[•ãúā[}Á
- •Á Õ^[{[|]@|[*^ÊÁ[][*|æ]@Áæ)åÁ*`à•dæe^Á
- •Á Ú@d •Á -Á^] ¦^•^} cæðð;^Á@ððððððððð]^•Á
- •Á Xæţ^•Á[Áæ••[&ãææ^åÁæě}æÁş]&|`åā]*Áař}ãã&æ;oÁ]^&&4•ÁÇÈÈÁ^~*^ÊÁ[¦æ‡ā]*ÉÁ@|c^;DÁ
- •Á Öã č ¦àæ) & •ÁÇ ^ å ÉÁã ^É † [` } å Áåã č ¦àæ) & ^ DÁ
- •Á Ô[{]æbãa[}Ásà^ç^^}Ási|[æåÁ@æàãææÁc]^•Á

&"(") : Ui bU'< UV]HUh'A Udd]b['

 $Y \ \tilde{a} \ \tilde{c} \ \tilde{c$

Á Á

 $\label{eq:huvy'' @cVWhicbg'cZ\UV]huh'UggYgga Ybhg'} \end{subarray}$

Ùãz^ÁQÖÁ	Öæ? <i>Á</i> æ•^••åÁ	_	b[≪ * Å
	F€B€J£B€FJÁ	Òædj*Á	Þ[¦o@3)*Á ÏIÌIÎH€Á
POTÓËEFÁ		Ï FFJFGÁ	
POEÓËEGÁ POEÓËELÍ	F€B€J£B€FJÁ	Ï FFJGÎ Á	ÏIÌII H ÌÁ
POTÓËEHÁ	F€B€J£0€FJÁ	Ï FFÍ Î Î Á	ÏIÌI€ÎGÁ ïï.
POTÓËEIÁ	FFBEJEDEFJÁ	Ï€JÌ€IÁ ¨⊶¨='	ÏIÌ GÏIÁ
POTÓËEÍÁ	FF ⊞ J£0€FJÁ	Ï €JHÏ FÁ	ÏIÌ GÍ HÌ Á
POTÓËÉÎÁ	FF ⊞ J£©€FJÁ	Ï€ÌFGJÁ	ÏIÌGIÍÁ
POTÓËEÏÁ	FF ⊞ EJ£©ÆFJÁ ,	π̀ÌÍÁ	ÏIÌH€ÏHÁ
POEÓËEÌÁ	FF ⊞ J£©€FJÁ ,	Ï €Ï JJJÁ	ΪΙÌΗF΀Á
PŒÓË€JÁ	FF ⊞ EJ£©€FJÁ	Ï€ÌÍGÌÁ	ΪΙÌΗ΀ÍÁ
PŒÓËT€Á	FF ⊞ J£©€FJÁ	Ï FFJJHÁ	ΪΙÌŒΙΗJÁ
PŒÓËFÁ	FF B€ J£ D €FJÁ	ÏŒIÎÏÁ	ÏIÏÍIÌÍÁ
PŒÓËFGÁ	FF B€ J£ D €FJÁ	ÏŒIIÍÁ	ΪΙΪΙΙΙΑ
POTÓËTHÁ	FHE€J£09€FJÁ	ΪFÌÌÍGÁ	ΪΙΪΪ́FÌΗÁ
POTÓËFIÁ	FH B €J£D€€FJÁ	Ï FJ€GÌ Á	ÄÍÐÌÌÁ
POEÓËFÍÁ	FHB€J£09€FJÁ	ÏFÌÏÏ € Á	ÏIÏÍJJ€Á
POEÓËFÎÁ	FHB€J£09€FJÁ	Ï FÌ Î FÏ Á	ΪΙΪÍÌΗÍÁ
POEÓËFÏÁ	FHB€J£09€FJÁ	ΪFÌΪJÍÁ	ÏIÏÍÌÎÂ
POEÓËFÌÁ	FHB€J£09€FJÁ	Ï FÌ JFHÁ	ΪΙΪΙΪΗ̈́Α
PŒŒJÁ	FHB€J£09€FJÁ	Ï FJÏ Í Î Á	ΪΙΪÍJÌJÁ
POTÓËG€Á	FHB€J£09€FJÁ	ΪFÌΙΪJÁ	ÏIÏÎFJ€Á
PŒŒFÁ	FHB€J£09€FJÁ	ΪFÌÍÍJÁ	ÄÎÐÎÏIÏ
POTÓTEGÁ	FHB€J£09€FJÁ	ΪFÌÍΙGÁ	ÏIÏÎÏ€JÁ
POTÓËGHÁ	FHE€J£09€FJÁ	Ï FÌ Í HFÁ	ÏIÏÎÌÍFÁ
POTÓËGIÁ	FHE€J£09€FJÁ	Ï FÌ I Î GÁ	ΪΙΪÎJIJÁ
POTÓËGÍÁ	FHB€J£09€FJÁ	ΪFÌΪΙΗÁ	ÏIÏÎÎÌÎÁ
POTÓËGÎÁ	FHB€J£09€FJÁ	Ï FJ € ÈÌ Á	ΪΙΪÎ Η ÍÁ
POTÓËGÏÁ	FHB€J£09€FJÁ	ΪFÌÌŒÄ	ÏIÏÎIÍÎÁ
POEÓËGÌÁ	FH B €J£D€€FJÁ	Ï FJ€JHÁ	ΪΙΪÎΙFHÁ
PŒŰĠJÁ	FH B €J£D€FJÁ	Ï FJJÌ Î Á	ΪΙΪÎFFFÁ
POEÓËH€Á	FH B €J£D€€FJÁ	ÏG€FJHÁ	ÏIÏÎ GHÍ Á
POEÓËHFÁ	FH B €J£D€€FJÁ	ÏG€HÎÎÁ	ΪΙΪÎÎŒÁ
POEÓËHGÁ	FHB€J£09€FJÁ	ÏG€I€€Á	ÏIÏÌĠÎÁ
POEÓËHÁ	FH B €J£D€€FJÁ	ÏG€GJ€Á	ΪΙΪÌΗΪGÁ
POEÓËHIÁ	FIEŒJEOS€FJÁ	ΪFÍÍHÍÁ	ΪΙΪŒΗJΪÁ
POEÓËHÍÁ	FIEŒJEOS€FJÁ	ÏFÍÍÏÌÁ	ΪΙΪŒĴJÏÁ
POEÓËHÎÁ	FIEŒJE®€FJÁ	ΪFÍÍÌHÁ	ΪΙΪĠÌ€Á
POEÓËHÏÁ	FIEŒJE®€FJÁ	ÏFÍÍÌ€Á	ΪΙΪΗΙΙGÁ
POEÓËHÌÁ	FIEŒJEŒFJÁ	Ï FJÌ HGÁ	ΪΙΪΊΙΙ G Á
PŒÓËIJÁ	FIEŒJE®€FJÁ	Ï FJÍ JGÁ	ÏIÏÍÏI € Á
POEÓËI€Á	FIEŒJEOS€FJÁ	Ï FJÍ €Ì Á	ΪΙΪÍΪÍJÁ
POEÓË FÁ	FIEŒJEŒFJÁ	ÏFJŒJÁ	ΪΙΪΊΙΊÁ
POEÓËI GÁ	FIEŒJEŒFJÁ	Ï FJŒFÌ Á	ÏIÏÍÏJ€Á
POEÓË HÁ	FÎЀJÐЀFJÁ	Ï FHÏ Ì Ï Á	ÏIÏÎÍÍÏÁ
POEÓËIÁ	FÎЀJÐЀFJÁ	Ï FHÌ HJÁ	ÏIÏÎÎ G GÁ
POEÓË Í Á	FÎЀJÐЀFJÁ	ΪFHÍÌÁ	ΪΙΪΪFΙΗΆ
POEÓË Î Á	FÎЀJ£Ð€FJÁ	Ï FHFÏ I Á	ΪΙΪΪΙ Η Η
PŒŰÄÄ	FÎ⊞€J£09€FJÁ	Ï FHFÌ JÁ	ΪΙΪΪÌÎGÁ

Ùãc^ÁQÖÁ	Öæ¢Áæ•^••åÁ	Òæ•æ]*Á	Þ[¦c@] * Á
PŒÓËÌÁ	FÎЀJÐЀFJÁ	ΪF HÍ ΪÁ	ÏIÏÏÏ€ÌÁ
PŒŰĖJÁ	FÎEEJEOSEFJÁ	ΪFÌΪΪÎÁ	ΪΙΪÎΗJGÁ
PŒÓËÍ€Á	FÏE£JEOÆFJÁ	ÏO€€GÌÁ	ÏIÏÌIÌ € Á
PŒÓËFÁ	FÏE£JEOÆFJÁ	Ï FJÍ GÌ Á	ÏIÏÌÎIÎÁ
POTÓË GÁ	FÏEEJEOSEFJÁ	Ï FJŒFÎ Á	ΪΙΪÌJΪΪÁ
POTÓTÍ HÁ	FÎEEJEOSEFJÁ	Ï FHÍ Ï HÁ	ÀĐÏĴÏJÏ
PŒŰĬIÁ	FÎEEJEOSEFJÁ	Ï FHÎ Î Î Á	ÏIÏÏÍÏÍÁ
PŒÓËÍÁ	FÎEEJEOSEFJÁ	Ï FHFFGÁ	ΪΙΪΪÌJIÁ
PŒÓËÍÁ	FÎEEJEOSEFJÁ	ÏFHF€HÁ	ÏIÏÏIÎIÁ
PŒÓËÏÄ	FÎEEJEOSEFJÁ	ÏFHÎ΀Á	ÏIÏÏI ⊕ ⊢Á
PŒÓËÌÁ	FÎEEJEOSEFJÁ	ÏFI€ÍHÁ	ΪΙΪΪΗ € Á
PŒÓËJÁ	FÏE£JE©ÆFJÁ	ÏFGFÏÏÁ	ΪΙΪÍ∉ΪFÁ
PŒÓË΀Á	FÏE£JEO€FJÁ	ÏFGGFÌÁ	ΪΙΪÎFÍÌÁ
PŒÓËĪFÁ	FÏЀJÐЀFJÁ	Ï FGG€GÁ	ΪΙΪΙΪ́FÎÁ

&"("* : Ui bU']XYbh]ZJWUh]cb'UbX'bca YbWUhi fY'

Species Identification

HUV'Y'(: Ui bU'fYZYfYbVVg'

Øæĕ}æÁt¦[ˇ]Á	Øā\åÆ*ãa^Á
Tæ{{憕Á	$T^{\} \ Q_{+} \circ ABAS \ \tilde{a} \otimes ACCCC DEX \ ABAUCCCCA ACCCCCA ACCCCA ACCCCCA ACCCCA ACCCA ACCCCA ACCCA ACCC$
Óæ Á	Ô@¦&@A ÁÇCEEÌ DÉÁT^}\@¦•oÁBÁS} à @ÁÇCEFFDÉÁÚã:^^ÁBÁS} à @Á CCEFCIDÉX æ)ÁÖ^&\ÁOÁHHÁÇCEFHDÉÁCE{•d[}*ÁÇCEFFDÉÁCE{•d[}*ÁBÁ Ô[^•ÁÇCEEÏ DÉÁO` ^}ÁBÁT &S^}: à ÁGCEFFDÉÁÖ`~ÂÁOÁHHÁÇCEEEDÉA P[`¦à æ)ÁÇCEFFDÉÁT &S^}: à ÁBÁO` ^}ÁÇCEEJLÁGEFCIDÉAT ā •ÁOÁHHÁ ÇFJJÎ DÉÄÜ^æå[}ÁOÁHHÁÇCEFIDÁ
Óãå• Á	T [¦&[{ à^ÁÇ⊃€E DÉÀRæ&\^coÁ\cÁs¢HÉÁÇ⊃€FÏ DLÁTˇ¦]@Á\cÁs¢HÉÁÇ⊃€FÏ DLÁ Š^•^à^¦*Á\cÁs¢HÉAÇ⊃€FJDÁ
Ü^] c ặ ^∙Á	Y ‡re[}ÁBÁÙ, æ)ÁÇGEFÏ DÉÁÙq !!ÁróÁæþÉÁÇFJJJDÉÁÙq !!ÁróEÁæþÉÁÇGE€€GDÁ
OĘ[]@ããæe}∙Á	V^ ^¦ÁBÁÖ[**@ĉÁÇC€€JDÁ

Nomenclature

Þ[{ ^} &|æc '\^Á • ^å Áð, Ác@á Á\^][|cÁ-[||[¸ • Ác@æcÁ • ^å Áà ^ÁY CH Áæ• Á\^][|c^å Á[} ÁÞæc '\^Tæ] ÈW @á Á }[{ ^} &|æc '\^Ás Ás^^{ ^å Ás@Á[[• cÁ] ĒĒ Ēāæc^Á] ^&&• ÁŞ-[|{ æcā[} Á[|ÁY CEÁ-æě }æeĂ

&"("+" Bcb!gnghYa UhjWZUi bU'gi fj Ym

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Opportunistic observations

U]][|ċ⟩ã cã&Áà•^¦çæāĮ⟩•Áÿç[|ç^ÁœÁ^8|iåä¸*Á¸Áæě}æÁææææÁÿ@•ã&æÁ;!^•^}&^ÁæjåEp¦Áã}•Á;Á
]¦^•^}&^DÁ•]æãæþ|^Ác@[ˇ*@ĮˇcÁc@Á•ˇ¦ç^^Áæð^æÆÄU]][|ċ⟩ã cã&Á[à•^¦çæãĮ}•Áä¸&Įˇå^Áj @•ã&æÁ
[à•^¦çæãĮ}•Áÿã @ã¸*Á¡¦Á@æáj*Áæě}æ£Áæå}åÁï¸åã^&cÓvçãå^}&^Áÿ&ææÉdæ&\•Éðåã*āj*•ÉŊ^•œÉA
^ææ@¦•ÉÞ•\^|cæÁ\^{æäj•ÉŊ}^||^•DÁ¸@æ@Ájååãææ^Ác@Á&ێ¦!^}cÓ[¦Á\^&^}cÓ[Á^|çæjóÁj-{i{æāj}}Á¸æÁ
Y@¦^ç^¦Áj[••ãa|^ÉŊ¸ˇ{à^!•Áj¸áãçãã׿þÉÁ;æ&|[@æàãææÁ•^Áæ)åÁjc@¦Á^|^çæjóÁj-{i{æāi}}Á¸æÁ
|^&{|å^å†ÉÁ

Cave searches

&"(", FYa chy": Ui bU'fYWtfX]b['XYj]gYg'

Ü^{ [& Áæ} æÁ^8[¦åā] * Áå^çæK^• Á¸ ^¦^Á·•^åÁB¸Á&[} Ď } &cā[} Á¸ ãc@Á,[} Ë•^• & { æææÁ* `¦ç^^Á; ^c@[å•Á d[ÁB¸&l^æ•^Á* 'ç^^Á; -c@[å•Á d[h&] ^&&-Ð|[`]•Á; cá; -æ}Á &[`} &'|-Á; -c@[å•Á •ā] * Áå -ā] * Áå

Remote Cameras

ÖænæÁk|[{Án@Á&æ(^¦æ•Á,^¦^Á(æ)`æ||^Áæ)æ†`•^åÁ(¦Án@A)¦^•^}&^Á(-Áæĕ}æÁ(||[¸ā)*Á&[||^&aā(}Áa)Á Tæk&@ÁGEGETÁ

Bat acoustic recorders

 $\ddot{\Delta}_{a} = \dot{\Delta}_{a} + \dot{\Delta}_{a}$

Bird acoustic recorders

&') Á Gi fj YmYZZcfh'UbX gUa d`]b["cVWh]cbg"

U]][|c') ã cã&Áæ&cãç^Ár^æ&@•Á, ^|r^Á&æl|ã\åÁ; óA; ç^|Ác@Á* '|ç^^Áæl^æÁc@[** @`óÁc@Áå`|ææā;}Á; Ác@Á* '|ç^^ÈÁÇ)Áæååããā;}ÊÄF€Á^{ [c'Á&æl; ^|ææi; }Á; Ác@Á* '|ç^^ÈÁÇ)Áæååããā;}ÊÄF€Á^{ [c'Á&æl; ^|ææi; } */a^Áæ) åÁæ; ||r^&cåÁæ; åÁæ; ||r^&cåÁæ; |Ac@Á; ^oó4^æe[}ÊÁæç^Á[&ææā; } •Á; ^|rÁæ•^^•^*åÁ; ãc@Á; ãc@Á; ãc@Á; ãc@Á; ãc@Á; àcæÁr&[*•cã&Ár^&[lå^|-Á; æeÁr-æf; } •Á; |ÁrlÁ&[}•^&*cãç^Á; ãc@Á; àcæÁr&[*•cã&Ár^&[lå^|-Á; æeÁr-æf; *oál; ÁrlÁ&[}•^&*cãç^Á; ãc@Á; àcæÁr&[*oák; ácæÁr, agraf; *oál; ÁrlÁ&[}•^&*cãç^Á; ãcæÁr, agraf; *oál; ÁrlÁ&[}•^&*cãç, ágraf; ácæÁr, agraf; Agraf; Ag

HUV`Y') '7Ua YfU'lfUd "c\Whicbg"

Ôæ{ ^; æÁ, ~ { à^; Á	PæàãææÁcî]^Á	Ta&l[ÁPæàãaæeÁ	Š[&ænā[}Á		Öæz^Áå^] [^^åÁ	Öæz^Á^&[ç^¦^åÁ	V[cæ‡Ájā*@æ•jÁ
ÇÙ㺠ËÖÖĐÁ È			Òæ-cāj*Á	Þ[¦c@}*Á			å^] [[^^åÁ
TÔÏÏÁÇÔæ{Ë€FDÁ	Ó¦^æ\æ\æ\æ\æ\£\Ô ã-Á	Ó¦^æ\æ,æ.Á	ÏG€ÍÌFÈGIJÁ	ÏIÏÍÎH€ÈÌÍÁ	FFB€J£09€FJÁ	G IBEIH BD€G€Á	FJI Á
TÔFHÁÇÔæ{ËEEGDÁ	Ó¦^æ\æ,æ,æ.£ÓkÔ ã⊷Á	Ó¦^æ∖æ,æ.Á	Ï FJJÌ HÈJÍ Á	ΪΙΪΊΙΉ Η ΕΙΙΑ΄	FFB€J£09€FJÁ	G IBEIH BD€G€Á	FJI Á
ÜIFÁÇÔæ{Ë€HDÁ	Ó¦^æ\æ,æ,æ.£ÓkÔ ã⊷Á	Ó¦^æ∖æ,æ.Á	Ï Œ€JJÈÈ€Á	ÏΙΪÍ΀ÏÈÎÁ	FFB€J£09€FJÁ	G IBEIH BD€G€Á	FJI Á
IÙÕÁÇÔæ(ËEIDÁ	Pã &¦^•œÆPã • []^Á	Ó¦^æ∖æ,æ.Á	Ï FÌ Ì HÍ ÈÌ Á	ÏIÏ΀HÍÈÈIÁ	FHB€J£09€FJÁ	GFB€HBD€G€Á	FJ€Á
TÔIÍÁQÔæ(ËEÍDÁ	Pã &'^•œÃPã • []^Á	Ô ã-Á	ÏFÌÏF€ÈHGÁ	ÏIÏÎIÍÍÈGÁ	FHB€J£09€FJÁ	GFB€HBD€G€Á	FJ€Á
TÔFIÁÇÕæ(ËEÎDÁ	Õ[¦*^ÐØÕ`∥^Á	Õ[Ϊ FÎ GÎ FÊÈ HÁ	ÏIÏFÎHÏ È ÏÁ	FHB€J£09€FJÁ	GFB€HBD€G€Á	FJ€Á
ùố FÁÇÔæ(ËEÏDÁ	Õ[¦*^ÐÃÕ*∥^Á	Õ[Ï FÍ Ì JI È≣HÁ	Ï I Ï FÎ FFÈTI HÁ	FHB€J£09€FJÁ	GFB€HBD€G€Á	FJ€Á
TÔGÍÁQÔæ(ËEÌDÁ	Õ[¦*^ÐÁÕ`∥^Á	Õ[¦*^Á	Ï FÎ FHFÈ€HÁ	ÏIÏFÎHGEÏÏÁ	FHB€J£09€FJÁ	GFB€HBD€G€Á	FJ€Á
TÔIÁQÔæ(ËJDÁ	Õ[¦*^ÐØÕ*∥^Á	Õˇ ^ Á	Ï FHÌ FÏ ËÌ I Á	ÏΙΪΪ€JFÈGHÁ	FÎEEJEOS€FJÁ	GIÐEHED€€G€Á	FJ€Á
TÔF€ÁÇÔæ(ËF€DÁ	Õ[¦*^ÐÃÕ*∥^Á	Õˇ ^ Á	Ï FHÌ I Ï È GÁ	ÏIÏÎJÍJĚ€Á	FÎEEJE®€FJÁ	GIÐEHEЀG€Á	FJ€Á
HctU'b][\tg'	Á	Á	Á	Á			% %&`b][\ hgÁ

Á

HUV'Y'* '6Uh'8YHYVVcf'`cVVUh]cbg'

ÓæAå^c^&q¦Á	Ö^&&[¦Á	PæàãææÁĉ]^Á	Š[&æaā[} } Á		Þã @•Á	
•ãe^•ÁÇÙãe^ÉCÖDÁ			Òæ•daj*Á	Þ[¦c@}*Á	å^]	
Ùãc^ÁFÁÇÓædËEÍ DÁ	ÙΤΙËFÁ	Uc@\¦ÁÇædcãa&ãæqÁ, æe^\¦Áa[å^DÁ	ÏO€IGÏËHÁ	ÏIÏÏJ €GÈÌ GÁ	HÁ	
Ùãc^ÁGÁÇÓææËEFDÁ	ÙΤΙËFÁ	Pã &'^•œÁPã • []^Á	Ï FÌ Î HÌ ÈGJÁ	ΪΙΪΙĤIJĒÌÁ	HÁ	
Ùãc^ÁHÁÇÓæŒË€GDÁ	ÙΤΙΕ̈́Ά	Õ[¦*^ÐŐ` ^Á	ïFîÎÍGÈHGÁ	ÏIÏFÎ⊖€ÈĞÄÁ	HÁ	
Ùãc^Á ÁÇÓæŒË€HDÁ	ÙΤΙËFÁ	Pã &'^•œÁPã • []^Á	ÏFHÌÍÎÈĒÏÁ	ÏIÏÎJFÌÈEÏÁ	HÁ	
Ùãc^Ái ÁÇÓæœË€I DÁ	ÙΤΙΕ̈́Ά	Õ[¦*^ÐŐ` ^Á	ÏG€ÍIIÈFGÁ	ΪΙΪΙΉΪΙĖΉÁ	HÁ	
HcHJ.					%) 'b][\ hg'	

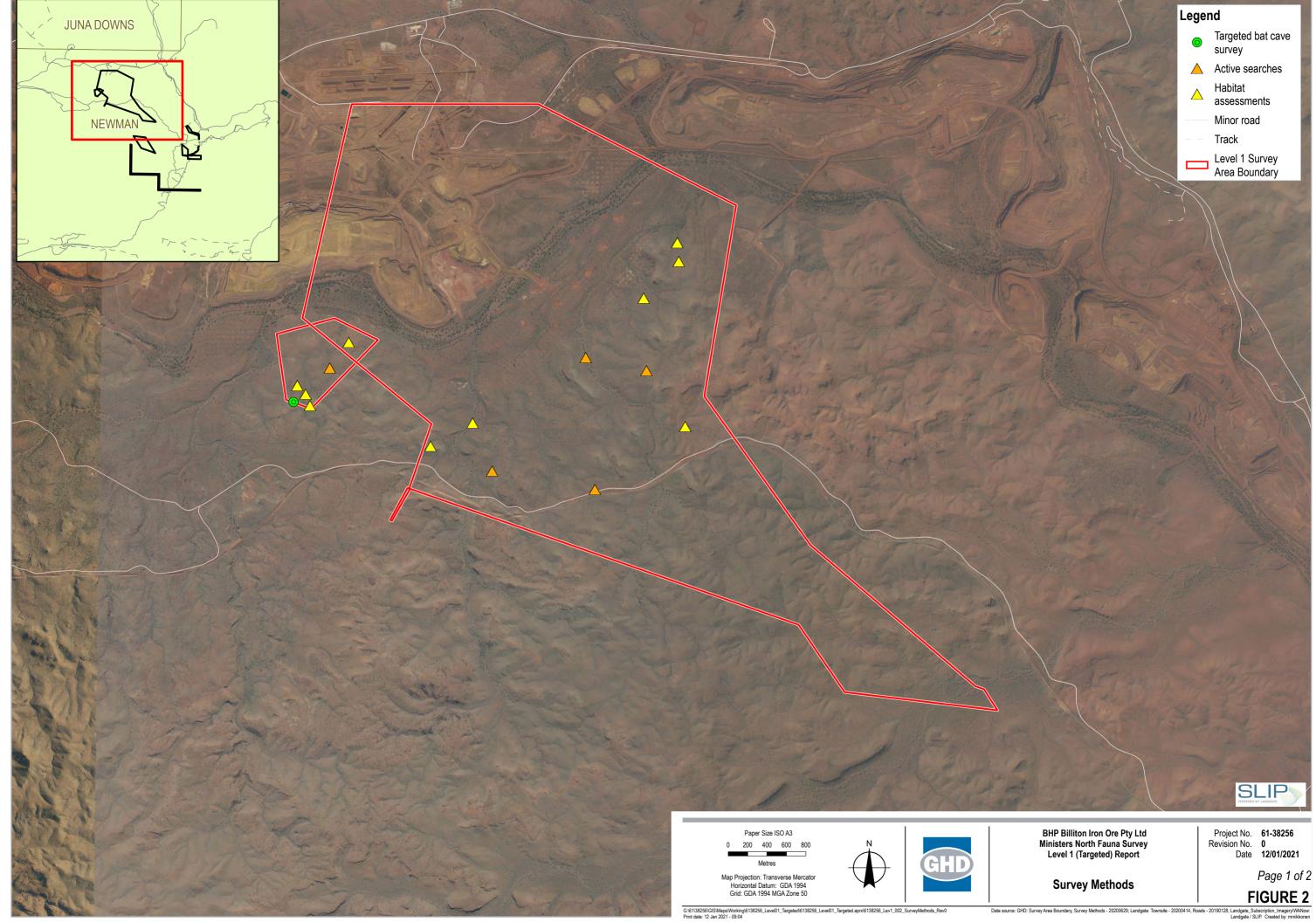
Á

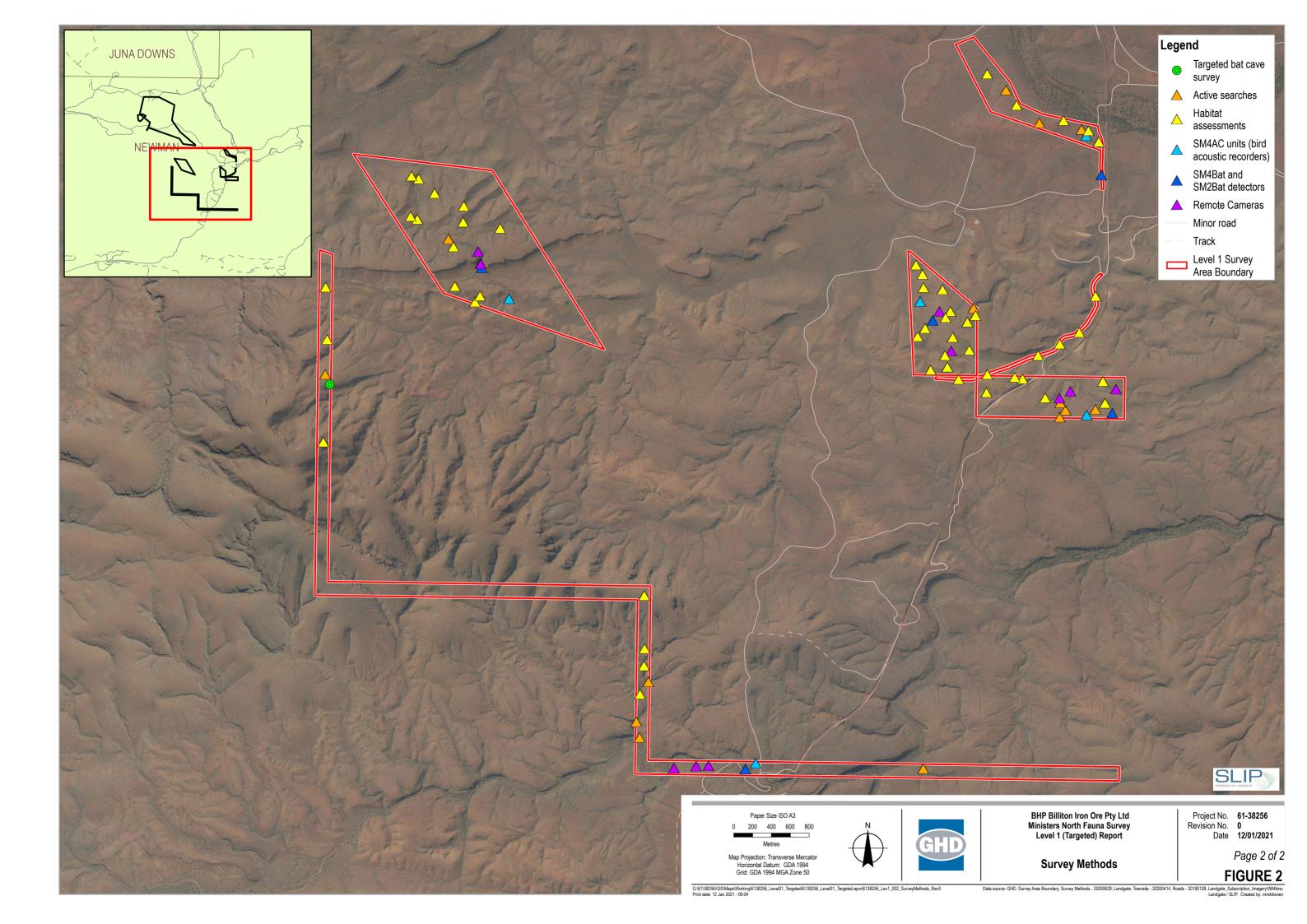
Á

HUV'Y'+'B][\h'DUffch'8YHYVWcf'`cVWh]cbg'

Þã @ÁÚæ¦[œ4°c°&[¦Á	PæàãææÁĉ]^Á	ŠĮ 8	Þãt @•Á&^] [^^åÁ	
}`{ à^¦ÁÇÙãc^ËCÖDÁ		Òædā, * Á	Þ[¦c@a]*Á	
Ùã¢^ÁFÁÇÓŒÜË€FDÁ	Ö¦æājæt^ÁŒt^æ£ÁØ[[a] æājÁ	ÏG€GÎÏÈ€GÁ	ΪΙΪÌΗG€ÈHÌÁ	HÁ
Ùãc^ÁGÁÇÓŒÜËEŒDÁ	Pã &'^•œ₱ã • []^Á	ÏFÌÍ€ÎĒÍÁ	ΪΙΪÎÍÍJÈÌÁ	HÁ
Ùãc^ÁHÁÇÓŒÜËŒH D Á	Pā &¦^•œĀPā • []^Á	Ï FÎ Ï Î FË HÁ	Ï I Ï FÎ Î Í È À	HÁ
ùãc^Ái ÁÇÓOEÜË€I DÁ	Tậ,[¦ÁÖ¦æðjæt^ÁSãj^Á	ÏFIFIÏÈGÎÁ	ΪΙΪΙΙΪ́DÀÍÁ	HÁ
ùãc^Ái ÁÇÓOEÜËEÍ DÁ	Pā &¦^•œĀPā • []^Á	ÏG€GÏFÈÈÌÁ	ÏΙΪÍΗÍΪĚΕΆ	HÁ
HctU'				%) 'b][\ hg'

Á Á Á





&'* Á GYUgcbU`WebX]hijcbg

- •Á T^æ) Áæ) } ĕæ)Áæã, æ)Áã ÁnGJĚÁ; {Á, ão@Áæ) Áæç∧¦æ≛^Á; ÆGJÈÁæã, Áåæê•Á;∧¦Á^æ;ÁÇÓ[TÁG€FJDÉÁ

Üænāj -æd|Á[¦Ár@ ÁÎÁ[]}c@ Áj¦ā[¦Ár[Ár@ Ár*¦ç^^Ánā Á]¦^•^}c^åÁnājÁvænà|^ÂIÁGaæ•^åÁ[}ÁrÞ^¸{æ)Áåææææð£Á ¸ãr@Ár@ Ár[ædÁænāj -æd|Ár[¦ÁrœãnÁj^¦ā]åÁnà^āj*ÁIHĒÁ;{{Èv@ánÁnādē]}¦[¢ā[ææ^|^ÁæÁ*æb¢\ÁrÁr@ Á^æbqÁ d[ædÁ[¦ÁrœánÁ^*ā[}LÁq0¸^ç^¦ÉÁnānÁ],^||Án^|[¸Ár@Á[]*Ár∿¦{Áæç^¦æ≛^Ár[¦Ár@•^Ár[]c@ ÁÇFJ€ÈÁ;{DÉÁ

V@Á, ^æc@¦Á, ç^¦Ás@Á, `¦ç^^Á, ^¦ã, åÁa Á, ¦^•^} c^åÁa, Á/æà|^ÁJÈÁ

HUV'Y', 'FU]bZU'`'* 'a cbh\g'df]cf'hc'h\Y'gi fj Yma cbh\"

Öær^Á	Üæği-æd ÁÇ;{DÁ
Ø^àlˇæl^ÁG€FJÁ	lîÈA
Tæl&@ÁG€FJÁ	FŒÁ
Oަ ā ÁG€FJÁ	HÈÁ
TæĥÆFJÁ	€ÈÉÁ
R´}^ÁGEFJÁ	FÏ È Á
R″ ^ÁGÆFJÁ	€ÈÉÁ
Œ**•oÁG€FJÁ	HEÄÁ
НсНЈ"	1 11k *
Á Á	

HUV'Y'- 'K YUH\Yf'Xi f]b['gi fj YmdYf]cX'fgci fVVYX'6cA '&\$% Ł'

Öæc^Á	V^{] ^ æc	Üæği-æqlÁÇi{ DÁ	
	Tājāj *{ Á	Tæ¢ã{ĭ{Á	
€JE€JE09€FJÁ	FHÉ Á	ΗĖÁ	€Á
F€B€J£D9€FJÁ	FÌ 🖺 Á	HÍĚÁ	€Á
FFB€J£09€FJÁ	FIÈÁ	HHĒ Á	€Á
FŒ€J£®€FJÁ	FFÈÁ	HHĒ Á	€Á
FHE€JE0€FJÁ	ÌÈÁ	HHÈÁ	€Á
FIEŒJEŒFJÁ	ΪÈÁ	HHÈGÁ	€Á
FÍЀJÐЀFJÁ	JÈÁ	ΗĚÁ	€Á
FÎEEJE0€FJÁ	F€ĽÍÁ	ΗËÁ	€Á
FÏEEJEOS€FJÁ	FHE Á	HÎÈÁ	€Á
FÌEEJEOS€FJÁ	FI ÈHÁ	HÍÈHÁ	€Á
FJE€JE0€JÁ	FIÈÁ	H€ÈÁ	€Á
G€EEJED€FJÁ	FŒÉÁ	G HÈ SÁ	€Á

Á

Á Á

' "Á 8Yg_hcd UggYgga Ybh

' '%Á : Ui bU'X]j Yfg]lmi

' ''&Á 7 cbgYfj Uhjcb g][b]ZjVWbhZUi bU

∉Á V@^^ÁÔ¦ãã8æ|^ÁÒ} åæ)*^¦^åÁææ¢æÁÇÒÚÓÔÁŒ8dÓQ}^Á¢æ•[Áãæ¢åÁæ•ÁÒ}åæ)*^¦^åÁ}å^¦ÁÓÔÁŒ8dÓA

 $\not\in$ Á V, [ÁÒ} åæ] *^\^åÁææ¢æÁÓÓÁŒ&æDÁC} \^Áæ‡ [Áã c^åÁæ ÁÔ; ãæææÁÔ; åæ] *^\^åÁ; å^; ÁÒÚÓÔÁŒ&æDÁ

∉Á U}^ÁUc@¦ÁÙ]^&ãæl|^Á¦¦¢^&c^åÁææ¢æÁÇÓÔÁOE&dDÁ

∉Á U}^ÁÚ¦ā[¦ãc ÁFÁsæcæÁÇÖÓÔŒÁãc°åDÁ

∉Á V. [ÁÚ¦ãi¦ãc ÁGÁcæcæÁÇÖÓÔOEÁã c^åDÁ

∉Á U}^Áڦ㦦ãc ÁHÁææ¢æÁÇÖÓÔOZÁã c°åDÁ

∉Á Ø[ˇ¦ÁÚ¦ā[¦ãc Á ÁcæcæÁÇÖÓÔOEÁã c^åDÁ

V@•^Á•]^&&•Áæ•^Á\@`c^åÁæ¸ÁOE]]^}åã¢ÁÔÈÁOEÁ\ã^|ã@[åÁ[-Á[&&`;|^}&^Áæ•^••{ ^}oÁ¸æ•Ác@}Á
]^!-[{ ^åÁ;}ÁœÁGÎÁ&[}•^!çææí}Árâ*}ãã&æò;óÁæ*}æÁæ;åÁ;Æœ•^•£EF€Á¸^!^Á&[}•ãæ^!^åÁ}[¸}Á;ÍÁ
|ã^|^Á[Á;Á8&`;Á¸ãœã¸Ác@Á*;ç^^Áæ÷^æÁ[||[¸ã;*Áå^•\d[]Áæ•^••{ ^}oÁæ;åÁæ*|åÁ*;ç^^Á^•`|œÈÉV@Á
-ā;æÁå^|ã@[åÁ;-Á;&&`;|^}&^Áæ•^••{ ^}œÁ;Á;A*^&&a;}ÁÈÈÁ

'"Á @JHYfUHifY`fYj]Yk

OEÁ;adoÁ;Áo@Áå^•\d[]Áœ•^••{ ^}oÁæĕ}æÁ*`¦ç^^Á^][¦orÁ;Áa]æãæ†Á^|^çæ;&^Áq[Ác@Á*`¦ç^^Áæ†^æÁ ¸^¦^Á]¦[çãa^åÁà^ÁÓPÚĚÁØ[||[¸ā;*ÁæÁ^çã\¸Á[-Ác@Á'^][¦orÁc@Á-ā;åā;*•Á; ^¦^Á&[||æc^åÁæ;åÁæ+^Á •*{{æáã^åÁ§Á⁄æà|^ÁF∉ÈÁ

HUV`Y`%\$`@]hYfUhi fY`fYj]Yk``

Þæ ^Á Á Íç^^Á	Tãjãrd^¦•Án>[¦c@Á Óãj∥[*ã8æ4ÁÛ*¦ç^^ÁG€€ÎÁ	Tˇ}bājaa—bag)åÁTājãoc\\•Á Þ[¦coóÁÇŸan)åäÁPˇàDÁ Øaĕ}aaÁCE•^••{ ^}oÁ G⊖∈JÁ	Tājārc^\•Án>[¦c@ÁS^ç^ ÁGÁ X^¦c^à æe^ÁlØæĕ}æA Ù`¦ç^^ÁGÆFÏÁ	Tājāro^\•Ár[¦o@Á[Á ŸæjåāñÛāj* ^ÁÚ@æ•^Á Š^ç^ ÁGÁZæĕ}æÁæjåÁ Ö^cæāf^åÁ Ø [¦æ£X^*^cææā[}Á Ù`¦ç^^ÁÔ[¦¦āá[¦ÁG€FÏÁ	ÒæroÁÚæ&N.•æåå ^Á Š^ç^ ÆFÁK^!c^àa¦æc^Á Øæč}æAÛcčå^ÁG€F€Á
7 cbgi `HUbh	Ò&[[* ãæÁÒ} çã[} { ^} oÁ	ÒÞXÁŒ•dæ¢ãæÁ	Óą[* a&Á	Óą[* a&Á	Óā[[* 88Á
@/j Y`cZYl dYf]YbWY` cZWcbgi `HJbh	C∏Á; ^{ à^!•Á; Ác@Á •`¦ç^^Ác^æ; Á@æ; ^Á@æ; Á æ;] ¦[] ¦ãæc^Ác} ā; *ÉÁ ^¢] ^¦ā³} &^Áæ; åÁ { ^} d; ¦ā; *Áş Áæ; }æÁ ãå^} cãã&æa; }Áæ; åÁæ; }æÁ æ••^{ à æ*^Á; ¦ç^^•ÉÁ Ú[•ãā; }•Á; \};] ÉÁ	U}^ÁÛ^}ā[¦Á Z[[[*ã:dĐU¦}ão@ [*ã:c ÊÁ[ˇ ÁZ[[[*ã:o•Áæ)åÁ [}^Á/æap[}[{ã:oÁ	U}^ÁÚ¦ā,&ª ^ÁZ[[[*ãoÁ æ}åÁœ^^ÁÙ^}ā[¦Á Z[[[*ão•Á	U}^Án^¢]^¦ān}&^åÁ :[[∥[*ãidĚÁ	U}^ÁÚ¦āj&ājæţÁ Z[[*ãroÉæţ;[ÁÛ^}āj¦Á Z[[*ãroÉæţ)å/fi}^Á P^¦]^d[*ãroÁ
@cWUH]cbˈcZgi fj Ymi]bˈfYUH]cbˈhcˈh\]gʻ gi fj Ymi	Q c^\+^& AÕPÖÁGEGEÁ •`\ç^^Ásd^æÁ	Q¢¦•^&¢ÁÕPÖÁŒŒÁ	Q & 1	Q&`¦•^&& ÁÕPÖÁG€G€Á •`¦ç^^Ásd-^æÁ	Q c^\+^8c ÁÕ P ÖÁG€G€Á •`\ç^^Ásd^æÁ
8 UhYgʻcZgi fj Ym	F€ÉFIÁTæÁG€€ÊÁ	GFÁÞ[çËGÁÖ^&ÁG€€ÏÁ	FÍËGÎÁU&qà^¦ÁG€FÎÁæ)åÁ HËTHÁG∐¦ÄAG€FÏÁ	JËFHÁJ&qà∧¦ÁG€FÏÁ	ÍËFÌÁJ&{à^¦ÁG€€JÁ æ)åÁG€ËFÁGE¦¦ā¥ÁG€F€Á
GYUgcbU`WcbX]Ir]cbg` Xi f]b['UbX']b'h Y'g]l ' a cbh g'df]cf'hc'h Y' gi fj Ym	V@Á^][óÁ]åå&ææ^•Ás@æáÁ ±æáj-æd Á@æÁs^^}Á@ð@ÁsÁ c@Á; ^çáj~Á,Á;[}c@ÓÁ Ö` aj*Á*`!ç^^Á;[å^ ææ^Á åæêÁæ^{]^ ææ` ^•Áæð;åÁ &[[Á,ðå@óæ^{]]^ ææ` ^•Ás ¸^!^Á*¢]^ ða}&^åÉðÁ	V@Ásel~æÁ^&^ãç^åÁœÁA { { Á, ÁæájÁsjÁc@Áo@^^Á { [} c@Á, !^&^åāj*Ác@Á • ` !ç^^ÈV@ÁsæÁ c^{] ^!æĕ!^•Á, ^!^ÆjÁ c@Á[¸Á €ÊÁ, ãoØÁ;ã @Á c^{] ^!æĕ!^•ÁsjÁc@Á c^{] ^!æĕ!^•ÁsjÁc@Á Å	V@Á,^æ@¦Á&[}åãā[}•Á å'¦ā*ÁæÁā•oÁ^æ[]Á å'¡ā*ÁæÁā•oÁ^æ[]Á ål^Á*¡ç^^Á,^!^Ác]ā&æÁ [-ÁæÆÁā[^Á;-Á^æÈÄ æç^!æðā;*Áæ['}åÁæA[iÁ U&[à^!Á;-Á+ÍÈ>°ÔÈÁ Þ[Áæā;-æ Á^&[¦A*A]Á •`¦ç^^ÈÆ[],^ç^!É@æç^Á ¡æā;-æ ÁæAē;A •`¦ç^^ÈÆ[],^ç^!É@æç^Á ¡æā;-æ ÁæAē;A •`¦ç^^ÈÆ[],^c^!É@æç^Á ¡æā;-æ ÁæAē;A •`¦ç^^ÈÆ[],^c^!É@æç^Á āÁæAæA*{ { ^!Á; [}c@Á à^c,^^}Áæ@Áç [Á	Þ[oÁ]^&ããàÁ	Þ[ớ́́́¸¦^•^} &åÞ́́

Þæ(^/n/ -Á* ¦ç^^ Á	Tājārc^¦•Áno[¦c@Á Óāj∥[*ā8aaþÁU*¦ç^^ÁG⊖⊖€ÎÁ	Tˇ}bājæÁnojåÁTājãco\•Á Þ[¦o@ÁÜÿæjåãÆPˇàDÁ Øæĕ}æÁNOE•^••{^}oÁ G⊖€JÁ	Tājāre^ •Áno[c@AŠ^ç^ ÁGÁ X^ e^à æe^ÁZæĕ}æA Ù* ç^^ÁGÆFÏÁ	Tājārch - Áp[lo@Á[Á Ÿæjåā Áluāj* ^Áú@æ-^Á Š^ç^ ÁGÁOæĕ}æAsajåÁ Ö^cæaā/^åÁ Ø[læEX^*^cæaā[}Á Ù"lç^^ÁÔ[llāa[lÁGEFÏÁ	ÒæroÁÚæ&\•æåå ^Á Š^ç^ ÁFÁX^¦d^à¦æ&^Á Øæč}æAÛcčå^ÁO€F€Á
			• ` ' ç^^ • Á, @ & @ Á, æ Á, ^ Á æ à [ç^ Á æ ç ^ ! æ * ^ Á ;		
GiaaUfmicZgifjYmihYWYb]eiYgiUbX'gifjYmiYZZcfhi	@ / j Y ` '% gi f j Ym ` F Ï È Î Á@ • Åsã } æ Á ^ æ & Œ Á C Á@ • Á [& č } æ Á ^ æ & Œ Á F Î Ê Á@ • Ásā â Á * ç ^ Ê Ā Á } ã @ • Á • Ásæ Á ^ & [å å * • Á Ç E æ æ æ Á Q D Á	Gjb[`Y'd\ UgY'@'jY`&` gi fj YmÁZāŗ^Átæj]ā,*Á • ãv• Ēša^ç ^^}Á Áæjå Á dæjÁā @• Á,^!ÁāvĚÄ V[œdÁtæj]ā,*Á~-¡IoÁs Á ^* æjÁjÁg Ä; ĕjÁæjÁ }ā @• Ás &i ĕjÓjā oÁtæjÁ æjåÁÓ & AódæjÁ æjåÁÓ & AódæjÁ æjåÁÓ & AódæjÁ æjåÁÓ & AódæjÁ æjåÁÓ & AódæjÁ æjåÁÓ & AódæjÁ æjåÁÓ & AódæjÁ ¡ã @• ĒĎæjåÅ G€Á Ø`}}^[Æö åÁ[oÁæjÁ * ¡ç^^Á~-[IoÁs &]`å^åÁ FIĒÍÁ@; I•Ásāi}æjÁ • ^æ&@•ĒÄFHĒÁ@; I•Á [-Á,[&c']}æjÁ ~æ&@•ĒÄ H€Á@; I•Á;ÁsāåÁ &^}• * ĒÆF€Á;ā @•Á;Á àæÁA&[Iåāj*•ÁC]CÁ @`'!• DÁÇŒ;æjæææÁCODÆÁ	@ / j Y * & gi f j Ym ÁÁ O Ág cæ / fi, -Á F ∈ Ás æ j] ā * Á • ã * • Á, ã © Ái [} ã fi ! ^ å Á] ^ I Á * ^ æ • [} ÈÍOæ & ØÁ dæ j] ā * Ái ã * ÁS [{] I ā * ^ å Á F ∈ Áj ã Ás æ • ÈÍO ∈ Á* } } ^ Á dæ j • ÈÍO ∈ Á* ^ å ấ { ÁO [ā o Á dæ j • ÈÍO ∈ Á* }	àāla Ásæ Áso ^ c ^ scāl } Áse Á c [Ál sæāl } • ÉÁl Á c @ àāæ Áse • ^ • { ^ } o ÉÁ c @ ^ Áæ * ~ c ^ å Á ^ æ s @ Á [sæāl } • ÉÁæ à Á []] [c } ē c æ Á ^ s [åā] * • Á	•^&[}åÁ, @æ^ÈÁ Óāå•Á,^!^Á,^&[!å^åÁ c@[**@[*ók@^ÁàæêÁ å*!ā*Átæ)•^&o-Á,-Á c@A;![b%&Áæ,^æ£ÁææÁ ^&@[[&ææā]}Á&æ4)•Á _^!^Á,^&[!å^åÁ•ā*Á æ]ÁOE>OEÓOEV;iÁ

Þæ{ ^Áį -Á~¦ç^^Á	Tājãre^¦•Án>[¦c@Á Óā[[*ā8æ‡ÁÛ*¦ç^^ÁG€€ÎÁ	Tˇ}bājæÁsejåÁTājãc^¦∙Á Þ[¦cÓÁÖ,ŸæjåáÄFŤàDÁ Øæĕ}æÁNE•^••{^}oÁ G⊖€JÁ	Tājāro^¦•Án>[¦o@AŠ^ç^ ÁGÁ X^¦o^à æe^ÁOæĕ}æÁ Ù~¦ç^^ÁOÆFÏÁ	Tājāro^\+Áp[lo@Á[Á ŸæjåāÁÜā]* ^ÁÚ@æ•^Á Š^ç^ ÁGÁØæ}}æÁæjåÁ Ö^cæāj^åÁ Ø[[læeX^*^cææā]}Á Ù`lç^^ÁÔ[llāā[lÁGEFÏÁ	Òæ ơÁÚæ&\•æåå ^Á Š^ç^ ÆÁX^¦ơà¦æ&^Á Øæě}æÁÛc°å^ÁŒF€Á
			æ•^•••{ ^} oÁ[&ææā[}•Á		\\^\\\^\\\^\\\^\\\^\\\\^\\\\\\\\\\\\\\
GdYV¶Ygʻf]W\bYggʻ k]h\]bʻgifjYmUfYU fgdYW¶YgʻfYW¢fXYXLʻ	ÏFÁç^lc^àlæc^Áæĕ}æÁ •]^&a?•Á&[{]¦ãrāj*ÁπÌÁ ŀ^]cā/•ÉĀ.GÁsāå•ÉĀπ€Á {æ{{æh•Áæ}åÁ[}^Á æ{]@ãsāæ}ÉÁ	FHI Áç^lc^àlæc^Áæĕ}æÁ •]^&&?•Á&[{]¦āïā]*ÁGGÁ {æ{{a+•ÉAÍÁ^]cā}^•ÉA ÎÎÁsāåå•Áæ}åÁ}}^Á æ{]@āsāæ;ÈÁ	FFÎ Áç^lơ à lase^ Áæĕ } asÁ &[{] lãi āj * ÁFÏ Á; as[{asþÁ •] ^ & ā • ĒÁ I Ásā å Á •] ^ & ā • ĒÁ HÁ^] cā ^ Á •] ^ & ā • ĒÁs j å Áç [Á as[] @ā āæj • Á	ÍJÁç^¦c^à¦æc^Áæĕ}æÁ &[{]¦ãiā]*LÁnÍÁàāå•ÉÁFIÁ {æ({æ†Áæ)åÁπ€Á ¦^]cā ^•ÉÁ	FF€Áç^\c^à\æc^Áæĕ}æÁ &[{]¦ãiāj*ÁrJÁ {æ{{憣ÑiÌÁsãå•ÉÁ HJÁ^]œÃr•ÁæjåÁ[ĭ¦Á æ{]@ãsãæ)•ÉÁ Á
7 cbgYfj Ułjcb' g][b]ZWUbligdYWJYg' fYWcfXYX'	Ú•^ˇå[{ ^•Æ&@e}]{ æ}ǽÁ Y ^•œ'¦}ÁÚ^àà ^Ë;[ˇ}åÁ T[ˇ•^ÁÇÚIDÁÁ	Ú•^`å[{ ^•Æ@d}{æ}āÁ Y ^•œ'¦ÁÛ^àà ^Ë { [`}åÁT [`•^ÆÇÚIDÁ	Ú•^*å[{ ^•Æ@d]{ æ)æÁ Y ^•œ\}ÁU^àà ^ÁT[*•^ËÁ ÇÚI DÁ QU}^Á[8æH]^Á!æ³}æã&æ)æÁ •]^8法Á;æÁ^&[¦å^åÁ å*¦æ;*Æ@Á*¦ç^^ÊÁ@Á Ô@&[ææ^Á*ææq^åÁÓææÁ ÇÔ@d;[['à*•Á;[¦æ;DDÁ	Ú•^`å[{ ^•Æk@ed}{ ædjæMÁ Y ^•∞'¦}ÁÚ^àà ^Ë[[`}åÁ T[`•^ÁQÚIDÁ Á	Ú•^`å[{ ^•Æ@d} { æ) æ Y ^• c^\}ÁU^àà ^Ë { [`}åÁT [`•^ÁÇÚI DÁ Tæ&'[å^\{ æÁ*æ Á Õ@• cÁÓædÁÇX` DÁ Á
HUI cbca]WWI Ub[Yg` Zcf`WcbgYfj Ur]cb` g][b]Z]WUbhgdYV]Yg`	Þ[}^Á	Þ[}^Á	Þ[}^Á	Þ[}^Á	Þ[}^Á

Þæ{ ^Áţ-Á* ¦ç^^Á	Tājāre^¦•Án>[¦o@Á Óā[[*ā8æ‡ÁŪ*¦ç^^ÁG€€ÎÁ	Tˇ}bā;adaba;åÁTā;ãc^¦∙Á Þ[¦c@ÁÇŸad;åãAPˇàDÁ Øæĕ}æAQE•^••{^}oÁ G⊖€JÁ	Tājāro^¦•Án>[¦o@AŠ^ç^ ÁGÁ X^¦o^à æe^ÁZæĕ}æÁ Ù`¦ç^^ÁGÆEFÏÁ	Tājārc^¦•Áp[¦c@Á[Á ŸæjåāāÛāj* ^Áú@æ•^Á Š^ç^ ÁCÁØæĕ}æÁæjåÁ Ö^cæāj^åÁ Ø[[ææX^*^cæaāj}Á Ù`¦ç^^ÁÔ[¦¦āā[¦ÁG€FÏÁ	ÒæroÁÚæ&\•æåå ^Á Š^ç^ ÆÁX^!d^à!æd^Á Øæč}æÁUc°å^ÁŒF€Á
Gi fj Ym`]a]hUl]cbgʻ	W, ā^ ^Á[Áæ Áç^ c^à æe^Á -æ} æÁ]^8æ*•Át Á@æe^Á à^^}Ás^c/8c^寿*ÁzÁ ^•` c/^Á-@Á;*Á] Ë •^•c^{ ææ8A;æt] ā*Á { ^c@ å[[*^LÁ^8[[*ãæÁ æ*•[Æ; å&æe^åÁc@æA •^æ*[}æ#\$[}åäāā] •Á C&[[Á;å* @•ÊX; [å^!æe^Á åæêÆ^{]•D¼ æêÁœæç^Á ^å*&^åÁ@!]^c[æĕ}æÁ å^c/8ca] }ÈÁ	P[dæs ^Á,^ææ@ Á &[}åāā]}•Á ^¢]^ å}&\åáāi]}•Á ^¢]^ å}&\åáāi]}•Á @\Á*\;c^^Á;æ\Áææ;^Á ai ai^å\æ&aiai Aj*A &\;cæaj\Áæ}\ææi\fi_]•Á **&@\&æi\ae\áe\áe\áe\áe\áe\áe\áe\áe\áe\áe\áe\áe\áe	P^æç^Áæij -æ Áå' æ^A Tæ8@AGEFÏ Áå^ æê^åÁa@Á •^8[}åÁ^æ[]Ài' ç^^Á æ)åÁ8æë•^åÁæ8&*•Á !^•dæ6æi]ð *Ái Áæ^^Ái, Á c@Áiæi]ð *Ái Áæ^EÁ !^•' cð *Æi Áæ^^Áj *Á ^•cæi]ã *Ái Æ^•Æi Á **Ö *Ái Æi Æi Æi Æi Á Ö *Ái Æi @åÉi Ö *Ái Æi Æi Æi Æi Æi Æi Ö *Ái Æi @åÉi Ö *Ái Æi Æi Æi Æi Æi Ä Æi Æi Æi Æi Æi Ö *Ái Æi Æi Æi Æi Ä Æi Æi Æi Æi Ä Æi Æi Æi Æi Ä Æi Æi Æi Ä Æi Æi Æi Ä Ä Ä Æi Ä Ä Ä Æi Ä Ä Ä Ä Ä Ä Ä Ä Ä Ä	V@Ái`¦ç^^Á, æ Á &[}å`&c^åÁi`¦ā*ÁæÁ •ā;* ^Ár^æ[}Ái} ^Ágā¦^Á •^æ[}DÁo@æÁ^å`&^åÁ c@Áæääāc`Á[Æi^c^&cÁ •[{ ^Áæ`}æĚÁ	Þ[ơÁ]^&ãð\åÈÁ

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Ô[}• ĭ æ;) cÁ	Ò&[[*ãæÁÒ}çã[]{ ^}oÁ	Tæ`}•^∥ÁCE•dæ†ææÁ	OE•d[}ÁÖ}çã[}{ ^}œqÁ Ù^¦çã&^•Á	Óą[[* &AÁ	Ò&[[*ãæÁÒ}çã[]{ ^}cæÁ
Š^ç^ Á;Á ^¢]^¦ã^}&^Á;Á &[}•ઁ æa}oÁ	Ø[ˇ¦ÁÛ^} ā[¦Á Z[[∥[*ã·œÁ	V¸[Án&[[*ãrorÁ+[{Á Óæ(-{¦åÁÔ[}•* æ]*Ás)Á &[}Ď}&æ[}Å,ão@Ácæ-Á √-[{ÁTæ}•^ Á CŒ•dæ†áæÁ	U}^ÁÚ¦āj&ājæþÆ[[[*ãroÁ	V¸[ÁÛ^}ā[¦ÁZ[[[[*ãro°ÉÁ U}^ÁP^¦]^d[[*ãrdÉÁU}^Á Ü^•^æ&@Áæ••ãræa}dÁ	V, [ÁÛ^}ā[¦ÁZ[[[*ãro•ÁÁ Q;}^Án]^&ãadpäāj*Ás[Á [¦}ão@[[*^DÁ
Š[&æaā]}Án,—Án, ˈlç^^Á ā,Á^ æaā]}Án[Ás@āÁ • `'lç^^Á	Qc^¦•^&;•^&;•ÁŌPÖÁG€G€Á •`¦ç^^Á;;;•^æ;A Á	()), c^\&o ÁÖPÖÁG€G€Á •`¦ç^^Ásd^æÐÁ	Š[&æe^åÁæd] ¦[¢ã[æe^\ ^ÁnH∈Á \{Án[`c@_^•o4[√ÁÕPÖÁ G€G€Án`¦ç^^Áæd^ædÉÁ	Š[&æc^åÁæd]] [¢ã[æc^ ^Á HEÁ{ Á^•oÁ;Áx@ÁŐPÖÁ GEGEÁ* ç^^Áæd^æÉÁ	Š[&æe^åÁæd] ¦[¢ã[æe^ ^ÁnHÁ \{Án[ĭc@]^•o4[-ÁÖPÖÁ G€G€Ánĭ¦ç^^Áæd^ædÁ
Öæe^• A[-Á* ¦ç^^ Á	FJËHEÁTæ&®ÁG€€ÌÁ	GHÁÁGÌÁÛ^]c^{à^¦Á G€€HÁ	F€ÏFJÁQI;¦áJÁG€F€Á	ÍËF€ÁTæÍAG€€IÁ	JËFHÁTæÍÁG€€ÐÍÁ
Ù^æ•[}æţÁ &[}åãāā]}•Áå`¦āj*Á æ)åÁşAó@Á;ā;Á {[}c@Á;¦ā;¦ÁgÁ c@Á`¦ç^^Á	QÁ [] c@Á ^8\å # Á c@Á c å ÊÞ \ { ap Á ^8\ão ^å Æ \ [• oÁ = # Á ^8\ão ^å Á [• oÁ = # Á A @ ^ o ^ lÉ	Þ[ơÁ]^&ãðåÁ	CIII	<pre>aaaa*Aa@A*¦ç^AæA []aaæEA[[, aa*A •^ç^!æA[[]c@A[A@æç^A</pre>	

Þæ{ ^Á; -Á* ¦ç^^ Á	Tælājlæ)ælÔ¦^^\Á ÇŸæ)å aÐÁQ[}ÁU¦^ÁTāj^Á T[åãa38æaā[}ÆŠ^ç^ ÁGÁ Øæč}æAÙ`¦ç^^ÁG€€É]Á	Ÿæ)åã1Šã^Á;-ÁTā,^Á Ø∥¦æÁæ)å <i>ĥØ</i> æĕ}æ <i>Á</i> O€€HÁ	Úæ&\•æåå ^Áv^•dÊÁ X^*^œæā[}Áæ)åÁØ[¦æÁ Ù`¦ç^^Áæ)åÁØæĕ}æÁ OE••^••{^}dÓeEF€Á	Úæ&\•æåå ^ÁÜæ)*^Á Ó4[[*&&æ‡ÁÛ`¦ç^^ÁŒ€IÁÁ	ÜŐÚÍÁA2æĕ}æÁÜ`¦ç^^ÉÁ S`¦¦æbĭ¦æÁÚããāj*Áq[ÁŸæ)åãÁ Y^^ÁEÁSJ& `åāj*ÁŸæ)åãÁ Ü^]^ææ\¦ÁrÁG€€ÈÁ
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Ù`{{ æ}^Á;~Á •`¦ç^^Ár&@ã`^•Á æ}åÁ`¦ç^^Á~-[¦oÁ	Š^ç^ ÁGÁæĕ}æÁ* 'ç^^ KÁÁ V!æ]] ā * Á; && `!; ^å ÁærÁ Î Á; &ææã; } • ÉV[æḍÁ • ^• æ^{ æææðá; æð; ā æðá • ^• æ^{ æææðá; æð; ā æðá ^~; œæð Á; ā æðá; æðá ~} ^• ÉÖ lã; œðá; æð • ÉÁ æ) å Á&æð ^ Ásæð • ÉÁ æ) å Á&æð ^ Ásæð • ÉÁ Þ[} Ē^• æ^{ æææðá dæð] ā * Ár-7; loÁ &[{] !ã ^å ÁrÎ ŒÁ { ā ` æ • Á; Ásã åÁ &^} • ĕÁÍ]][!ċ } ã ææðá { ā ` æ • Á; Ásææðá !^&[åä * • Áæ) å ÁrÎ Œ Á { ā ` æ • Á; Ásææðá !^&[åä * • Áæ) å ÁrĨ Œ Á { ā ` æ • Á; Ásææðá !^&[åä * • Áæ) å ÁrĨ Œ Á { ā ` æ • Á; Ásææðá !^&[åä * • Áæ) å ÁrĨ Œ Á { ā ` æ • Á; Ásææðá !^&[åä * • Áæ) å ÁrĨ æ Á; • ^æ&æð; * ÉÁÁ	Ù ' ç^^ Ás+ ^ æ Á æ Á dæç^ • ^ å Á; } Å; [o Á [[\ ā * Á; Á; [o Á] ^ à à ^ Á; -Á] ^ à à ^ Á; [` } å • Æ Óāà ʿ Á à ` [, • Ás+) å Á Ù] ^ & Cæ& ^ å ÁP æ † Č Ě Ý æ æ Å Á §	\$\con_\langle \frac{A}{\text{ex}} \text{ex}\con_\langle \frac{A}{e	Š^ç^ ÆÂæĕ}æÁ U]][ċ`}ācæÁ^æ&@•ÊÁ }[&ċ'}æÁ^æ&@•ÊÁ }[&ċ'}æÁ^æ&@•ÁæġåÁ cæ*^c^åÁæĕ}æÁ;^ ç^^Á c%@ã`^•Á¸^!^Á.•^åÆjÁ &[{àā;ææí}}Á¸ãoæÆjÁ •^•c^{{A[!ÁsæcÆæjÁ •^•c^{A[!ÁsæcÆæjÁ •}*•ÆÆjÆj*•Á æ)åÁÁÁ;ā¸c°•Á,-Á æ)åÁÁÁ;ā¸c°•Á,-ÁA æ)åÁÁÍ;ā¸c°•Á,-ÁA æ)åÁÁÍ;ā¸c°•Á,-ÁA æ)åÁÁÍ;ā¸c°•Á,-ÁA æ)åÁÁÍ;ā¸c°•Á,-ÁA æ)åÁÁÍ;ā¸c°•Á,-ÁA æ)åÁÁÍ;ā¸c°•Á,-ÁA æ)åÁÁÍ;ā¸c°•Á,-ÁA *}åA;cæà^}ÈÁ	Š^ç^ ÁFÁQæĕ}æÁ* ¦ç^^KÁV@Á • ` ç^^ÁS[{] ã^^å&æÁ[œAÁ.Á []][č}ã.œAÁ.æ&@;*Á []][č}ã.œBÁ.A^æ&@;*Á [][č}ä.æBÁA.æ&@;*Á []&č }æÞÆ&![••ÁæÁ[œAÁ.Á][&č }æÞÆ&![••ÁæÁ[œAÁ.Á][&č }æÞÆ&![••ÁæÁ[æAÁ.Á]*iæĎ æÁæåä,*Áæ)åÁ Yæ)åæÄÜ\]^ææ\!ÁFÁ,æA • ` ç^^^åÁ[!ÁæÁ[æAÁ.Á @` ` •Æá,&)*áA dæ)•^&oÁ.Æá[æá£Á.Á c@ Áæ&&^••Á[æá£Á.

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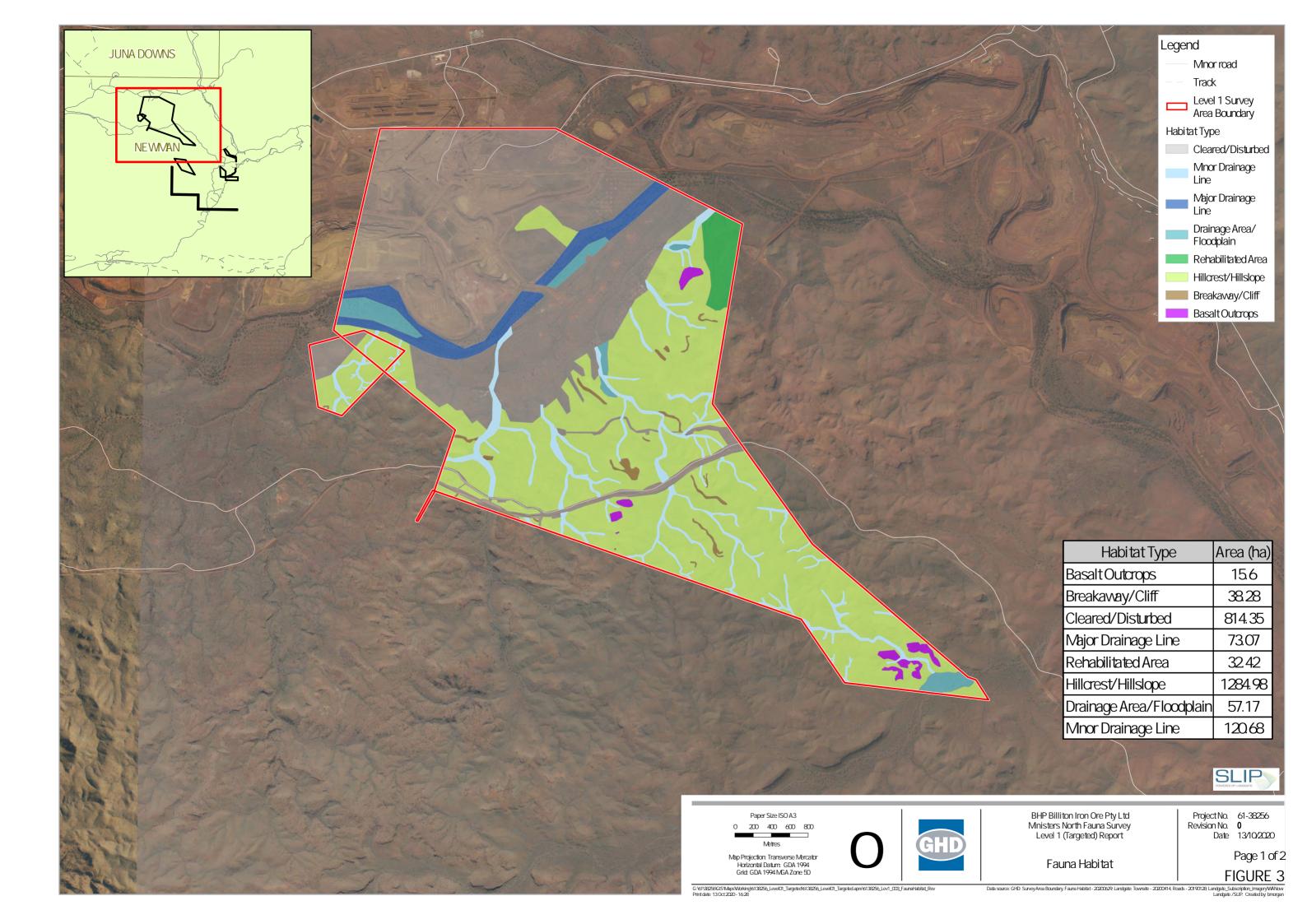
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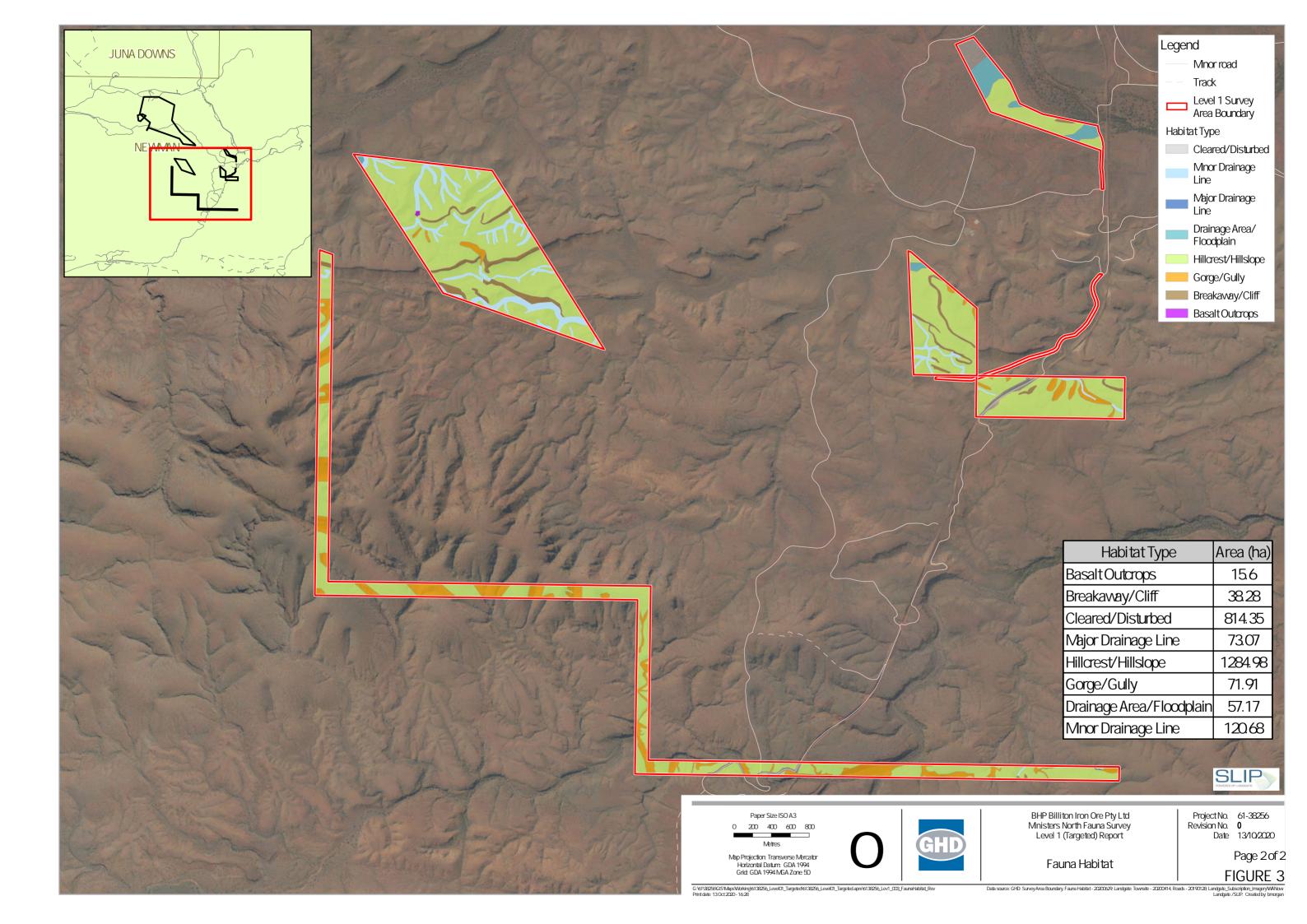
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Chocolate Wattle Bat

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V@Á^• ˇ | o Á; Ác@Ázzà* ^ c^åÁÞā @ÁÚzঠ[cÁ* ˇ | ç^^Ázò Aàzò ^Áàzò ^åÁ; } Áāç^Á[8æzā] } • Á; @ \ ^ÁÓāåÁOz8[ˇ • æðÁ Ü^&[¦å^¦ÁÙT | Á; Á; ão Á; ^¦^Ás^] | [^^åÁ[¦Ázó\$[{ àā, ^åÁ[cæþÁ; Árí Á; ā @ Á; Æsā] æsē[ˇ • æðÁ^&[¦åā, * • ÈÁ OZÁ[cæþÁ; Á Ì Ê JHÁzsē[ˇ • œðÁå^c^8æā] } • Á; ^ \^Ázò æf • ^åÁ[¦ÁÞā @ÁÚzò | [dĚÞ [Á8æþ|• Á; ÁÞā @ÁÚzò | [o Á ¸ ^ | ^Ás^c^8c^åÈÓæþ|• Ác@æó; ^ | ^Ás^c^8c^åÁ; ^ | ^Ázò ^ œáðàÁ | [{ ÁG ÁR[{ { [} Á] } Ézò * ^cÁsāåÁ] ^8ð§ • Á ā, 8] * åā, *ÁCE • dæþæð; ÁU , | ^cË, ā @bzò Áæ) åÁY @ár Ë | ` { ^åÁP [} ^^*ær | ÈÁV@Á8æþÁ+^~ ˇ ^} 8; Álæ) * ^Á; -Á

HUV'Y'% '6]fX'ZUa]']Yg'fYVIcfXYX'Xi f]b['H\Y'Z]Y'X'gi fj Yng'

Óã åÁ Đế ặt Á	Þ[ÞÁ,-Á,]^&&•Á
OB&aa) c@a añae\Á	FÁ
O28-8-4) at an a⇔ Á	ΙÁ
OErcæ{añae∿Á	GÁ
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Ôæ{]^] @æ# ãñæ AÁ	GÁ
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Ô[¦çããæ^Á	FÁ
Ô¦æ&æææA	GÁ
Öä&æº ããæº Á	FÁ
Ö&&Li kana an Airi	FÁ
Ò•d đà đà đà đà đà	GÁ
Øeq&[} ãia æ^Á	GÁ
Tæ ĭ¦ããæ®Á	GÁ
T^ ā] @e# ããæ Á	ÍÁ
T^{[] ããæ^Á	FÁ
T[}æk&@maæ^Á	FÁ
T [cæ&á aíaæ\Á	FÁ
Úæ&@&^]@ajaae^Á	GÁ
Úætåæt[comæte Á	FÁ
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Ú• ãmæ&* ããæ• Á	GÁ
Ü@Ŋäãi¦ããæ^Á	FÁ
HcHJ"	(\$

(''&'' F Ydh]`Yg`

HUV'Y'%('FYdh]'Y'ZUa]']Yg'fYWcfXYX'Xi f]b['h\Y'Z]Y'X'gi fj Yng'

Ü^] cap^ÁØæ ap Á	Þ[ÞÁ,-Á•]^&&•Á
OE æ{ ããæ ÁÇÖ¦æ [}•DÁ	FÁ
Ò aṇ ãã æº ÁÇÙ} æà ^• DÁ	FÁ
Ù& 4, & 6 a a e 4 k k k k k k k k k k k k k k k k k k	HÁ
Xælæ) ઁ•ÁÇT[}ã[¦•DÁ	HÁ
HcHJ.	, .

("%"('=bhfcXiWTX`gdYV¶Yg`

 $T = \{ \{a \neq A\&[\{] \mid \tilde{a} \wedge \tilde{a} \land \tilde{a} \Leftrightarrow A[\{] \mid \tilde{a} \wedge \tilde{a} \land \tilde{a} \Leftrightarrow A[\{] \mid \tilde{a} \wedge \tilde{a} \land \tilde{a} \Leftrightarrow \tilde{$

- •Á ÔæÁØ^/ãÁ&æ*•DÁ
- •Á Ö[*ÁQÔæ) ã Áæ; ðjáædð ÞÉÁ

Á Á

("Á 7cbgYfj Uhjcb g][b]ZJWUbhZUi bU

V¸ [Á&[}•^lçææā[}Ánāt}ãã&æ)oÁæĕ}æÁn]^&an•Á,^l^Án^&[lå^åÁ,ão@a,Áo@Ai*lç^^Áæd^æÁs*lã,*Áo@Aa*låÁ •*¦ç^^KÁ

- $\bullet \acute{A} \qquad \Upsilon \land \bullet c \land \dagger \acute{A} \acute{A} \land \dot{A} \land \dot{$

 $V@\dot{A}[8eeq\bar{a}] \bullet \dot{A}[-\dot{A}ee] \dot{A}S[\} \bullet \land [caeq\bar{a}] \dot{A} \cdot \bar{a}] \tilde{a} \tilde{a}See) c\dot{A}ee \tilde{A}] + \dot{A}ee \tilde{A}[-\dot{A}ee] \dot{A}S[+\dot{A}ee] + \dot{A}ee \tilde{A}[-\dot{A}ee]

Likelihood of occurrence assessment

HUV'Y'%) 'Gi a a UfmcZ']_Y']\ccX'cZcWW ffYbW 'UggYgga Ybh'

Ù] ^&&•Á	ÒÚÓÔÁ O&A	ÓÔÁŒŒÁ ÖÓÔŒÁ	Œ•^••{ ^}ơÁ, ˇơઠ[{ ^Á
6]fXg ⁻			
Ü*-{*•ÁŐ læ••¸ l^}Á ÇŒ(*^q':}ãrÁndãæc*•Á •*à•]ÈÁ, ©ác∿aDÁ	Á	ÚI Á	@_Ymřžv@ ÁP ā &\^• ŒÁP ā • []^Á@æàāææó\$[{]¦ār^• Á Viājāāæáj @B&@Á; æàÁa^Áæ*^Á?]`* @ÁjÁ^• oÁs æb@`* @ÁœÁ*;!![`}åāj*Áæ6^æ Áææç^Áæ**^!Á]ææ&@•Á;Á]ājā^¢Á; @B&@Á; æáÁa^Áæç[`!^åÁa^Á c@áÁ]^&&;• Ěv@Á& [•^• cÁ}[;}Á^&[¦åÁæÁ [&ææ^åÁJĚÁ{Á[`c@æ•cÁ;ÁœÁ*;ç^^Áæ6^æÈ
Ú^\^*¦ā^ÁØæţ&[}Á Øæţ&[Áj^\^*¦ā*•DÁ	ËÁ	UÙÁ	@YmÉÀ` ãæà ^Á@æàãææÉaÁ; \^•^} cÁ; IÁc@Á •]^&&•Á¸ãc@àÁc@À* Iç^^Áæ4^æÁæ) åÁ* II[*} å•Á ÇTæb; IÄÖ æä; æ*^ÆŠä,^ÆÖ[!*^ÆÕ*) ^DÁæ; åÁc@Á •]^&&•ÁaÁ[;} À[;} Á;[{ Ác@Á^*ā;} ÈÓ@Æ&[•^•cÁ I^&[¦åÆaÁ[&ææ^寿]];[¢ā; ææ^ ^Ä.€€Á; Áræ•cÁ; Ác@Á c@Á**;ç^^Áæ4^æÆÁ
Õ¦^^ÁØæ†&[}ÁÁ Øæ†&[Á@][^*&[•DÁ	Á	ΧˇÁ	@_YmÉÀ) ~ ãzæà ^Á@æàãzææá Á; \^•^} cÁ; Ác@Á •]^&&ì•Á; ãz@á; Ác@Á ~ ¡ç^^Áæb^æáæ) åÁ ~ ¡![~} å•Á ÇTæb; ÄÖ æā; æ‡^Æšā; ^•ÆÖ[!*^EÖ` ^DÁæ) åÁz@Á •]^&&ì•Ás Á; [_; }Á; [{ Ác@Á^*ā;}ÈÁ @Æ\$ [•^•cÁ ^&[¦åÆiÁ; &ææ°åÆaj] ![¢ā; ææ° ^ÆTIÁ{ Á; [¦c@Á,-Á c@Á*; ç^^Áæb^æ£
A Uaa Ugʻ			

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Ù] ^& ã •Á	ÒÚÓÔÁ Oæ∂Á	ÓÔÁŒŒÁ ÖÓÔŒÁ	Ο≣•^••{ ^}σή(`α&[{ ^Á
Õ @ • oÁÓææÁ ÇT æ&![å^!{æÁ*ã*æ•DÁ	X Á	ΧˇÁ	? bck bĒV @ Á] ^ & ð • Á æ Á^ & [å^ å Å; ãæÁ^ å å * Á ^ çãa^ } & ^ Æ Å
Y^•¢^¦}ÁÚ^àà ^Ë {[ˇ}åÁT[ˇ•^Á ÇÚ•^ˇå[{^•Á &@#]{æ)aÐÁ	Á	ÚI Á	? bck bÈV@Á]^&ã•Á, æÁ^8[¦å^åÆjÁæÁ Pāļ&i^•ŒPāļ• []^Á@æàãææÁ;ãæÁ@ãÁ;^àà ^Á;[`}åÁ •d`&č¦^•ÆY[`}å•Á,^¦^Áæ•^^•^åÆæÆæã;^ÆÁ ā;æ&æ;^Æ;åAæ}åÁ^&^}d^Á;[}Ëæ&æç^È
Þ[¦o@¦}ÁÛ`[ÆÁ ÇÖæ•^`¦`•ÆÆ∰'&æĕ`•DÁ	Ò} Á	Ò} Á	@_Ymtèv@ÁÕ[¦*^ÞÃÖˇ]ſÁse)åÁÓl^ækæ;æ£ĎĺãÁÁ @æàãææÁsĵ^^Áj!^•^}œÁ¸ãæàl/Á@æàãææÁsá¸Á¸Ĭ][¦cÁ cœàÁ]^&&*•ÁÇ;¦æð;*Áse)åÁsa^}};*DÉA, @\$^Ás@Á Tæth!ÁÖlæájæ*^ÁŠā;^ÁœæàãææÁ;æÁs^À•^åÁ []][¦č¸ã;cæææl/ÁsejåÁ;¦Ásãã]^!•æþÉv@Ásl[•^•cÁ !^&[¦åÁ;ÁsæáÁ]^&æòÁsáð]![¢ã;ææ^ ´Âì€ÉÁ;Á }[¦cœÁ;ÁsæÁ;}Áse^Áseá;^¦ææÅi¸iā;*Ás@Á •ˇ¦ç^^ÉÁ
FYdh]`Yg'			,
Úđạ a a a a a a a a a a a a a a a a a a a	Á	ÚFÁ	@_Y`m'Pæàāææfā Á;\^•^} cÁ[¦Ás@āÁ]^&ā^•Á]ædæ&` æb ^ÁgÁs@Á[&\^Á^ææ`¦^•Á¸ās@gÁs@Á Õ[¦*^ĐÃO` ^ÈÁV@āÁ]^&&A•Á;æÁ^&{¡å^åÁgÁs@Á Š^ç^ ÁCÁ`` ç^^Áæ^æÁ;ās@gÁÖ[¦*^ĐÕ` ^Á@æàāææÁ ÇÕPÖÁO€G€ŒTĂ
Ú∄jàælæÁU ãç^ÁÚ^cQ(}}Á ÇŠãælē ã Ájlãçæ&^`•Á àæl¦[}āDÁ Á	Χ̈́Á	ΧˇÁ	@_YmYÁCEÁÚāàæaæÁU āç^ÁÚ^cQ} } Á 8æeÁ, æeÁĮ* } åÁ , ão@jÁæÁ,^æàà^ÁÕ[!*^EÁÖ* ^ÁgÁUc*å^ÁOE^æÁCÁæeÁ c@Ácã, ^ÁjÁœÁ*!ç^^ÁÇÕPÖÁGEGEDÁæ; åÁc@Á & [•^•oÁ}[,}Á^8[!åÁæÁ[&æe^åá¸ão@jÁGEG€[ÁA }[!c@æeÁ;ÁœÁ*!ç^^ÁæAæÁU*ãææiåæÁ\$]!^•^}cÁc@[**Q*oÁœÁÖ[!*^EÕ* ^ÁœæàãææÁ\$]^ÉÁ UāàæææÁU āç^ÁÚ^cQQ}ÁæA[c*6å^c*8c*åÁ[}Ác@Á !^{[c*Á8æé,^!æeÁ&*!ā]*Ác@Á*!ç^^ÉÁ
ÚđàælæÓælð, *ÁÕ^&\[Á ÇM}å^!, [[åãæ';'•Á •^[¦•`•DÁ	Á	ÚGÁ	@Ym/"V@Á*¦ç^^Áx±^ax&[}cæā,•Á*ãæà ^Á @æàãææÁ[Á*]][¦cÁc@àÁ]^&&•ÁtÕ[¦*^EÕ* ^Áxæ)åÁ Pā &\^•ŒPā • []^Á@æàãææEŽV@Á&[•^•cÁ}[¸}Á ^&[¦åÆáÁ[&æe*åÁæ]]¦[¢ā[æe* ^ÁİĚÁ{Á[*c@Á-Á c@Á*¦ç^^Áxe

Fauna species recorded in the survey area

K YghYfb DYVV Y!a ci bX A ci gY fl Pseudomys chapmaniŁ Á

V@ÁY^•c^\}ÁÚ^àà|^Ë; [ˇ}åÁT [ˇ•^Áās Áã cºåÁse ÁÚ¦ā; ¦ãc Á;Á;}å^¦Ás@ÁÖÓÔŒe;ÁÚ;ā; ¦ãc Áæĕ}æÁã cā; * ĚÁ

Þæc '/ TæjÁl^8[¦å•ÁÇÖÚæYÁG€€Ï. DÁBjå å&æævÁc@áÁ•]^8&ð•ÁæíÁjáaváæÁ ¦^* ā[}ÈÁP[¸^ç^¦Ác@áÁ•]^8&ð•ÁæíÁ}[¸}ÁqíÁà^Á*^}•áæð°ÁæíÁj[j*|ææāj}•Áæð^Á \}[¸}ÁqíÁå^8&jā^ÁgiÁæó^æéÁ;Á%bóo*æíÁj[]*|ææāj}•Áæó^Á \}[¸}ÁqíÁå^8&jā^ÁgiÁæó^æéÁ;Áæó^æéÁ;Ásæó°æéÁ;Ásæó°i}æði/æíðí

HUV'Y'% 'K YghYfb 'DYVV'Y!a ci bX'A ci gY'a ci bXg'fYVlcfXYX']b 'h\ Y'gi fj Ym'UfYU'

		_		
Òægaj*ÁÁ	Þ[¦c@a]*Á	Öæe^A[à∙^¦ç^åÁ	PæàãææÁ	OEScāç^EÁS, ÁndScāç^Á
ÏFFÍÌHÈÈ€Á	ΪΙÌΗΗJΙĚΗÁ	FFB€J£0€€FJÁ	Pã∥&¦^•œAPã∥•∥[]^Á	T[ˇ}åÁÇæ&cãç^DÁ
Ï FFH HFÈ J€Á	ΪΙÌΗĴΗĒΗÁ	FFB€J£0€€FJÁ	Pã∥&¦^•dÐAPã∥•∥[]^Á	T[ˇ}åÁÇæ&cãç^DÁ
Ï FFGÏ Í 🔁 Î Á	ΪΙÌΗΪĠÏĒÌFÁ	FFB€J£0€€FJÁ	Pã∥&¦^•dÐAPã∥•∥[]^Á	T[ˇ}åÁÇæ&cãç^DÁ
Ï FFFJJÈÎ Á	ΪΙὶΗΪΘÎΕΪΙΑ	FFB€J£0€€FJÁ	Pã &¦^•dÐAPã • []^Á	T[ˇ}åÁÇAjæ&cãç^DÁ
Ï€JÎÎÎÈEHÁ	ÏIÌŒŒÈEÁ	FFB€J£0€€FJÁ	Pã∥&¦^•dÐAPã∥•∥[]^Á	T[ˇ}åÁÇæ&cãç^DÁ
ÏG€HÏÌÈÈGÁ	ĬĬĬĺIJÏĖĠJÁ	FFB€J£0€€FJÁ	Pã &¦^•dÐAPã • []^Á	T[ˇ}åÁÇæ&cãç^DÁ
ÏŒÍÌJÈGJÁ	ΪΙΪÍÍÍ €ÈF Á	FFB€J£0€€FJÁ	Pã &¦^•œÆPã • []^Á	T[ˇ}åÁÇa&kaãç^DÁ
ÏG€HÎÈÉÍÁ	ΪΙΪÍÎÌ€ĚGÁ	FFB€J£0€€FJÁ	Pã &¦^•œĀPã • []^Á	T[ˇ}åÁÇAja&&cãç^DÁ
ÏG€HFÍÉLJÁ	ΪΙΪÍÎÎĦĒÎÂ	FFB€J£0€€FJÁ	Pã &¦^•œĀPã • []^Á	T[ˇ}åÁÇAja&&cãç^DÁ
Ï FÌ Î I JĒ Î Á	ΪΙΪĴ€G€ÊΪΗÁ	FHB€J£09€FJÁ	Pã &¦^•œÆPã • []^Á	T[ˇ}åÁÇAja&&cãç^DÁ
Ï FÌ Í Î H È JÁ	ΪΙΪÍ JÍ FÈIGÁ	FHB€J£09€FJÁ	Pã &¦^•œĀPã • []^Á	T[ˇ}åÁÇæ&cãç^DÁ
ÏFÌIGÈÍÁ	ΪΙΪÎ F ΗΙΈ ΙΙ Á	FHB€J£09€FJÁ	Pã &¦^•œÁPã • []^Á	T[ˇ}åÁÇa&kaãç^DÁ
ÏFÌIG IÈ €Á	ΪΙΪÎFÍFÈHÁ	FHB€J£0€€FJÁ	Pã &¦^•dÐAPã • []^Á	T[ˇ}åÁÇæ&cãç^DÁ
Ï FÌ I Î JĒ Í Á	ÏIÏÎIÍÍĖ̇̀€Á	FHB€J£09€FJÁ	Pã &¦^•œĀPã • []^Á	T[ˇ}åÁÇæ&cãç^DÁ
ÏFJ€GÍÈ€HÁ	ÏIÏÎIHIÈHÁ	FHB€J£09€FJÁ	Pã &¦^•œÁPã • []^Á	T[ˇ}åÁÇa&kaãç^DÁ
Ϊ FÌ JJJ ÈH Í Á	ÏIÏÎIGIÊĞÁ	FHB€J£09€FJÁ	Pã &¦^•dÐAPã • []^Á	T[ˇ}åÁÇæ&cãç^DÁ
ÏFJ€GGÈÌJÁ	ΪΙΪΙĤΪŒĚÎÁ	FHB€J£09€FJÁ	Pã &¦^•œĀPã • []^Á	T[ˇ}åÁÇæ&cãç^DÁ
ÏFJJÌÏĒÎÁ	À IŒHHÌÏIÏ	FŒŒJEŒFJÁ	Pã &¦^•œĀPã • []^Á	T[ˇ}åÁÇæ&cãç^DÁ
ÏG€€IÎÈĒHÁ	ÏIÏÍI€JÈÍÁ	FŒŒJEŒFJÁ	Pã &¦^•dÐAPã • []^Á	T[ˇ}åÁÇæ&cãç^DÁ
ΪFJÏÎΙĖ̈́JÁ	ÏIÏÍI €HÈ ÏGÁ	FIEŒJEŒFJÁ	Pã &¦^•dÐAPã • []^Á	T[ˇ}åÁÇæ&cãç^DÁ
Ï FJÏ Ì JË FÁ	ÏIÏÍIJÌÈ€Á	FIEŒJEŒFJÁ	Pã &¦^•dÐAPã • []^Á	T[ˇ}åÁÇæ&cãç^DÁ
Ï FJÎ FŒĽJÁ	ÏIÏÍIÍHÈEÏÁ	FIEŒJEŒFJÁ	Pã &¦^•dÐAPã • []^Á	T[ˇ}åÁÇæ&cãç^DÁ
Ï FJÍ HFÐÏ Á	ΪΙΪΊΙÎÎĦ̈́Á	FIEŒJEŒFJÁ	Pã &¦^•dÐAPã • []^Á	T[ˇ}åÁÇæ&cãç^DÁ
Ï FJHÍ JĚGÍ Á	ΪΙΪÍÎÎΗĖĖΗÁ	FIEŒJEŒFJÁ	Pã &¦^•dÐAPã • []^Á	T[ˇ}åÁÇæ&cãç^DÁ
Ï FHI FÏ È HÁ	ΪΙΪΙŒFÌÈÈ€Á	FÎE€JE0€€FJÁ	Pã &¦^•dÐAPã • []^Á	T[ˇ}åÁÇæ&cãç^DÁ
ÏFHFÎHĚÍÁ	ΪΙΪΪFÌJĚHÁ	FÎEEJE®€FJÁ	Pã &¦^•œAPã • []^Á	T[ˇ}åÁÇæ&cãç^DÁ
Ï FHI JI È Í Á	ΪΙΪΪFÌΗ ÈH ÌÁ	FÎEEJEOS€FJÁ	Pã &¦^•dÐAPã • []^Á	T[ˇ}åÁÇæ&cãç^DÁ
Ï FHIÎ GËË HÁ	ΪΙΪΙĴĴĺĖÌÁ	FÎE9£J£09€FJÁ	Pã∥&¦^•œÁPã∥•∥[]^Á	T[ˇ}åÁÇa&6cãç^DÁ
ÏG€FJÍÈFÎÁ	ÏIÏÍ HH ĒÍÁ	FÎE9£J£09€FJÁ	Pã∥&¦^•œÁPã∥•∥[]^Á	T[ˇ}åÁÇa&6cãç^DÁ
ïG€GïHEÌÌÁ	ΪΙΪÍΗΙΪĖ̈́JÁ	FÎEEJE©ÆFJÁ	Pã &¦^•dÐRã • []^Á	T[*}åÁÇ^&^}d^Á ājæ&cāç^DÁ

Òæ• æ] * ÁÁ	Þ[¦c@a]*Á	Öæg^Ájà∙^¦ç^åÁ	PæàãææÁ	OBScãç∧ĐÁS, ÁscScãç∧Á
ÏG€HGÎĚÍÁ	ÏIÏÍ HI JĒÎÁ	FÎEEJE©⊖EFJÁ	Pā & ^•œĀPā • []^Á	T[ˇ}åÁÇ^&^}d^Á ājæ&aãç^DÁ
ÏG€HGIÈÈJÁ	ΪΙΪΙΉΙΙŒΠΑ	FÎE€JE©€FJÁ	Pā∥&¦^•œĀPā∥•∥[]^Á	T[ˇ}åÁÇæ&cãç^DÁ
ÏG∈HÍÍÈÈIÁ	ΪΙΪÍΗΙÍÈÌÁ	FÎE€JE©€FJÁ	Pã∥&¦^•œÁPã∥•∥[]^Á	T[ˇ}åÁÇæ&cãç^DÁ
ÏG⊖€ÍILĚGÁ	ΪΙΪÌΗJ€ÈΗÁ	FÏE£JE©€FJÁ	Pã∥&¦^•œÁPã∥•∥[]^Á	T[ˇ}åÁÇAjæ&cãç^DÁ
ÏFJÏHIÈĞJÁ	ΪΙΪÌΙΗGĒÎÂ	FÏE£JE©€FJÁ	Pã∥&¦^•œÁPã∥•∥[]^Á	T[ˇ}åÁÇæ&cãç^DÁ
Ï FJÎ Î FÐÎ Á	ÏIÏÌIÍGÈÉÎÁ	FÏE£JEØ€FJÁ	Pã & ^•œÁPã • []^Á	T[ˇ}åÁÇAjæ&cãç^DÁ
Ï FJÍ JÌ È FÁ	ÏIÏÌÍŒËÌÁ	FÏ B€JE©€FJÁ	Pā &¦^•ŒĀPā • []^Á	T[*}åÁÇ^&^}d^Á
ïfjìjœègiá	ΪΙΪÌΙ €€È FÁ	FÏE£JE®€FJÁ	Pã∥&¦^•œÁPã∥•∥[]^Á	T[ˇ}åÁÇæ&cãç^DÁ
ÏFHÍÍFÈ€JÁ	ÏΙΪΪF€ÍÈÌFÁ	FÎE€JE©€FJÁ	Pã∥&¦^•œÁPã∥•∥[]^Á	T[ˇ}åÁÇAjæ&caãç^DÁ
Ï FHI Ï I È Ì Á	ΪΙΪΪ ϜΗΪĖ ÌÁ	FÎE€JE©€FJÁ	Pã∥&¦^•œÁPã∥•∥[]^Á	T[ˇ}åÁÇæ&cãç^DÁ
ÏFĦÌÍÈÏÁ	ÏIÏÏ ŒŒÍ ÈÉÍ Á	FÎE€JE©€FJÁ	Pã &¦^•œĀPã • []^Á	T[ˇ}åÁÇæ&cãç^DÁ
ÏFHÍĴÏĚFÁ	ÏIÏÏ HH IÈGHÁ	FÎE€JE©€FJÁ	Pã∥&¦^•œÁPã∥•∥[]^Á	T[ˇ}åÁÇæ&cãç^DÁ
Ï FHÍJHÈHGÁ	ΪΙΪΪ Η Ή Β̀JÁ	FÎEEJEOS€FJÁ	Pã & ^•œÁPã • []^Á	T[ˇ}åÁÇæ&cãç^DÁ
ÏFHÍÏHÈÈÉÁ	ΪΙΪΪΙ€IË̈́FÁ	FΗB€JE09€FJÁ	Pã & ^•œÁPã • []^Á	T[ˇ}åÁÇæ&cãç^DÁ
Ï FHHÎ Ì È JÁ	ΪΙΪΪΙFJÈÍÁ	FÎEEJEOS€FJÁ	Pã & ^•œÁPã • []^Á	T[ˇ}åÁÇAjæ&cãç^DÁ
Ï FHÎ HJË FÁ	ΪΙΪΪÍ€€ÈΪÌÁ	FΗB€JE09€FJÁ	Pã & ^•œÁPã • []^Á	T[ˇ}åÁÇæ&cãç^DÁ
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ÏFHÎÏHĚHÁ	ÏIÏÏGF€ÈHGÁ	FÎE€JE©€FJÁ	Pã & ^•œÁPã • []^Á	T[ˇ}åÁÇæ&cãç^DÁ
ÏO€GGÜÈFÎÁ	ΪΙΪÍΗΙΙΕ̈́ÍÁ	FÌЀJÐЀFJÁ	Pā∥&¦^•œAPā∥•∥[]^Á	T[ˇ}åÁÇa&cãç^DÁ

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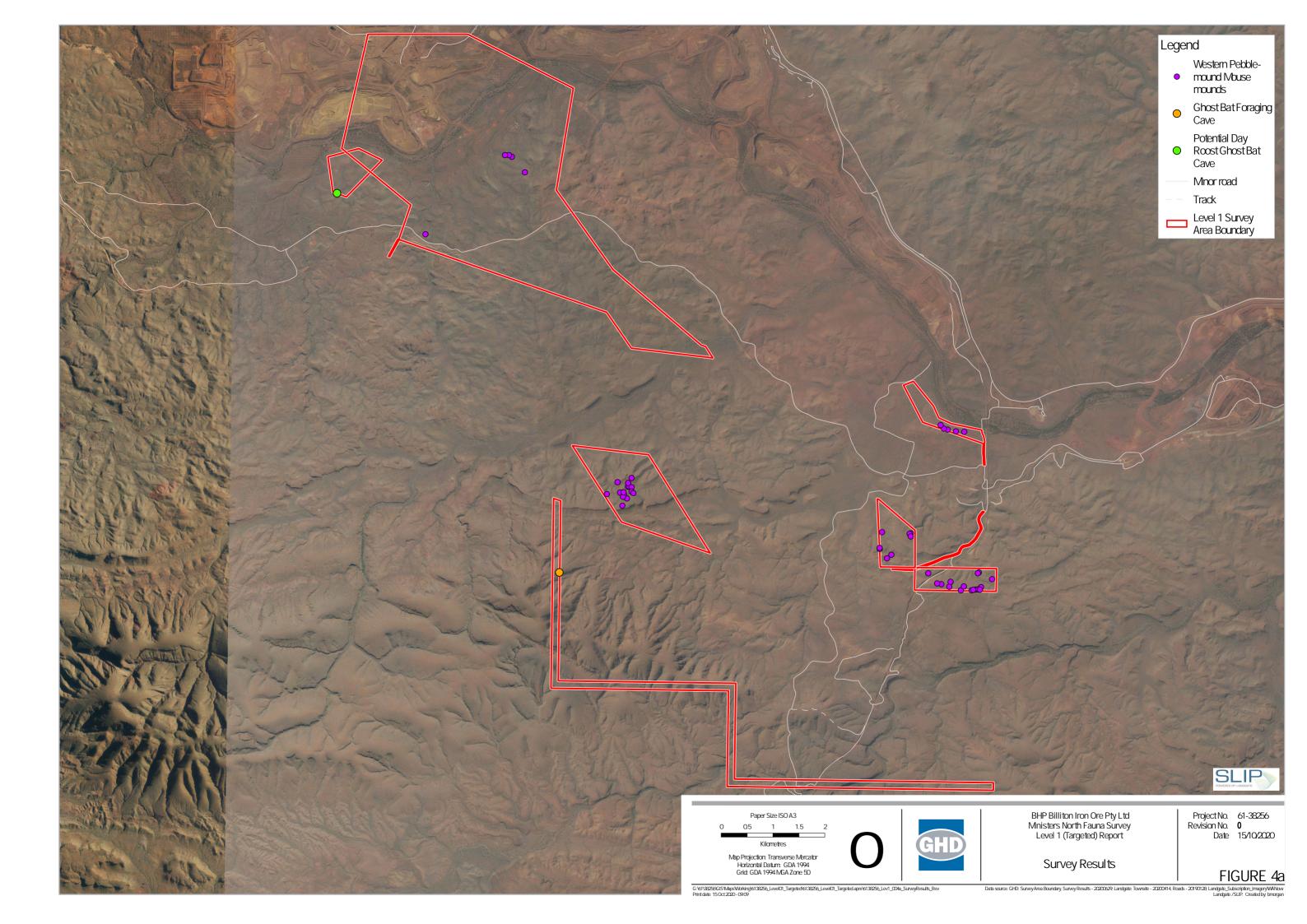
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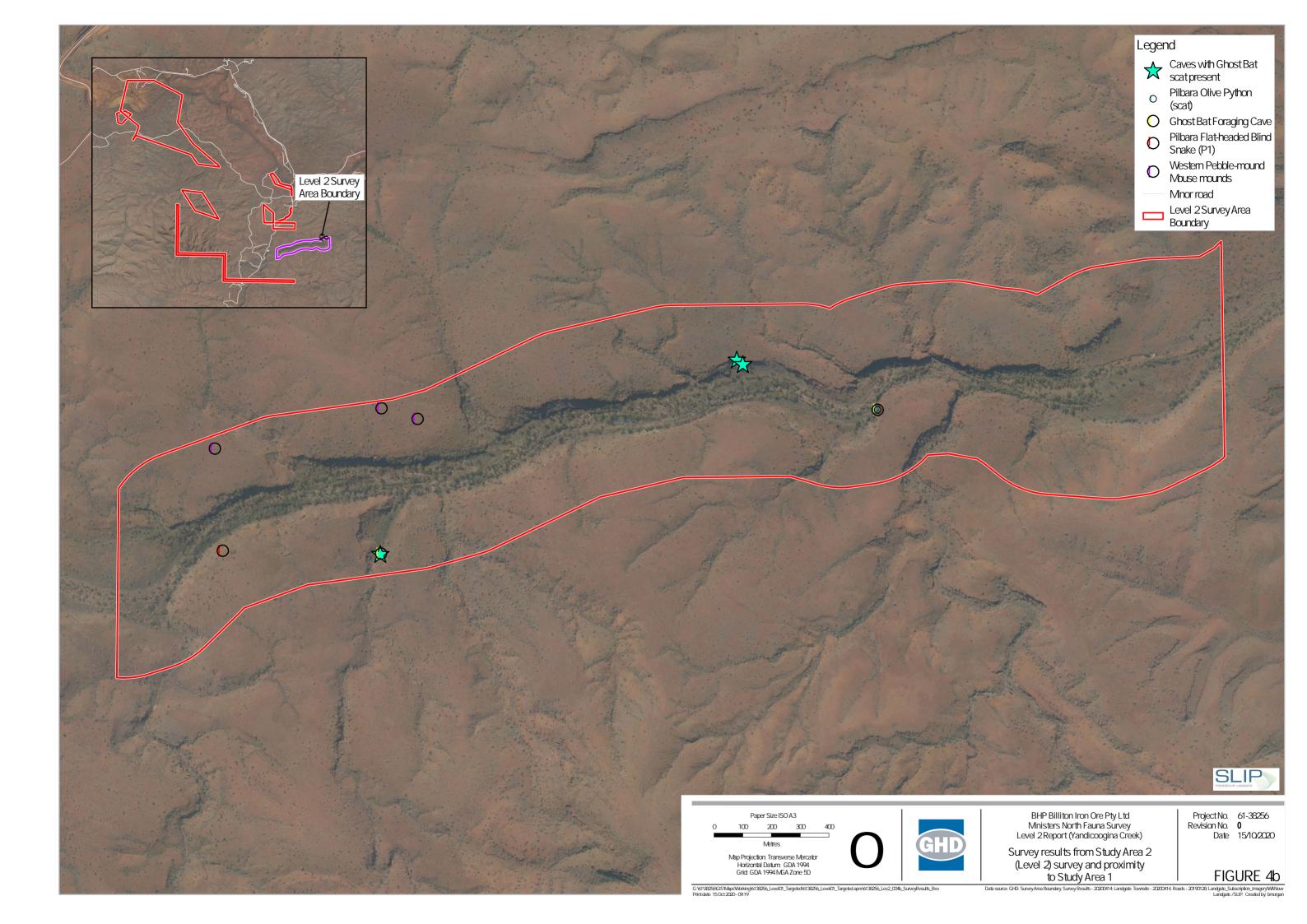
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 $\hat{O}8[\| [*\tilde{a}\tilde{a}\tilde{b}) \circ \hat{a}[] \{ ^ \} \hat{o}\tilde{A}\tilde{C} = \hat{D}\tilde{b}\tilde{A}\tilde{C} \hat{a} \tilde{a}\tilde{c}' | ^ AP[| c @\tilde{D}\tilde{a}| \| *\tilde{a}\tilde{a}\tilde{a}\tilde{A})' | ^ P \hat{D}\tilde{A}\tilde{A}] | ^ AD[] \hat{a}\tilde{a}\tilde{a}\tilde{A}'] | ^ P \hat{A}\tilde{A}\tilde{A}' | ^ P \hat{A}\tilde{A}\tilde{A}' | ^ P \hat{A}\tilde{A}\tilde{A}' | ^ P \hat{A}\tilde{A}\tilde{A}' | ^ P \hat{A}\tilde{A}\tilde{A}' | ^ P \hat{A}\tilde{A}\tilde{A}' | ^ P \hat{A}\tilde{A}\tilde{A}' | ^ P \hat{A}\tilde{A}\tilde{A}' | ^ P \hat{A}\tilde{A}' | ^$

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ÒÞXÁÐE •dæþáðaÁÇG€€JÐÉNT `} báj ædÁg åÁT áj ár æ\!•ÁÞ[¦c@ÁÇŸæ) åáÄP `àDÁÐæ`}æÐŒ•^••{ ^}dÉNV}] `à|ãr @ åÁ !^][¦dÁ¦^]æb^åÁţ¦ÁÓÞÚÁÓáláú;}ÁD;}ÁU¦^ÈÁ

 $\dot{O}\dot{U}OE\dot{A}COEF\hat{I} = \frac{1}{2}\dot{A}\dot{O}\dot{U}OE\dot{A}V^{A}. V^{A}.

ÒÚOZÁ ÇĐ€CĐETĒÁ ÒÚOZÁ V^&@ a8capÁ Õˇāā ap} &^Á. Á Ùæ{] |ā *Á { ^c@ å•Á -{ ¦Á c^!!^•d āæpÁ ç^!c^à!æc^Á æĕ} ææpÁpj åÁM/^&@ a8capÁÕˇāā æp} &^Á. ÁV^!!^•d āæpÁæĕ} æÁ•ˇ¦ç^^•ÈŹÚ^¦cœÉÃÒ} çã[} { ^} œæpÁÚ¦[c^&cã[} Á Œ cœ làc ÈÁ

ÕPÖÁÇŒŒŒĬĂŢããơ*ÁÞ[¦ơ∰Øæĕ}æÂÛ`¦ç^^ÈĞ^ç^|ÁĠÂÛ`¦ç^^ÈĞU^][¦ơÁ¦\^]æ\^åÁ[¦ÁÓPÚÁY^•ơ\}Á ΥdæãæÁQ[}ÁU!^ÈÁ

Tærov¦•ÈÁÚDÉÉÖÐAN{ æ)ÈÁÔHÜÁæ)åÁÔ¦[¸o@\bÉTÈÁŢÇЀ€HDÉÀÒ-^&orÁ[-Á&[ç^\Á\^å*&dā[}Á[]Á[; Á[*]æÆÁ Öærr^&^}&*/&*•Á&[ðind&ee*åæÁÇTæ4•*]ãæþáæhÁÖæerr*¦ãåæ*DÉÁ[å^}orÁæ)åÁ§ç^\orà|ææ^Á[]*|ææā[}•Á§Á&^}dæþÁ OE:•dæþáæbÁQ[]|æ8ææā[}•Á[¦Áæ)åÁ[æ)æá/[æ}æ*^{{ ^}deÁOE*•dæþÁÖ&[[/*rÁGÌÇÎDMÂÍÌ].ÎÎÍÉÁ

Tæĭ}•^||ÁŒ•dæpāæÁÇC€€HDĒÁŸæ)åããŠã^Á;ÁTã;^ÁØ[[¦æábæ)åÁØæĭ}æEÁN}]ĭà|ãr@åÁ^][¦óÁ;¦^]æb^åÁ{;¦Á ÓPÚÁÓālā[}ÁC]}XÁU¦^ÈÁ $T^{\} \setminus \mathbb{Q} \mid \bullet \stackrel{\triangle}{\text{CE}} \dot{\cup} \stackrel{\triangle}{\text{E}} \Rightarrow \mathring{a} \stackrel{\triangle}{\text{AS}} \stackrel{\text{a}}{\text{a}} \stackrel{\triangle}{\text{CE}}

 $\begin{array}{l} \text{$(\dot{A}) \wedge \dot{B} = 0.5$ (a.) $$ $ $ $ \dot{A} = 0.5$ (a.) $$ $ $ \dot{A} = 0.5$ (a.) $$ \dot{A} = 0.5$ (a.) $$ $ \dot{A} = 0.5$ (a.) $$ $ \dot{A} = 0.5$ (a.) $$ $ \dot{A} = 0.5$ (a.) $$$

Úã:^^ÊÐŐĒÁGFJÌ€DĒÁCÐÁÓÐA\!åÆÕˇÃB^ÆGÆÁGÆÓÐÃЪ•ÆGÆ•¢æÐÆÐÔ[||ð]•ÊÐÚ^å}^^ÈÁ

 $\dot{\textbf{U}}\&@~\dot{\textbf{a}}\&^{\bullet}\dot{\textbf{E}}\ddot{\textbf{U}}\ddot{\textbf{E}}\&&~\dot{\textbf{A}}\ddot{\textbf{E}}\ddot{\textbf{U}}\ddot{\textbf{E}}\&&~\dot{\textbf{A}}\ddot{\textbf{E}}\ddot{\textbf{U}}\ddot{\textbf{E}}\&&~\dot{\textbf{A}}\ddot{\textbf{E}}\ddot{\textbf{U}}\ddot{\textbf{E}}\&&~\dot{\textbf{A}}\ddot{\textbf{E}}\ddot{\textbf{U}}\ddot{\textbf{E}}\&&~\dot{\textbf{A}}\ddot{\textbf{E}}\ddot{\textbf{E}}\ddot{\textbf{U}}\ddot{\textbf{E}}\&&~\dot{\textbf{A}}\ddot{\textbf{E}}\ddot{\textbf{E}}\ddot{\textbf{E}}\ddot{\textbf{U}}\ddot{\textbf{E}}\&&~\dot{\textbf{A}}\ddot{\textbf{E$

 $\dot{U}[\dot{C}] = \frac{\dot{A}}{\dot{C}}$

 $\dot{U}_{0}^{2} = \dot{U}_{0}^{2} + \dot{U$

Ù ({ \ | ÊÃÕ T ÊÂÛ { ã c © ÊŠ C DÉSH) ả ÁR [@ • ({ } ^ÊÂÜ Ò ÁÇFJJJ DĚAŠ ã æ lá • Á; ÁV ^ • & \ } ÁCE • d æ þã æ ÊÁX [| ˇ { ^ ÁF HAÛ \ ð } \ • ÈÁ Ü ^ çã ^ å ÁN å ã a ā; } ÊÁÚ ^ \ c © ÊÝ ^ • & \ \ | ÁOE • d æ þã æ j ÁT ˇ • ^ ˇ { ÈÁ

Ù å{ ^^^ | ÉÁÜ EÁÇGEFÎ DEÉÔ|Æ| ææ ^ÁB ÁG@ ÁÚÆ) ææ æÉÓ` ||^cā, Á Ì Ï HÉŐ^] æb (^} oÁ, ÁOE | æ ` |c` |^Áæ) å ÁØ[[å ÉÁ Y ^• e^|} ÁOE • d æðæðEÁÚ^|c@ÉÁ

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GHUHY 9bj]fcba YbHU DfcHYVMjcb 5VM%, *

V@ ÁÖ^] æd ^} ơḥ Áơ æơ\ Áæ åÁÒ} çã[} { ^} ơŪ^* ˈææð\ ÅÇÖY ÒÜ Đắa Á^•] [} • ãa |^ Áṭ ˈÁæå { ð ã ơ\ lð * Áœ Á 8 |^ æð ‡ * Á; -Áæð † Ó; -Ææð † Á; -Áæð † Á; -Áæð † Ó; -Ææð † Á; -Áæð † Á; -Áæð † Ó; -Ææð † Ó

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- &D Þænāg^Ág^*^œænā[}Ár@[`|åÁ;[oÁs^Á&|^æd^åÆsÁnā/āg,&|`å^•ÊA;|ÆnÁ;^&^••æd^ÊA;|Ác@Á&[}cā;`^å ^¢ãre'}&^Á;-Áæd^Á|[¦ædÈ
- åD Þænāç^Áç^*^cænā[}Án @[`|åÁ;[oÁs^Ás4^æs4*áÁsÁsúÁs[{]¦ãr^•Ás@Á; @[|^Á;¦Á;ædó4;Á;ænāç^Áç^*^cænā[}Ás] æ)Áæh^æÁs@ænÁ@ænÁæe-Ás^^}Án¢c^}•ãç^|´Ás4^æ4^åÈ
- ^D $\Rightarrow \frac{1}{2}$
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- *D Þænāç^Áç^*^cænā[}Án@[`|åÁ|[oÁa^Á&|^æd^åÆnÁæ)^Á&|^ædā;*Án.Án@Áç^*^cænāā[}ÆnÁã^|^Át[Á@æç^Áæ] ā[]æ&oÁ[}Án@Án}çā[]{ ^}ædÁçæd;^•ÁnÁæ)^Áæålæ&n/}oÁ;¦Á,^ædà^Æt[}•^!çænā[}Áæd^ædÈ
- @D Þænāç^Áç^*^cænā{}Án @[`|åÁ,[oÁs^Á&|^æd^å/āsÁc@Á&|^ædā]*Á;Ás@Áç^*^cænā{}Áā^|^Áā^|^Á[Á&æĕ•^ æð]]!^&ānæà|^ÁæðåÁå^*!æåænā{}È

- bDÁ Þænāç^Áç^*^cænā[}Án @[`|åÁn[cÁn Ás|^æd^å ÁsúÁs|^æd]*Án@Áç^*^œænā[}Ánā^|^Án[Áseĕ•^ĒÁ;!Á ^¢æs&^¦àæne^ĒÁo@Ásj&ænå}&oÁn[-ád][åā]*ÉÁ

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 $V@\dot{A}O_{i}^{\dot{a}}\dot{a}_{i}^{\dot{a}}^{\dot{c}}^{\dot{c}}\dot{a}_{i}^{\dot{c}}^{\dot{c}}\dot{a}_{i}^{$

- ∉Á V@Á,¦^•^}oÁ*^}^!ææā[}Án@[`|åÁn}•`¦^Ás@ænÁs@AÓ@ænco®Éååāç^¦•āc`Áæn)åÁ,¦[å`&cāçāc`Á;Ás@Á ^}çā[]{^}oÁænÁ;æājcæāj^åÁ;!Án}@æn)&^åÁ;¦Ás@Aá∧}^~ācÁ;~Áčč¦^Át^}^!ææā]}•Á

GHUHY 6]cgYVIV f]hmiUbX 5[f]VIV hi fY A UbU[Ya Ybh 5 VIN &\$\$+`

- ∉Á Ùæ^|^Á; æ)æ*^Ás@^Á•^Á; Áæ*¦æ; |覿;Áæ)åÁç^c°¦ā;æ;^Æ@{ &&æ;•Á
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ÖÚQÜÖÁÔæe^*[¦ã\•Á;¦ÁÖ^&|æb^åÁÚ^•œÁ}å°\Á@ÆÓŒFÁQæ6Á

Ô[}d[Á& æ•Á&[å^`	Ö^∙&¦₫ ǽi}.
ÔFÁÇÒ¢& ~• (iį } DÁ	Ú^• o• Á; āļ/Ás^Áse• • ā* } ^ å Ág Ás@a Ásæe^* [¦ ^ ÁsÁs@ ^ Áse ^ Á; [oÁ • cæà jā @ å Ás Á Y ^• o^ ¦ } ÁCE • dæpásaÁs) å Ás[} d [Á; ^æ* ¦ ^• Áse ^ Ág Ásæ ^ } ÉÁs & ` åā; * Ás [¦å^¦Á & @ &\ • ÉÁs Á; ¦å^¦Ág Á; ^ç^} oÁs@ { Ár} o^ ¦ā; * Áse) å Ár • cæà jā @3; * Ás Ás@ ÁÚ cæe^ ÈÁ
ÔGÁÇÒ¦æåå&æða[}DÁ	Ú^• œ Á, āļ/Ás^Ásæ• ē ā } ^ å Ág Ás@ā Ásææ^* [¦ ^ ÁsÁs@^ Ásæb^Á, ¦ ^• ^ } œ Áş Áv ^• œ \} Á CE • d ædáðæða, Ág , Ár } [* * @Á, * { à^ \• Á; l Ás, Ár * ~3820 } d ^ Áða, ãc^ å Ásæb^æ Ás@ædá@ ði Á ^ l æða å8æða, } Æ Á cāļÁsæÁ, [• • ða ðjáð ÉÁ
ÔHÁÇT æ) æ* ^{ ^} dDÁ	Ú^• o Á allán Áæ• a a hát Ác@a Ásæe* [l^Ásáó@^Áæd^Án• cæa a @ å Ás Ár ^• c*!} Á CE • dæaæda o ósóáa Ár Aæ a a l/ 益, lán • a aæ l/ 益, lán • a ææ l/ ææ læ · kæ Ó Há, r • cæ læ « kæ Aæ læ ææ ææ « kæ Ó Há, r • cæ æ læ ææ

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7 cbgYfj Uhjcb'g][b]ZjWUbhZUibU

V@ÁZŶå^!æþÆI} •^!çææĨ} ÁŶç^|Á; Áæĕ}æÁ] ^&æ• Áæ9 åÁæ@ãÁæ³ ãææ9 &^Áææ• ^•• ^åÁ} å^!Áæ@Á
ÒÚÓÔÁŒ&ŒŽV@Áæ³ ãææ9 &^ÁŶç^|•Á[!Áæĕ}æÁ• ^寧ÁæÆÖÚÓÔÁŒ&ӿɿ² }Á¸ãæÁæÆÁQæÁQæ!}ææã] æþÁŊ; ã[}Á
-[!ÁÔ[]•^!çææã] ¼, ÁÞææï!^ÁŒÛÔÞDÑÜ^åÆŠæïó&!ææÃ; æææÁæÞÁ¸ææ°æb¢^Ƹæð] ææã] æþÎÁ^&[;çæã] *Á
à^•oÁ;!ææ6æ8^Á[!Áæ••æ³} ã] *Áæ6æÁæ[}•^!çææã] }Áææĕ•Á;-Áï] ^&æ°•ÆV@ÆÓÚÓÔÁŒ&ÓæÞ•[Á;![c^&æÁæ) åÁæ9 åÁæ
{ æ²!ææ[!^Á] ^&æ°•ÁææAæb¢^Áæ; c³åÁ} å^!ÁQæ°!}ææã] }æþÁŒ!^^{ ?} œÈV@ÁæóÁ;-Á; æ²!ææ[!^Á] ^&æ°•Á
^•œæà[æ@åÁ} å^!Á^&æí] Áæ€JÁ; Áæ©ÆÓÚÓÔÁŒ&ÓæÍ

V @ ÁÛ cæc* ÁS[} • ^ ¦ çæcā[} Ár ç ^ |Á; -Áæĕ} æÁ] ^ & & • Áæŋ å Ás@ ālÁ āt} ã ā &æŋ & ^ Ár cæc* • Áæṭ [Á[||[¸ • Ás@ ÁŌNÔÞÁÜ ^ å Á Šãr o ÁS¦ ãc* ¦ ãætĚN/} å ^ ¦ Ás@ ÁÓÔÁOES o Áæž} æÁSæŋ Ás ^ Ájār c* å Áæ Á / @ ^ æz* } ^ å ÊÉÒ¢ cāj & o Ásæŋ å Ásæ ÁÛ] ^ & ãæṭ| ^ ÁÚ ¦ [c* & c* å Á •] ^ & & • ÈÁ

Ú[••āa|^Áx@^æe^}^åÁn]^&&n•Áx@æeÁa[Á,[ơÁ; ^^ơÁ*¦ç^^Á&;ãe/Éá,¦Áæb^Á;ơ@;¸ãe^Áa;æææÁa^aÆa}}dÉæb¢^Á æåå^åÁq[Áx@AÚ;ā;¦ãcÁæĕ}æáŠãoÁ}åå;¦ÁÚ;ā;¦ãæã•ÁæÉæÁ;¦ÁHÉŽV@•^Áx@^^Ásææ^*[¦ã••Áæ4^Áæ}\^åÁæ}\^åÁjÁ;

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Ô[}•^¦çæða[}Á&ææ^*[¦^*	Ö^-4j ãáj}.			
V@^æ^}^åÁ]^&ã•Á				
Ô¦ãã8æ ^ÁÒ} åæ) *^¦^åÁÇÔÜD	V@^æe^}^åÁn]^8æn•Ás[}•ãā^¦^åÁs[Ás^Ásæsēā]*ÁsējÁn¢d^{^ ^Á@ā @Áā\Áj-Á ^¢æā;8æā;}ÁsjÁs@Á;āáÁsjÁs@Ásī { ^åāæe^Áč č ¦^Êásē Ás^৫\{ āj ^åÁsjÁ æ&8[¦åæa;8^Á;ās@Ásiãe^l;ãæÁ^óÁ;ŏÁsjÁs@Á;ājāe°¦ãæþÁ*ãa^ āj^•HĚÁÁ Šāe cháÁsē ÁslāsēæþſÁ}åæa;*^¦^åÁ}åa²+År^8æā;}ÁrJŒÞæbÁ;Æs@ÁÓÔÁDBóÁsjÁ æ&8[¦åæa;8^Á;ās@Ás@Áslāe^l;ãæÁ^óÁ;ŏÁsjÁn^8æā;}ÁS€Ásē;åÁs@Á;ājāechiāæþÁ **ãā^ āj^•ĒÁ			
Ò} åæ) * ^ ¦^ åÁÇÒÞD	V@^æe^}^åÁn]^8æn•Ás[}•ãā^¦^åÁs[Ás^Ásæsēā;*ÁsæÁs^¦^Áæsēā[*ÁsæÁs]\Á;Á ^¢æißaæi}Ás Ás@ÁjāàÁs[Ás@Áj^æiÁ*č`l^Êáse Ás^c^¦{ā,^åÁs;Ásæsēs[låæißa^Á ¸ão@Áslāæh^oÁ;*óÁsiÁs@Ájāēc^läæbÁ*čās^ ā,^•+ÊÁÁ Šãoc^åÁse Ár}åæij*^¦^åÁjå^¦Ás^8æij}ÁrJŒpDQaDÁjÁæiðóÓÁDBæásiÁ æsēs[låæij&^Ájās@Ás@Áslãoc ãæÁ*oÁj*óÁsiÁsēa]}ÁŒFÁsejåÁs@Ájāēc*lãæbÁ **ãå^ ā,^•Á			
X* }^ æee ^Áq\$\\\D	V@^æc^}^åÁn]^8æn•Ás[}•ãā^!^åÁs[Ás^Ásæsēā;*ÁsæÁæā @Áā\Á,-Á\¢æi,&æi,}Á 尋Á®Á, 尋åÁspÁœÁspÁœÁspÁœÁs, ^åã {Ác^!{Á·č!^ÉsæbÁs^c^!{ā,^åAspÁsæsēs[låæa)&AÁ ¸ão@ksiāc^!ãæÁ^oÁ; óÁspÁs@Áspāro^!ãædÁ* ãã^ ā,^•HŽÁS Šãro^åÁsæÁş*]}^læà ^Á;å^!Á^&æi,}ÁrJOFDQ&DÁ;ÆæÁóÓÁDB&ÁspÁ æsē&[låæa)&AÁ,ão@Ás@Áslãc^!ãæÁ^oÁ; óÁspÁ^&æi,}ÁGGÁsæ)åÁs@Á;ājãro^!ãædÁ **ãå^ ā,^•ÈÁ			
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Ò¢Œ}&dQÒÝD	Ù]^&&^\$\dagger^\dagger			
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NatureMap Species Report

Created By Guest user on 03/04/2020

Kingdom Animalia

Current Names Only Yes

Core Datasets Only Yes

Method 'By Circle'

Centre 119° 09' 53" E,22° 49' 35" S

Buffer 40km

Group By Species Group

Species Group	Species	Records
Amphibian	7	705
Bird	185	15986
Fish	4	391
Invertebrate	365	2438
Mammal	55	6054
Reptile	141	8719
TOTAL	757	34293

Name ID Species Name

Naturalised Conservation Code ¹Endemic To Query Area

Amp	hibian				
	1.	25375	Cyclorana maini (Sheep Frog)		
	2.	25376	Cyclorana platycephala (Water-holding Frog)		
	3.	25392	Litoria rubella (Little Red Tree Frog)		
	4.	25427	Neobatrachus sutor (Shoemaker Frog)		
	5.	25432	Pseudophryne douglasi (Gorge Toadlet)		
	6.	25445	Uperoleia russelli (Northwest Toadlet)		
	7.	41428	Uperoleia saxatilis (Pilbara Toadlet)		
Bird					
Jii u	8.	24559	Acanthagenys rufogularis (Spiny-cheeked Honeyeater)		
	9.		Acanthiza apicalis (Broad-tailed Thornbill, Inland Thornbill)		
	10.		Acanthiza chrysorrhoa (Yellow-rumped Thornbill)		
	11.		Acanthiza robustirostris (Slaty-backed Thornbill)		
	12.		Acanthiza sp.		
	13.	24265	Acanthiza uropygialis (Chestnut-rumped Thornbill)		
	14.		Accipiter cirrocephalus (Collared Sparrowhawk)		
	15.		Accipiter cirrocephalus subsp. cirrocephalus (Collared Sparrowhawk)		
	16.		Accipiter fasciatus (Brown Goshawk)		
	17.		Accipiter fasciatus subsp. didimus (Brown Goshawk)		
	18.		Acrocephalus australis (Australian Reed Warbler)		
	19.		Aegotheles cristatus (Australian Owlet-nightjar)		
	20.		Amytornis striatus (Striated Grasswren)		
	21.		Amytornis striatus subsp. whitei (Rufous Grasswren)		
	22.		Anas superciliosa (Pacific Black Duck)		
	23.		Anhinga novaehollandiae (Australasian Darter)		
	24.	25670	Anthus australis (Australian Pipit)		
	25.		Anthus australis subsp. australis (Australian Pipit)		
	26.	25528	Aphelocephala leucopsis (Southern Whiteface)		
	27.	25554	Apus pacificus (Fork-tailed Swift, Pacific Swift)		IA
	28.	24285	Aquila audax (Wedge-tailed Eagle)		
	29.	41324	Ardea modesta (great egret, white egret)		
	30.	24340	Ardea novaehollandiae (White-faced Heron)		
	31.	24341	Ardea pacifica (White-necked Heron)		
	32.	24610	Ardeotis australis (Australian Bustard)		
	33.	25566	Artamus cinereus (Black-faced Woodswallow)		
	34.	24352	Artamus cinereus subsp. melanops (Black-faced Woodswallow)		
	35.	24353	Artamus cyanopterus (Dusky Woodswallow)		
	36.	24355	Artamus minor (Little Woodswallow)		
	37.	24356	Artamus personatus (Masked Woodswallow)		
	38.		Barnardius zonarius		
	39.	24359	Burhinus grallarius (Bush Stone-curlew)	Department of Biodiversity.	
				IZ WAS T Department of Biodiversity	

NatureMap is a collaborative project of the Department of Biodiversity, Conservation and Attractions and the Western Australian Museum.







	Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
40.		Cacatua roseicapilla (Galah)			
41.		Cacatua roseicapilla subsp. assimilis (Galah)			
42.		Cacatua roseicapilla subsp. roseicapilla (Galah)			
43.		Cacatua sanguinea (Little Corella)			
44. 45.		Cacatua sanguinea subsp. sanguinea (Little Corella)			
45. 46.		Cacatua sanguinea subsp. westralensis (Little Corella) Cacomantis pallidus (Pallid Cuckoo)			
47.		Centropus phasianinus (Pheasant Coucal)			
48.		Certhionyx variegatus (Pied Honeyeater)			
49.	24431	Chrysococcyx basalis (Horsfield's Bronze Cuckoo)			
50.	24434	Chrysococcyx osculans (Black-eared Cuckoo)			
51.	25580	Cinclosoma castaneothorax (Chestnut-breasted Quail-thrush)			
52.	24288	Circus approximans (Swamp Harrier)			
53.		Circus assimilis (Spotted Harrier)			
54.		Colluricincla harmonica (Grey Shrike-thrush)			
55.		Colluricincla harmonica subsp. rufiventris (Grey Shrike-thrush)			
56. 57.		Coracina maxima (Ground Cuckoo-shrike) Coracina novaehollandiae (Black-faced Cuckoo-shrike)			
58.		Coracina novaehollandiae subsp. novaehollandiae (Black-faced Cuckoo-shrike)			
59.		Coracina novaehollandiae subsp. subpallida (Black-faced Cuckoo-shrike)			
60.		Corvus bennetti (Little Crow)			
61.	25592	Corvus coronoides (Australian Raven)			
62.	25593	Corvus orru (Torresian Crow)			
63.	24418	Corvus orru subsp. cecilae (Western Crow)			
64.	24419	Corvus splendens (House Crow)			
65.		Coturnix ypsilophora (Brown Quail)			
66.		Cracticus nigrogularis (Pied Butcherbird)			
67.		Cracticus tibicen (Australian Magpie)			
68.		Cracticus tibicen subsp. dorsalis (White-backed Magnie)			
69. 70.		Cracticus tibicen subsp. tibicen (Black-backed Magpie) Cracticus torquatus (Grey Butcherbird)			
70.		Dacelo leachii (Blue-winged Kookaburra)			
72.		Dacelo leachii subsp. leachii (Blue-winged Kookaburra)			
73.		Dendrocygna eytoni (Plumed Whistling Duck)			
74.	25607	Dicaeum hirundinaceum (Mistletoebird)			
75.	24470	Dromaius novaehollandiae (Emu)			
76.		Egretta novaehollandiae			
77.		Elanus axillaris			
78.		Elanus caeruleus (Black-shouldered Kite)			
79. 80.		Elanus caeruleus subsp. axillaris (Australian Black-shouldered Kite) Elanus scriptus (Letter-winged Kite)		D4	
81.		Elseyornis melanops (Black-fronted Dotterel)		P4	
82.		Emblema pictum (Painted Finch)			
83.		Eolophus roseicapillus			
84.	24570	Epthianura tricolor (Crimson Chat)			
85.	24837	Eremiornis carteri (Spinifex-bird)			
86.	24379	Erythrogonys cinctus (Red-kneed Dotterel)			
87.	24368	Eurostopodus argus (Spotted Nightjar)			
88.		Falco berigora (Brown Falcon)			
89.		Falco berigora subsp. berigora (Brown Falcon)			
90.		Falco cenchroides (Australian Kestrel, Nankeen Kestrel) Falco cenchroides subsp. cenchroides (Australian Kestrel)			
91. 92.		Falco cenchroides subsp. cenchroides (Australian Kestrel, Nankeen Kestrel) Falco hypoleucos (Grey Falcon)		Т	
93.		Falco Ingipennis (Australian Hobby)		,	
94.		Falco longipennis subsp. longipennis (Australian Hobby)			
95.	25624	Falco peregrinus (Peregrine Falcon)		S	
96.	25730	Gallirallus philippensis (Buff-banded Rail)			
97.	42314	Gavicalis virescens (Singing Honeyeater)			
98.	24401	Geopelia cuneata (Diamond Dove)			
99.		Geopelia striata (Zebra Dove)			
100.		Geopelia striata subsp. placida (Peaceful Dove)			
101.		Geophaps plumifera (Spinifex Pigeon)			
102.		Gerygone fusca (Western Gerygone)			
103. 104.		Gerygone fusca subsp. fusca (Western Gerygone) Gerygone fusca subsp. mungi (Desert Gerygone)			
104.		Gerygone rusca subsp. mungi (besert Gerygone) Grallina cyanoleuca (Magpie-lark)			
106.		Grantiella picta (Painted Honeyeater)			
107.		Haliastur sphenurus (Whistling Kite)			
108.		Hamirostra isura (Square-tailed Kite)			
109.	24297	Hamirostra melanosternon (Black-breasted Buzzard)			
			Department	of Biodiversity,	MESTERN







	Name ID	Species Name	Naturalise	ed Conse	rvation Code	¹ Endemic To Query Area
110.	47965	Hieraaetus morphnoides (Little Eagle)				
111.	25734	Himantopus himantopus (Black-winged Stilt)				
112.	24572	Lacustroica whitei (Grey Honeyeater)				
113.	24367	Lalage tricolor (White-winged Triller)				
114.	25661	Lichmera indistincta (Brown Honeyeater)				
115.		Lichmera indistincta subsp. indistincta (Brown Honeyeater)				
116.		Macronectes giganteus (Southern Giant Petrel)			IA	
117.		Malurus lamberti (Variegated Fairy-wren)				
118.		Malurus lamberti subsp. assimilis (Variegated Fairy-wren)				
119. 120.		Malurus leucopterus (White-winged Fairy-wren)				
120.		Malurus leucopterus subsp. leuconotus (White-winged Fairy-wren) Malurus leucopterus subsp. leucopterus (Dirk Hartog black and white fairy-wren)			Т	
122.		Malurus splendens (Splendid Fairy-wren)			•	
123.		Manorina flavigula (Yellow-throated Miner)				
124.		Melanodryas cucullata (Hooded Robin)				
125.		Melithreptus gularis (Black-chinned Honeyeater)				
126.		Melithreptus gularis subsp. laetior (Black-chinned Honeyeater)				
127.	24736	Melopsittacus undulatus (Budgerigar)				
128.	24598	Merops ornatus (Rainbow Bee-eater)				
129.	25542	Milvus migrans (Black Kite)				
130.	24298	Milvus migrans subsp. affinis (Black Kite)				
131.		Mirafra javanica (Horsfield's Bushlark, Singing Bushlark)				
132.		Mirafra javanica subsp. horsfieldii (Horsfield's Bushlark, Singing Bushlark)				
133.		Neochmia ruficauda (Star Finch)				
134. 135.		Neochmia ruficauda subsp. clarescens (Star Finch) Neophema bourkii (Bourke's Parrot)				
136.	24/3/	Neopsephotus bourkii				
137.	25747	Ninox connivens (Barking Owl)				
138.		Ninox connivens subsp. connivens (Barking owl (southwest subpop.))			P3	
139.		Nycticorax caledonicus (Rufous Night Heron)				
140.	24742	Nymphicus hollandicus (Cockatiel)				
141.	24407	Ocyphaps lophotes (Crested Pigeon)				
142.	24618	Oreoica gutturalis (Crested Bellbird)				
143.	34012	Oreoica gutturalis subsp. pallescens (Crested Bellbird, central)				
144.		Pachycephala rufiventris (Rufous Whistler)				
145.		Pachycephala rufiventris subsp. rufiventris (Rufous Whistler)				
146. 147.		Pardalotus rubricatus (Red-browed Pardalote) Pardalotus striatus (Striated Pardalote)				
148.		Pardalotus striatus subsp. murchisoni (Striated Pardalote)				
149.		Pardalotus striatus subsp. uropygialis (Striated Pardalote)				
150.		Pardalotus striatus subsp. westraliensis (Striated Pardalote)				
151.	24648	Pelecanus conspicillatus (Australian Pelican)				
152.	48060	Petrochelidon ariel (Fairy Martin)				
153.	48061	Petrochelidon nigricans (Tree Martin)				
154.	24659	Petroica goodenovii (Red-capped Robin)				
155.		Phalacrocorax sulcirostris (Little Black Cormorant)				
156.		Phalacrocorax varius (Pied Cormorant)				
157.		Phaps chalcoptera (Common Bronzewing)				
158. 159.		Platycercus varius (Mulga Parrot) Platycercus zonarius (Australian Ringneck, Ring-necked Parrot)				
160.		Platycercus zonarius subsp. zonarius (Port Lincoln Parrot)				
161.		Podargus strigoides (Tawny Frogmouth)				
162.		Pomatostomus superciliosus (White-browed Babbler)				
163.	25706	Pomatostomus temporalis (Grey-crowned Babbler)				
164.	24684	Pomatostomus temporalis subsp. rubeculus (Grey-crowned Babbler)				
165.	25731	Porphyrio porphyrio (Purple Swamphen)				
166.	24771	Porzana tabuensis (Spotless Crake)				
167.	24390	Psophodes occidentalis (Western Wedgebill, Chiming Wedgebill)				
168.	05704	Ptilonorhynchus guttatus				
169.		Ptilonorhynchus maculatus (Spotted Bowerbird)				
170. 171.		Ptilonorhynchus maculatus subsp. guttatus (Western Bowerbird) Ptilonorhynchus nuchalis subsp. nuchalis (Great Bowerbird)				
171.		Ptilotula keartlandi (Grey-headed Honeyeater)				
173.		Ptilotula penicillata (White-plumed Honeyeater)				
174.		Purnella albifrons (White-fronted Honeyeater)				
175.		Pyrrholaemus brunneus (Redthroat)				
176.		Rhipidura albicauda				
177.		Rhipidura albiscapa (Grey Fantail)				
178.		Rhipidura leucophrys (Willie Wagtail)				
179.	24454	Rhipidura leucophrys subsp. leucophrys (Willie Wagtail)	1/m2 1 1	enartment of Biodiversity		WESTERN







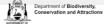
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18.3 30/810 Training-policy guttiest Judias Cation Frinch) 18.4 30/811 Training-policy guttiest Judias Cation Frinch) 18.5 2481-5 Training-policy guttiest Judias Cation Frinch) 18.6 4281-5 Training-policy guttiest Judias Cation Frinch) 18.7 28549 Training-policy guttiest Judias Cation Frinch 18.8 24830 Training-policy guttiest Judias Cation Frinch Policy Glorida 18.9 24851 Training-policy guttiest Judias Cation Glorida 19.0 24851 Training-policy guttiest Judias (Common Generalback) generalback) 19.1 27572 Typo alto subsp. delicatula (Barro Owl) 19.2 24852 Typo alto subsp. delicatula (Barro Owl) 19.3 Aministable periodises 19.4 Leopoth-reapon unicolor 19.5 Molandaparia australia 19.6 Molandaparia australia 19.7 Bipocypologia (p. 1 (PSS) 19.8 Aleadaromas gp. 1 (PSS) 20.0 Aleadaroma gp. 1 (PSS) 20.1 Aleadaroma gp. 1 (PSS) 20.2 Aleadaroma gp. 1 (PSS) 20.3 Allonais paragraphenia 20.4 Aleadaroma gp. 1 (PSS) 20.5 Allonais paragraphenia 20.6 Allonais paragraphenia 20.6 Allonais paragraphenia 20.7 Allonais paragraphenia 20.8 Allonais paragraphenia 20.9 Allonais paragraphenia 20.1 Allonais paragraphenia 20.2 Allonais paragraphenia 20.3 Allonais paragraphenia 20.4 Allonais paragraphenia 20.5 Allonais paragraphenia 20.6 Allonais paragraphenia 20.7 Allonais paragraphenia 20.8 Allonais paragraphenia 20.9 Allonais paragraphenia 20.1 Allonais paragraphenia 20.2 Allonais paragraphenia 20.3 Allonais paragraphenia 20.4 Allonais paragraphenia 20.5 Allonais paragraphenia 20.6 Allonais paragraphenia 20.7 Allonais paragraphenia 20.8 Allonais paragraphenia 20.9 Allonais paragraphenia 20.0 Allonais paragraphenia	
184. 3081* Tannicipying gutatias ululap, castanoitis (220-n Finch) 185. 4225 Todisamphius particulis (Siramo Kingfather) 186. 4225 Todisamphius particulis (Siramo Kingfather) 187. 28549 Todisamphius sanctus subjest, sanchus (Siramo Kingfather) 188. 24590 Todisamphius sanctus subjest, sanchus (Siramo Kingfather) 189. 24585 Truns velocificate (Discovery Common Ginesathanis, greensthanis) 191. 29752 Tryn a bas (Gism Dul) 192. 24582 Tryn a bas (Gism Dul) 193. Annialaba percoides 194. Lespopherapon unicolor 195. Initiation priffs 198. Annialaba percoides 194. Lespopherapon unicolor 195. Initiation priffs 197. Byocyclopa' ap. 1 (PSS) 198. Acarifornes ap. 199. Academans ap. 1 (PSS) 200. Academans ap. 1 (PSS) 201. Academans ap. 1 (PSS) 202. Alussianis ap. WUR2 (PSS) 203. Alloneis peragrupements 204. Alloneis peragrupements 205. Allussianis percentanis 206. Allussianis percentanis 207. Arministies ap. 208. Armphine colleenformis (Ag.) Visiz. 210. Anamer melloca 211. Anominencies ap. 212. Anominencies ap. 213. Aniektierapus ap. 214. Anominencies ap. 215. Anominencies processis ap. 216. Apopope processis ap. 217. Aniektierapus ap. 218. Anominencies processis 219. Anominencies processis 210. Anominencies processis 211. Anominencies ap. 212. Anominencies ap. 213. Aniektierapus ap. 224. Anominencies primaria 225. Anominencies primaria 226. Anominencies primaria 227. Aniektierapus ap. 228. Anteriolis ap. 229. Anominencies primaria 221. Anominencies primaria 222. Anominencies primaria 223. Anteriolis ap. 224. Anteriolis ap. 225. Anteriolis ap. 226. Anteriolis ap. 227. Anteriolis ap. 228. Anteriolis ap. 229. Anteriolis ap. 221. Anteriolis ap. 222. Anteriolis ap. 223. Anteri	
188. 24845 Tronsdorms sprincoping (Arben-backed Kingfeber)	
188. 4231 Totlerampus pyrinorypus (Resh-backed Knyglisher) 187. 2439 Totlerampus santus (Satered Knyglisher) 188. 2439 Totlerampus santus subsp. sancus (Satered Knyglisher) 189. 2438 Turar vest (Little Buth-regular) 191. 25782 Tyo after (Sam Owl) 192. 24852 Tyo after (Sam Owl) 193. Amnietaba porceades 194. Leippothrappon unicolor 195. Mularrobaria australia 196. Mularrobaria australia 197. Byocyclepal ap. 1 (PSS) 198. Aantiena supralia 199. Aalocoma ap. 1 (PSS) 198. Aantiena supralia 199. Aalocoma ap. 1 (PSS) 200. Aelocoma ap. 3 (PSS) 201. Aeloridate sp. 202. Alundrius p. W26 (PSS) 203. Allonas pragpuyeras 204. Allonas pragpuyeras 205. Almortius p. W26 (PSS) 206. Almortius p. W26 (PSS) 207. Armiridae sp. 208. Armiridae sp. 209. Armiridae sp. 209. Armiridae sp. 210. Anamer melicoa 211. Anomonomies sprints (Gun) Nust. 212. Anomonomies sprints (Gun) Nust. 213. Antichiropus sp. 214. Arepica protentas 215. Argicperomies inbescens 216. Argicperomies melicoa 217. Armisticae sp. 218. Antimichois protessimus 219. Antimichois protessimus 220. Asalpius purdaminima 221. Asalpius purdaminima 222. Asalpius purdaminima 223. Australius purdaminima 224. Australius purdaminima 225. Australius purdaminima 226. Australius purdaminima 227. Australius purdaminima 228. Australius purdaminima 229. Australius purdaminima 221. Australius purdaminima 222. Australius purdaminima 223. Australius purdaminima 224. Australius purdaminima 225. Australius purdaminima 226. Australius purdaminima 227. Australius purdaminima 228. Australius purdaminima 229. Australius purdaminima 221. Australius purdaminima 222. Australius purdaminima 223. Australius purdaminima 224. Australius purdamin	
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188. 24308 Truinamphres sanctus subaps sanctus (Schered Kingfolher) 189. 24808 Tringe naturalizate (Common Greensthank) 180. 24851 Truina violos (Little Buston quali) 1812. 25782 Tylo albu (Barn Owl) 182. 24852 Tylo albu (Barn Owl) 182. 24852 Tylo albu (Barn Owl) 183. Amiliatota percoides 184. Leopotherapon unicolor 185. Melarnotinenia susralis 186. Nonositus tryttii 187. Brycoyclops' sp. 1 (PSS) 188. Acardromes sp. 189. Acadromes sp. 180. Annis Acadromes sp. 180. Annis Acadromes sp. 180. Acadromes sp. 1 (PSS) 201. Acabroides sp. 202. Anuschias sp. 203. Altonais paraguayensis 204. Altonais paraguayensis 204. Altonais paraguayensis 205. Altona of verucoses 206. Altona of verucoses 207. Ameridas sp. 208. Amphipoda sp. 208. Amphipoda sp. 209. Annonis spritage (Grun) Hust. 212. Anopheles annulipes s l. 213. Anichingua sp. 214. Aronbis sp. 215. Argiocnemis rubascens 216. Argiocnemis rubascens 217. Armasidona mecrocope 218. Argiocnemis rubascens 219. Anterodobus panciapanus 220. Asadopus yundamindus 221. Asadopus yundamindus 222. Alexadorus sp. (PSS) 223. Australiobates que nortandrosis 224. Australiobates que nortandrosis 225. Australious sp. (PSS) 226. Australious sp. (PSS) 227. Asadopus yundamindus 228. Australiobates que nortandrosis 229. Australiobates que nortandrosis 221. Asadopus pundamindus 222. Australiobates que nortandrosis 223. Australiobates que nortandrosis 224. Australiobates que nortandrosis 225. Australiopatos pundamindus de paraguayen yundamindus 226. Australiopatos pulbaria 227. Australiopatos pundamindus de paraguayen yundamindus 228. Australiopatos pundamindus de paraguayen yundamindus 229. Australiopatos pundamindus de paraguayen yundamindus 220. Australiopatos pundamindus de paraguayen yundamindus 221. Australiopatos pundamindus de paraguayen yundamindus 222. Australiopatos pundamindus de paraguayen yundamindus 223. Australiopatos pundamindus de paraguayen yundamindus 224. Australiopatos pundamindus	
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233. Axonopsella nr truza (PSW)	
234. Baetidae sp.	
235. Bathynella sp.	
236. Bdelloidea sp. 2:2	
237. Belostomatidae sp.	
238. Berosus pulchellus	
239. Berosus sp.	
240. Bezzia sp. 1 (SAP)	
241. Bezzia sp. 2 (SAP)	
242. Bigenditia zuytdorp	
243. Bolboleaus truncatus	
244. Boongurrus occidentalis	
244. Boorgurus occidentalis 245. Boongurus sp.	Υ
• ,	ī
246. Buddelundia sp. Department of Biodiversity.	11/50555







	Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
247.		Caenidae sp.			
248.		Candoninae' (pss)			
249.		Candonocypris fitzroyi			
250.		Candonopsis cf. tenuis (PSS)			V
251. 252.		Candonopsis williami (PSS) Carenum pulchrum			Y
252.		Carenum subplanatum			
254.		Carenum venustum			
255.		Cavisternum clavatum			
256.		Cephalodella gibba			
257.		Ceratopogonidae sp.			
258.		Cheumatopsyche wellsae			
259.		Chimarra sp AV17 (PSW)			
260.		Chironominae sp.			
261.		Chironomus aff. alternans (V24) (CB)			
262.		Chydaekata sp.			
263.		Clinohelea sp.			
264.		Cloeon sp.			
265.		Cnephia nr aurantiacum			
266. 267		Cocconeis placentula var. euglypta ehr.			
267. 268.		Coenagrionidae sp. Conopterum leai			
269.		Conopterum pyripenne			
270.		Corduliidae sp.			
271.		Corixidae sp.			
272.		Cormocephalus strigosus			
273.		Cormocephalus turneri			
274.		Corynoneura sp. P2 (PSW)			
275.		Cryptochironomus griseidorsum			
276.		Culex crinicauda			
277.		Culicidae sp.			
278.		Culicoides? sp P4 (PSW)			
279.		Cymbella affinis Kütz.			
280.		Cymbella cymbiformis Ag.			
281. 282.		Cymbella delicatula Kütz. Cymbella falaisensis (Grun.) Krammer & Lange-Bertalot			
283.		Cymbella pusilla Grun.			
284.		Cypretta baylyi			
285.		Cypretta seurati			
286.		Cypretta sp. BOS080			
287.		Dasyheleinae sp. P1 (PSW)			
288.		Dasyheleinae sp. P2 (PSW)			
289.		Deminutiocandona 'stomachosa' (PSS)			
290.		Deminutiocandona mica			Υ
291.		Deminutiocandona sp. 1' (PSS)			
292.		Diacyclops cockingi			
293.		Diacyclops humphreysi humphreysi			
294.		Diacyclops scanloni			
295. 296.		Diacyclops sobeprolatus Diacyclops sp.			
296. 297.		Dicrotendipes sp P4 (PSW)			
298.		Difflugia sp. P1			
299.		Diplacodes haematodes			
300.		Diplonychus eques			
301.		Diplopoda sp.			
302.		Dissotrocha n. sp. (Pilbara stygo)			
303.		Djalmabatista sp.			
304.		Dolichopodidae sp.			
305.		Dytiscidae sp.			
306.		Ecnomidae sp.			
307.		Ecnomus pilbarensis			
308.		Ecnomus sp.			
309.		Ectocyclops phaleratus Elephadollo en 2 (PSS)			
310. 311.		Elaphoidella sp. 2 (PSS)			
311. 312.		Elaphoidella sp. 3 (PSS) Empididae sp.			
312.		Enchytraeidae sp.			
314.		Enchytraeus Pilbara sp. 2 (PSS)			
315.		Eolimna minima (Grun.) Lange-Bertalot			
316.		Ephemeroporus barroisi s.l.			
			Departmen	t of Biodiversity,	WESTERN







## Part	Name	ID Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
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970. Euglyphia part 971. Euglyphia part 972. Euglyphia part 973. Financian calabarage 973. Financian calabarage 974. Financian calabarage 975. Georgephia part 976. Georgephia part 976. Georgephia part 977. Georg					
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375. Genocaçue solvetimus					
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330. Gorphochelia pp. 4 (PSS) 331. Gorphochelia pp. 6 (PSV) 332. Gorphochelia pp. 6 (PSV) 332. Gorphochelia pp. 8 333. Grandia Peter 334. Grandia Peter 335. Happiciolia pp. 8 336. Happiciolia pp. 8 337. Happiciolia pp. 8 338. Happiciolia pp. 8 338. Happiciolia pp. 8 339. Holichiae pp. 8 340. Holichiae pp. 8 340. Holichiae pp. 8 341. Happiciolia pp. 8 342. Holichiae pp. 8 343. Holichiae pp. 8 344. Holichiae pp. 8 345. Holichiae pp. 8 346. Holichiae pp. 8 347. Holichiae pp. 8 348. Hydria pp. 8 348. Hydria pp. 8 348. Hydrian pp. 8 349. Hydrian pp. 8 340. Hydrian pp. 8 340. Hydrian pp. 8 341. Hydrian pp. 8 342. Hydrian pp. 8 343. Hydrian pp. 8 344. Hydrian pp. 8 345. Hydrian pp. 8 346. Hydrian pp. 8 347. Hydrian pp. 8 348. Hydrianthia beninthiae 8 350. Hydrianthia schorithiae 8 351. Hydrianthia pp. 8 352. Hydrianthia pp. 8 353. Hydrianthia pp. 8 354. Hydrianthia pp. 8 355. Hydrianthiae pp. 8 356. Hydrianthiae pp. 8 357. Hydrianthiae pp. 8 358. Hydrianthiae pp. 8 359. Hydrianthiae pp. 8 350. Hydrianthiae pp. 8 350. Hydrianthiae pp. 8 351. Hydrianthiae pp. 8 352. Hydrianthiae pp. 8 353. Hydrianthiae pp. 8 354. Hydrianthiae pp. 8 355. Hydrianthiae pp. 8 356. Hydrianthiae pp. 8 357. Hydrianthiae pp. 8 358. Hydrianthiae pp. 8 359. Hydrianthiae pp. 8 360. Hydrianthiae pp. 8 361. Holichiae pp. 8 362. Harmagemythiae dichariae 8 363. Lampicate masselli 8 364. Lampicate masselli 8 365. Lampicate masselli 8 366. Lampicate masselli 8 367. Leane humania 8 368. Lampicate masselli 8 370. Leane humania 8 371. Leane humania 8 372. Leane humania 8 373. Leane humania 8 374. Leane humania 8 375. Leane humania 8 376. Leane humania 8 377. Leane humania 8 377. Leane humania 8 378. Leane humania 8 379. Leane humania 8 379. Leane humania 8 370. Leane humania 8 370. Leane humania 8 371. Leane humania 8 372. Leane humania 8 373. Leane humania 8 374. Leane humania 8 375. Leane humania 8 376. Leane humania 8 377. Leane humania 8 377. Leane humania 8 378. Leane humania 8 379. Leane humania 8 379. Leane humania 8 379. Leane humania 8 379. Le	328.	Gnathaphanus melbournensis			
331. Gordenandarian in Individual (FSMV)	329.	Gomphidae sp.			
332. Gurinator Reprise sp. P1 (PSW) 333. Gyratular Reprises 334. Gyratular Reprises 335. Harpsteciciale sp 336. Harpsteciciale sp 337. Harpsteciciale sp 338. Harpsteciciale sp 339. Harpsteciciale sp 330. Harpsteciciale information 340. Harpsteciciale information 341. Harpsteroptic monation in mon 341. Harpsteroptic monations 342. Harpsteroptic monations 343. Harpsteroptic monations 344. Harpsteroptic monations 347. Harpsteroptic monations 348. Harpsteroptic monations 349. Hydrotonia description 341. Hydrotonia description 342. Hydrotonia description 344. Hydrotonia description 345. Humpsteroptic monations 346. Hydrotonia description 347. Hydrotonia description 348. Hydrotonia description 349. Hydrotonia description 351. Hydrotonia description 352. Hydrotonia description 352. Hydrotonia description 353. Hydrotonia description 353. Hydrotonia description 354. Hydrotyphrus ford 355. Hydrotophrus ford 356. Hydrotyphrus ford 357. Hydrotyphrus and group 358. Hydrotyphrus and group 358. Hydrotyphrus and group 359. Information and group 360. Hydrotyphrus description 361. Indeption ap 362. Hydrotyphrus accesses 367. Lampsterops ap of 1°RS) 368. Lampsteria description 369. Lampsteria description 360. Lampsteria description 361. Lampsteria description 362. Lampsteria description 363. Lampsteria description 364. Lampsteria description 365. Lampsteria description 366. Lampsteria description 367. Lampsteria description 368. Lampsteria description 369. Lampsteria description 360. Lampsteria description 360. Lampsteria description 361. Lampsteria description 362. Lampsteria description 363. Lampsteria description 363. Lampsteria description 364. Lampsteria description 365. Lampsteria description 366. Lampsteria description 367. Lampsteria description 368. Lampsteria description 369. Lampsteria description 360. Lampsteria description	330.	Gomphodella sp. 4 (PSS)			
335.	331.	Gondwanabates nr bodivus (PSW)			
334. Gyririson sp. 336. Haspaccoda sp. 337. Haspertina store 338. Haspaccoda sp. 339. Haspertina store 339. Haspertina store 330. Haspertina sp. 330. Haspertina store 330. Haspertina store 340. Harcocchila intermoda 341. Haspacromonia hambergui 341. Haspacromonia hambergui 342. Haseroportina store 343. Haseroportina store 344. Haspacromonia hambergui 344. Haspacromonia hambergui 347. Hydraena tarbipes 348. Hydraena tarbipes 349. Hydraena tarbipes 341. Hydraena tarbipes 348. Hydraena tarbipes 349. Hydraena tarbipes 340. Hydrachus storeuroseverus 340. Hydrachus storeuroseverus 341. Hydrachus doteuroseverus 342. Hydrachus doteuroseverus 343. Hydraena tarbipes 344. Hydraena tarbipes 345. Hydrachus doteuroseverus 346. Hydraena tarbipes 347. Hydrachus doteuroseverus 348. Hydraena tarbipes 348. Indepture sp. 17655 348. Indepture sp. 17655 348. Indepture sp. 17655 348. Larnia laborap 349. Larnia tarbipes sp. 17655 349. Larnia tarbipes 349. Larnia tarbipes 349. Larnia tarbipes 349. Larnia tarbipes 349. Larnia tarbipes 349. Larnia tarbipes 349. Larnia tarbipes 349. Larnia tarbipes 349. Larnia tarbipes 349. Larnia tarbipes 349. Larnia tarbipes 349. Larnia tarbipes 340. Larnia tarbipes 341. Larnia tarbipes 341. Larnia tarbipes 342. Lapricon tarbipes 343. Larnia tarbipes 344. Lapricon tarbipes 345. Larnia tarbipes 346. Lapricon tarbipes 347. Larnia tarbipes 347. Larnia tarbipes 348. Larnia tarbipes 349. Lapricon tarbipes 340. Lapricon tarbipes 341. Lapricon tarbipes 342. Lapricon tarbipes 343. Lapricon tarbipes 344. Lapricon tarbipes 345. Lapricon tarbipes 346. Lapricon tarbipes 347. Lapricon tarbipes 348. Lapricon tarbipes 349. Lapricon tarbipes 340. Lapricon ta		Guineaxonopsis sp. P1 (PSW)			
336. Hapronicios sp. 337. Habyetina sp. 338. Hobrita sp. 339. Habyetina sp. 339. Hobrita sp. 330. Hobrita sp. 340. Heleccardulia intermedia 341. Heserocardulia intermedia 342. Heterocyn tepori 342. Heterocyn tepori 343. Heleccardulia intermedia 344. Hoppocoa biccolor 345. Heleccardulia intermedia 346. Hydra sp. 347. Hydraendrae sp. 348. Hydraendrae sp. 348. Hydraendrae sp. 348. Hydraendrae sp. 349. Hydraendrae sp. 350. Hydraendrae sp. 351. Hydraendrae sp. 352. Hydraendrae sp. 353. Hydraendrae sp. 353. Hydraendrae sp. 354. Hydraendrae sp. 355. Hydraendrae sp. 356. Hydraendrae sp. 357. Hydraendrae sp. 358. Hydraendrae sp. 358. Hydraendrae sp. 359. Hydraendrae sp. 350. Hydraendrae sp. 351. Hydraendrae sp. 352. Hydraendrae sp. 353. Hydraendrae sp. 354. Hydraendrae sp. 355. Hydraendrae sp. 356. Hydraendrae sp. 357. Hydraendrae sp. 358. Hydraendrae sp. 358. Hydraendrae sp. 359. Indexpurphase advances 360. Hydraendrae sp. 360. Hydraendrae sp. 360. Hydraendrae sp. 360. Hydraendrae sp. 360. Hydraendrae sp. 360. Hydraendrae sp. 360. Hydraendrae sp. 360. Hydraendrae sp. 360. Laccables sp. 360. Laccables sp. 360. Laccables sp. 360. Laccables sp. 360. Laccables sp. 371. Laccare bulbe 372. Laccare harbers 373. Laccare harbers 374. Laccare harbers 375. Laccare harbers 376. Laccare harbers 377. Lapadella scurminata 378. Laccare harbers 379. Laccare harbers 370. Laccare harbers 371. Laccare harbers 372. Laccare harbers 373. Laccare harbers 374. Laccare harbers 375. Laccare harbers 376. Laccare harbers 377. Laccare harbers 378. Laccare harbers 379. Laccare harbers 370. Laccare harbers 371. Laccare harbers 372. Laccare harbers 373. Laccare harbers 374. Laccare harbers 375. Laccare harbers 376. Laccare harbers 377. Laccare harbers 378. Laccare harbers 379. Laccare harbers 370. Laccare harbers 371. Laccare harbers 372. Laccare harbers 373. Laccare harbers 374. Laccare harbers 375. Laccare harbers 376. Laccare harbers 377. Laccare harbers 377. Laccare harbers 378. Laccare harbers 389. Laccare harbers 389. Laccare harbers 389. Laccar					
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339. Holocharacki masterial inversed 341. Heisperomonanie humphreysi 342. Meterroryk tetperi 343. Heisperomonanie humphreysi 344. Hologicosa biolor 345. Humphreyserandran wordersi 346. Hyutra sp. 347. Hyutraena bariojass 348. Hyutraena bariojass 348. Hyutraena bariojass 359. Hyutraenikas sp. 350. Hyutraenikas sp. 351. Hyutraenikas sp. 352. Myetrochus sp. 353. Hyutraenikas sp. 353. Hyutraenikas sp. 354. Hyutraenikas sp. 355. Hyutraenikas sp. 356. Hyutraenikas sp. 357. Hyutraenikas sp. 358. Hyutraenikas sp. 358. Hyutraenikas sp. 359. Intraenikas sp. 350. Intraenikas sp. 3					
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375. Lecane papuana 376. Lecane thalera 377. Lepadella (H.) heterostyla 378. Lepadella acuminata 379. Lepadella latusinus 380. Lepadella ovalis 381. Lepadella patella 382. Lepidiota squamulata 383. Leptasteron platyconductor 384. Leptoceridae sp. 385. Lesquereusia spiralis	373.	Lecane lunaris			
376. Lecane thalera 377. Lepadella (H.) heterostyla 378. Lepadella acuminata 379. Lepadella latusinus 380. Lepadella ovalis 381. Lepadella patella 382. Lepidiota squamulata 383. Leptasteron platyconductor 384. Leptoceridae sp. 385. Lesquereusia spiralis	374.	Lecane obtusa			
377. Lepadella (H.) heterostyla 378. Lepadella acuminata 379. Lepadella latusinus 380. Lepadella ovalis 381. Lepadella patella 382. Lepidiota squamulata 383. Leptasteron platyconductor 384. Leptoceridae sp. 385. Lesquereusia spiralis	375.	Lecane papuana			
378. Lepadella acuminata 379. Lepadella latusinus 380. Lepadella ovalis 381. Lepadella patella 382. Lepidiota squamulata 383. Leptasteron platyconductor 384. Leptoceridae sp. 385. Lesquereusia spiralis					
379. Lepadella latusinus 380. Lepadella ovalis 381. Lepadella patella 382. Lepidiota squamulata 383. Leptasteron platyconductor 384. Leptoceridae sp. 385. Lesquereusia spiralis					
380. Lepadella ovalis 381. Lepadella patella 382. Lepidiota squamulata 383. Leptasteron platyconductor 384. Leptoceridae sp. 385. Lesquereusia spiralis					
381. Lepadella patella 382. Lepidiota squamulata 383. Leptasteron platyconductor 384. Leptoceridae sp. 385. Lesquereusia spiralis					
382. Lepidiota squamulata 383. Leptasteron platyconductor 384. Leptoceridae sp. 385. Lesquereusia spiralis					
383. Leptasteron platyconductor 384. Leptoceridae sp. 385. Lesquereusia spiralis					
384. Leptoceridae sp. 385. Lesquereusia spiralis					
385. Lesquereusia spiralis					
	386.	Libellulidae sp.			







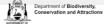
	Name ID Species Name	Naturalised Conservation Code	e ¹ Endemic To Query Area
387.	Limnebius sp.		
388.	Limnesia sp.		
389.	Limnesia sp. 1 (PSW)		
390.	Limnesia sp. 4 (PSW)		
391.	Limnochares australica		
392. 393.	Limnocythere dorsosicula		
393.	Limnogonus luctuosus Loxandrus laevigatus		
395.	Loxandrus micantior		
396.	Lychas sp. 1		
397.	Lychas sp. 2		
398.	Lycidas sp. 1		
399.	Lymnaeidae sp.		
400.	Maarka weeliwolli		Υ
401.	Macrochaetus altamirai		
402.	Macrogyrus darlingtoni		
403.	Macrothrix indistincta		
404.	Masasteron sampeyae		
405.	Masasteron tealei		
406.	Mastogloia elliptica (Ag.) Cl.	itaa hawaa	
407. 408.	Mastogloia elliptica var. danse Mastogloia smithii Thwaites	көэ) ушп.	
408. 409.	Mastogiola smitnii i nwaites Meedo houstoni		
410.	Melitidae sp.		
411.	Meridiescandona 'marillaneae		Υ
412.	Meridiescandona cf. facies (PS		
413.	Meridiescandona facies (PSS)		Υ
414.	Meridiescandona sp. 1" (PSS)		Υ
415.	Meridiescandona sp. 3' (PSS)		
416.	Mesocyclops darwini		
417.	Mesostigmata sp.		
418.	Mesovelia vittigera		
419.	Mesoveliidae sp.		
420.	Microchironomus 'K1' (PSW)		
421. 422.	Microcyclops varicans Microvelia (Austromicrovelia) į	ana	
423.	Minasteron minusculum	611a	
424.	Missulena faulderi		Υ
425.	Missulena langlandsi		Y
426.	Mituliodon tarantulinus		
427.	Mytilina ventralis macracantha		
428.	Naididae (ex Tubificidae)		
429.	Navicula cryptonella Lange-Be		
430.	Navicula leptostriata Jørgense		
431.	Navicula radiosa Kütz.		
432.	Navicula variostriata Krasske		
433.	Nebela sp.		
434.	Necterosoma regulare		
435. 436.	Nematoda sp. Nematoda sp. 12 (PSS)		
430.	Nematoda sp. 12 (PSS)		
438.	Nematoda sp. P2/P4 (PSW)		
439.	Nematoda sp. P3 (PSW)		
440.	Nematoda sp. P8 (PSW)		
441.	Neocandona sp. 1 (PSS)		Υ
442.	Nephila edulis		
443.	Nerthra luteovaria		
444.	Nilobezzia sp.		
445.	Nilotanypus sp. P1 (PSW)		
446.	Nitzschia angustata Grun.		
447.	Nitzschia palea (Kütz.) W. Sm		
448. 449.	No invertebrates		
449. 450.	Nososticta sp. Notacandona boultoni		Υ
	Notacandona cf. modesta (PS		Y
451	Notacandona modesta		Y
451. 452.			
451. 452. 453.	Notobathynella sp.		
452.	Notobathynella sp. Notonectidae sp.		
452. 453.			







457. 458. 459. 460. 461. 462.	Oligochaeta sp. Onthophagus consentaneus Opisthopora sp.	Conservation Code	
459. 460. 461.			
460. 461.	Opisthopora sp.		
461.			
	Oribatida group 1 (PSS)		
	Oribatida group 5 (PSS)		
463.	Orphnaeus brevilabiatus		
463. 464.	Orthetrum caledonicum Orthetrum pruinosum migratum		
464. 465.	Orthocladiinae sp.		
466.	Ostracoda (unident.)		
467.	Paracyclops chiltoni		
468.	Paramelitidae cf. sp. 9 (PSS)		Υ
469.	Paramelitidae sp.		
470.	Paramelitidae sp. 2 (PSS)		
471.	Parametriocnemus sp P1 (PSW)		
472.	Pediana horni		
473.	Pellenes bitaeniata		
474.	Pentaneurini sp. P6 (PSW)		
475.	Philopotamidae sp.		
476.	Phorticosomus gularis		
477. 478.	Phreodrilid with dissimilar ventral chaetae Phreodrilid with similar ventral chaetae		
478. 479.	Phreodrilidae sp.		
480.	Phreodrilus sp.		Υ
481.	Phryssonotus novaehollandiae		
482.	Pilbaracandona 'rosa' (PSS)		
483.	Pilbaracandona eberhardi		
484.	Pilbarascutigera incola		
485.	Pilbarus millsi		
486.	Planorbidae sp.		
487.	Platyias quadricornis		
488.	Platynectes decempunctatus var decempunctatus		
489.	Pleidae sp.		
490.	Polypedilum nubifer		
491. 492.	Polypedilum watsoni		Y
492.	Prethopalpus julianneae Prethopalpus maini		Y
494.	Prethopalpus pearsoni		Υ
495.	Pristina longiseta		·
496.	Pristina sp.		
497.	Procladius paludicola		
498.	Procorticacarus P1 (PSW)		
499.	Prodidomus woodleigh		
500.	Pseudagrion microcephalum		
501.	Psychodidae sp.		
502.	Pygolabis weeliwolli		
503.	Pyralidae nr sp. 37 of JHH (now sp. 53) (ex. Pilbara sp. 3) (PSW)		
504.	Pyralidae sp.		
505.	Pyralidae sp. 3 of JHH (PSW) (= Margarosticha ?repetitalis)		
506. 507.	Ranatra diminuta Recifella sp.		
507.	Regimbartia attenuata		
509.	Rheocricotopus sp. P1 (PSW)		
510.	Rheotanytarsus trivittatus		
511.	Rhodothemis lieftincki		
512.	Sciomyzidae sp.		
513.	Scirtidae sp.		
514.	Scirtidae sp. 1 (PSW)		
515.	Scolopendra laeta		
516.	Scolopendra morsitans		
517.	Sellephora pupula (Kütz) Mereschkowsky		
518.	Simuliidae sp.		
519.	Simulium clathrinum		
520.	Spinasteron barlee		
521. 522.	Spinasteron cavasteroides		
522.	Spinasteron waldockae		
	Sternolophus marginicollis		
523.	Stilohezzia sp. P1 (PSW)		
	Stilobezzia sp P1 (PSW) Stratiomyidae sp.		







	Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Quer Area
527.		Stygoridgewayia trispinosa			
528.		Supunna funerea			
529.		Synsphyronus gracilis			
530. 531.		Synsphyronus heptatrichus Tabanidae sp.			
531.		Tamopsis fickerti			
533.		Tanypodinae sp.			
534.		Tanytarsus sp. D (SAP)			
535.		Tanytarsus sp. P2 (PSW)			
536.		Tasmanocoenis arcuata			
537.		Testudinella amphora			
538.		Thienemanniella sp. P1 (PSW)			
539.		Tiporus sp.			
540.		Tiporus tambreyi			
541. 542.		Tipulidae sp. Tipulidae type P1 (PSW)			
543.		Trachyspina mundaring			
544.		Triaenodes sp. P1=P2 (PSW)			
545.		Trichocerca pusilla			
546.		Trichocyclus aranda			
547.		Tropocyclops confinis (ex Paracyclops sp. 6)			
548.		Tubificidae WA28 (SAP))			
549.		Tubificidae stygo type 1 (imm Ainudrilus WA25/26?) (PSS)			
550.		Turbellaria sp.			
551. 552.		Tyrannochthonius aridus Unixenus attemsi			
553.		Urodacus butleri			
554.		Veliidae sp.			
555.		Vestalenula marmonieri			
556.		Wandesia sp. P1(nr glareosa)(PSW)			
557.		Wydundra barrow			
558.		Wydundra kennedy			
559.		Zenodorus orbiculatus			
560.		Zyxomma elgneri			
561.		nr Encoptarthria sp. B01			Υ
/lammal					
562.	47713	Austronomus australis (White-striped Free-tailed Bat)			
563.		Bos taurus (European Cattle)	Υ		
564.		Bubalus bubalis (Water Buffalo)	Y		
565.		Camelus dromedarius (Dromedary, Camel) Chaerephon jobensis (Greater Northern Freetail-bat, Northern Mastiff Bat)	Y		
566. 567.		Chalinolobus gouldii (Gould's Wattled Bat)			
568.		Chalinolobus morio (Chocolate Wattled Bat)			
569.		Dasycercus blythi (Brush-tailed Mulgara, Ampurta)		P4	
570.		Dasycercus sp. (mulgara)		P4	
571.	24091	Dasykaluta rosamondae (Little Red Kaluta)			
572.	24092	Dasyurus geoffroii (Chuditch, Western Quoll)		Т	
573.	24093	Dasyurus hallucatus (Northern Quoll)		T	
574.		Equus asinus (Donkey)	Υ		
575.		Equus caballus (Horse)	Y		
576.		Felis catus (Cat)	Y	-	
577.		Macroque robustus (Furo Ricardo)		Т	
578. 579.		Macropus robustus (Euro, Biggada) Macropus robustus subsp. erubescens (Euro, Biggada)			
579. 580.		Macropus rufus (Red Kangaroo, Marlu)			
581.		Macrotis lagotis (Bilby, Dalgyte, Ninu)		Т	
582.		Mormopterus Ioriae (Little Northern Freetail-bat)			
583.		Mus musculus (House Mouse)	Υ		
584.	24094	Ningaui ridei (Wongai Ningaui)			
585.	24095	Ningaui timealeyi (Pilbara Ningaui)			
586.		Notomys alexis (Spinifex Hopping-mouse)			
587.		Nyctophilus daedalus (Northwestern Long-eared Bat, Pallid Long-eared Bat)			
588.		Nyctophilus geoffroyi (Lesser Long-eared Bat)	.,		
589.		Oryctolagus cuniculus (Rabbit)	Y		
590. 591		Osphranter robustus (Euro, Biggada) Patrogala rothschildi (Pothschild's Pock-wallahv)			
591. 592.		Petrogale rothschildi (Rothschild's Rock-wallaby) Petrogale sp. (rock wallaby)		Т	
		Planigale ingrami (Long-tailed Planigale)		1	
593.		Planigale maculata (Common Planigale)			
593. 594.	24102	Fianiyale maculata (Common Fianiyale)			
593. 594. 595.		Pseudantechinus woolleyae (Woolley's Pseudantechinus)	663		
594. 595.	24106		Department Conservati	t of Biodiversity,	WESTER AUSTRA

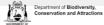


SECS Processing in Security of Security (Security Close) P.4		Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query
2412 Proceedings desirate (Control Moure)	596.	24233	Pseudomys chapmani (Western Pebble-mound Mouse, Ngadii)		P4	Alea
\$4.50 Procedings areas (Florage Control Season Boson)						
601	598.	24237	Pseudomys hermannsburgensis (Sandy Inland Mouse)			
6911 6995 Provincetor automatic (Politica Resir Council and 19 522	599.	24239	Pseudomys nanus (Western Chestnut Mouse)			
662 34174 Norocommon financimon (Protocole Individual State Ball)	600.	43368	Rhinonicteris aurantia (Orange Leaf-nosed bat)		P4	
60.1 20.10 Sindringson grays (Little Board-road Ball)					Т	
19.1. 2.119 Smirringens activiture (Lake long-table Channord)						
865						
Bills 24115 Smintegous countrycos (Lester Natury Colored Curvard)			· · · · · · · · · · · · · · · · · · ·			
1971						
610. 24/07 Faybrooms Bill (HIV) Shanthark Roll 14/07						
611. 24175 Faybraccus procyplanes (Common Sheeth-balled Ball) 612. 24105 Faybraccus (Friedynam's Common Ball) 613. 24265 Faybraccus procyplanes (Common Rock-ret) 614. 24240 Faybraccus (Common Rock-ret) 615. 24250 Zycronyp ancelments (Common Rock-ret) 616. 24250 Zycronyp ancelments (Common Rock-ret) 617. 24250 Zycronyp ancelments (Common Rock-ret) 618. 24250 Zycronyp ancelments (Common Rock-ret) 619. 24251 Zycronyp ancelments (Common Rock-ret) 620. 24251 Zycronyp ancelments (Common Rock-ret) 621. 24251 Zycronyp ancelments (Common Rock-ret) 622. 24251 Zycronyp ancelments (Common Rock-ret) 623. 24251 Zycronyp ancelments (Common Rock-ret) 624. 24251 Zycronyp ancelments (Common Rock-ret) 625. 24252 Zycronyp ancelments (Common Rock-ret) 626. 24252 Zycronyp ancelments (Common Rock-ret) 627. 24251 Zycronyp ancelments (Common Rock-ret) 628. 24251 Zycronyp ancelments (Common Rock-ret) 629. 24251 Zycronyp ancelments (Common Rock-ret) 620. 24251 Zycronyp ancelments (Common Rock-ret) 621. 24251 Zycronyp ancelments (Common Rock-ret) 622. 24251 Zycronyp ancelments (Common Rock-ret) 623. 24251 Zycronyp ancelments (Common Rock-ret) 624. 24251 Zycronyp ancelments (Common Rock-ret) 625. 24251 Zycronyp ancelments (Common Rock-ret) 626. 24251 Zycronyp ancelments (Common Rock-ret) 627. 24251 Zycronyp ancelments (Common Rock-ret) 628. 24251 Zycronyp ancelments (Common Rock-ret) 629. 24251 Zycronyp ancelments (Common	608.	24120	Sminthopsis youngsoni (Lesser Hairy-footed Dunnart)			
611. 24/175 Papis Decorate Mile (PMI) Selection From Come Bull	609.	24207	Tachyglossus aculeatus (Short-beaked Echidna)			
\$1.2 \$2.405 (respective) infrustryous (Common Rock-red) T	610.	24175	Taphozous georgianus (Common Sheath-tailed Bat)			
613. 24249 Zuconya supusus (Common Robinsta) 614. 2/Juronya sup. 615. 2/Juronya sup. 616. 3/Juronya sup. 617. 25532 Ananthopha vealla (Ribbara Death Adder) 617. 25532 Ananthopha vealla (Ribbara Death Adder) 618. 40533 Armyhodhauna tongirostra (Lorgy nostal Dagon) 619. 44614 Anima game (Game's kind sealer (Ribbara)) 620. 44415 Anima game (Game's kind sealer (Ribbara)) 621. 25531 Anima supusus (Game's kind sealer (Ribbara)) 622. 25532 Anima supusus (Game's kind sealer (Ribbara)) 623. 25534 Anima supusus (Game's kind sealer (Ribbara)) 624. 25533 Banchyrodon (Samon's Kymon's Kymon') 625. 25530 Algorithe melanocaphasa (Ribbar-Raded Python) 626. 25533 Banchyrodon aproximate (Potential Significant Sydno) 627. 25531 Banchyrodon aproximate (Potential Significant Sydno) 628. 25533 Banchyrodon aproximate (Potential Significant Sydno) 629. 25532 Contra muses (Significant Siese Kindow Siese) 629. 25533 Banchyrodon aproximate (Potential Siese) 629. 25533 Banchyrodon aproximate (Potential Siese) 629. 25534 Contra muses (Significant Siese) 629. 25535 Contra muses (Significant Siese) 629. 25535 Contra muses (Significant Siese) 629. 25536 Contraded (Death sealer Siese) 629. 25537 Contra muses (Significant Siese) 629. 25538 Commissional Contra muses (Significant Siese) 629. 25538 Commissional Contra muses (Significant Siese) 629. 25539 Commissional Contra muses (Significant Siese) 629. 25539 Commissional Contra Siese (Siese) 629. 25530 Commissional Contra Siese (Siese) 629. 25530 Commissional Contra Siese (Siese) 629. 25530 Commissional Contra Siese (Siese) 629. 25530 Commissional Contra Siese (Siese) 629. 25530 Commissional Contra Siese (Siese) 629. 25531 Contra Siese Anima Siese (Siese) 629. 25532 Commissional Contra Siese (Siese) 629. 25533 Contra Siese Anima Siese An			, , , , , , , , , , , , , , , , , , , ,			
611. 24290 Zyzonyg sophorosianis (Cerryan Robertos, Antino) 618. 24290 Zyzonyg woodward (Kimberley Roberta) Reptile 617. 25332 Acantifuphia wellal (Pillora Depth Addisr) 618. 30033 Amphiboburus Innginoranis (Lung-mosed Tangon) 619. 44404 Antinos (Genic (Genic Salind radise) 619. 44404 Antinos (Genic Genic Salind radise) 619. 44405 Antinos grapus 621. 25318 Antinosia (Genica Salind radise) 622. 25406 Antinos grapus 623. 25318 Antinosia Salindonia Salindonia (Salindonia Python) 624. 25319 Antinosia Salindonia Salindonia Salindonia Python) 625. 25319 Antinosia Salindonia Salindonia Salindonia Python) 626. 25319 Antinosia Salindonia						
615. 2/Jamps sp. 9. 616. 4/Jamps ga. 4/Jamps (Proteins of Proteins					_	
Reptile		24249			Т	V
Reptile		24250				Y
617. 2533. Acanthophia wellai (Pilloan Death Adea) 618. 3033. Anghibophia Indiginates (Pilloan) 619. 44404. Anilias gamei (Gance Sindi snake (Pilbani)) 620. 44403. Anilias gamei (Gance Sindi snake (Pilbani)) 621. 25318. Anianesia simsoni (Simson's Python) 622. 25408. Anianesia simsoni usubap unerialia (Simson's Python) 623. 25519. Anianesia simsoni usubap unerialia (Simson's Python) 624. 25211. Anianesia simsoni usubap unerialia (Simson's Python) 625. 25231. Bandyurquhia agromima (Indin wateria) 626. 25231. Bandyurquhia agromima (Indin wateria) 627. 25231. Bandyurquhia agromima (Indin wateria) 628. 25231. Canta manda (Shaddhid Stella Schelbard) 629. 25231. Canta manda (Shaddhid Stella Schelbard) 630. 24310. Committelyila coalellus usubap horri (Charlesa Gacko) 631. 24311. Cernaturia/sha coalellus usubar, formilia (Shadesa Gacko) 633. 24321. Cernaturia/sha coalellus usubar, formilia (Shadesa Gacko) 634. 30032. Cyproblephana phipopophahara ph		24250	Zyzonnys woodwardi (Niniberiey Rock-rat)			
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662. 25465 Ctenotus uber (Spotted Ctenotus) 663. 25081 Ctenotus uber subsp. johnstonei (Spotted Ctenotus (northeast), Spotted Skink (Balgo, NE WA)) P2 Department of Biodiversity. Pagartment of Biodiversity.	660.	25074	Ctenotus schomburgkii			
663. 25081 Ctenotus uber subsp. johnstonei (Spotted Ctenotus (northeast), Spotted Skink (Balgo, NE WA)) P2 Department of Biodiversity. Department of Biodiversity.						
NE WA)) P2 Department of Biodiversity. Department of Biodiversity.						
NE WA)) Department of Biodiversity. Department of Biodiversity.	663.	25081			P2	
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	NatureMap is a collaborati	ve project of	the Department of Biodiversity, Conservation and Attractions and the Western Australian Museum.	GOVERNMENT OF WESTERN AUSTRALIA	and Attractions	AUSTRALIAN MUSEUM

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	Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
664.	25466	Cyclodomorphus melanops (Slender Blue-tongue)			
665.	25089	Cyclodomorphus melanops subsp. elongatus (Slender Blue-tongue)			
666.	25090	Cyclodomorphus melanops subsp. melanops (Slender Blue-tongue)			
667.	24997	Delma butleri			
668.	24998	Delma elegans			
669.	25000	Delma haroldi			
670.	25001	Delma nasuta			
671.		Delma pax			
672.		Delma tincta			
673.		Demansia psammophis (Yellow-faced Whipsnake)			
674.		Demansia psammophis subsp. cupreiceps (Yellow-faced Whipsnake)			
675.		Demansia psammophis subsp. reticulata (Yellow-faced Whipsnake)			
676.		Demansia rufescens (Rufous Whipsnake)			
677. 678.		Diplodactylus conspicillatus (Fat-tailed Gecko)			
679.		Diplodactylus pulcher			
680.		Diplodactylus savagei (Southern Pilbara Beak-faced Gecko) Diporiphora valens (Southern Pilbara Tree Dragon)			
681.		Egernia cygnitos (Western Pilbara Spiny-tailed Skink)			
682.		Egernia depressa (Southern Pygmy Spiny-tailed Skink)			
683.		Egernia formosa			
684.		Eremiascincus isolepis			
685.		Eremiascincus pallidus (Western Narrow-banded Skink, Narrow-banded Sand			
		Swimmer)			
686.	25109	Eremiascincus richardsonii (Broad-banded Sand Swimmer)			
687.		Furina ornata (Moon Snake)			
688.		Gehyra montium			
689.	24956	Gehyra pilbara			
690.	24958	Gehyra punctata			
691.	24957	Gehyra purpurascens			
692.	24959	Gehyra variegata			
693.	24961	Heteronotia binoei (Bynoe's Gecko)			
694.		Heteronotia sp.			
695.	24962	Heteronotia spelea (Desert Cave Gecko, Pilbara Cave Gecko)			
696.	30926	Lerista amicorum			
697.	25125	Lerista bipes			
698.		Lerista jacksoni			
699.		Lerista labialis			
700.		Lerista macropisthopus			
701.		Lerista macropisthopus subsp. fusciceps			
702.		Lerista muelleri			
703. 704.		Lerista neander Lerista timida			
704.		Lerista urriuda Lerista verhmens			
705. 706.		Lerista zietzi			
707.		Lialis burtonis			
708.		Liasis olivaceus subsp. barroni (Pilbara Olive Python)		Т	
709.		Lucasium stenodactylum		·	
710.		Lucasium wombeyi			
711.		Menetia greyii			
712.		Menetia surda			
713.	25187	Menetia surda subsp. surda			
714.	25495	Morethia ruficauda			
715.	25193	Morethia ruficauda subsp. exquisita			
716.	25498	Nephrurus wheeleri			
717.	24972	Nephrurus wheeleri subsp. cinctus			
718.	24973	Nephrurus wheeleri subsp. wheeleri			
719.		Notoscincus ornatus			
720.	25197	Notoscincus ornatus subsp. ornatus			
721.		Oedura fimbria			
722.		Oedura marmorata (Marbled Velvet Gecko)			
723.		Parasuta monachus			
724.		Pogona minor (Dwarf Bearded Dragon)			
725.		Pogona minor subsp. minor (Dwarf Bearded Dragon)			
726.		Pogona minor subsp. mitchelli (Dwarf Bearded Dragon)			
727.		Proablepharus reginae Proudochis australia (Mulaa Spaka)			
728. 729.		Pseudonaia manadani (Wastern Brown Snake)			
729. 730.		Pseudonaja mengdeni (Western Brown Snake) Pseudonaja modesta (Ringed Brown Snake)			
730. 731.		Pseudonaja modesta (Ringed Brown Snake) Pseudonaja nuchalis (Gwardar, Northern Brown Snake)			
731.		Pygopus nigriceps			
		75 / 5 ··r·	Departmen	t of Biodiversity,	WESTERN





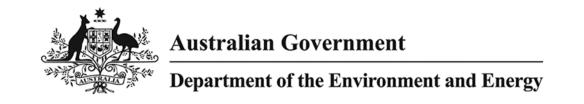


	Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
733.	24982	Rhynchoedura ornata (Western Beaked Gecko)			
734.	24927	Strophurus elderi			
735.	24932	Strophurus jeanae			
736.	24949	Strophurus wellingtonae			
737.	25269	Suta fasciata (Rosen's Snake)			
738.	25307	Suta punctata (Spotted Snake)			
739.	25202	Tiliqua multifasciata (Central Blue-tongue)			
740.	30814	Tympanocryptis cephalus (Pebble Dragon)			
741.	41426	Underwoodisaurus seorsus (Pilbara Barking Gecko)		P2	
742.	25209	Varanus acanthurus (Spiny-tailed Monitor)			
743.	25210	Varanus brevicauda (Short-tailed Pygmy Monitor)			
744.	30825	Varanus bushi (Pilbara Mulga Monitor)			
745.	25211	Varanus caudolineatus			
746.	25212	Varanus eremius (Pygmy Desert Monitor)			
747.	25216	Varanus giganteus (Perentie)			
748.	25218	Varanus gouldii (Bungarra or Sand Monitor)			
749.	48154	Varanus hamersleyensis (Southern Pilbara Rock Goanna)			
750.	25524	Varanus panoptes (Yellow-spotted Monitor)			
751.	25222	Varanus panoptes subsp. panoptes			
752.	25223	Varanus panoptes subsp. rubidus			
753.	25224	Varanus pilbarensis (Pilbara Rock Monitor, Northern Pilbara Rock Goanna)			
754.		Varanus sp.			
755.	25526	Varanus tristis (Racehorse Monitor)			
756.	25227	Varanus tristis subsp. tristis (Racehorse Monitor)			
757.	25311	Vermicella snelli			

Conservation Codes
T - Rare or likely to become extinct
X - Presumed extinct
IA - Protected under international agreement
S - Other specially protected fauna
1 - Priority 1
2 - Priority 2
3 - Priority 2
4 - Priority 4
5 - Priority 5



¹ For NatureMap's purposes, species flagged as endemic are those whose records are wholely contained within the search area. Note that only those records complying with the search criterion are included in the calculation. For example, if you limit records to those from a specific datasource, only records from that datasource are used to determine if a species is restricted to the query area.



EPBC Act Protected Matters Report

This report provides general guidance on matters of national environmental significance and other matters protected by the EPBC Act in the area you have selected.

Information on the coverage of this report and qualifications on data supporting this report are contained in the caveat at the end of the report.

Information is available about <u>Environment Assessments</u> and the EPBC Act including significance guidelines, forms and application process details.

Report created: 20/04/20 15:26:38

<u>Summary</u>

Details

Matters of NES
Other Matters Protected by the EPBC Act
Extra Information

Caveat

<u>Acknowledgements</u>

No Image Available

This map may contain data which are ©Commonwealth of Australia (Geoscience Australia), ©PSMA 2010

Coordinates
Buffer: 40.0Km

No Image Available

Summary

Matters of National Environmental Significance

This part of the report summarises the matters of national environmental significance that may occur in, or may relate to, the area you nominated. Further information is available in the detail part of the report, which can be accessed by scrolling or following the links below. If you are proposing to undertake an activity that may have a significant impact on one or more matters of national environmental significance then you should consider the <u>Administrative Guidelines on Significance</u>.

World Heritage Properties:	None
National Heritage Places:	None
Wetlands of International Importance:	None
Great Barrier Reef Marine Park:	None
Commonwealth Marine Area:	None
Listed Threatened Ecological Communities:	None
Listed Threatened Species:	8
Listed Migratory Species:	9

Other Matters Protected by the EPBC Act

This part of the report summarises other matters protected under the Act that may relate to the area you nominated. Approval may be required for a proposed activity that significantly affects the environment on Commonwealth land, when the action is outside the Commonwealth land, or the environment anywhere when the action is taken on Commonwealth land. Approval may also be required for the Commonwealth or Commonwealth agencies proposing to take an action that is likely to have a significant impact on the environment anywhere.

The EPBC Act protects the environment on Commonwealth land, the environment from the actions taken on Commonwealth land, and the environment from actions taken by Commonwealth agencies. As heritage values of a place are part of the 'environment', these aspects of the EPBC Act protect the Commonwealth Heritage values of a Commonwealth Heritage place. Information on the new heritage laws can be found at http://www.environment.gov.au/heritage

A <u>permit</u> may be required for activities in or on a Commonwealth area that may affect a member of a listed threatened species or ecological community, a member of a listed migratory species, whales and other cetaceans, or a member of a listed marine species.

Commonwealth Land:	None
Commonwealth Heritage Places:	None
Listed Marine Species:	14
Whales and Other Cetaceans:	None
Critical Habitats:	None
Commonwealth Reserves Terrestrial:	None
Australian Marine Parks:	None

Extra Information

This part of the report provides information that may also be relevant to the area you have nominated.

State and Territory Reserves:	None
Regional Forest Agreements:	None
Invasive Species:	9
Nationally Important Wetlands:	None
Key Ecological Features (Marine)	None

Details

Matters of National Environmental Significance

Name Birds Birds Curlew Sandpiper [856] Curlically Endangered Species or species habitat may occur within area Pezoporus occidentalis Night Parrot [59350] Endangered Species or species habitat may occur within area Pezoporus occidentalis Night Parrot [59350] Endangered Species or species habitat likely to occur within area Rostratula australis Australian Painted Snipe [77037] Endangered Species or species habitat may occur within area Mammals Dasyurus hallucatus Northern Quoli, Digul [Gogo-Virnidir], Wijingadda Endangered Species or species habitat known to occur within area Macroderma gipas Ghost Bat [174] Vulnerable Species or species habitat likely to occur within area Macrotis lagotis Greater Bilby [282] Vulnerable Species or species habitat likely to occur within area Macrotis lagotis Greater Bilby [282] Vulnerable Species or species habitat likely to occur within area Rhinonicteris aurantia (Pilbara form) Pilbara Leaf-nosed Bat [82790] Vulnerable Roosting known to occur within area Reptiles Liasis olivaceus barroni Olive Python (Pilbara subspecies) [66699] Vulnerable Species or species habitat known to occur within area Listed Migratory Species Listed Migratory Species Listed Migratory Species Listed Migratory Species Fork-talled Swift [678] Species or species habitat likely to occur within area Migratory Terrestrial Species Hirundo rustica Barn Swallow [662] Species or species habitat may occur within area Motacilla cinerea Grey Waqitali [642]	Listed Threatened Species		[Resource Information]
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Olive Python (Pilbara subspecies) [66699] Vulnerable Species or species habitat known to occur within area Listed Migratory Species * Species is listed under a different scientific name on the EPBC Act - Threatened Species list. Name Threatened Type of Presence Migratory Marine Birds Apus pacificus Fork-tailed Swift [678] Species or species habitat likely to occur within area Migratory Terrestrial Species Hirundo rustica Barn Swallow [662] Species or species habitat may occur within area	Reptiles		within area
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Name	Threatened	Type of Presence
		habitat may occur within area
Motacilla flava Yellow Wagtail [644]		Species or species habitat may occur within area
Migratory Wetlands Species		
Actitis hypoleucos		
Common Sandpiper [59309]		Species or species habitat may occur within area
Calidris acuminata		
Sharp-tailed Sandpiper [874]		Species or species habitat may occur within area
Calidris ferruginea		
Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area
<u>Calidris melanotos</u>		
Pectoral Sandpiper [858]		Species or species habitat may occur within area
<u>Charadrius veredus</u>		
Oriental Plover, Oriental Dotterel [882]		Species or species habitat may occur within area
Other Matters Protected by the EPBC Act		
Listed Marine Species * Species is listed under a different scientific name on	the EPBC Act - Threatened	[Resource Information]
Name	Threatened	Type of Presence
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Name		•
Name Birds Actitis hypoleucos		Type of Presence Species or species habitat
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Name Birds Actitis hypoleucos Common Sandpiper [59309] Apus pacificus Fork-tailed Swift [678] Ardea alba Great Egret, White Egret [59541] Ardea ibis		Species or species habitat may occur within area Species or species habitat likely to occur within area Species or species habitat likely to occur within area
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Species or species

Chrysococcyx osculans
Black-eared Cuckoo [705]

Name	Threatened	Type of Presence
		habitat known to occur within area
Hirundo rustica Barn Swallow [662]		Species or species habitat
		may occur within area
Merops ornatus		
Rainbow Bee-eater [670]		Species or species habitat may occur within area
Motacilla cinerea		
Grey Wagtail [642]		Species or species habitat may occur within area
Motacilla flava		
Yellow Wagtail [644]		Species or species habitat may occur within area
Rostratula benghalensis (sensu lato)		
Painted Snipe [889]	Endangered*	Species or species habitat may occur within area

Extra Information

Buffel-grass, Black Buffel-grass [20213]

Invasive Species [Resource Information]

Weeds reported here are the 20 species of national significance (WoNS), along with other introduced plants that are considered by the States and Territories to pose a particularly significant threat to biodiversity. The following feral animals are reported: Goat, Red Fox, Cat, Rabbit, Pig, Water Buffalo and Cane Toad. Maps from Landscape Health Project, National Land and Water Resouces Audit, 2001.

Name	Status	Type of Presence
Mammals		
Camelus dromedarius		
Dromedary, Camel [7]		Species or species habitat likely to occur within area
Canis lupus familiaris		
Domestic Dog [82654]		Species or species habitat likely to occur within area
Equus asinus		
Donkey, Ass [4]		Species or species habitat likely to occur within area
Equus caballus		
Horse [5]		Species or species habitat likely to occur within area
Felis catus		
Cat, House Cat, Domestic Cat [19]		Species or species habitat likely to occur within area
Mus musculus		
House Mouse [120]		Species or species habitat likely to occur within area
Oryctolagus cuniculus		
Rabbit, European Rabbit [128]		Species or species habitat likely to occur within area
Vulpes vulpes		
Red Fox, Fox [18]		Species or species habitat likely to occur within area
Plants		
Cenchrus ciliaris		

Species or species

Caveat

The information presented in this report has been provided by a range of data sources as acknowledged at the end of the report.

This report is designed to assist in identifying the locations of places which may be relevant in determining obligations under the Environment Protection and Biodiversity Conservation Act 1999. It holds mapped locations of World and National Heritage properties, Wetlands of International and National Importance, Commonwealth and State/Territory reserves, listed threatened, migratory and marine species and listed threatened ecological communities. Mapping of Commonwealth land is not complete at this stage. Maps have been collated from a range of sources at various resolutions.

Not all species listed under the EPBC Act have been mapped (see below) and therefore a report is a general guide only. Where available data supports mapping, the type of presence that can be determined from the data is indicated in general terms. People using this information in making a referral may need to consider the gualifications below and may need to seek and consider other information sources.

For threatened ecological communities where the distribution is well known, maps are derived from recovery plans, State vegetation maps, remote sensing imagery and other sources. Where threatened ecological community distributions are less well known, existing vegetation maps and point location data are used to produce indicative distribution maps.

Threatened, migratory and marine species distributions have been derived through a variety of methods. Where distributions are well known and if time permits, maps are derived using either thematic spatial data (i.e. vegetation, soils, geology, elevation, aspect, terrain, etc) together with point locations and described habitat; or environmental modelling (MAXENT or BIOCLIM habitat modelling) using point locations and environmental data layers.

Where very little information is available for species or large number of maps are required in a short time-frame, maps are derived either from 0.04 or 0.02 decimal degree cells; by an automated process using polygon capture techniques (static two kilometre grid cells, alpha-hull and convex hull); or captured manually or by using topographic features (national park boundaries, islands, etc). In the early stages of the distribution mapping process (1999-early 2000s) distributions were defined by degree blocks, 100K or 250K map sheets to rapidly create distribution maps. More reliable distribution mapping methods are used to update these distributions as time permits.

Only selected species covered by the following provisions of the EPBC Act have been mapped:

- migratory and
- marine

The following species and ecological communities have not been mapped and do not appear in reports produced from this database:

- threatened species listed as extinct or considered as vagrants
- some species and ecological communities that have only recently been listed
- some terrestrial species that overfly the Commonwealth marine area
- migratory species that are very widespread, vagrant, or only occur in small numbers

The following groups have been mapped, but may not cover the complete distribution of the species:

- non-threatened seabirds which have only been mapped for recorded breeding sites
- seals which have only been mapped for breeding sites near the Australian continent

Such breeding sites may be important for the protection of the Commonwealth Marine environment.

Coordinates

-22.82663 119.16437

Acknowledgements

This database has been compiled from a range of data sources. The department acknowledges the following custodians who have contributed valuable data and advice:

- -Office of Environment and Heritage, New South Wales
- -Department of Environment and Primary Industries, Victoria
- -Department of Primary Industries, Parks, Water and Environment, Tasmania
- -Department of Environment, Water and Natural Resources, South Australia
- -Department of Land and Resource Management, Northern Territory
- -Department of Environmental and Heritage Protection, Queensland
- -Department of Parks and Wildlife, Western Australia
- -Environment and Planning Directorate, ACT
- -Birdlife Australia
- -Australian Bird and Bat Banding Scheme
- -Australian National Wildlife Collection
- -Natural history museums of Australia
- -Museum Victoria
- -Australian Museum
- -South Australian Museum
- -Queensland Museum
- -Online Zoological Collections of Australian Museums
- -Queensland Herbarium
- -National Herbarium of NSW
- -Royal Botanic Gardens and National Herbarium of Victoria
- -Tasmanian Herbarium
- -State Herbarium of South Australia
- -Northern Territory Herbarium
- -Western Australian Herbarium
- -Australian National Herbarium, Canberra
- -University of New England
- -Ocean Biogeographic Information System
- -Australian Government, Department of Defence
- Forestry Corporation, NSW
- -Geoscience Australia
- -CSIRO
- -Australian Tropical Herbarium, Cairns
- -eBird Australia
- -Australian Government Australian Antarctic Data Centre
- -Museum and Art Gallery of the Northern Territory
- -Australian Government National Environmental Science Program
- -Australian Institute of Marine Science
- -Reef Life Survey Australia
- -American Museum of Natural History
- -Queen Victoria Museum and Art Gallery, Inveresk, Tasmania
- -Tasmanian Museum and Art Gallery, Hobart, Tasmania
- -Other groups and individuals

The Department is extremely grateful to the many organisations and individuals who provided expert advice and information on numerous draft distributions.

Please feel free to provide feedback via the Contact Us page.

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75AD9D<5; =859Á	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á
Šæ¢e*^Á	da&[∥[¦Á	Y@az^Ë, aj,*∧åÁ/¦aj ∧¦Á	Á	Á	ÝÁ	Á	Á	ÝÁ	ÝÁ	Á
Ô[¦æ& ð j æÁ	{æ¢ã(æÁ	Õ¦[ˇ}åÁÔˇ&\[[Ë•@ã^Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
Ô[¦æ& ð j æÁ	}[çæ^@[æ)åãæ^Á	Ó æ&\Ëæ&^åÁÔ`&\[[Ë=@ã^Á	Á	Á	ÝÁ	Á	Á	ÝÁ	ÝÁ	Á
75DF=AI@, =859Á	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á
Òˇ¦[•﴿][厕Á	æ‡* ˇ•Á	Ù][oc^åÁr∂ãobbe÷Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
75GI5F=859Á	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á

Õ^} ˇ•Á Ù] ^&æ•Á	Ù] ^&&•Á	Ô[{{[}Ápæ{^Á	Ô[}•^¦çæaaji •æaeč•Á	} Á	Öææææ^Á/	\æ&@∙Á			• <u>, '</u> ô' (√)	Ü.
		KÓÓKBA	ÒÚÓÔÁRBA	Þæĭ!^TæjÁ	ὄΙ ὀὸΑύΤ ὑνν	ÖÓÔŒA œ?aæ?}^åÁ -æi}æÁ	ÓPÚÁ] ¦^çā ~ Á æ } æ Á ¦^& å• Á	Ù^] &{ à^!ÆEFJÁ •`'¦ç^^Á	[c^Ásaá,^¦ænÁ c^{à^¦ÁGEFJË k@AGEGETÁ	
Ö¦[{æã•Á	}[çæ^@ æ)åãæe^Á	Ò(ˇÁ	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
79BHFCDC8=859	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á
Ô^}d[]]@ o aa)aj ઁ∙Á	Ú@ æ æ) œÓ[* &æ‡Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
7<5F58F=859	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á
Ò •^^[¦}ã	{ ^ æ}[]•ÁÁÁ	Ó æ&\Ë; } &^åÁÖ[œ^¦^ Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
Ô@dæ#ilã•	&ãj &c* •Á	Ü^åË}^^åÆ̈[œ^¦^ Á	Á	Á	ÝÁ	Á	Á	Á	Á	Á
7=GCA5H=859	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á
Ú•[] @å^•Á	[&&ãã^} cæþã Á	Y ^• c^\} ÁY ^å* ^àą̃ Á	Á	Á	ÝÁ	Á	Á	Á	Á	Á
7C@ A6=859	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á
Õ^[]^ æe	&`}^ææA	Öãæ [Á	Á	ÝÁ	Á	Á	ÝÁ	Á	ÝÁ
Õ^[]^ ãæÁ] æ&æåæÁ	Z^àlæŐ[ç^Á	Á	Á	ÝÁ	Á	Á	Á	Á	Á
Õ^[]^ ã e	Ùd ãxxxx/j æ&ãåæÁ	Ú^æ\$^~` ÁÖ[ç^Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
Õ^[] @#]•] ~{ ã^!æÁ	Ù] ¾ ã^¢ÁÚã ^[} Á	Á	Á	ÝÁ	Á	Á	ÝÁ	ÝÁ	ÝÁ
U&^] @#]•	[[] @♂•Á	Ô¦^• c^åÁÚã ^[} Á	Á	Á	ÝÁ	Á	Á	ÝÁ	ÝÁ	Á
Ú@ ∤ •	&@#&[] c^¦æÁ	Ô[{{[}ÁÓ [}:^,ã;*Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	ÝÁ
7CFJ=859	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á
Ô[¦çˇ•	à^}}^ocaÃ	Šãcq^ÁÔ¦[¸Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
Ô[¦çˇ•Á	U¦¦`Ai`à•]È&∧&‡ae•A	V[¦¦^•ã aà ,ÁÔ¦[¸Á	Á	Á	ÝÁ	Á	Á	ÝÁ	ÝÁ	ÝÁ
Ô[¦çˇ• <i>A</i> Á	&[¦[} [ãâ^•Á	Œ.•dæn(a)ÁÜænç^}Á	Á	Á	ÝÁ	Á	Á	Á	Á	Á
Ô[¦çˇ•Á	[¦¦ˇÁrˇà•]ÈÁ&∧&ã[æt⁰Á	Y ^• ¢^\} ÁÔ¦[¸ Á	Á	Á	ÝÁ	Á	Á	Á	Á	Á
7F57H - 7=859°	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á
Ô¦æ&ææ*•Æ	} <i>ā</i> t'[* æ āA	Úā\åÁÓˇ œ@\àãåÁ	Á	Á	ÝÁ	Á	Á	ÝÁ	ÝÁ	ÝÁ
Ô¦æ\$æ¥*•Æ	cãa ã&^} Á	OE∙dæpäæn)ÁTæ≛]ã∿Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	ÝÁ
Ô¦æ&æ&`•Á	caāa&^}Aí*à•]Eaå[¦•aaþãiÁ	Y@an^Ëaæ&\^åÁTæ*]anÁ	Á	Á	ÝÁ	Á	Á	Á	Á	Á
Ô¦æ&æ&`•Æ	q'¦ĭĭæeč•Á	Õ¦^^ÁÓˇ&@¦àãåÁ	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
7171 @859	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á
Ôæ&[{æ}æ[Æ]æ ãão ઁ•Á	Úæ æaÁÔ*&\[[Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
Ô@^•[&[&&^¢ÁÁ	àææa‡ãÁ	P[•^	Á	Á	ÝÁ	Á	Á	Á	Á	Á

Õ^} ˇ•Á Ù] ^& ð •Á		Ô[{{[}ÁÞæ{^Á	Ô[}•^¦çæaá[•æacĕ•Á	} Á	Öæææèæ^Á/	\æ&@•Á			<u>, Ś.</u>	Ü \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
			KÓÓKBOÁ	ÒÚÓÔÁŒÁ	Þæč'^TæjÁ	ὅ[ὀὸΑΏΤ ὑν/	ÖÓÔŒÁ œ^æ~}^åÁ -æ`}æÁ	ÓPÚÁ] !^çā ~ Á -æ } æ Á !^&! !å• Á	ÙN] ơ{ àN!ÆŒJÁ •* ¦ç^^Á	[¢^k&a{^ æ^Á ¢^{à^ ÁGEFJË @ÎGEGEDÁ
8 <i>⊒</i> 59 ± 859Á	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á
Ö && *^{	@f`}åðjæ&^`{Á	Τã-q^q·^ÁàãåÁ	Á	Á	ÝÁ	Á	Á	ÝÁ	ÝÁ	Á
8 ₹FIF=859°	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á
Ü@jāa`¦æAÁ	æþàðir &æðjæÁ	Õ¦^^ÁØæ)cæãjÁ	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
Ü@qaa~¦æAÁ	^~&[]@^•Á	Yā∥ā∿ÁvætoæājÁ	Á	Á	ÝÁ	Á	Á	ÝÁ	ÝÁ	ÝÁ
9GHF=@8=859°	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á
Ò{ à ^{ æ]	Úæjic^å <i>ÁØ</i> ji&@Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	ÝÁ
Væ^} ã[]^*ãæ	* `aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa	Z^à¦æÁØã;&@Á	Á	Á	ÝÁ	Á	Á	ÝÁ	ÝÁ	Á
Þ^[&@ ãæ	lĭ~a&æĕåæÁ	Ùæd <i>ÁØ</i> B; &@Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
:5@7CB=859	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á
Øæ\$&[à^ <i>¦ã</i> *[<i>¦æ</i> Á	Ó¦[¸}ÁØæ‡8[}Á	Á	Á	ÝÁ	Á	Á	ÝÁ	ÝÁ	Á
Øæ &[Á	@][^~&[•Á	Õ¦^^ <i>ÁØæ</i> 48[}Á	ΧˇÁ	Á	ÝÁ	Á	ÝÁ	Á	Á	Á
Øæ\$&[&^} &@(ãã^•Á	Þæ)\^^}ÁS^∙d^ Á	Á	Á	ÝÁ	Á	Á	ÝÁ	ÝÁ	Á
Øæ\$&[[}* ā ^}}ãÁ	Œi∙da (ãa) ÁP[àà^Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
Øæ\$&[]^{^*/*/ðj~•Á	Ú^¦^*¦ãj,^ÁØæþ&[}Á	UÙÁ	Á	ÝÁ	Á	ÝÁ	ÝÁ	Á	Á
<=FIB8=B=859	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á
Ú^d[&@ ãa[}	} <i>ā</i> *¦ a8æ)• Á	V¦^^ÁTælóājÁ	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
Pã~} å[Á	l ॅ• æ&æÁ	Óæl}ÁÛ¸æ∥[¸Á	ODEÁ	T Œ	Á	ÝÁ	Á	Á	Á	Á
@5F=859 [°]	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á
Õ^ [&@ ãa[} Á	}ã[(a&aaÁ	Õˇ Ëàā ^åÆr\} Á	Á	Á	Á	ÝÁ	ÝÁ	Á	Á	Á
A5@F=859Á	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á
Tæj"¦"∙Á	læ{ à^¦œãÁ	Xælan*æen°åÁk⊘ænanî Ё, ¦n}Á	Á	Á	ÝÁ	Á	Á	ÝÁ	ÝÁ	ÝÁ
Tæ ĭ¦ĭ∙Á	^~&[] <i>c</i> ^¦~•Á	Y@nar^Ë,ā),*^åÁØenanî^Ë,¦^}Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
ÙœĴãč¦ັ∙Á	¦~- 38 ^]•Á	Ü´-{´•Ë&¦[¸}^åÁÔ{`Ĕ¸¦^}Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
OE ^{ } ã Á	∙dãæeč•Á	Ùdãæe^åÁÕ¦æ∙¸¦^}Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	ÝÁ
OĘ ^{{¦}ãA	∙dãeeč•Ár`à•]ÈÄ,@ãe^ãÁ	ܡ-{ˇ•ÁÕl數l^}Á	ÚI Á	Á	ÝÁ	Á	Á	Á	Á	Á
A9@D<5; =859°	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á
OB&a);o@et^}^•ÁÁ	¦ˇ-{*ˇ æåãAÁ	Ù]āļ^Ë&@^\^åÁP[}^^^æe^¦Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á

Õ^}ˇ∙Á	Ù] ^& à •Á	Ô[{{[}Ápæ{^Á	Ô[}•^¦çæaa[}Á •œae: •Á		Öæææàæ^Áv^	•æ&@•Á			• <u>` </u>	Ŭ. [<û } } \$& T 8& A
			KÓÓKBOÁ	ÒÚÓÔÁŒÁ	Þæč'^TæjÁ	ὄ[ὀὸΑύΤ ὑν/	ÖÓÔŒA 0@^æm}^åÁ -æi}æÁ	ÓPÚÁ] !^çã * • Á -æ } æ !^&! !å• Á	Ŋœ{à^!ÆŒIJÁ ~¦ç^^Á	[& Asaf ^ æ Á &{ à^!ÁGEFJË !@AGEGETÁ
Ò]o@ane) ˇˈaneMÁ	da&[∥¦Á	Ô¦ã(•[}ÁÔ@æÁ	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
Ò/^{ @ /} æ Á	&æc^/áÁ	Ù] ą̃ ã^¢ËaãåÁ	Á	Á	ÝÁ	Á	Á	ÝÁ	ÝÁ	Á
Õæçã&æ†ãrÁÁ	çã^•&^}•Á	Ùā; *ā; *ÁP[}^^æ;\Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
Šæ&č•d[a&æ#Á	,oanc^anÁ	Õ¦^^ÆP[}^^^æe^\¦Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
Ša&@, ∧¦æÁÁ	ājåārcāj&cæÁ	Ó:[, } ÁP[} ^^^æe^¦Á	Á	Á	ÝÁ	Á	Á	ÝÁ	ÝÁ	Á
Tæ)[¦ã)æÁÁ	-¦æçãtĭ æÁ	Ÿ^ [¸Ëc@[æe^åÁTąj^¦Á	Á	Á	ÝÁ	Á	Á	ÝÁ	ÝÁ	ÝÁ
T^ ão@^] č ∙ÁÁ	*ĭ æáãnÁ	Ó æ&\ Ë&@\$}^åÁP[}^^^æe^\¦Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
Úcáj[č æÁÁ	\^æddæ)åãÁ	Õ¦^^Ë@^æå^åÆ[}^^^æe^¦Á	Á	Á	ÝÁ	Á	Á	ÝÁ	ÝÁ	ÝÁ
Úcáj[č æÁ]^} \$8\$\$ æeæA	Y@amîdjiĭ{^åÁP[}^ÂÒæamiÁ	Á	Á	ÝÁ	Á	Á	ÝÁ	ÝÁ	Á
Ú*¦}^ æÁ	æ¦àã-¦[}∙Á	Y @mar\E; } c^å Ar[} ^^^æe^\A	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
A9FCD=859	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á
T^¦[]•Á	[¦}æeč•Á	Üæ∄jà[¸ÁÓ^^Ë∖æe^¦Á	Á	Á	ÝÁ	Á	Á	ÝÁ	ÝÁ	Á
ACB5F7<=859	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á
Õ¦æ∦ <i>ãj æ#</i> Á	&^ <i>æ</i> }[^*&æÁ	Tæ≛]ãnÁpæ∖Á	Á	Á	ÝÁ	Á	Á	ÝÁ	ÝÁ	ÝÁ
ACH57=@@859Á	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á
Ω‡ c@•Á	}[çæ^•^^ æ)åãæ•^Á	Œ ∙dæ¢æ•ãæ)ÁÚājãoÁ	Á	Á	ÝÁ	Á	Á	ÝÁ	ÝÁ	Á
T [æ&#]###################################	&#j^;^æÁ</td><td>Õ¦^^ÁvætæãjÁ</td><td>T Œ</td><td>ODEÁ</td><td>Á</td><td>ÝÁ</td><td>Á</td><td>Á</td><td>Á</td><td>Á</td></tr><tr><td>CH-8-859Á</td><td>Á</td><td>Á</td><td>Á</td><td>Á</td><td>Á</td><td>Á</td><td>Á</td><td>Á</td><td>Á</td><td>Á</td></tr><tr><td>Œå^[æÃ</td><td>æĕ∙dæjaÃ</td><td>CE•dæ)aíÓ •cæ)åÁ</td><td>Á</td><td>Á</td><td>ÝÁ</td><td>Á</td><td>Á</td><td>Á</td><td>Á</td><td>Á</td></tr><tr><td>D57<M79D<5@859Á</td><td></td><td>Á</td><td>Á</td><td>Á</td><td>Á</td><td>Á</td><td>Á</td><td>Á</td><td>Á</td><td>Á</td></tr><tr><td>U¦^[&&æÁ</td><td>*ĭocĭlæ†ãiÁ</td><td>Ô¦^• & åÁÓ^ àãåÁ</td><td>Á</td><td>Á</td><td>ÝÁ</td><td>Á</td><td>Á</td><td>ÝÁ</td><td>Á</td><td>Á</td></tr><tr><td>Úæ&@&^]@dæÁ</td><td>lˇ-ãç^}dã∙ÁÁ</td><td>Ü~ - (</td><td>Á</td><td>Á</td><td>ÝÁ</td><td>Á</td><td>Á</td><td>ÝÁ</td><td>ÝÁ</td><td>Á</td></tr><tr><td>Ô[*¦&3;& æÁ</td><td>©ed{[}&&æ#Á</td><td>Õ¦^^ÁÙ@ã^Ëœ°•@Á</td><td>Á</td><td>Á</td><td>ÝÁ</td><td>Á</td><td>Á</td><td>ÝÁ</td><td>ÝÁ</td><td>ÝÁ</td></tr><tr><td>D5B8=CB=859</td><td>Á</td><td>Á</td><td>Á</td><td>Á</td><td>Á</td><td>Á</td><td>Á</td><td>Á</td><td>Á</td><td>Á</td></tr><tr><td>Úæ), å.₫.} Æĺ</td><td>&¦ãœe•Á</td><td>Òæ c^{} / [^^ Á</td><td>T Œ</td><td>T Œ</td><td>Á</td><td>Á</td><td>ÝÁ</td><td>ÝÁ</td><td>Á</td><td>Á</td></tr><tr><td>D5 F85 @CH=859 Á</td><td>Á</td><td>Á</td><td>Á</td><td>Á</td><td>Á</td><td>Á</td><td>Á</td><td>Á</td><td>Á</td><td>Á</td></tr><tr><td>Úæ¦åæ∦[č•Á</td><td>•dãæcĕ•ÁÁ</td><td>Ùdãæe^åÁÚæåæe[e^Á</td><td>Á</td><td>Á</td><td>ÝÁ</td><td>Á</td><td>Á</td><td>ÝÁ</td><td>ÝÁ</td><td>Á</td></tr><tr><td>Úæ¦åæ∦ č•Á</td><td>l`à&æ°•Á</td><td>Ü^åËå¦[¸^åÁÚæååæ∦ &Á</td><td>Á</td><td>Á</td><td>ÝÁ</td><td>Á</td><td>Á</td><td>ÝÁ</td><td>Á</td><td>Á</td></tr></tbody></table>									

Õ^} * • Á	Ù] ^& & •Á	Ô[{{[}}ÁÞæ{^Á	Ô[}•^¦çæa[i] •œaeč•Á			`æ&@•Á			<u>, ', '</u>	Ü } } } } } } } }
			KÓÓKBÁ	ÒÚÓÔÁDBA	Þæč¦^TæjÁ	ὄ[ὀὸΑΎΤ ÙV/	ÖÓÔŒA œ?æ?}^åÁ æ} æÁ	ÓPÚÁ]	Ù^] ø{ à^¦ÆŒFJÁ •~ïç^^Ä	[c^&aq^ aaÁ c^{à^ AGEFJË &@AEGETÁ
D9 @975B=859	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á
Ú^ ^&æ) ˇ•ÆÍ	&[}•]&&a æe*•Á	CE•dæqãæq)ÁÚ^ ã&æq)Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
D9HFC-7-859Á	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á
T^ æ}[å¦^æ•Á	&`&` æææÁ	P[[å^åÁÜ[àãှ Á	Á	Á	ÝÁ	Á	Á	Á	Á	Á
Ú^d[æ&æÁ	*[[å^}[çããÁ	Ü^åË&a}]^åÁÜ[àãjÁ	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
D<59H <cbh-859á< td=""><td>Á</td><td>Á</td><td>Á</td><td>Á</td><td>Á</td><td>Á</td><td>Á</td><td>Á</td><td>Á</td><td>Á</td></cbh-859á<>	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á
Ú@¢;æ%![&[¦æ;A	• ˇ &ã[• dã Á	Šãod^ÁÓ æ&\ÁÔ[¦{[¦æ};oÁ	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
D<5G=5B=859Á	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á
Ô[č ¦} ã¢Á	^]• a [] @;¦æÁ	Ó¦[¸}ÁÛˇæãÁ	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
DC85F; = 859Á	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á
Ú[åæl* ˇ∙Á	•d∄[ãa^•Á	Væç}^ÁØ1[*{[ĭc@Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
DCA5HCGHCA=859Á	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á
Ú[{æ{•q{ĭ•Á	c^{][¦æþãÁ	Õ¦^^Ë&¦[¸}^åÁÓæàà ^¦Á	Á	Á	ÝÁ	Á	Á	ÝÁ	ÝÁ	Á
Ú[{æq[•q[{ ઁ•Æ	• ˇ] ^ ¦&ððð • ˇ • Á	Y@am²Ëa¦[¸^åÁÓæàà ^¦Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
DFC79@@5F=859	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á
Tæ&¦[}^&c^•Æ\	* <i>ā</i> *æ) ¢^ ヾ•Á	Ù[ˇo@^¦}/ÃÕãæ);oÁÚ^d^ Á	Á	Á	ÝÁ	Á	ÝÁ	Á	Á	Á
DG+HH57=859Á	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á
Ú^:[][¦~•Æ	[&&ãã^} æ‡ã Á	Þat @aÁÚæd¦[oÁ	Ô¦Á	Ò} Á	Á	ÝÁ	Á	Á	Á	Á
Ú æc°&^¦&~•Æ	çælã•Á	Tˇ *æÁÚæd¦[cÁ	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
T^ []•ãæ&`•Á	ˇ}åˇ æeˇ∙Á	Ó`å*^¦ðtæ¦Á	Á	Á	ÝÁ	Á	Á	ÝÁ	ÝÁ	Á
Ú æc^&^¦&~•Æ	:[}ædã•Ánˇà•]ÈÁ[}ædã•Á	Ú[¦ơÁSã]&[}ÁÚæ; [ơÁ	Á	Á	ÝÁ	Á	Á	Á	Á	Á
DH=@BCF <mb7<=85 9 Á</mb7<=85 	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á
Úa[[}[¦@}&@•Á	*ĭocæcĭ•Á	Y ^• ơ\} ÁÓ[¸ ^¦àãåÁ	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	ÝÁ
Úa[[}[¦@}&@•AÁ	{æ&ĭ æeč•Á	Ù] [œ^åÁÓ[¸ ^¦àãåÁ	Á	Á	ÝÁ	Á	Á	Á	Á	Á
F5 @@859 Á	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á
Õæ lãæ j~•Æ]@#]]^}•ãÁ	Óˇ~Ēàæ)å^åÁÜæājÁ	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
Ú[¦] @¦ ą į Ǽ][¦] @¦ ą ̇́Á	Úˇ¦] ^ÁÛ¸æ{]@}Á	Á	Á	ÝÁ	Á	Á	Á	Á	Á

Õ^}ˇ∙Á	Ù]^&æ•Á	Ô[{{[}}ÁÞæ{^Á	Ô[}•^¦çæaaji •œaeč•Á	} Á	Öæææàæ•^Á•^	^æ&@•Á			• <u>`'</u> ç'	Ü^{ \(\tilde{\t
			KÓÔ KŒOÁ	ÒÚÓÔÁŒÁ	Þæč'^TæjÁ	ὄ[ὀὸΑύΤ ὑν/	ÖÓÔŒÁ œ?æ?}^åÁ æ} æÁ	ÓPÚÁ] !^çā ~ Á -æ } æ Á !^&! !å• Á	Ù^] @{ à^!ÆEFJÁ •~ ¦ç^^Á	[o^kaa;^!æÅ o^{à^!AGEFJË !@AGEGEDÅ
Ú[¦: æ) æ#Á	œaà`^}•ã∙Á	Ù][d^••ÁÔ¦æ}^Á	Á	Á	ÝÁ	Á	Á	Á	Á	Á
FCGHF5HI @859	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á
Ü[•dæč æċ	æĭ∙dæpãÁ	Œ•dæqãæn)ÁÚæãaje^ååËe}āj^Á	ÒÞÁ	ÒÞÁ	Á	ÝÁ	Á	Á	Á	Á
G7C@CD57=859	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á
Ôæþáðilði Á	-^;;**ãj^æÁ	Ô´¦ ^¸ÁÛæ)å]ā]^¦Á	Ô¦Á	Ô¦ ĐẤT TẦ	Á	ÝÁ	Á	Á	Á	Á
V¦ą̃*æÁÁ	}^àˇ ædãæÁ	Ô[{{[}ÁŐ¦^^}•@æ)\Á	T Œ	ODEÁ	Á	Á	ÝÁ	ÝÁ	Á	Á
GHF = = 8 5 9 <i>Á</i>	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á
Þ ã [¢Á	&[}}&[^}•Á[}}&p^^}•Á	Óæl\ãj*ÁU, Á	ÚHÁ	Á	ÝÁ	Á	ÝÁ	ÝÁ	Á	Á
GM@J =8 5 9 °	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á
OB¦[&^]@¢~•ÁÄ	æĭ∙dæjãÁ	Œ•dæpän)ÁÜ^^åÁvæbà ^¦Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
H <f9g?±cfb±h<-85 9Á</f9g?±cfb±h<-85 	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á
V@^•\ą̃¦}ãÁ	•] ĝ æ[ã Á	Ùdæ, Ë,^&∖^åÁQãÁ	Á	Á	ÝÁ	Á	Á	Á	Á	Á
HI FB-₹-859Á	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á
V~¦} ã¢Á	ç^ [¢Á	Šãnd^ÁÓ co[}Ë ĕaãAÁ	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
HMHCB=859Á	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á
V^q Á	æ¢àæÁ	Óæd}ÁU, Á	Á	Á	ÝÁ	Á	Á	Á	Á	Á
FYdh]`Yg										•
5; 5A=859Á	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á
Ô¢^}[] @¦~•Á	&æ`å &ã , &c`•Á	Ü ã, * Ēæã∤ ^åÁÖ¦æ*[}Á	Á	Á	ÝÁ	Á	Á	ÝÁ	ÝÁ	Á
Ô¢^}[] @¦~•Á	ã[^]ãÁ `à•]È∜ ` æ¦ãÁ	Ô^}dæpÁTápānæð^ÁÖ¦æð*[}Á	Á	Á	ÝÁ	Á	Á	Á	Á	Á
Ô¢^}[] @¦~•Á	ã[^]ãÁ `à•]Èã[^]ãÁ	Þ[¦c@d}}ÁTájánad^ÁÖ¦æt[}Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
Ô¢^}[] @¦~•Á	ã[^]ãÁi`à•]È&ãdãjŏ•Á	Ÿ^ [, ^ÁTājāāæ}^ÁÖ¦æ*[}Á	Á	Á	ÝÁ	Á	Á	Á	Á	Á
Ô¢^}[] @¦~•Á	} ~&@ da ~ <i>A</i> MÁ	Ô^}dæ Áp^œ^åÁÖ¦æ*[}Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
Ô¢^}[]@ ~•Á	¦^ca&ĭ æeč•Á	Y^•¢^{} ÁÞ^œ^åÁÖ¦æ*[}Á	Á	Á	ÝÁ	Á	Á	Á	Á	Á
Öğ [¦ğ @ ¦æÁ	çæ(^}•Á	Ú‡jàælæÁV¦^^ÁÖ¦æ*[}Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
Õ[¸ãã[}Á	[[} *ã[•dãÁ	Š[}*₿[•^åÁÖ¦æ*[}Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
Ú[*[}æ#Á	Tặ[¦Ái`à•]EĄ́iặ[¦Á	Ö¸æ'#Ó^æ'å^å#Ö æ*[}Á	Á	Á	ÝÁ	Á	Á	Á	Á	Á

Õ^}ˇ∙Á	Ù]^&&•Á	Ô[{{[}Án>æ{^Á	Ô[}•^¦çæañ[•æaeč•Á	} Á	Öæææèæ^Á/	`æ&@•Á			<u>., Š</u>	% [<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0,0]<0
			KÓÓKBGÁ	ÒÚÓÔÁŒÁ	Þæč¦^TæjÁ	ὄ[ὀὸΑὖΤ ὑν/	ÖÓÔŒA œ?aæ?}^åÁ -æi}æÁ	ÓPÚÁ] !^çą ~ Á -æ } æ Á !^&! !å• Á	ν]	[& Asaf ^ æÁ &{ à^ ÁGEFJË !@GEGETÁ
Ú[*[}æÁ	{ãj[¦Án `à•]ÈÁ(ãa&@o∥ãÁ	Ö¸æl-ÁÓ^ælå^åAÖ¦æt[}Á	Á	Á	ÝÁ	Á	Á	Á	Á	Á
V^{]æ}[&¦^]æñÆÁ	&^] @ # ˇ•Á	Ú^àà ^ÁÖ¦æ*[}Á	Á	Á	ÝÁ	Á	Á	Á	Á	Á
75FD <c857hm@85 9Á</c857hm@85 	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á
Þ^] @ˇ¦ˇ•Á	¸@^ ^ <i>\ã</i> \$ã;&č•Á	Óæ); å^åÁs} [àĒæá)(^åÁÕ^&\ [Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
Þ^] @ˇ¦ˇ•Á	¸@^/^ <i>¦ã</i> Áˇà•]È́à @^/^ <i>¦Á</i>	Óæ); å^åÁs} [àĒæá)(^åÁÕ^&\ [Á	Á	Á	ÝÁ	Á	Á	Á	Á	Á
8 = D@C857 HM@859 Á	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á
Ô¦^} æåæ&c^ ~•`	[&^ æc*•Á**à•]ÈÁФ;}ãÁ	Ô æ, ^••ÁÕ^&\ [Á	Á	Á	ÝÁ	Á	Á	Á	Á	Á
Ô¦^} æåæ&c^ ~•`	[&^ æcઁ•Árˇà•]ÈÁ[•dæþã-Á	Ô æ, ^••ÁÕ^&\ [Á	Á	Á	ÝÁ	Á	Á	Á	Á	Á
Ö ∄ [åæ&ĉ ઁ•Á	Ô[}•]æðajjæč•AÑjæ¢çã•Á	Øædicænin åÁÕ^&∖[Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
Ö ∄ [åæ&ĉ ઁ•Á]	Ú¦^cĉ ÁÕ^&\ [Á	Á	Á	ÝÁ	Á	Á	Á	Á	Á
Ö ∄ [åæ&ĉ ઁ•Á	•æçæ*^ãÁ	Úđja æ jæ jó ^ æ j je je je je je je je je je je je je j	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
Š~&æ•ã{Æ	• <i>c</i> ^}[åæ&ĉ ~{Á	Ó[¢Ë;æcc^\}^åÁÕ\[*}åÁÕ^&\[Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
Š~&æ•ã{Á	, [{ à^^ãÁ	Úđịàæ læ ÁÕ¦[ˇ} å ÁÕ^&\[Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
U^厦æÁ	-ā[à¦āndoigˈæb{[¦ænnadoi	Tælà ^åÁx^ ç^αÁÕ^&\[Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
Ü@}&@^厦æÁ	[Y^•♂¦}ÁÓ^æ\^åÁÕ^&\[Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
Ùd[] @¦~•Á	^ å^ <i>ã</i> Á	R^, ^ ^åÁÕ^&\ [Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
Ùd[] @¦~•Á	b∕æ)æ^Á	Ú@æ-{ããÁÕ^&\[Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
Ùd[] @¦~•Á	, ^ ãj *q'}æ•Á	Ó^cc ̂ œ ÃÕ^& [Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
9 ⊚ 5 D=8 5 9 Á	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á
OB&+)c@]@•	¸ ^ • <i>ā</i> Á	Úą̇̃àæ¦ǽ́Ö^æœ@́Œåå^¦Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
Ó¦æ&@~¦[] @¥Á	æ}]¦[¢ã(æ)•Á	Ù@;ç^ Ë;[•^åÁÛ}æ\^Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
Ö^{ æ}•ãæÁ]•æ{{[]@•Á&`]¦&`\]•Á	Ÿ^ [¸Ëæ&^åÁv@3jÁû}æ\^Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
Ö^{ æ}•ãæÁ]•æ{{[]@•A^`à•]EÁ ;^œ&` ææA	Ÿ^ [, Ëæ&\^åÁv @3jAÛ}æ\^Á	Á	Á	ÝÁ	Á	Á	Á	Á	Á
Ö^{ æ}•ãæÁÍ	/~^•&^}•Á	ܡ-{ ˇ•ÁY @3]•}æ\^Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
ذlãjæÁ	[/} æe* • Æ	U¦æ)*^Ë;æ]]^åÁÛ}æ\^Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
Úælæ•`œ#Á	{[}æ&@•Á	T[}\ÂÛ}æà^Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
Ú•^`å^& @ ∙Á	æĭ∙dæjaÃ	Tˇ *æÁÛ}æ\^Á	Á	Á	ÝÁ	Á	Á	ÝÁ	ÝÁ	Á

Õ^}ˇ∙Á	Ù] ^&ã\•Á	Ô[{{[}Ápæ{^Á	Ô[}•^¦çæaa[i] •æae: •Á	} Á	Öææææ^Á^	æ&@•Á			<u>, Š</u>	Ü Ç Ş Ş Ş Ş
			KÓÓKABOÁ	ÒÚÓÓÁRBA	Þæ '^TæjÁ	ὄ[ὀὸΑύΤ ὑν/	ÖÓÔŒÁ œ?>æ?}^åÁ -æ`}æÁ	ÓPÚÁ] !^çã * • Á -æĕ } æÁ !^&[!å• Á	Ù^] &{ à^!ÆŒJÁ •* 'ç^^A	[& Asaf ^ æ Á &{ à^ ÁGEFJË ;@AGEGETÁ
Ú•^`å[}æ tæ Á	{[å^•æÁ	Üậ,*^åÁÓ¦[¸}ÁÙ}æ\^Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
Ú•^`å[}æ tæ Á	{ ^} *å^} ãÁ	Y^•o^¦}Áà¦[¸}ÁÛ}æh^ÊÃÕ¸æhåæhÁ		Á	ÝÁ	Á	Á	ÝÁ	Á	Á
Ú•^`å[}æ tæ A	} ~&@ #a A	Þ[ˈko@k] ÁÓk[¸] ÁÛ}æk^ÉÁŐ¸ækåækÁ	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
Ù cæÁ	~æ•& ãææ Á	Ü[•^} ⓒ ÂÛ} æ\^Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
Ù cæÁ]	Šãrd^ÁÛ][cc^åÁÛ}æ\^Á	Á	Á	ÝÁ	Á	Á	Á	Á	Á
X^¦{ &}^ æÁ	•} ^ ãÁ	Úą̃iàælæÁÓæ) å ÁÓæ) å Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
; 9??CB=859Á	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á
Õ^@¦æ	{[}æ̃{Á	Ô^}dæq ãa) ÁÖc^ æÁ	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
Õ^@¦æÁ]	Ù] [œ^åÁÜ[& ÁÖ¢^ æÁ	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
Õ^@¦æÁ] qaaaaaA	Úą̃àælǽÖ¢^ æÁ	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
Õ^@¦æÁ]	Ú*¦] ^ÁŒãÁÖ&^ æÁ	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
Õ^@¦æÁ	çælan* * * * * * * * * * * * * * * * * * *	V¦^^ÁÖ¢^ æÁ	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
P^c^![}[@#A	àð[^ãÁ	Ó^}[^©ÃÕ^&\[Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
P^c^![}[@#A	•] ^/^ <i>æ</i> Á	Ö^∙^¦œ(î^AÕ^&\[Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
W}å^¦¸[[åã•æč¦ˇ•ÆÄ	•^[Úą̃iàækæÁÓæk\ą̃j*ÁÕ^&\[Á	Á	ÚGÁ	ÝÁ	Á	ÝÁ	ÝÁ	Á	Á
DM; CDC8=859Á	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á
Ö^ { æÁ	àˇ d^¦āÅ	Ó ' d^ q ÁÖ^ { æÁ	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
Ö^ { æÁ	^ ^*æ}•Á	Ò ^*æ) ơÁÖ^ { æÁ	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
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Ö^ { æÁ	cēj &cæÁ	Ó æ&\Ë;^&\^åÁÖ^ {æÁ	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
Šã opā Á	àˇ¦ɗ̞}ãÁ	Ó '{{}} q Æ^* ^••Æã æ¦åÁ	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
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Õ^}	Ù] ^& ? •Á	Ô[{{[}Ápæ{^Á	Ô[}•^¦çæaa[•œaeč•Á	}Á	Öææææ^Á/	\æ&@•Á			• <u>`'ç'</u> • [v <u>Û</u>	Ý∰.
			KÓÔKBOÁ	ÒÚÓÔÁŒÁ	Þæč¦^TæjÁ	ὄι ὀὸλύτ ὑν/	ÖÓÔŒA œ%æe^}^åÁ æi}æÁ	ÓPÚÁ] !^çā ~ Á æ } æ Á !^&! å• Á	ν]	o^kaa{^ ae}Á ∧{à^ kQeFJË ©kGGEDÁ
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Ôæl ãæÁ	dãnesa)c@aÁ	Ö^•^¦αÁÜæánjà[¸ÁÛ\ãn,\Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
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Ô¢^}[č •Á	å ĭ l æ l(æA	ÚđàædæÁÚdãj^åÁÔc^}[cੱ•Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
Ô¢^} [č •Á	*¦æ) åã Á `à•] È (æ) åã Á	Õ¦æ}åÁÔ¢^}[č•Á	Á	Á	ÝÁ	Á	Á	Á	Á	Á
Ô¢^}[č •Á	*¦æ), åã Áããæ) Á	Õãæ) ơỚÔ^∙^¦ơỚÔơ^}[ở ∙Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
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Ô¢^}[č•Á] æ} c@¦ãj ˇ•Áiˇà•] Æ [&^ jã^¦Á	Š^[] æ¦åÁÛ\ ð}\Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
Ô¢^}[č•Á]æ)c@¦ą̃ ˇ•Á́ ˇà•]ÈÁ]æ)c@¦ą̃ ˇ•Á	Š^[] æåÂÛ\ ð} \ Á	Á	Á	ÝÁ	Á	Á	Á	Á	Á
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Ô¢^}[č •Á	¦ˇàæ̃`}åˇ∙Á	Ü`åå^ÁÔ¢^}[č•Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
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Ô¢^}[č•ÁÁ	•^/ç^} ĉ ã⁄A	Þ[ˈlɑ@E;^∙o^l}ÁÛæ)åîË[æ(Á Ôo^}[c`•Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
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Õ^}ˇ•Á	Ù] ^& ã \•Á	Ô[{{[}Ápæ{^Á	Ô[}•^¦çæeā[•œaeč•Á	} Á	Öææææ^Á/	`æ&@∙Á	<u>, ', ', '</u> , ', ', ', ', ', ', ', ', ', ', ', ', ',	□^{ [o ゆ^] か] め Á		
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Ô^& [å[{ [¦] @•Á	{ ^ æ}[]•Árˇà•]ÈÁ ^ [}*æcઁ•Á	Ù ^} å^¦ÁÓ ˇ^ĒŒ[}*ˇ^Á	Á	Á	ÝÁ	Á	Á	Á	Á	Á
Ô^& [å[{[¦]@•Á	{^ æ}[]•Ái`à•]ÈÁ {^ æ}[]•Á	Ù ^} å^¦ÁÓ ˇ^Ё́ŧ̄ } * ˇ^Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
Ò*^{} ãæ Á	&^*}ã[•Á	Y^•o^¦}ÁÚājàædæÁÚ]āj^ËæanjÁ	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
Ò*^{} ãæ Á	å^] ¦^••æÁ	Ù[ˇo@\}ÁÚ^*{^ÁÙ]āj^ËcæājÁ	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
Ò*^{} <i>ãæ</i> Á	-{¦{ [•æÁ	Õ[å-ã^\ å•ÁÔ¦^çã&^ÁÛ∖ã;∖Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	ÝÁ
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Š^¦ãœÁ	}^æ) å^¦Á	Ü[àˇ•ơÁÚđjàædæÁÚ∥ãã∧¦Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
Š^¦ãræÁ	cēļānaA	Ö¸æl-ÁV@^^Ët[^åÁÛ ãå^¦Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
Š^¦ã∙œ#Á	ç^¦@ ^}•Á	Ú[¸^¦~` Á/@^^Ë[^åÁÛ ãá^¦Á	Á	Á	ÝÁ	Á	Á	Á	Á	Á
Š^¦ã∙æÁ	: ã^c ãÁ	ÚājàæjæÁÓ ˇ^Ēæāj^åÁÛ ãå^¦Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
T^}^@ ad Á	*/^^ <i>a</i> aA	Ô[{{[}ÁÖ¸æ;AÛ\ā}\Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
T^}^@ @d Ä	• ˇ¦åæÁ•ˇà•]ÈÁ*ˇ¦åæÁ	Y^•ơ\}ÁÖ¸æŀÁÛ\ąj\Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
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Vajaã ĕæÁ	{ <i>`` cãæ∙&ãœæ</i> Á	Ô^}dæ ÁÓ `^Ëq[}*`^Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
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Œ, #a. •Á	æ{{[å^৫^•Æ	Ùæ)åËåãçā,*Áà ā,åÁ}æ\^Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
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Œ賴•Á	*¦^] `• Á	Þ[¦c@l}ÁÓ^æ\^åÁÓ ā¸åÁÛ}æ\^Á	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
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Xælæ) ˇ∙Á	*ðfæ}c^ヾ∙Á	Ú^¦^} æðÁ	Á	Á	ÝÁ	Á	Á	ÝÁ	Á	Á
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Õ^}ˇ∙Á	Ù]^&ã\•Á	Ô[{{[}}ÁÞæ{^Á	Ô[}•^¦çæaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa	} Á	Öææææ\æ\Á\/	\æ&@•Á			• <u>, '</u> ô'	Ü^{ Ç_Y } \$#\$ À
			KÓÓKOBOÁ	ÒÚÓÔÁŒÁ	Þæ ¦^TæjÁ	ὄΙ ὀὸΑΏΤ ὑν <i>ί</i>	ÖÓÔŒA œ?æ?}^åÁ æ} æÁ	ÓPÚÁ] !^çą ~ • Á -æĕ } æÁ !^&[!å• Á	Ù^] @{ à^!ÆEFJÁ •`'!ç^^Á	[& Asaf ^ æ Á ø{ à^! ÁGEFJË ;@GEGETÅ
75A9@859Á	Á	Á	Á	Á	Á	Á	Á	Á	Á	Á
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ÚI Á	Ú¦ā¦āĉ Á KÜæḥ^Ēh^æh\@^æc}^åáp}åÁ; c@¦Á;]^8æ}•Ág Á,^^åÁ; Á; [}āt ¦ā * ĒÁ\ ÇæDÁÜæḥĒÁU]^8æ}•Ác@æÁæḥÁk[}•ãh^!^åÁt Á@æţ^Ás^^}Ásæ^` æe^ `Á`¦ç^^^åĒÁ; Á; Á; @&@h`~æ&} cÁ}[¸ ^å*^ÆiÆææjææj ^ĒÁæjåÁs@æÁæ}^Á &[}•ãh^!^•A; [ókč; ^} d¸Ác@^æc}}*AÉ; Áj Á; Áj Á; Áh; ÁsæþÁ; c^8cā; }ĒÁi`ók[` åÁs^Æj; ^6-^} ókæā&`{ • cæj &^•Ák@æj * ^ĒÁ @••^Ái]^8æ}•Áæ}^Á *•`æ ^Á^] ^^•^} c^åÁ; Ák[}•^!çæā; }Áæjå•ĒÁ ÇaDÁp^æbÁ@^ææ^} ^åĚÁÚ]^8æ}•ÁœæÁæbÁ-Ák[}•āñ^!^åÁt[Áœæţ^Ás^^} Áæå^` `ææ* ^Á*' ç^^^åÁæjåÁs@æÁæbA/Ák[•^Át[Á*æjâ]*Át[lÁX* }^ êÁ* ÇaDÁp^æbÁ@^ææ^} okææÁææÁD[}•^!çææā; }ÁÖ^]^}å^} dĚÁ Ç&DÁU]^8æ*•Ác@æÁææÁææÁææÁæç^Ás^^} Ár{[ç^åÁt[{Ác@^æc^Aæ^}^åÁt]^8æ*•Áš` ā;*Ác@Á;æ•cÁæç^Á^æ¢Aá*•Á[!Á^æ•[}•Æi©+Ác@æjÁææt[}[{ ^ÈÁ

: Ui bU``]_Y`]\ccX`cZcVWVfffYbWY`UggYgga Ybh`cZWbbgYfj Uh]cb`g][b]ZJWUbh`gdYVJYg`]XYbh]ZJYX`]b`h\Y`XYg_hcd`UggYgga Ybh`Ug` dchYbh]U``mcVWVff]b['k]h\]b`h\Y`gi fj Ym'UfYU''

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	ÒÚÓÔÁ OBGÁ	ÓÔÁ Œ&A	ÚT ÙVÁ	ÞΤÁ	ÖÓÔŒÁ c@^æ° }^åÁ ~æ`}æÁ			
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O. (^ () & Á dææ` • Á • `à•] E. @M. & Ü` - [`• ÁÕ æ••, ^} Á		ÚI Á	ÝÁ	Á	Á	V@ÁÜ`-[`•Áզ數¦^}Á¸&&`¦•Á¸A¸A¸]ā¸ã^¢É¸¸ã©Á¸æ)^^Éæ&æ&ãæ ÉÁ æ)åÁ¸c@¦Áa¸ æ)åÁæ)åÁ&]æ•cæþÁ;@`à•ÉA'@Á]^&ã•Á^^\•Áa¸A¸ åÁ & `{]•Á¸-Á¸]ā¸ã^¢Á¸[¦Áa; ^^åā¸*ÁÇÚã:^^ÁBÁS}ā*@ÁGEFCIDÉÁ	@_YmÉ&@ÁPā &\^•dÁPā • []^Á @æàāaæó&[{] ā^^•Á\/ā åāæÁ , @æ@á,æÁs^Áæ*^Á}[`* @Á;Á }^•ó\$ Áæ¢@`* @Á@Á •`; [`}åā]*Áæ¢^æ Á@æç^Áæ*^¦Á]ææ&@•Á;-Á]ājā^¢Á; @æ@á; æêÁ à^Áæç[`¦^åÆ;Áæ;Á;]^&æ*•ÉÁ V@Á&[•^•óA}[;}Á^&[;åÁ;æÁ -[*c@æ•ó4;-Áœ/Á*;ç^^Áæb^æ£Á	
Ò æ) ~• Á:&: ∄ č • Á Š^œ^¦Á/ ∄ * ^åÁSãc^Á	Á	ÚI Á	Á	ÝÁ	Á	\\\ \@\a\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	I bì]_Y mhá ĭaæa ^Á@æàāaæa (æÁ à^Á;!^•^} oÁ āa@a Áa@ Á`;!ç^^Á æb^æba à Áa`;![``} å•Á@, ^ç^!Áāa Áa	
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Ù]^&&•Ájæ{^Á	Ùæeč •Á	Á	Ù[PæàãææÁ^``ã^{ ^}œÁÁ	Šã^ ã@[å/qi.4fi&&`;;^}&^Ájā@giÁs@Á •`;ç^^Áad^æÁ	
	ÒÚÓÔÁ Ozacá	ÓÔÁ OB&A	ÚT ÙVÁ	ÞTÁ	ÖÓÔŒÁ ;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;			
							æ}]¦[¢ã[ææ^ ^ÁrIÁ{Á,[¦c@Á,-Á c@^Á*¦ç^^Áed-^æEÁ	
Øæ\$&[Áj^¦^*¦ðj*•Á Ú^¦^*¦ðj^ÁØæ\$&[}Á	Á	UÙÁ	Á	ÝÁ	ÝÁ	V @ ÁÚ^ ^ * ā ^ ÁØædeS[] Áā Á] & [{ [] Áà * oÁ ; ãa ^ Éæde * ā * Áæde [• • Á CE • dæjāæde æ aãææða Á ¢d ^ { ^ ^ Áå ãa ^ • ^ ÉÅ [{ Áæde 4 ^ • oÁ f Áæde á Á • & * à ÉÅ [{ Áæde 4 A & * a &	@_YmÉ^ ãæà ^Á@àãæðé\Á] \^•^} cÁ[Á@Á] ^&&•Á, ão@} Á c@Á` ç^^Ásd^æÁa} åÁ`!![`}å•Á CTæb[ÁÖ æð]æ*^ÁŠð]^ÉA Ö[*^EĎ` ^DÁsd} åÁc@Á]^&&•Á ãÁ}[¸}Á![{ Ác@Á^*ā[}EA Ô [•^•cÁ^&[åÆá æð]![¢ā]ææ^ ^Á.æ£Á;Á>æ•oÁ;-Á c@Á*!ç^^Ásd^æ£Á	
Tæ ` `•Á ^`&[]&!`•Á`à•]ÈÁ ^`&[]&!`•Á Öā\ÁPædq*Áajæ&\Á æ)åÁ, @ac^Áænaî^Ë , !^}Á	ΧˇÁ	Χ°Á	Á	ÝÁ	Á	V@ÁY @æ¢ç ā, *^åÁQæāî^ Ë, !^}ÁÇÖā\ÁPædq *Á@ æ;åDæáA&[} -ā,^åÁq ÁÖā\ÁPædq *Á@ æ;åDæáA&[} -ā,^åÁq ÁÖā\ÁPædq *Á@ æ;åEà -Á@Á&[æœÁs[æc4]}ÁD^![}ÁD^} ā, •` æ£\$\$ÁY ^•¢\!}ÁŒ •dæáæÁgÙ&@ åå^ÁBÁTæe[}ÁFJJJDĚAŒÁ Á;[••ãà ^ÁœæÁsãå•Á;æÁ [&&æ ā] ædj Åásã]^!•^Áq ÁœÁsábæ&}oÁ;æáj ædj åKásjææß,Ü] [{æ*åÁ àãå•ÊÅ;^•`{æà ^Á;âāaæã;*Á;[{ÁÖā\ÁPædq *Á@ æ;åÊææç^Á [&&æ ā]}ædj Åá^^}Ás^^}Á][!c^åÁ;}Áæ ÁU]![}ÁU^}ā,•` æÁgÜāš\Áj]Aæß,Äf-Æd[!]Aá\Á\$] ædj æðj æðj æðj æðj æðj æðj æðj æðj æðj æð	b`]_Ymž• ĭazaà ^ÁæàāazæÁ æÁ à^Áæçæáæà ^Át[Á*]][!oÁæá Á •]^&&*•Á@,^ç^!Áæ@Á`!ç^^Á æ!^æáá,[o¸4ãæ@Áæðá &[}-ā{ ^åÁæ}*^Áæ)*^Áæ)åÁæð^Á •]^&&*•Å[••āà ^Á¸ããã;*¸Á[*]åÁ à^Á¸æť!æ;o¼;]°EV@!^Áæ*^ÁÁ !^&[¦å•Á;-Áæ@Á]^&&*•Á [&&*!!ä*¸Á¸ãæ¾Áæ,Aáæææàæ•^Á •^æ&&@Áæ**æ£Áæ;Á;Á;[!o@æ•oÁ [-Áæ@Á*!ç^^Áæb*æ£Á	
Ú^:[][¦*•Á [&&&a^};æ#āÁ Þã @ÁÚæ¦[oÁ	Ò} Á	Ô¦Á	ÝÁ	Á	Á	\@Ápā @ÁJæl[ơ鳎 @æàār ÁstãáÁs) åÁ^{ aĒztāáÁst^æÁ@æÁst^Á &@etæ&c^lā^åÁs^Á@æ¸ð *Ás^}•^ЁŊ Ĺ\$;^*^œæð æÁst} ĚÓæ•^åÆ;}Á æ&&^] c^åÁ^&[¦å•Ēs@Á@æàāææÁ,Ás@Ápā @ÁJæl[ơ絃]}•ā·ơÁ,Á \!ðiåãæÁt!æ• æ)啯jÁd}^ÁjÁaðå°Ás}çā[}{ ^}œÆsðåÁ,Á •æ[]@\$^ÁsðååÆs@}[][åÁ@`à]æðå•Êšðy&Yåðj*Á*}^læÁ* •æ[]@\$^ÁsðååÆs@}[][åÁ@`à]æðå•Êšðy&Yåðj*Á*\}^læÁ* CĒdðj ¢ĒÓæ••ãæÁsðjåÁTæða^æðæÁsðj}Á∏[å] æðj•ÁsðjåÁs@æð]æðj•ÊsóðjåÁ [}Ás@Á;æt*ðj•Á;Áædæð*•Ēšk^^\•Á;ÍÁ;c@¦Á[ïl&^•Á;Á;æc*lÁ ÇJæk\^lÆJÌ €ŒðÓææÁsd*•[Ás^^}Á;à•^lç^åÁqíÁs}•^Á	b] _ Y m [

Ù]^&&•Ájæ{^Á	Ùæeč •Á	Á	Ù[PæàãaæÁ^~~ã^{^}o∙Á	Šã^ ã@ [å/nj.4nj.888*; ^}8^Aj.ão@g.As@.A •*;ç^^Asd^æA
	ÒÚÓÔÁ O&Á	ÓÔÁ OB&Á	ÚT ÙVÁ	ÞTÁ	ÖÓÔŒÁ œ^æ^ }^åÁ -æ`}æÁ		
						T ` ^ @ ^ } à ^ & \ a ft [, c @ Á ; @ \ A ft [
Þặ [¢ÂÔ[}} ãç^}•Á &[}} ãç^}•Á Óæ\à *ÁJ jÁ Ģ[`c@,^•cÁ •`à][]ÈÁ	Á	ÚHÁ	Á	ÝÁ	ÝÁ	V@ÁÓæ\ā,*ÁU¸ Æ;ÁS[{{[}Æ;Á;[¦c@;}Áæ;åÁ,[¦c@;^^eo';}Á CE•dæ;Ææ;åÁ,[¸Á;&[{{[}Æ;Á;[`c@;^•o';}Æ;åÅ;æ;o';}Á CE•dæ;Ææ;Äv@;Á]^&&•Á;[^~\•Á;]^}Æ[`}d^Á;ã@Áæ;å•Á;Ád^^•ÉA d^^Ёjā,^åÁ;æe^¦&[`¦•^•ÉÁ;æ]^¦àæ;\Á;æ(]•ÁÇT[¦&[{à^ÁG€€]DEÁ	<][\`mi b`]_Y`m25@^Á`¦ç^^Á æb^æ5a Á; o ãa^Ás@Á}[¸}Á !æ)*^Á; Ás@áÁ]^&ão ÉĂU}^Á ÖÓÔŒÁ^&[¦åÁã•Á,ão@áÁ; ÉÁ { Á [-Ás@Á`¦ç^^Áæb^æb4Q¸^ç^¦Á coãa ÁarÁã^ ^Áæb4,ãoãa}^; cãa8æaā]}ÉÁ
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OJ `•Ájæ&ã&`•Á O[¦∖Ëæa¶^åÂÛ¸ãcÁ	ΤæΆ	ΤãÁ	ÝÁ	ÝÁ	ÝÁ	C PÉC書 @ 介 [{ a	b`]_YmÉæ; Áæ; [•oÁv¢&; •ãç^ ^Á æ; lãæ;Á]^&ãv•Ás@æ; æé Á []][; č}ãrcææ; Árcæ;
Pā~}å[Á~•œ&æÁ Óæ}ÂÙ¸æ∦[¸Á	ΤấΑ	ΤãÁ	ÝÁ	Á	Á	QÁOE • d capārdā́s@ ÁÓcał AŪ, cap [, ÁārÁ^8[¦å^å/ás]¼]^}Ás[ˇ] d^Ás]Á &[æe cæþ/[] [æð] å• ÉĀ; -e^} Å,^æð-Å, ææ^!ÉÆ[;] • Áæð, å/&ãæð• ĒÓðaå• Áæð-Á [-e^} Árā @c^å/Á,^!&@^å/Á; ¼, ç^!@ æåÅ, ã/• ÉÆæð, å/æð-[Ás]Á; ¼, ç^!Á ¬¹^• @ ææ^!Á, ^dæð, å• ÉĎ, æð] ^!àæð! ÁT ^ æð/ˇ &æÁ, [[å æð, åÉÁ; ^•[]@ Á • @ˇ àÁs@æX,^œ Ææð, å/æˇ • • [&XÁ*!æ• • æð, åÉÁ	b`]_Ynž kaj Ásak [•oÁv¢&]`•ãç^ ^Á 溦ãækÁ]^&&?•Ás@æcÁ æ?Á []][¦č`}ãrœã&æk ^Áœãa^Ás@\Á æb^æakå`¦āj*Ásd[¦{Áş!Ásc`& [}^Á ^ç^}œ*ÉÁ
T [æ&á]æ&á] ^¦^æÁ Õ¦^^Ár æ* æá‡Á	Τά	ΤǽA	ÝÁ	Á	Á	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	b`]_Y`mÉA [{ ^Á@æàãææóæ Á æææáæà ^Áæd }*Á; æb ¦Ås¦ææ}æ*^Á ā, ^Á@æàãææós` ¦ā, *Áæ, ^•Á; -Á i, ^•ãa`æÁ, [[]•Á, -Á; cæ) åā, *Á aæ^¦Áæ}åÆaA; æêÁ []] [¦ċ`}ãræ&æ)^Ásò oÆs¦^*` æe ^Á [&&`¦ÉQ, ^ç^¦Ás@áÁ]^&æ*•ÆaÁ }[{ æåå&Áæ}åÁ^•[`¦&^Á å^]^}åæ) oÉÁ

Ù]^&&•Ájæ{^Á	Ùæeč •Á	Á	Ù[ˇ¦&^Á			PæàãææÁ^~~ã^{ ^}œÁÁ	Šã^ ã@ [å/nj-4nj&&*; ^}&^Ájān@3j/nb@/Á •` ç^^/abd^æA	
	ÒÚÓÔÁ OB&Á	ÓÔÁ Œ¢Á	ÚT ÙVÁ	ÞTÁ	ÖÓÔŒÁ c@^æc^ }^åÁ ~æ`}æÁ			
						æ) åÁæd[ˇ} åÁ, ææ^l-æd •Éàs[co@ás,Á[l^•oÁæ), åÁ[]^}Æ&[ˇ}d^LÁsočAs&čl•Á æd{[•oÁæ)^,@el^Ásčlā]*Á, åtlææā[}ÁQR[@)•d[}^ÆSÁÛd[!!ÁG€€E]DEÁ		
Ôæþáðilæ Á^;; * * * * * * æÁ Ô` ; ^ , AÛæ} a] ā] ^ ; Á	Ô¦ ĐÁ T đÁ	ÔłÁ	ÝÁ	Á	Á	① * * ,		
Úæ) å₫} Ælæïæeč • Á Òæ• e^\} ÁJ•] ¦^^ Á	ΤŒ	T Ó	Á	Á	ÝÁ	Öæe o!} ÁJ•]!^^• Á, &&: I ÁB, Áāū[læhÁB) å ÁB[æe ædhÁBBà ãææ ÁB) å Á o!!^• dãæþá, ^dæ) å• Á, Áā[] ãææhÁB) å Áb; [> læe ÁŒ• dæðææh) å Á [• @!^ÁB æ) å• ÈV @^ ÁBc ^Á; [• d^ ÁI] ³ ÁB, ÁB[æe ædhÁBc ^æ ÁB o Á [&&æð ð] æl] Áb æç / ÁB æ) å ÁBd] * Á, æð ! ÁĀç / • ÊŊ æb æB æ] ÁB Á } [lœ] ÁCE • dæðæð Ø ÁA * ³ ð ÁP ¢ Ø) • ãp ÁBc æB ÁB AB * ÅB • ÁF JJ HÐÁ à læð ã @Á! Á æð ^Á, ææ ! ÁI ÁI æð ð * ÁQ æð æðæ Ø Ø ÁB ÆP ð * ÅF JJ HÐÁ V@^ Á! * * ^ > ôÐææ æð ĈÁ; Á, Á, ^ dæð å Áæðæð æð æð Ø ÉÑ • c æð * ÊÑ æð * I [ç ^ Á • æ? ! • ÊÐ * * ÆÐ æð • ÊÐ æð æð æð æð æð æð æð æð æð * Áæð * Aæð * ÆÐ åÐ æð * ÆÐ åÐ • æ]] • ÊÐ æð Áãç * ÞÁ * Aæð * Aæð * ÆÐ åÐ åÁ æð * Áæð *	I b`]_Y mÉ&@ Á]^&&•Á; æ Á ∄ -\^``^} d^Áçã ãuÁ@ Áæc^æÁ; @}Á ãuÁ&[}ææð•Á; æc^!Á@, ^ç^!Ác@ Á @æàãææðæ Á; oÁ; lā; æb^Át; Á •`]][cóc@áÁ]^&&•ĚU}^Á ^&[:åÆaÁææááæ]^Á; ãu@jÁæÁ €Á \{Áà`~~!Á; ÁœA*`¦ç^^Áæb^æ£Ä \V@áÁ; æêÁ@æç^Áà^^}ÁæÁ {ããå^}cãã&ææái}}ÈÁ	

Ù]^&&•Ájæ{^Á	Ùæeč •Á					PæàãææÁ^~~ã^{^}œÁÁ	Šã^ ã@[å/n,-/n,&&*; ^}&^/,ão@n,Ac@^Á •`¦ç^^Áeb^æÁ
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Species name	Statu s		Source			Habitat requirements	Likelihood of occurrence within the survey area	
	EPBC Act	BC Act	PMST	NM	DBCA threate ned fauna			
						vegetation types; open tussock grassland on uplands and hills, mulga woodland/shrubland growing on ridges and rises, and hummock grassland in plains and alluvial areas. Laterite and rock feature substrates are an important part of Greater Bilby habitat. These habitat support shrub species, such as <i>Acacia kempeana</i> , A. <i>hilliana</i> and A. <i>rhodophylla</i> , which have root-dwelling larvae that provide a constant food source for the Greater Bilby. After dark they leave their burrows to feed and populations are known to move long distances when current habitat ranges become unsuitable. Bilbies are largely solitary, widely dispersed and found in low numbers. The current occurrence of the Greater Bilby is strongly associated with higher rainfall and temperatures, which promote areas of higher plant and food production. The Greater Bilby may also prefer these conditions as higher rainfall and temperatures are not well tolerated by foxes (Pavey 2006; Southgate et al. 2007).	considered unsuitable or sub- optimal at best. The closest record of this species is approximately 28 km northeast of the survey area.	
Macroderma gigas Ghost Bat	Vu	Vu	X	X	X	The Ghost Bat occurs in a wide range of habitats, and requires an undisturbed cave, deep fissure or disused mine shaft in which to roost. It is patchily distributed across Australia, and is sensitive to disturbance (Van Dyck & Strahan 2008).	Known, the species was recorded via feeding evidence within one cave in the survey area but no evidence of long-term roost caves was found. Roost caves may be located within close proximity of the survey area. The closest recording of the species is approximately 1.5 km south of the survey area, within Study Area 2 (Gorge/ Gully habitat). Roosting caves may be located within close proximity of the survey area based on available habitat (particularly Gorge/Gully and	

Species name	Statu s		Source			Habitat requirements	Likelihood of occurrence within the survey area
	EPBC Act	BC Act	PMST	NM	DBCA threate ned fauna		
							Breakaway/Cliff habitat located outside of the survey area). Gorge/Gully, Minor and Major Drainage Lines and Hillcrest/Hillslope are likely to support Ghost Bat foraging within the survey area.
Rhinonicteris aurantia Pilbara leaf-nosed Bat	Vu	Vu	X	X	X	The Pilbara Leaf-nosed Bat roosts in deep caves or mines in the wet season and forages nearby. This species occurs in the Pilbara region where its populations are scattered and localised. There are a few known populations of this species in the western Pilbara, roosting in caves formed in gorges that dissect massive siliceous sedimentary geology. It is most often observed in flight over waterholes in gorges (Van Dyck & Strahan 2008). Optimal roosts are thought to occur in caves that form between ascending rock layers, where humidity is maintained from seeping groundwater (Van Dyck & Strahan 2008). Roosts are commonly located over pools of water, or areas deep within the mine or cave structure which provides elevated temperature and humidity. Foraging habitat includes: Triodia hummock grasslands covering low rolling hills and shallow gullies, with <i>Eucalyptus camaldulensis</i> along the creeks; over small watercourses throughout granite boulder terrain; over pools and low shrubs in ironstone gorges; and in and around watercourses with <i>Melaleuca leucodendron</i> .	Unlikely, some foraging habitat is present for the species (Gorge/Gully, Major and Minor Drainage Lines, and Hillcrest/ Hillslope). No calls were identified during the survey. The nearest confirmed records are approximately 8 km west of the survey area. The survey did not detect any suitable roost caves for this species during the survey therefore the survey area is unlikely to support PLNB roosting and is considered opportunistic foraging habitat only.
Pseudomys chapmani Western Pebble- mound Mouse		P4		X	X	The Western Pebble-mound Mouse is restricted to the Pilbara region where it is recognised as an endemic species. Habitat for the Western Pebble-mound Mouse can be found on stony hillsides with hummocky grasslands and little or no soil. It constructs large mounds of pebbles on stony slopes which cover an area of 0.5-9.0 square metres. "Active" mounds are characterized by volcano-like cones capped by 'craters' that mark	Known , the species was recorded in the survey area via active, inactive and non-active mounds. Hillcrest/ Hillslope is suitable habitat.

Species name	Statu s		Source			Habitat requirements	Likelihood of occurrence within the survey area	
	EPBC Act	BC Act	PMST	NM	DBCA threate ned fauna			
						occluded entrances to subterranean burrow systems in which the mice live, often gregariously (Van Dyck & Strahan 2008).		
Zyzomys pedunculatus Central Rock-rat, Antina	Cr	Cr		X		The central rock-rat is restricted to the West MacDonnell Ranges of central Australia. The species has irruptive demography and is recorded in high densities following rainfall events. It occurs in a variety of rocky habitat (DotE 2019b).	Highly Unlikely, the survey area is not within the known range of this species. NatureMap shows one record within the database search area however this is considered to be misidentification.	
Reptiles								
Anilios ganei Pilbara Flat-headed Blind Snake		P1		X	X	Ramphotyphlops ganei is a moderately robust blind snake known from widely separated areas between Newman and Pannawonica. A very cryptic species. Most often recorded in rocky or stony areas, and considered to be possibly associated with moist gorges and gullies (Wilson & Swan 2017).	Likely, habitat is present for this species particularly in the rocky features within the Gorge/ Gully. Recorded within Yandicoogina Creek during the Level 2 Survey (GHD, 2020).	
Ctenotus uber johnstonei Spotted Ctenotus		P2		X		This subspecies of the Spotted Ctenotus is known from an area of chenopod shrubland at the base of a sandstone hill near Balgo in the northern interior of Western Australia. It is possible that the species also extends further west into the Pilbara region (Wilson & Swan 2010).	Unlikely , the species has not been recorded within a 40 km buffer of the survey area	
Liasis olivaceus barroni Pilbara Olive Python	Vu	Vu	X	X	X	The Olive Python (Pilbara subspecies) is a dull olive-brown to pale fawn or rich-brown python with a white underside and pale finely dotted lips. This species reaches an average size of 2.5 m but can grow up to 4 m long. The Olive Python's range is restricted to the Pilbara region, north Western Australia, and the Dampier Archipelago. Habitat consists of rocky escarpments, gorges and waterholes within the Pilbara region. The preferred microhabitats for this species are under rock piles, on top of rocks, and under spinifex as well as in man-made features such as overburden heaps, railway embankments and sewerage treatment ponds. The	Likely, Pilbara Olive Python scat was found within a nearby Gorge/ Gully (Study Area 2) at the time of the survey and the closest known DBCA record is located within 400 m north of the survey area. Suitable habitat is present throughout the Gorge/Gully habitat type.	

Species name	Statu s		Source			Habitat requirements	Likelihood of occurrence within the survey area
	EPBC Act			PMST NM DBCA threate ned fauna			
						species' breeding season occurs from June to August, with males moving long distances in search of breeding females (Wilson & Swan 2017).	
Underwoodisaurus seorsus Pilbara Barking Gecko		P2		X		This species is found in the Hamersley Range within the Pilbara from north of Tom Price and then southeast to near Newman. It occurs in rocky areas with spinifex and low tree cover (Wilson & Swan 2017).	Likely , the survey area contains suitable habitat to support this species. The closest known record is approximately 7.5 km south of the survey area.

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