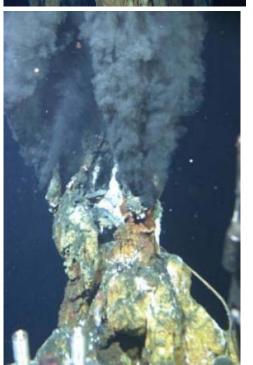


Bismarck Mining Corporation (Vanuatu) Limited (Part of Neptune Minerals Group)



Harvey Cook - Director

Tim McConachy - Director

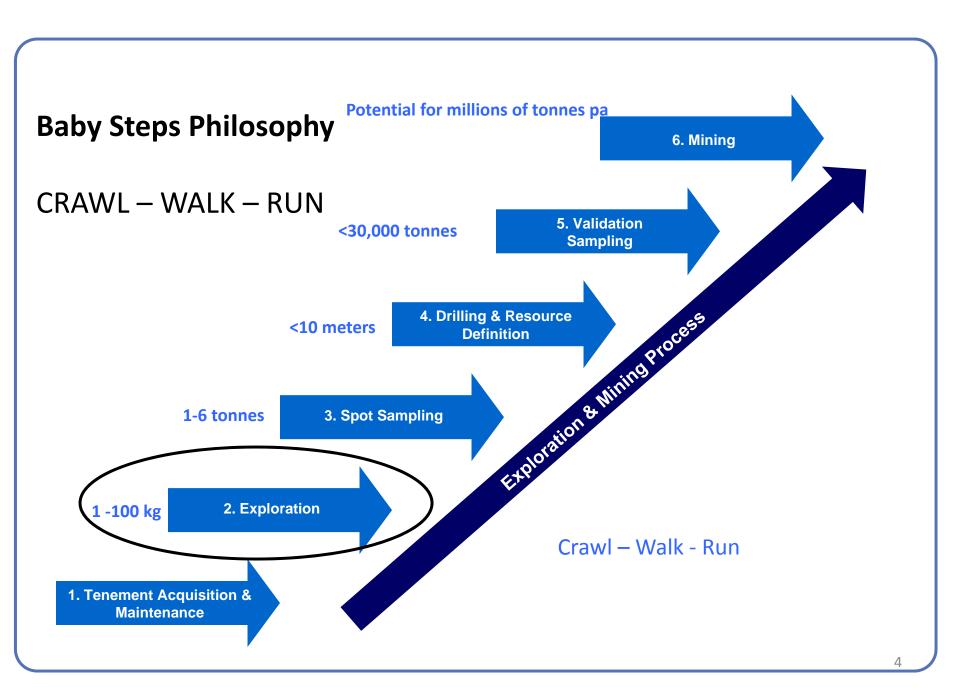
Sophie Egden - Manager Regional Affairs

Introduction

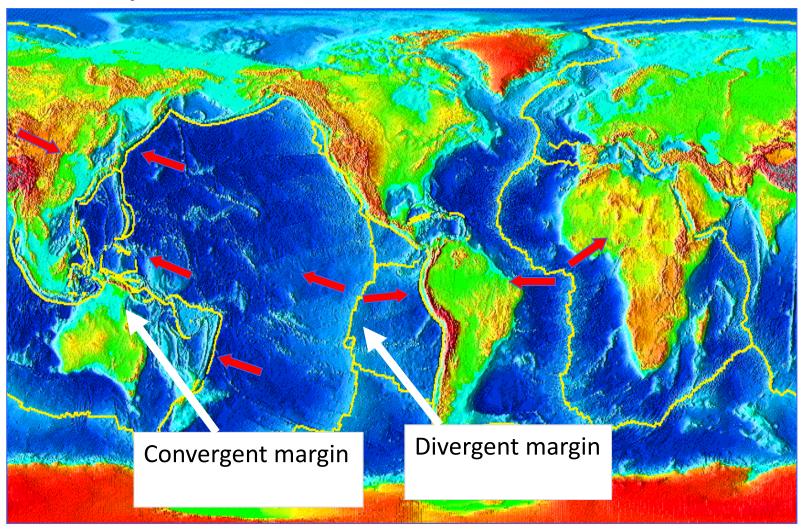
- Who we are:
- Seafloor minerals explorer
- Granted exploration licences and applications in W Pacific
- Part of Bluewater Metals/Neptune Minerals Group of Companies
- Project Office in Sydney
- Financial Office in Melbourne
- Head Office in Tampa, USA

Scope of Talk

Scope of current	Exploration not mining
work	
Our approach	Baby Steps.
	We are careful and
	respectful.
Environment	We are knowledgeable and
	will do the right thing
Local benefits	This will be a good thing for
	All Islanders
The need for sub-sea	The world needs new sources
mining	of minerals
Our credentials	We are responsible &
	trustworthy

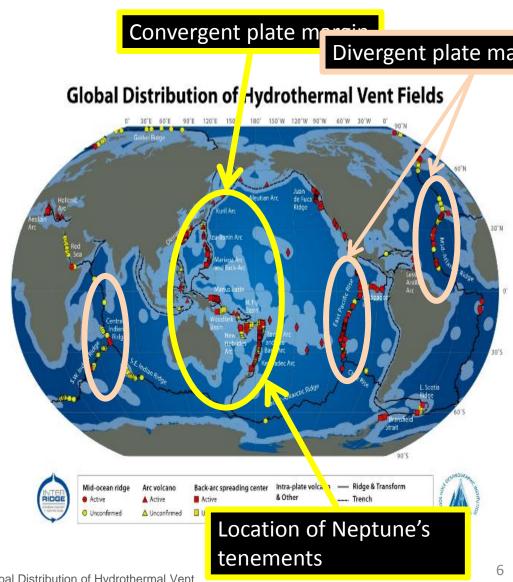


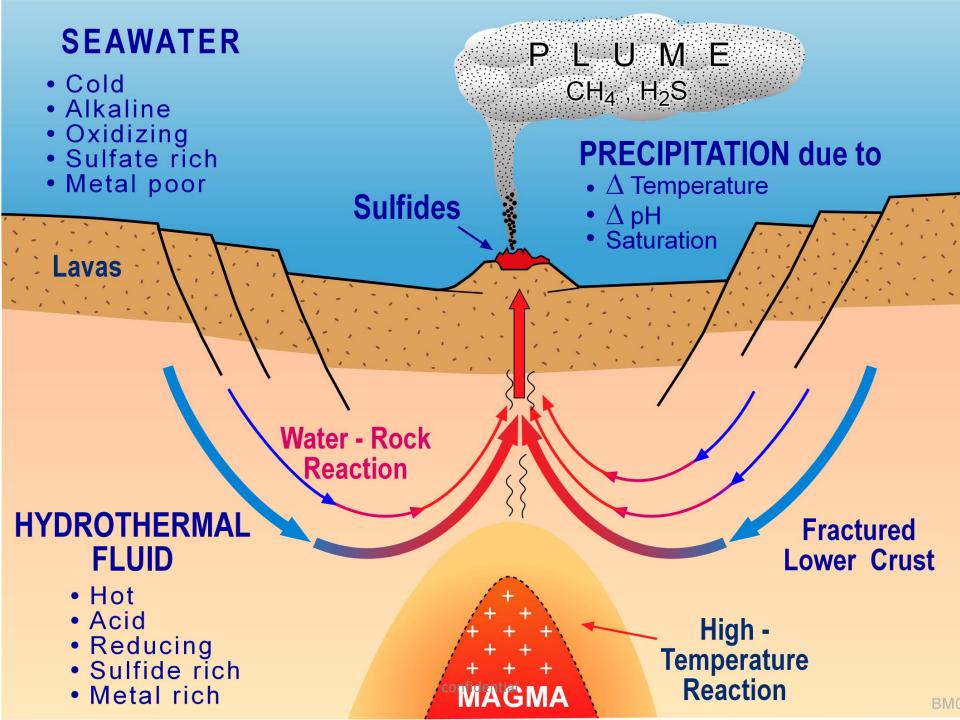
72% world's surface is ocean



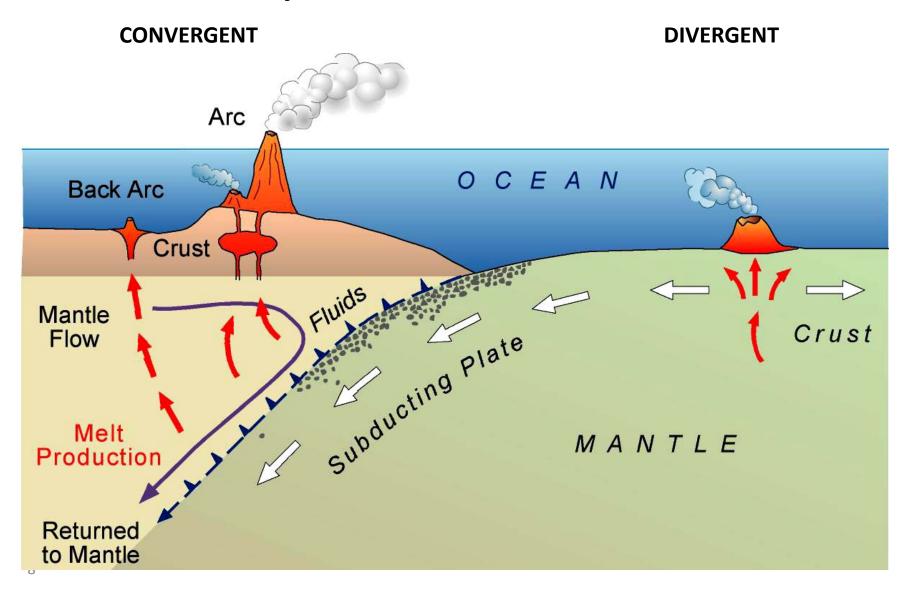
Prospectivity of Seafloor

- Seafloor massive sulfide (SMS) deposits form on ocean floor,
- High concentrations of copper, zinc, gold, silver and other trace metals.
- Modern-day equivalents of ancient land based volcanogenic massive sulfide (VMS) deposits, major source of world's base and precious metals.
- Since 1979, ~150 SMS found discovered at divergent and convergent plate boundaries
- ~1,000 SMS deposits across the world's oceans¹
- Convergent plate margins, including 22,000 km of volcanic arcs and 7,000 km of back arcs, 40% of world's SMS deposits





Exploration Tenent



Our Exploration Strategy

EXPLORATION Drilling and Target Area **Target Target** Resource Selection Identification Selection Definition Definition Literature Rapid Hydrothermal Ultra-hi resolution Core and RC Review and 20 - 100 holes plume survey mapping Regional Area Tow-yo per prospect Bathymetry Geophysical Selection Low-tow ≥ 5m depth Mapping surveys AUV (EM, magnetics) 12 - 30kHz **ROV** mapping (includes and sampling Scout Drilling backscatter) (1 - 5m)Reconnaissance drilling (1-3m)TIME

Exploration

- MV Dorado Discovery
- Multibeam 40Khz mapping
- Hydrothermal plume survey
- Follow up mapping and sampling with Remotely Operated Vehicle (ROV)
- Spot sampling
- Drilling
- Validation Sampling
- Environmental studies start Day 1, integral to all work
- Government officials invited to be active participants in all campaigns; have access to all areas





Remotely Operated Vehicle

MV Dorado Discovery

MV Dorado Discovery Swiss Army Knife for seafloor exploration









Drilling Campaign

- Determine extent of mineralization.
- Various options evaluated before selecting the PROD 3 seafloor drill provided and operated by Benthic Geotech.
- Main reasons for the choice were:
 - Proven track record
 - Multiple drilling options
 - Productivity
 - Core retrieval methodologies
- Capability to perform onboard processing of samples and to gather hand held XRF measurements were implemented.
- Multiple operations planned for to optimize vessel use; drilling, environmental and survey programs planned and executed.



Drill core



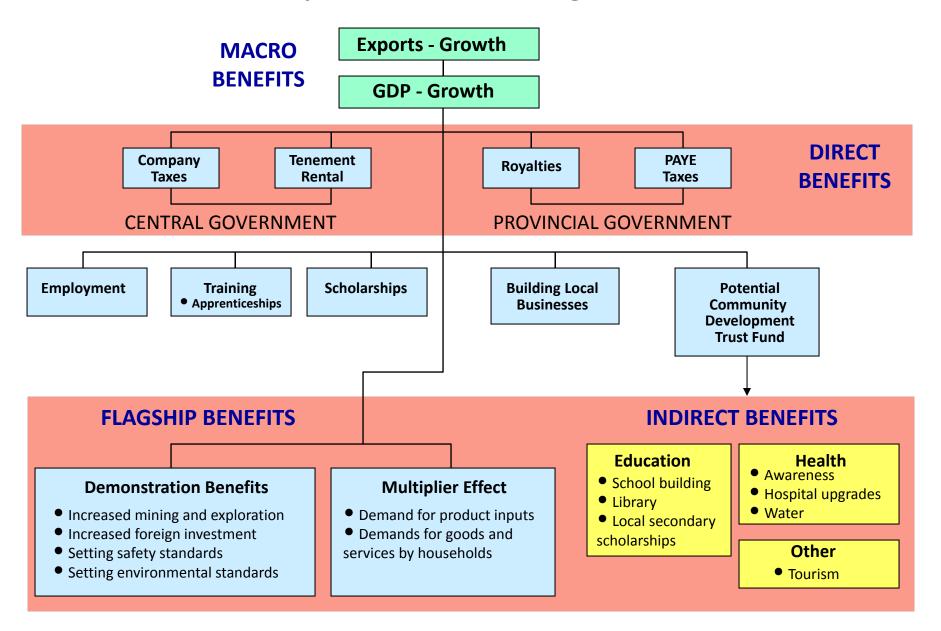


Drill recovery

Social Licence (most important)



Seafloor Exploration and Mining – The Benefits



Topic	Major message	Our Belief
Scope of	Exploration not	No sub-sea mining activities at all at this stage.
current work	Mining	Focusing on exploration activities only under a
		licence issued by the National Government's
		Ministry of Mines. Mining project, if it goes
		ahead, will not take place for several years
		from now.
Our	Baby Steps. We are	We are here to do no harm. We are taking baby
approach	careful and respectful	steps every step of the way so that we can
		assess and review the outcomes of our work.
		We will only proceed to the next step if it is
		safe to do so.
Environment	We are	Protecting the environment, as well as the
1	knowledgeable	health, safety and welfare of all Islanders, is a
	and will do the right thing	primary concern for us.

Topic	Major message	Our Belief
Local	This should be a	A sub-sea mining project, if it goes ahead,
benefits good thing for a Islanders	ood thing for all	would benefit all Islanders. Benefits will come
	Islanders	through taxes paid to the National Government
		for the betterment of the local community;
		sharing of knowledge and data and jobs for
		local people in service industries which would
		support the project.
The need for	The world needs	Our world needs to develop new sources of
sub-sea new source mining minerals	new sources of	minerals because land based deposits are
	minerals	getting harder to find and more costly to build.
		Declining grades, rising volumes. Minerals are
		used in all sorts of ways in our homes, roads
		and buildings. SMS production is a low
		impact, small carbon foot print
Our	We are responsible	We are an active contributor to SOPAC. All our
credentials	& trustworthy	work is carried out in accordance with SOPAC,
		ISA guidelines. Have history of collegial
		cooperation with government and stakeholders