

Balla Balla Stakeholder Consultation Register

(Start) Date	Stakeholder (& Attendees)	Agenda & Stakeholder Comment	Proponent Response &/or Action	Information Location
June 2012	Department of Environment and Conservation <ul style="list-style-type: none"> • Ian Le Provost (Le Provost Environmental) 	Ian first met with the DEC in June 2012. He briefed them on the area of interest and the general intentions in terms of trans-shipment, and was sent historical megavertabrate fauna (turtle) survey distribution data that the DEC had for the Pilbara coast (between Cossack and Port Hedland). They were advised then that additional survey work would be completed by Forge.	N/A.	
2 October 2012	Minister for Environment & Water <ul style="list-style-type: none"> • Bill Marmion (Minister) • Dr Matthew James -MD (Frg) • Kim Keogh – Govt Relations (Frg) 	The Minister had no problem with the concept of Trans-shipment.	Introductory high level consultation. No actions required.	
2 October 2012	Ngarluma Aboriginal Corporation <ul style="list-style-type: none"> • Paul Stinton (Ngarluma CEO) • Marcus Holmes (Principal - Land Equity Legal) • Dr Matthew James (Frg) • Aiden Kelly (Matrix Approvals) 	No objections.	<ul style="list-style-type: none"> - This constituted the first of the Ngarluma consultations. Subsequent meetings are scheduled for Feb, April, and May. Forge is expecting a final agreement by mid-June, 2013. - Ngarluma Determination Area has been mapped by CAD Resources (Forge’s data imagery consultant). 	
4 October 2012	Department of State Development (DSD) <ul style="list-style-type: none"> • Roger Dean - Director, Developments and Evaluation • Joe Ostojich - Deputy Director General, Development • Bill Preston – Senior Advisor • Dr Matthew James - MD (Frg) 	Informative project overview.	N/A.	

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	<ul style="list-style-type: none"> Kim Keogh – Govt Relations (Frg) 			
16 October 2012	Department of Transport (DoT) <ul style="list-style-type: none"> Peter Parolo – Executive Director, Ports & Marines John Morris – Director Maritime Policy, Ports & Maritime Kim Davis – Manager, Regional Facilities, Coastal Infrastructure Business Unit Dr Matthew James – MD (Frg) Ange Johnson – Approvals Manager (Frg) Kim Keogh – Govt Relations (Frg) 	<ul style="list-style-type: none"> Proposed Forge transhipping location falls within the DoT authority at the moment, however Govt has announced the Pilbara Ports Authority, so would fall under this Authority once formed (not expected before June 2014). In regards to footprint access, a miscellaneous licence (DMP) would be required from the mine to the mean tide mark, from this location it would fall under the Port Authority (whether that be DoT or the Pilbara Ports Authority) & this would require a Lease & a Jetty Licence. A ‘jetty’ would be declared a ‘port’ & as such fall under Port licencing (as per above). Balla Balla Harbour currently vested under Marine & Harbours Act. Cyclone considerations essential. Marine safety training would be required due to the location being amongst the Pilbara’s ‘cyclone alley’. 	<ul style="list-style-type: none"> Ground has been pegged for the miscellaneous licence required from the mine to mean tide mark. The application for tenure has been submitted. CAD Resources (Forge’s data imagery consultants) has procured the state tidal data from Landgate. This has been mapped, along with the DoT port vesting. The infrastructure has been located inside the existing port vesting. Forge is currently preparing the application for approval from the DoT. 	
22 October 2012	Department of Mines and Petroleum (DMP) <ul style="list-style-type: none"> DMP Chief of Staff Dr Matthew James – MD (Frg) Kim Keogh – Govt Relations (Frg) 	Informative project overview.	N/A.	
23 October 2012	Office of the Environmental Protection Agency (OEPA) <ul style="list-style-type: none"> Anthony Sutton (OEPA) Ian Munro (OEPA) Dr Matthew James – MD (Frg) Ange Johnson – Land Access 	<ul style="list-style-type: none"> Forge provided overview of proposed change to the Project & asked for advice from the OEPA. Forge to prepare a “Significant Factors / Legislative Requirement’ table for submission, the factors being: <ul style="list-style-type: none"> Marine habitat 	Forge has completed / planned extensive studies, both desktop and field surveys, including: <ul style="list-style-type: none"> Detailed bathymetry over the area of interest. Storm surge modelling. 	

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	<p>Manager (Frg)</p> <ul style="list-style-type: none"> • Kim Keogh – Govt Relations (Frg) 	<ul style="list-style-type: none"> ○ Marine fauna ○ Oil spill containment ○ Marine pests ○ Marine noise ○ Coastal processes ○ Turtles (lighting) ○ Dust ○ Terrestrial fauna ○ Surface water ○ Aboriginal heritage • Forge to maintain and present a “Stakeholder Consultation Table”. DEC and DoT are critical consults. 	<ul style="list-style-type: none"> • Terrestrial vertebrate fauna, incl Migratory Shorebirds & SRE Invertebrates. (Shorebird surveys are ongoing). • Mangrove locations and Impact Assessment (% habitat loss). • Sub-tidal BPPH (and Inter-tidal BPPH planned). • Aerial surveys - marine turtle activity incl dugongs (with light monitoring planned). • Noise and dust modelling (with underwater noise modelling planned). • Terrestrial flora planned for wet season. 	
<p>31 October 2012</p>	<p>Department of Fisheries</p> <ul style="list-style-type: none"> • Eve Bunbury (Principal Management Officer – Marine Planning) • Carli Telfer (Senior Management Officer – Aquatic Environment Branch) • Ian Le Provost 	<ul style="list-style-type: none"> • The Pearling Lease in the channel to the west of West Moore Island was cancelled in December 2011 and is inactive. • The Department is aware that the Specimen Shell Fishery and the Charter Boat industry have reported fishing activity in the area within the last 5 years, and future resource activity has the potential to impact the aquatic environment and fishing activities. • Marine pests are a concern. All vessels mobilised from outside Australian or WA waters, as well as those moving around WA waters, must undertake appropriate measures to minimise the risk of translocating aquatic pests and diseases (Fish 	<ul style="list-style-type: none"> • Recommendation for Forge to consult further with the peak industry bodies Western Australian Fishing Industry Council (WAFIC), Recfishwest, and the Dept of Indigenous Affairs (DIA). 	

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		Resources Mngmt Act 1994 / Fish Resources Mngmt Regulations 1995).		
7 November 2012	Department of Environment and Conservation (DEC) (Regulation Division) <ul style="list-style-type: none"> • Carissa Aitken • Lee Dorahy • Matthew James • Angela Johnson 	DEC concerns: <ul style="list-style-type: none"> • Dust: <ul style="list-style-type: none"> ○ Leachability ○ Design must meet industry standards/benchmarking ○ Conveyors i.e. covered vs fully enclosed (fit for purpose) ○ Baghouses (management of dust) ○ Transfer points (management of dust) ○ Jetty to Barge transfer ○ Spigot unload & adjustable drop height ○ Magnetic snorkel detection system • Stormwater Control • Anchorage Points 	<ul style="list-style-type: none"> • Dust and storm surge modelling is underway. • DEC requested to meet again prior to submission of the Works Approval for the Project. 	
8 November 2012	DEC (Environmental Management Branch) <ul style="list-style-type: none"> • Angela Johnson • Nic Woolfrey 	<ul style="list-style-type: none"> • Mr Woolfrey was briefed on the proposed change to the Project, provided a briefing note (Appendix 1) & a BPPH mapping figure. He discussed with Barb Green – Marine Advisor and confirmed that the DEC EMB did not require any further consultation for the Project at this stage, however would like to see the Pendoley reports (turtle studies) as available. 	<ul style="list-style-type: none"> • Pendoley Aerial Survey provided to DEC EMB, the light survey to follow as completed. 	
8 November 2012	DEC <ul style="list-style-type: none"> • Allisdair MacDonald (DEC Pilbara Regional Manager) • Ian Le Provost (Le Provost Environmental) 	<ul style="list-style-type: none"> • Allisdair was updated on the status of the Balla Balla barge loading facility and the progress with: <ul style="list-style-type: none"> ○ Setting the preferred location within DoT port boundary. ○ Preliminary habitat mapping complete. ○ Pendoley environmental engaged to complete turtle studies. 	N/A	

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8 November 2012	OEPA (Marine Ecosystems Branch) <ul style="list-style-type: none"> Ray Masini (Head of the Dept) Angela Johnson (Frg) 	<ul style="list-style-type: none"> Mr Masini was provided a briefing note (Appendix 1) to provide some background for the proposed change, as well as the BPPH mapping completed by Ian Le Provost. 	N/A	
7 November 2012	West Moore Island <ul style="list-style-type: none"> Kelvin Brown (Owner of West Moore and Director of Tennereef Pty Ltd) Matthew James Angela Johnson Ian Le Provost 	<ul style="list-style-type: none"> Aqua culture lease is current but dormant – pearling was unsuccessful due to fresh water following heavy rains and also due to algae growth in the area; Concern was expressed regarding the potential visual impact of a jetty and barge facility to the aesthetic value of West Moore Island to potential guests; Recognised the proposed location was a good/best location within the DoT port boundary; Would not be obstructive; Assisted in providing contact details of previous lodge manager and pearl seeder who would be able to provide advice and observations to Ian Le Provost. 	Further consultation planned, and agreement to be sought between West Moore and Forge early 2013.	
10 November 2012	West Moore Island <ul style="list-style-type: none"> Dave Jackson of Arafura Pearls Ian LeProvost 	<ul style="list-style-type: none"> Dave Jackson was formerly Manager of Norwest Pearls who established the pearl farm at West Moore Island and lived on the Island for 5 years as the farm manager and seeder (2005-2010). Has dived throughout the aquaculture lease area and confirmed that the seafloor is hard but friable pavement with sand/gravel veneer supporting a garden habitat of fans and sponges. No seagrass, nor corals in abundance. Confirmed that the pearling venture was abandoned largely because water temperatures in 	Further consultation with current WMI management and Point Sampson Charters.	

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		<p>winter were too cold and resulted in slow growth of pearls, thereby making uneconomic. Floods did not help either.</p> <ul style="list-style-type: none"> • No seagrasses seen in channel but sparse thin grasses (Halodule sp ?) had been observed in southern end of bay toward Ball Balla harbour. • No true coral reefs in area, but a couple of small areas on edge WMIs side of channel where a few corals occur on shallow pavement. • Dugong not abundant or frequently observed, seen two offshore WMIs lodge and a couple in southern end of bay toward Balla Balla creek. • Dolphins often seen on outside edge of limestone reef offshore WMIs. • Sawfish been observed on shallow flats and being hunted by local aborigines. • Whales often seen breaching but a long way offshore, occasionally seen closer to WMIs (about 1-2 km offshore) • One small crocodile been sighted, but rare. • Tiger, reef tip and hammerhead sharks common • No turtle nesting or hatchling juveniles observed on WMIs, but many juvenile turtles seen regularly in bay. Also sometimes observed in low tide ponds in tidal limestone platform • Very prolific birdlife in bay and on reefs (particularly terns and pelicans) • Spring tide currents can be strong (~ 5 knots), neap tide best time for diving and working the pearls • Bay is very protected from cyclonic waves. Have experienced category 5 and 3 cyclones directly over WMIs and survived. 		

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		<ul style="list-style-type: none"> • Recreational fishing by locals and grey nomads mainly targeting barramundi, mangrove jack, mud crabs and blue manna crabs. • Never seen the wreck that is marked on the navigation chart as occurring near WMIs. • Good contacts for further information include: Rick McGregor and Peter Chester of Point Samson Charters (0418 937 207 ; Mike Tosa – Whim Creek publican (0418 627 181); and Cpt David Heppingstone DOT Pilot for Depuch Island Anchorage. 		
12 November 2012	<p>West Moore Island</p> <ul style="list-style-type: none"> • Ian Le Provost • Blair Culbertson (Frg) • A and F Jackson (WMI managers since Feb 2012) 	<ul style="list-style-type: none"> • Dillan has dived and speared fish along shallow edges of channel, mainly on WMIs side and confirms that no coral reefs occur but occasional bommies do occur. Corals can sometimes be found in some of the low tide ponds in the tidal platform. • No turtle nesting or hatching seen on WMIs, but tracks seen on seaward beach of island to the SW of WMIs. Lots of small turtles inside bay however. • Dugongs rarely seen. Only observed two in the 18 months he has been on island. • Small whales regularly visit the channel and bay during the cooler winter months. They are very shy and usually occur in a pod of 5-6. They are creamy white-pink in colour with a small vestigial dorsal fin and swim very much like humpback whales. (Subsequently identified as Indo Pacific Humpback Dolphins after reference to internet) • Humpback whales occasionally swim past on their southern migration about 500 m from the outside edge of the tidal platform (~ 1.5km from sandy 	N/A	

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		shoreline of WMIs). Once observed a mother and calf inside channel but did not stay long. <ul style="list-style-type: none"> • Tiger and hammerhead sharks common in bay. 		
14 November 2012	Point Samson Charters <ul style="list-style-type: none"> • Rick McGregor (Point Samson) • Ian Le Provost • Blair Culbertson 	<ul style="list-style-type: none"> • Rick been based in Point Samson for 30 years, originally as a prawn fisherman, more recently as a charter fishing boat, lodge and restaurant operator. • Used to trawl for banana prawns on the flat sandy bottom offshore the islands between WMIs and Point Samson. Trawling ceased about 10-12 years ago. Only one trawler operating out of John's Creek (Point Samson) now. • No true coral reef anywhere along the coast except at Bezout and Delambrie Islands, and on some of the shallower parts of Geographe Shoals located about 10 nm offshore. • Dugong rarely seen in coastal waters between Cape Lambert and Depuch island • Humpbacks tend to migrate along seaward side of Geographe Shoals offshore, but occasionally seen closer to shore. • Very little turtle nesting occurs on the islands between Depuch and Point Samson. • Preferred Jetty location is ideally located because well protected from easterly wind generated chop in winter. • Rick regularly visits a coral monitoring reference control site established by SKM a few years back for the Cape Lambert port expansions by Rio. This site is located on the seaward side of the tidal platform east of WMIs and is about 5m deep situated on flat 	N/A	

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		<p>pavement and comprised of a small area of encrusting corals. This was the only nearshore site that SKM could find in the region. Hence corals are not abundant. SKM contact is Arne De Vos.</p>		
<p>20 November 2012</p>	<p>OEPA Marine Ecosystem Branch</p> <ul style="list-style-type: none"> • OEPA officers. • Matthew James • Angela Johnson • Ian Le Provost 	<p>The key messages from the OEPA was to address the applicable EPA guidance of:</p> <ul style="list-style-type: none"> • Guidance Statement 1 for category 2 mangrove protection; • EAG 5 for protection of turtles from light impacts; • EAG 3 for protection of benthic primary producers and the applicable Cumulative Loss Guideline of 1% of Loss Assessment Unit; and • Pilbara water quality consultation outcomes requirement of achieving maximum levels of ecological protection. • Determine the presence/absence of protected species within the embayment and the use of the embayment made by those species. Particular attention to be focused on dolphins, dugongs, sawfish and migratory water birds. Turtles to be addressed also but mainly in so far as applying the EPA guidance (if and as applicable). <p>The lack of dredging reduced the concern over introduced marine pests and water quality impacts on sensitive receptors.</p> <p>Regarding the bays designation as an area requiring maximum ecological protection, It would be advisable to obtain a seasonal baseline understanding of the contaminant status of waters and sediments in the embayment in order to be able to demonstrate</p>	<ul style="list-style-type: none"> • Ian Le Provost has completed the mangrove and sub-tidal BPPH mapping and impact assessment. • Pendoley Environmental is completing aerial surveys in December 2012 and mobilise in April 2013 for light assessment surveys. • Baseline water and sediment testing planned for April 2013. <p>Ian Le Provost provided the officers with a copy of his BPPH maps and Summary description of Environment (Appendix 3), and subsequently forwarded his “Balla Balla BLF Env Approvals” document (Appendix 2) – his thoughts on the scope of works required to address the marine aspects of the project.</p>	

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		compliance with the maximum water quality protection requirement. It may also be advisable to consider applying for a lower level of protection in the vicinity of the jetty head. Main concerns will be water and sediment contamination as a result of leachate from stockpiles and spillages during loading.		
20 November 2012	Department of Water (DoW) <ul style="list-style-type: none"> • Hamid Mohsenzadeh (DoW) • Garry Humphreys (DoW) • Matthew James • Angela Johnson 	Project update & briefing note given (Appendix 3), focusing on trans-shipping variation. DoW commented that they appreciated the update but had no concerns with the Proposal. Only DoW request was to ensure that the FMA water licence for Balla Balla was transferred into Forge's name.	Water licence transfer documents were posted on Jan-10, 2013.	
4 December 2012	Department of Indigenous Affairs (DIA) <ul style="list-style-type: none"> • Robert Brock (DIA) • Christine Lewis (DIA) • Shay Hayden (DIA) • Dr Matthew James • Ange Johnson • Dr Chris John 	DIA did not raise any concerns for the Project & found it particularly attractive if Forge could manage to avoid all sites & not require Section 18s. <ul style="list-style-type: none"> • Project (Balla Balla) overview & update provided by Forge • At this stage the variation (the export facility) to the Project borders a DIA registered site which is archaeological in nature, DIA suggested that Forge could engage an archaeologist on site to better define the heritage site boundary prior to completing the Heritage survey with the Traditional Owners. Note: Forge to determine the relationship concern of this approach. • DIA commented that a Section 16 may assist in understanding the proposed DIA site & is usually welcomed by the TOs. • DIA suggested that we include a Cultural Heritage Management Plan in our EMPs, template on DIA 	<ul style="list-style-type: none"> • Forge confirmed that the project strategy was to avoid ALL heritage sites, hence the reason why the Project did not require approval under the Aboriginal Heritage Act. • Forge confirmed that it has commenced development of a relationship with the Ngarluma group, which will include progression toward a Project Specific Native Title Agreement & subsequent Heritage Survey Protocol. 	

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		website, even though Forge are not intending on impacting sites this would be because on the coastal areas it would cover the situation of 'what to do' if an unknown site was discovered.		
17 January 2013	Venturex <ul style="list-style-type: none"> • Michael Mulroney (MD Venturex) • Ian Stickling (COO Venturex) • Dr Matthew Hames 	<ul style="list-style-type: none"> • Venturex were recently notified of the newly applied for Misc licence application for the trans-shipment project. • They believe it cuts across prospective ground (although Dough Boy drilling did not return anything) and not happy about the conveyor going across it (hard to relocate) • They would support (much prefer), a General Licence application, to the north of their mineralisation area which would require Forge to locate the filter plant and stockyard between their mineralisation and the start of the inter-tidal storm surge area. 	Forge need to understand if a G and E can co-exist but if they can they were not worried about giving up that ground. Forge to co-ordinate release/application.	
17 January 2013	West Moore Island <ul style="list-style-type: none"> • Kelvin Brown • Rick Francis (Director Tennereef Pty Ltd) • Dr Matthew James 	Forge has reached an 'in principal' agreement with West Moore Island and Tennereef Pty Ltd, resulting in support the Balla Balla transshipment proposal without objection.	N/A.	
18 January 2013	DoT <ul style="list-style-type: none"> • Peter Parolo (DoT) • Kim Davis (DoT) • Mark Sparrow (DoT) • Dr Matthew James • Ange Johnson • Kim Keogh 	<ul style="list-style-type: none"> • Forge to submit anchorage location to DoT (Kim Davis) to check cyclone safety & proximity to other moorings. • New DoT Harbour Master being appointed next week, acting is Captain David Harrod. • DoT need to re-proclaim an area under the Shipping & Piloting Act or if after June 2014 will fall under Pilbara Ports Authority (not DoT). • DoT suggested we further advise DSD of progress. 	<ul style="list-style-type: none"> • Forge showed proposed footprint which is now fixed & asked next steps in process with DoT, these are: <ul style="list-style-type: none"> o Forge to submit a letter to DoT (Kim Davis) which will include our footprint, plans & engineering. o Note that this document 	

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		<ul style="list-style-type: none"> DoT will liaise with the Dampier Port Authority in regards to our Proposal. 	will be issued to David Harrod to consider marine safety & Steve Jenkins as the GM Coastal Infrastructure.	
23 January 2013	Landowner <ul style="list-style-type: none"> Peter Cook (Pastoralist) Blair Culbertson 	Consultation began with Peter in Q2 of 2012 when a Forge Resources delegation went to Balla Balla for a site inspection. Blair Culbertson has shown the current Sherlock station manager our plans, and has briefed Mr Cook on the proposed conveyor/causeway route. Mr Cook has no objections to any of the proposed infrastructure. Rather he supports the Transhipment proposal, as his prior major concern was the amount of ground water required for the slurry pipeline, which will be obviously reduced by the conveyor.	N/A.	