

Isle of Man Biosphere Vannin

Workshop

17 June 2014

Workshop outputs

Word for Word Report

Type up tasks		Finishing tasks	
Insert title and date of workshop on front page	✓	Code and process outputs,	
Insert event questions as titles	✓	Delete coding when finished	
Insert agenda	✓	Check format and spacing	
Insert attendees list	✓	Tailor front page text to this event	
- needs updating for this event	✓		
Spell check		Final update of contents page Check section numbers/index as moved mapping section 4	
Create acronym list and definitions -needs updating for this event	✓	Delete any notes to typist or processer	
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About the workshop and this report

▪ Purpose of the workshop

The Isle of Man is unique, beautiful, and rich in wildlife, heritage and history. Our island supports prosperous communities, a rich culture, diverse ways of life and livelihoods. The seas around the Island support thriving fisheries as well as areas of precious marine nature. In recognition of all these special qualities, Tynwald have given DEFA the responsibility of making a proposal to UNESCO that the whole of the territory is made a Biosphere area, which would be the world's first small country to seek this recognition as a whole jurisdiction.

If the proposal is successful, Biosphere Vannin will be taken forward as a shared endeavour between the Government, business, the third sector and communities. Each has particular strengths, but by integrating ideas and action, more will be achieved.

But first DEFA need to prepare a proposal that is well informed and well supported. This workshop has been a vital stage in achieving that, enabling stakeholders to help shape and influence the proposal.

The workshop was a very full day, and we thank all those that could attend and make their views known. The day started with introductory talks by the Isle of Man Project Co-ordinator and then by a guest speaker from Dyfi Biosphere in Wales, and Alan Wynne Jones' experiences and lessons learned over recent years since they started on their UNESCO Biosphere process.

Topics then covered were asking stakeholders their vision for the Isle of Man in 2030, changes and trends we have noticed locally. Examples of where we are heading, how could that be strengthened or enhanced to make the Isle of Man more sustainable and a better place to live, work and visit. Also asked was what else needs to happen to improve things for nature and for people.

A challenging and important part of the day was working on zonation for the island, so all areas of marine and land areas could be allocated to one of the three zones, Core, Buffer and Transition, which came up with some very important suggestions.

A very valuable section of the day was when stakeholders suggested how being involved in the Biosphere Vannin project could complement their activities, and a range of benefits of working together were suggested. Assets and resources (such as time, effort, information, know-how, innovations, skills, staff, volunteers, places, networks, advice and funding) were suggested by various stakeholders as being things that could be harnessed for shared initiatives and shared outcomes.

Finally it was asked how you could be kept informed of progress of the project and how the project can engage your interest as the project progresses following on from the workshop.

Biosphere reserve: UNESCO Man & Biosphere program (MAB), seeks to demonstrate innovative approaches to living in harmony with nature - one primary objective = achieve sustainable balance between goals conserving biological diversity, promoting economic development & maintaining associated cultural values.

- **About this report.**

During workshops the essence of everything that is said is written on flip charts, 'post-it notes or forms.

Following the event all the outputs are typed up 'word for word'. Once typed, the points within a conversation are sorted and clustered so that similar points are together.

This report follows the same order as the event.

- **Why sort the outputs?**

It can be difficult to make sense of a discussion reported in the exact order in which it happens and important themes and ideas are obscured. This is because conversations don't progress in a linear way but go off at tangents, circle back and change direction suddenly.

By sorting similar points together, the main topics and themes of the conversation become clear.

We sort the outputs using a method called 'emergent processing'. This means we don't organise the text to a pre-set list of titles but see what emerges. The ideas could have been grouped differently or different titles chosen, so no weight should be attached to them.

This report serves as a record of what people discussed, and an *aide memoir* for those who took part in the workshop, but the contents are inevitably quite cryptic in places. We strongly recommend that it is not used as the main means of communicating with non-participants.

Acronyms & definitions used in this report	Meaning
AES / Agri-Env Scheme / AEScheme	Agri-Environment Scheme
Agric.	Agriculture
App's	Application software designed to help the user to perform specific tasks on smartphones, tablet computers & mobile devices
ASSI's	Area of Special Scientific Interest (IOM equivalent of UK ASSSI's)
Ayres NNR	Ayres National Nature Reserve
BR	Biosphere Reserve
Br Isles	British Isles
BV / BVannin	Biosphere Vannin
CCS	Countryside Care Scheme
CMS	Centre for Manx studies
CofE	Isle of Man College of Further Education
Credit Union	A non-profit-making money cooperative created for and by its members, who are its depositors, borrowers, and shareholders. Members can borrow from pooled deposits at low interest rates.
CSR	Corporate Social Responsibility
DEC	Department of Education and Children
DED	Department of Economic Development
DEFA	Department of Environment, Food and Agriculture
DOI	Department of Infrastructure
Eco	Ecological
EcoVannin	Eco-Vannin is a multi-agency partnership between DED, DEFA, MUA, IOMFOE, ZWM and MEAC. It has an education & awareness thread among its 8 threads, to promote a sustainable Isle of Man community
Env. Impact Ass.	Environmental Impact Assessment
Enviro	Environment
EU	European Union
GAEC	Good Agricultural & Environmental Condition
GDP	Gross domestic product
GLUG	Green Lane Users Group
Gov. / Gov't / Gvt / gov / Govt's	Isle of Man Government
GPS	Global Positioning System
Ind	Industry
IOC	Island of Culture
IOM / Vannin / Island	Isle of Man
IOM College HE	Isle of Man College of Higher education
IOMFOE	Isle of Man Friends of the Earth
IOMNHAS	Isle of Man Natural History & Antiquarian Society
IRIS	Integration and Recycling of the Island's Sewage network/scheme
Island FP map	Island Foot Path map
Island21	Island Agenda 21 group
JV	Joint Venture
LA's	Local Authorities
M&S	Marks & Spencer's
Manx FPO / MFPO / FPO	Manx Fish Producers Organisation
MCA	Maritime and Coastguard Agency
MEAC	Manx Energy Advice Centre
MHF	Manx Heritage Foundation (recently became Culture Vannin)
MNH	Manx National Heritage
Mtb / Mtn bikes	Mountain bikes
MUA	Manx Utilities Authority (recently formed from the merger of the Manx Electricity Authority and the Water & Sewerage Authority)
MWT	Manx Wildlife Trust

NGO's	non-governmental organisation
OAP's	Old Age Pensioners
Org	Organisations
OSPAR	Oslo/Paris convention (for the Protection of the Marine Environment of the North-East Atlantic)
Resc centre	Rescue Centre
Seasearch	NGO of volunteer divers conducting monitoring/surveys of underwater marine life
SMILE	Synergies in Multi-scale Inter-Linkages of Eco-social systems
Socio	Social
SPMCE	Society for the Protection of the Manx Countryside & Environment
TCC	The Children's Centre
The Isle of Play, The Island of Play	Is a multi agency partnership group aiming to make a sustainable Island that embraces children's 'right to play'
TT	Isle of Man Tourist Trophy motorcycle road race
TT zero	Isle of Man Tourist Trophy electric motorcycle race
UNCRC	United Nations Convention on the Rights of the Child
UNESCO	United Nations Organization for Education, Science and Culture
VMS data	Vessel monitoring system is a satellite-based monitoring system which at regular intervals provides data to the fisheries authorities
WF	Wind Farm
WI	Women's Institute
Wrt	With respect to...
ZWM	Zero Waste Mann

1 Q&A following presentation

Following a briefing presentation by Peter Longworth of DEFA introducing Biosphere Vannin and Allan Jones from Dyfi Biosphere speaking from experience, there was a question and answer session:

Questions to Peter Longworth:

- Q** – **How will the success of BV be measured?**
A – The project overview document that was circulated to all stakeholders prior to today, captures the main objectives & deliverables, and it would be appropriate to attach it to the report from today, when it is circulated.*
- Q** – **What are the timescales for the Biosphere Vannin Nomination process?**
A – The application form needs to be submitted at the end of September. Approval decision takes 6 months, up to early June.

Questions to Allan Jones

- Q** – **What is holistic destination management?**
A – 'Holistic destination management' represents..... an approach to co-ordinated management and development of a tourist destination which seeks to anticipate as many aspects as possible of the sensory visitor experience.....including obvious aspects such as accommodation, catering, local purchases, interpretation etc.....but also understanding the impact of what is increasingly called the 'public realm': small signage, street furniture, urban cleanliness, greenery, rest areas, benches, viewpoints.....as well as the overall 'sense of place'.*
- Q** – **How did you measure the increase in tourism and was it compared with similar areas not in a biosphere?**
A – Haven't been able to measure success, but have seen engagement. Local business in sustainability and sustainable tourism. Not far from 'core zone', small scale guest houses have approached us.
- Q** – **How long did it take Dyfi Valley to go through their nomination?**

- A – 2 Phases of meetings:
 – Early = rural areas
 – Then 2nd phase looked wider at Aberystwyth area with a brochure explaining what was involved to help consultation.
- Q – Zoning. Biosphere not about preventing access... ‘core’ in Wales predominantly no access? (concerns on Island)**
- A – Access to core area through a board-walk. There is a great sense of place. Regarded ‘core and buffer’ as out of bounds.. Focus has been transition area and how to manage activities in this area. Vannin will be different to this.
-
- Q – How many different types of organisations were involved i.e. Local Authorities, Businesses, Churches...?**
- A – Tended not to involve organisations but rather represent themes. Several Town Councils shown interest but not community groups.

*These answers were not recorded on the day but added here afterwards

2 It is 2030 and you are looking around the Island (on land or sea) and appreciating the difference the Biosphere Vannin has made. Why? What do you see?

People and nature in harmony

- People and nature living together as always
- None: Because we should be living in harmony as man and nature anyway
- More vibrant: people and nature together making IOM a better place to work and live in
- Recognition of the IOM’s Distinctness (compared to Br Isles) but harmonised with continuous economic growth & prosperity

Sense of place & pride

- Appreciation of why the island is special
- I see lots of happy people proud of their home
 - I see an island that fully recognises what it has
- Evolving & working environment & culture
 - All the celebrated parts of the United Kingdom in miniature in a small scale area (33m x 11m)
- Proud to say come from the IOM

Community projects achieving local sustainability

- Signs showing how community–based projects are achieving local, sustainable results of benefit to all

Changed attitudes

- Appreciation of improved use and management of our natural assets
- We have all been conscious of the impact we have on our environment and actively taken steps to maximise the impact of our activities
- Individuals challenging our motivations and ethics

Sustainable future

- Joined-up strategy on ‘Sustainability’
- Sustainable management rather than just “lip service”
- I would see:
 - 85% of domestic transport being electric (not fossil)
 - 70% of all waste recycled
 - 90% of energy local produced from alternative sources
- Sustainable island life in the true sense – do we need to limit human population size?

Environment & business success

- Conservation maintained alongside commercial success. Coordinated approach
- Balance of conservation and commercial consideration
- IOM has many good examples of good practice in sustainability

- Conservation but also commercial consideration

Sustainable food

- Maintenance of sustainability
 - Greater food production

Sustainable transport

- 2030 – Looks like a good fleet of commuter buses/trams
- Hopefully no great increase in roads – green lanes – class 4 roads respected

Renewable energy

- Use of tidal resources
- Energy from waste plant 'decommissioned'
- More evidence of renewable energy sources
 - Solar, wind & wave power

Heritage looked after

- Human activity that does not destroy the natural and historic environment – this means government spending money on protecting habitats
- What we had in 2014 has been protected from future harm

Nature tourism

- Nature Tourism increased by 50%

More wildlife & wild areas

- Green spaces! (wild ones)
- I hope to see many more upland birds especially red grouse

Beautiful landscape & clean sea

Beauty

- The Beauty of our Glens & shore lines
- The Island has retained its natural beauty and improved the ugly areas which has helped our economy

Clean seas

- Clean seas
 - No raw sewerage

People enjoying themselves

- Community woodlands full of people at recreation
- The green spaces & beaches enjoyed by children playing unsupervised
- An appreciation for the 'here & now' in all public spaces in particular children's spontaneous drive to play
- People enjoying the landscape and seascape without destroying it
 - government encouraging this both financially and practically
- Activity that is lively & positive but not degrading to the environment
- Glorious 12th happens for the 1st time this century, grouse

Co-operation

- Things happening – less conflict. People realising that some places are special
- Back to people looking after each other – talking like friends

People connecting with & understanding heritage

- People of all ages connecting with landscape and culture
 - particularly through our historical landscape
- A cultural centre with a focus on language, music, history, documenting the changing nature of our Island and people

Housing on brown-field

- 2030 – oh good – plenty of housing on infill/Brownfield sites

Effective marketing

- Island marketed differently (Lifestyle) Countryside etc.
- Lots more government branding without real measureable impacts

Clear political voice

- Enjoy a clear political voice with minimal outside interference

Don't know yet

- I have no idea until i know more

3 Exchanging Knowledge

3.1 Exploring the idea of the Biosphere Vannin

3.1.1 What benefits could being a Biosphere area bring, to make it really worthwhile?

Communication, promotion & marketing

Tourism/eco-tourism & marketing opportunity

- Economic opportunity via tourism/ecotourism
- Could increase tourism but will that bring environmental benefits?
- Really straightforward marketing opportunity for the IOM as a whole
- Possible marketing aid – but only if heavily promoted

Needs to be heavily promoted so people understand it

- Biosphere Vannin would need to be heavily promoted – so people understand it, it needs to have value/purpose – could be very valuable in terms of marketing agricultural products, activity but also any benefits need to be both un////////able and quantifiable

Recognition & reputation

Appreciate/recognise what we've got

- Can help people appreciate/recognise what we've got, both existing residents and visitors and potential new residents

Help to raise ambitions & international reputation

- And it might help to raise ambitions generally (about the IOM on a world stage)
- Improved international reputation

Focus investment

- Help to focus investment in worthwhile areas

Standards

- The implementation of standards which build upon the existing manx landscape and its infrastructure

Engagement, pride & profile

Enhance pride & engagement (no litter, tidy beaches etc.)

- Could help to enhance pride in our area and encourage people to join in to look after their own area, e.g. keeping beaches tidy and the area around their home (blue flag beaches)
- Litter free

Raise cultural activities profile & increase engagement

- Raise profile of cultural activities, increasing engagement with different sectors of the population

Positive action

- Factual confirmation of the spectrum of positive action (visible and not so visible) on island

Working together to achieve a common goal

- Everyone working together to achieve a common purpose or goal

Happy & healthy people

Happier people

- Happier People

Healthy & active population

- More health and active population

Bicycles

- Fewer cars! More bicycles or electric powered bikes

3.1.2 What are the challenges of becoming a Biosphere Vannin?

Engage public support & inclusivity

- Buy in from the public & stakeholders
- Engaging sufficient public support
- Engaging with different communities working on the Island, including Polish, Filipino, S. African communities – making sure BV is inclusive & accessible
- Public awareness & knowledge & understanding
- A challenge is, even if we are designated ensuring public awareness, understanding & engagement

- Educating the public and engaging various parties
- Individual perspectives/previous experiences

Best kept secret & change?

- Are we a “best kept secret” & is BV going to change that?

Qualitative benefits & outcomes, quantifiable targets

- Metrics & proof of progress are important but don't be too obsessed with ‘measurables’ as many of the benefits/costs are qualitative but not easily quantifiable. Focus on outcomes, where easy measurements are not available. It's lazy thinking to only do what you can measure.
- Potential for there to be a perception that it is a ‘woolly’ initiative with no hard, measurable benefits and that it is desirable rather than essential
- Must be measurable, with setting of clear targets/outputs

Balance of environment & economy

- Maintain growth and development without adversely affecting the environment
- Conflict resolution – all works fine in theory. What about when economic benefit outweighs (or is argued to outweigh) environmental issues
- Conflict between those depending on an economic resources and the need to sustain it. Politicians are short term appointments – might not take “hard” or unpopular decisions

Growing population needs

- Growing population – need to accommodate their needs – housing, transport

Legislation & policy & use of language

- No further legislation or policies particularly language that will divide communities
- Risk of communities alienation by existing stakeholders if any increased legislation & rules

Education support needed if change in curriculum

- Concern that Biosphere status means an automatic change in education/curriculum – more support needed (otherwise it is unrealistic)

3.1.3 What more would you like to know about? What questions do you have?

Achievable aims & examples

- Would be good to have concrete examples from other Biosphere areas of what is achievable: something to aim for, e.g. for local authorities

Policy & implications of designation/removal

- Can this influence public policy?
- As designation can be conferred can it then be taken away? i.e. Will it mean restrictions in the future on the basis “it would be against our Biosphere principles”?

What is the engagement/main aims of DED to this project?

- What engagement have DED committed to? What is their transparent main aim in relation to it? (This project)

Has Biosphere status added value e.g. to local food & craft?

- Has it been used successfully to promote locally produced food?
- Has the use of Biosphere status elsewhere ‘added’ value to products e.g. local food & crafts?
- Has it been used successfully to promote locally produced food? Has the use of Biosphere “added value” to products – e.g. local foods & crafts?

Children

- Besides the photo of children in the sea, how are we considering children in the bid?

3.2 Changes and trends

3.2.1 What do you value now that you would like future generations to be able to see or do?

Quality of life

Active community organisation

- Active community organisations

Joined up thinking

- Examples of joined up thinking

Unique ‘genus loci’

- The Island has a unique 'genus loci'

Safe place to live & work

- Safe place to live & work

Give children the freedom to roam & play

- The Island is well protected from many perceived social threats, embrace this & demonstrate it by giving children the freedom to roam & play

Healthy & active lifestyle

- Healthy & active lifestyle opportunities

Clean fresh air

- Clean fresh air

Source of wellbeing & tranquillity & high quality of life

- Source of wellbeing!
- High quality of life
- Peace & quiet - tranquillity

Low unemployment

- Low unemployment

Economic flexibility

- Economic flexibility – speed of responses

Access to amenities

- Access to amenities

Nature & wildlife

Accessible nature & wildlife

- Accessible nature & landscape
- Access to country
- Pockets of purposely accessible nature
- Celebrated environment which is easy to access for public use and adventure sport

Unique wildlife

- Unique wildlife

Countryside & coastlines, glens, fields, hedges, dry stone walls

- Natural coastlines
- Glens & shoreline
- The countryside with patchwork of fields, hedges, dry stone wall & easily visible – part of everyday life if you choose to engage with it

Heritage & culture

Language & culture & engaged education

- The language
- Manx culture in all its wonderful diversity (language, music, dance, folklore, dialect, creativity, history etc.)
- Our strong educational system which includes extensive engagement with the arts and sport, linking future generations to the Island's physicality and culture

Built heritage & archaeology

- A long history of landscape development
- Built heritage/archaeology

Free of wind turbines

- Landscape free of wind turbines

Motorsport

- Motorsport

3.2.2 What trends and changes are taking place that need to be taken into account? What is your observation based on? (e.g. observation or research)

Trends/changes	What is your observation based on?
Climate change: flooding/snow	
Climate change – extremes of weather & flooding	Snowfall 2013 Flooding 2012 – 2013....

	Predicted increases over next century
Rising sea levels	50mm in 20 years?
Wildlife & walking tourism	
Wildlife tourism	Operation of businesses serving this sector
Walking holidays	Tourism targeting/walking festival
Dark skies	
'Dark Skies' Project	IOM Astronomical Society
Local food & agriculture	
Increase in locally produced food/provenance	Observation
Agric. support becoming related to providing environmental benefit	C.C.S
Sustainable fisheries	
Sustainable fisheries	Decline in queenie biomass Increase in non-manx boats fishing territorial waters Increasing catches/landings by non-manx boats
Motorsport going green	
Motorsport going green	TT Zero
Culture & arts	
Increased connection with manx culture & the arts – through Island of Culture & accompanying DEC educational focus and re-branding of MHF as Culture Vannin; continued presence of MNH	Island of Culture 2014 Increased social media traffic Fabulous response from schools for IOC
Upcycling & repurposing	
Increase in recycling/repurposing	Increase in use of charity shops, turnover at amenity sites, initiatives around recycling specific items
The “cool factor” in repurposing	Young people aspire less to new stuff, more to upcycled stuff & experiences
Outdoor play & risk aversion	
Decline in children’s outdoor unsupervised play	TCC play survey
Risk aversion	Evidence & observation <1>
Development	
Housing & commercial developments	50 new domestic 2013, 150 new domestic 2014 < 38 >
Increased recreational development	Ape Mann – Laser Mayhem. MTB trails...
Brightly lit sites	See Jurby, Ronaldsway & Mount Murray from miles away (stars?)
Building development – mansions in the rural landscape – destroying vernacular farmhouses & buildings and ecology	Visual observation
Building in designated areas is crowded and ugly but rural areas are difficult to get any kind of building permission	Visual

3.2.3 In years to come, will the IoM be able to sustain the level and types of use that occur now? If not why not and what needs managing?

Change to a wellbeing & sharing economy

- Need to move from a retail/consumer economy to a wellbeing & sharing economy. Other places are doing it well so can we!

Mindful use of resources, value social experiences & nature above consumption

- No it won't. We need to 'normalise' mindful use of resources
 - less water & energy footprint
 - and use these austere times to get people to value social experiences and appreciation of nature and art over & above the consumption of stuff.

Joint work, ownership & responsibility

- Only through joint work – Gov, NGO's, user groups
- Ownership & responsibility by every individual, business, org and its impact (both pos & neg)

Land & marine management

Bio-security – replace woods/glens

- Bio-security is a future threat. We will lose forested areas to phytophthora
 - How do we replace lost woodland & glens?

More dialogue/resources to manage land/marine

- We need more dialogue between users of open spaces so interests can be managed
- Conflict in upland areas – motorsports, mountain bikes, walkers > erosion, scaring etc. Reduced resources to effectively manage footpaths, glens etc.
- Future increase in pressures for use of marine areas. Competing zonation?

Sustainable agriculture

- Agricultural change is inevitable. How to manage sustainably?
- Agriculture needs to be viable in addition to being sustainable. Clear directive needed. Conflict between 'managing countryside' & needing to produce cheap, competitive food. The countryside as we know it needs careful management & that has a cost associated with it

Land development/planning

- Restrict development in flood risk areas
- Better planning regulation & monitoring
- Will run out of development land
- Or the sites which are 'available' are more constrained

Insulate homes

- Many homes are still not insulated properly and this increases energy use as well as giving worse health outcomes for residents

Population

- Population growth is required for economic growth & stability. Must be able to meet these needs sustainably.
 - Population cap or continue to 'predict & provide'

3.3 Heading in the right direction

3.3.1 Land Based Conservation

What is already being done that would help deliver the goals of the Biosphere Vannin? (by government, business, NGO, parishes, communities, citizens)

People & community

Aware & active community/groups/business/partnerships

- The signing-up by DED, DEFA and MUA to EcoVannin
 - A joint initiative with Friends of the Earth, Zero Waste Man & Manx Energy Advice
 - To drive & support sustainable activity to benefit economy, society & environment
- Greater co-ordination & recognition of groups such as L.A.'s, churches & third sector (informatics)
- Island of Play 2016 (multi-agency partnership)
- Increased willingness of public sector to work in partnership with other sectors and recognition of the benefits

Social policy, incl. disability & play

- Social policy (inc. Disability/play etc.)

Environmental education & culture

- Education links with MWT & other groups promoting this through workshops & school visits
- Lectures, seminars, excursions concerning IOM landscape history & culture
- MWT works in partnership with local businesses on practical conservation projects on 1 of the 22 local nature reserves
- Growing interest by local businesses in conservation work with "make a difference day" etc
- Island21 (defunct?)

Land & resource management

Environmental land use & education

- A positive approach to land use by the major land owners (entrusted to manage the land for the people of the IOM to use) in essence try and facilitate maximum experiences in nature by people. This will provide the most effective environmental sustainable education
- Improving/maintaining footpaths – locals & visitors can struggle to use our designated routes
- The Gov doing their best with heather moorland to keep it in its current condition and enhance it

Planning & protection

- Greater protection on upland – land taken thousands of years to build up (peat bog), being demolished in 10 minutes by motorbike tyres
- Land use planning

Food & agriculture incl. environment schemes

- Agriculture needs to be viable in order to maintain the status quo as a minimum. With improved local food sales & improved marketing & funding for Agri. Environment Schemes greater enhancements could be achieved
- The bulk of the Island’s countryside is being well managed through food production – greater recognition of this would be helpful, raised awareness.
- Market quality of manx produce; green issues – “green” products
- Countryside Care Scheme. The problem is the public don’t understand this scheme and how it is being monitored

Wise management of resources

- Wise management & use of sustainable resources

Regeneration

- Regeneration of town centre areas in progress and welcomed by communities

How could that be strengthened and enhanced?

Continued involvement & engagement

BV - education & working together

- In terms of education working together towards particular goals for Biosphere Vannin

Process

- A fair and unbiased decision making process & continuing with the excellent work which is already underway

Community & culture – sense of place

- Ongoing community involvement to maintain quality & to create a sense of place both on the Island & locally for each town/village to emphasise their unique culture

Access & engagement with countryside/wildlife

- Provide more opportunities for people to engage with & learn about special sites & wildlife to increase awareness & enthusiasm
- Improved public access to (& therefore appreciation of) the countryside

Land management

Designation & protection wildlife/special places

- Designation of ASSI’s so that they give formal stat. protection to those very special places on the Island
 - Extend wildlife site designations

Reinstate agri. envir. Schemes

- Reinstate Agri. Environment Schemes

Uplands management

- Major issue shooting tenants doing a lot of the management of the uplands but there are insufficient grouse to reward them

What else needs to happen?

Nature & biodiversity

Improve nature values

- Improve knowledge among public of the nature values with good interpretation in the relevant areas

Implement Biodiversity Strategy & research/protect/monitor in partnership

- Press on with implementing the Island's Biodiversity Strategy as a matter of urgency
 - so it informs public policy on (e.g.) marine hydrocarbon exploration
- Create monitoring strategy for changes in biodiversity
- Prioritise actions for endangered wildlife & engage stakeholders
- Protect endangered habitats through appropriate management, whether legal, voluntary or schemes
- More research is needed about the effects of management on the landscape affecting natural habitats by DEFA etc. e.g. hill land, forestry, etc.
- Determine which areas are 'special' and why
 - Does this prevent all activity or just some? Do this in p'ship with others to gain understanding and consensus
- In heather doing all this moaning for grouse but what's the effect on other species, we need scientific research
- We need support to actively enhance the current grouse population. This is a recommendation of a recent Uplands Strategy Report. Core recommendations is important action of red grouse

Align farm subsidies with Biosphere goals & GAEC

- Align farm subsidies with Biosphere goals not size of farm
- Maintain the concept of good agric. & environment conditions (GAEC) as a basis for agric. support payments

Practical action

- Get more people/groups involved with active hands on habitat work
- Less talk, committees and waffle; more practical action
- Accept what we have. A practical approach to enhancing it, without reliance on 'funding' by others?

Cultural activities/events - co-ordination/support/grants

- Co-ordination across the Island of activities and support/encouragement/grants for local cultural events

Renewable energy & Govt's 80/50 co² targets

- Drop the initiative to survey for marine hydrocarbon deposits, as completely inconsistent with Govt's stated aims of meeting 80/50 co² targets and acting sustainably
- Support onshore (1) wind farm development as a cost effective addition to our energy security & contributions to 80/50 co² targets
- (1)offshore

Centralise recycling & waste management

- Cohesive, centrally managed approach to recycling and dealing with waste. The IOM is very poor at it. The piecemeal approach has failed. Centralise waste management

Cultural heritage & sustainable development

Sustainable development of our landscape & cultural heritage

- Can we develop more sustainable uses of our landscape which provide employment because:
 - People come in with lots of money, build mansions, destroy old farmhouses, individuals may not seem to offer much but collectively the overall effect is detrimental to the natural environment & also our cultural history
 - Mechanism to deal with 'eyesores' in both town & country

Key/iconic sites into Gov ownership

- Take opportunities to take key/iconic sites into government ownership

3.3.2 Shore and Marine Conservation

What is already being done that would help deliver the goals of Biosphere Vannin? (by government, business, NGO's, communities, citizens)

Improved stakeholder communication

- Recent improved communication between stakeholders – maintain

Sustainable action plans

- Engage with SMILE – Gov, EU initiative to which DED has recently subscribed & which helps Island communities develop & funnel sustainable action plans

Access to nature

- Open access to all members of the community to engage in nature
- Open access to all coastal areas for community
- Development of guidance for safe access

Marine

Marine education & coastal erosion

- Education (secondary & primary) focusing on coastal erosion
- Work with DEC & marine agencies – workshops/curriculum etc, to promote this
- Documentation of coastal erosion in film (Charles Guard for Culture Vannin) for DEC & public ('more needed')

Marine reserves & tourism zonation

- Marine reserves in place
- Marine tourism largely self regulating with few apparent issues?
- Marine user code – zonation for jet-skis, etc.
- Promotion of IOM for water sports destination
 - Tourism & business co-operation

Clean water & beaches

- Beach buddies clearing litter off beaches
 - Strong links to DEC with this
- Clean water projects – IRIS
- Fishing for litter

Fisheries management & zones

- Fisheries management with appropriate legislation to support local fisheries
- Ramsey Bay Fisheries Management Zone

Douglas regeneration

- Improvement of Douglas as the capital and the centre of the whole Island's community. An opportunity to be progressive & modern, both physically & stylistically as well as in thought

How could that be strengthened and enhanced?

Educate users through real experiences of nature

- Max opportunities to increase education of users of the natural environment
 - Best achieved by real experiences

Improve water quality & management

Improve water quality & ban raw sewage discharge

- Constant improvement of water quality
- Ban of raw sewage discharge into manx waters

Better manage marine dredging

- Better management of marine dredging & processes. re: clean water projects

Fund waste bins at shore sites

- More funding for waste bins at shore sites

Increase boat safety standards

- Increase safety standards on all manx boats
 - Adopt the MCA coding strategy & enforce it

Marine Management

Fisheries management – partnerships & protection

- Increased dialogue between fishing communities and environmental agencies - partnerships
- Improve relationships with neighbouring jurisdictions esp. re: fish
- Involve fisheries industry in management of 3 mile zone. Use combined knowledge of scientists/fishermen/government to create a more balanced approach
- Fisheries – control numbers of vessels allowed to fish in manx territorial waters through restricted licensing
- Protect the manx artisanal fleet

Marine development conditional to protect/enhance ecology

- When marine areas are developed e.g. for wind farms etc. it's really important that funding is part of the scheme to enhance & protect the ecology

What else needs to happen?

Use a combination of approaches

Communication

- Improved comms – single source of info & improved data collection
- Communication & questioning people asking why?

Joined up thinking

- More joined up thinking – to reduce fragmentation

Experimentation & creativity

- There needs to be more willingness to be open-minded to experimentation and creativity

Common sense

- More common sense required

Island culture

- The Island's contemporary culture needs to be recognised and strengthened

Research, monitor & protect wildlife (incl. marine)

- Prioritised protection of OSPAR habitats
- Research is needed to provide base line data on what marine ecology we have so we can see how it changes in the future – esp. with development projects in our marine areas
- Monitoring schemes for wildlife

Sustainable development/use resources

- Sustainable development & use of natural resources

Marine management

Marine development legislation & protection

- Protect underwater heritage too. (There was a plan to make wrecks 'ancient monuments')
- Need development in manx waters legislation
- Total ban of any exploration for oil/gas/aggregate

Appropriate marine renewable energy

- Off shore wind development where appropriate
- Tidal power to be actively employed

Fisheries

- Total ban of marine dredging for fishing to 3 mile limit

Blue flag beaches

- More Blue Flag beaches

3.3.3 Economic and human development (which is sustainable for people, culture and the environment)

What is already being done that would help deliver the goals of Biosphere Vannin? (by government, business, NGO's, communities, citizens)

Sustainability plans & vision

Business/community sustainability plans & partnerships

- Businesses want to help to maintain conservation & make sustainable place for everyone in areas where we live & work
- Support for EcoVaninn, the joint venture between DED, DEFA, MUA, IOMFOE, ZWM and MEAC – aimed at generating & celebrating sustainable activity to support environment, economy & community
- Support DED's participation in SMILE – Gov, an EU initiative helping Island communities develop sustainability plans
- Support '20:20 & Beyond' forthcoming arts competition inviting local artists to 'vision' a sustainable future for on Island – with DED & Sayle Gallery

Land & marine management & development plans

Development plans to include public participation

- The prep. & operation of development plans which include public participation and are used to guide development to the most appropriate locations

Community woodlands

- Community woodland developments – volunteers, public/private partnership/education (IOM Children’s Centre/IOM Dept. Education etc.)

Unrestricted nature

- Increase in community & family use of ‘unrestricted’ nature. Marketing of this use and its ongoing support

Green emphasis on agriculture

- Further promotion of manx agricultural products – green emphasis & quality: improved revenue

Beach buddies clean beaches

- Beach buddies are cleaning beaches

Sustainable & renewable energy

- Some sustainable energy projects
- Expressions of interest in renewable energy

Clean-tech & motorsport sustainability

- Contradiction between sustainability and major tourism activity associated with motorsport
- Using IOM motorsport to stimulate clean-tech and sustainability

How could that be strengthened and enhanced?

Research & better protect designated sites

- Better designation of protected sites. These need researched & designated so that they can be protected

Co-ordination & engagement

Coordinated engagement of business/government/IOM public

- Better co-ordination between business/government/IOM public – to deliver objectives
- Establish stakeholder groups

Raise awareness, co-ordinate opportunities

- Knowledge of opportunities to be able to deliver
- Raise awareness of opportunities & co-ordinate

BV needs full resources incl. full time post for engagement to groups/business

- Biosphere Vannin needs to be fully resourced – e.g. person in full time post to do engagement & fund raising – (linking all these groups together) to ensure local businesses are sustainable & contribute to the aims of B.V.

Change in values (culture, economic, business)

Change in attitude – culture of responsibility

- Establishing a change in attitude, a culture of responsibility – all must be lead from the front learning to ‘take risks’

Promote circular economy

- Promotion of the circular economy which is the manufacturing & production of goods with intent to reuse/recycle the whole of the component

Encourage businesses to green audit/C footprint

- Encourage business enthusiasm for green auditing/C footprint, etc.

Recycling & waste management

- Waste management recycling/export costs

Stock local produce

- More pressure put on UK companies to stock local produce i.e. Tesco & M&S

Promote sustainable/renewable energy with financial incentives

- Promote sustainable energy with financial incentives for truly low carbon programmes
- Pragmatic approach to ‘low’ carbon energy
- When technology is tried and tested look to develop tidal energy resources in a sustainable way

Encourage green architecture & low carbon building materials

- Encourage ‘green’ architecture
- Low carbon building materials. “Larch”

What else needs to happen?

Review IOM strategic plan & designation of protected sites

- Proposed review of IOM Strategic Plan to include environmental issue
- When a full review of the Strategic Plan is undertaken all policies can be looked at. The environmental policies contained within the plan are fit for purpose. More work needs to be undertaken by Gov. & others on the designation of protected sites

Prioritise environmental & social considerations/business – zero CO²

- Prioritisation of environmental & social considerations as opposed to inefficient & out dated metrics of GDP growth
- Encourage sustainable business practices i.e. emissions

Ensure social inclusion & social benefits

- Need to ensure social inclusion
- Reduce reliance on others, question what you what doing & why?
- Co-ordinated policy to upgrade energy efficiency of social housing to improve environment and, more importantly, deliver social benefits to tenants

Create credit unions & household budgets

- Assisting households make best use of money i.e. the creation of credit unions

Children’s play - sustainable future

- A sustainable future needs to include children’s play. By creating an Island that embraces the most natural drive children have to ‘play’ we will create an island unique to the world and who wouldn’t want to bring their children here?

Environmental grants for all land managers

- Environmental grants need to be available to all land managers, not just restricted food producers

Funding

- Funding!

3.3.4 Environmental Education

What is already being done that would help deliver the goals of Biosphere Vannin? (by government, business, NGO’s, communities, citizens)

Environmental & cultural education

- Would like it to say environmental & cultural education (2 people = same comment)
- Culture Vannin, MNH, DEC, CMS (Centre of Manx Studies), IOM Arts Council – all working in different ways to promote & educate aspects of manx studies, culture & the arts
- DEC/DOI environmental education work (educational website – Ecomann)
- Manx Wildlife Trust – Biodiversity Education Officer <1>
- A lot of work already being done in schools
- One sided agreement prevalent in education
- Appreciation of the environment is promoted through the churches

Engage public more - use govt knowledge/enthusiasm

- There is potential to use govt knowledge & enthusiasm to engage with the public more

Manx bird population survey

- Manx Bird Life are 8yrs into a repeat survey of bird population of the IOM – needs to be analysed & published

Not enough

- Not enough!

How could that be strengthened and enhanced?

Communicate & recognise knowledge & skills

- Getting knowledge across
- Recognition of knowledge & skill in the people on the IOM
- Recognition of the work already done & the means of communicating to a wider audience
 - need a place where to send your info to (also vision)

Give both sides as evidence does stack up

- Give both sides of the argument bec. evidence does stack up one way or the other - WRT global warming & energy management in particular

Prioritise

- not seen as a priority in most jobs (govt)

Education & culture

More long-term funds/staff for educational & cultural activities

- Making sure we had long term funding for BEO post (Biodiversity Education Officer) <1>
- More funding for educational & cultural activities (2 people = same comment)
- More staff resources
- Higher education to be included
- Through primary school

Increase marine education

- there is little Marine education, despite 80% of the IOM being territorial seas – we need to increase the education in schools to cover this

Enhance children’s environmental understanding

- For children to be enhancing their environmental understanding there needs to be a greater emphasis on encouraging children to play unsupervised in these environments

New economics for a environmentally sustainable future

- IOM Business School running courses in new economics/finance for a sustainable future/ the new products for ecosystems funding
- Develop carbon accountancy/environmental accounting expertise

What else needs to happen?

Clear environmental & education policy

- Clear policy with a way forward with E.E.

Appoint environmental training body

- Appoint environmental training body or owner

Promote as destination for environmental & educational field trips

- Promote IOM as a destination for environmental & educational field trips. Use the IOM College HE structure to build strong links

Ecological demonstration unit

- Use Knockaloe Farm as a ecological demonstration unit

Facilitate children in the ‘here & now’

- Greater facilitation for children in the ‘here & now’

3.3.5 Research and Training

What is already being done that would help deliver the goals of Biosphere Vannin? (by government, business, NGO’s, communities, citizens)

Research & data

Biosphere Reserve baseline research

- Baseline research for measuring success of Biosphere Reserve

Recording/collecting natural history data

- Various groups are recording & collecting natural history data, data about wildlife

Designation & protection

- Areas of the landscape are designated such as ASSI’s

Marine

Manx marine environmental assessment

- Manx Marine Environmental Assessment

Marine expertise & biological centre

- Loss of marine expertise as ex-students/lecturers from the centre of marine biological centre get older

Agri-environment scheme

- We used to have an agri-environment scheme

Experience activity in nature

- Opportunity to experience activity in nature

Education & awareness – resources/training & outreach

- EcoVannin (a JV between DED, DEFA, MUA, IOMFOE, ZWM and MEAC) has an education & awareness thread among its 8 threads
- Online resources (environmental & cultural) provided by DEC for education 4-18+ (CofE), plus Eco-Schools
- TCC is offering some 'play' training to professionals to improve opportunities for children
- IOM Arts Council educational outreach

Finance for environmental sustainability

- Workshops for finance sector on products & skills fore 'finance for sustainability' as we are way behind the UK & other centres on this growing area
- Develop skills in environmental & carbon accounting

Cultural development work & resources

- MNH work with local schools to help increase understanding of our cultural heritage and encourage the younger generations to be the future guardians
- Research by Centre for Manx Studies (Univ. Liverpool) into aspects of human interaction with the landscape, history, culture, etc.
- Culture Vannin development work in key areas such as Manx language, music, dance, folklore, history, etc.
- iMuseum provides fantastic research resource

Visitor market research & funding

- Visitor market research underway to better understand activities carried out by visitors i.e. active market pursuits – needed for future funding

How could that be strengthened and enhanced?

More areas urgently designated

- More areas need to be designated urgently
- Designation of important sites needs to be moved forward – lots of work out there

More baseline wildlife data to know what we're losing

- We need more baseline data about wildlife because we need to know what we are losing

Coordinated & funded research programme

- We need a coordinated research programme (with funding in place) to avoid duplication and to ensure key areas are covered

Record marine expertise & knowledge

- Voluntary sector or Government need to record expertise in marine knowledge for future use

Agri-environment scheme funding & benefits

- We need funding for an agri-environment scheme
 - Engagement with farming & monitoring of farmland
- Need an agri-environment scheme that actually delivers env. Benefits

Education & engagement

More education & engagement with designated areas

- Currently designated areas need more education & engagement with wider public

Learning experiences in nature

- Maximise opportunity to create long term learning experiences, combining activity in nature and a reflective approach to 'education' – providing real experiences for individuals to 'take risks' at their own 'level' and learn from those experiences

The right to play

- Greater governmental focus and acknowledgement of the UNCRC- Article 31 (the right to play)

Educational resources for cultural heritage

- Ensure existing resource to allow schools to understand/learn about cultural heritage is preserved

What else needs to happen?

Monitor health of designated areas

- The health of designated area needs to be monitored

Fund appropriate scientific research

- Funding for 'appropriate' scientific research

Need a biological records centre

- We need to have a biological records centre

Impact of climate change

- Clear & measured appraisal of the impact of climate change
 - Which species are most valuable
 - Where will flood regularly
 - How to strengthen infrastructure against stronger storms?

Fund agri-environment schemes

- New funding for Agri-Environment Schemes

Education & awareness raising

Fund teacher training (environmental/cultural)

- Funding for teachers to attend training of none core subjects (environmental/cultural)

Realistic incentive for engaging others in experiencing nature

- Realistic incentive for personal active development for those engaging in and leading others in experiencing nature (not financially driven) i.e. teachers in schools, decision makers of all levels in Govt.

3.3.6 Public Engagement

Ask Diana about this

What is already being done that would help deliver the goals of Biosphere Vannin? (by government, business, NGO's, communities, citizens)

Involvement & engagement

Encourage public involvement in future development plans

- Prep of the development plans encourage public involvement in the future development of the Island

Community & group involvement

- User group/volunteer involvement:
 - Mountain bike trail building – work parties
 - Green Lane User Group – work parties
- Green Lane User Group – (GLUG)
- Agricultural show – forum for many diverse groups & public

Partnerships with business/NGO's

- DEFA/private sector projects:
 - Ape Mann
 - Segway Tours
 - Laser Mayhem
 - EcoVannin
- MNH work with corporate volunteers to improve habitat, built heritage, footpaths etc.

Manx Wildlife Trust

MWT – wildlife & marine events & activities & education

- MWT – public events e.g. rock pooling, pond dipping etc.
- MWT activities for wider community
 - Visitors e.g. beach cleaning, nature festivals, walks & talks
- MWT volunteer schemes e.g. midweek muckers
- MWT – Wild Flowers of Mann project helps people create their own wildlife areas
- MWT various marine activities e.g. small shark tagging scheme for local anglers marine mammal strandings
- MWT – interpretation boards, binoculars, for education re: coastal wildlife
- MWT – 2 visitor centres – Ayres & Scarlett
- MWT – Ramsey Forest Initiative

Leisure & tourism engagement & promotion & opportunities

- DED Tourism promoting active market pursuits, walking, hiking, dark skies, mountain biking. Engaging with all such clubs & supporting/developing opportunities e.g. Go Ape, plantations, for local use know & for tourists

Culture & heritage education & resources

- Refer to statement on Environmental Education page 1 question 1 – this applies for cultural engagement. Strong online presence through learnmanx.com, manxmusic.com, culturevannin.im etc.

Long term habitat management & improvement & research

- Long term management, research at the Ayres NNR
- Long term habitat improvement work within the uplands – tenant lead, Govt assisted by DEFA

Regeneration

- Town & village regeneration works

How could that be strengthened and enhanced?

Information & education

Develop IOM specific culture & education exam

- Move from GCSE to IGCSE – exam boards will develop specific exam for IOM – aim of involving/offering to all secondary schools. Culture/language & history would be included. Timely opportunity now when future exams systems being reviewed

More information & activities about wildlife areas

- More information about the existing areas managed for wildlife i.e. signage, interpretation boards & educational walks

Involvement

Involve, empower & communicate with the public - ambassadors

- Further use of social media to publicise opportunities for public involvement
- Better understanding from the public of how & when to get involved
- Create can-do atmosphere, supported where necessary, for people to feel that they can take projects forward themselves without requiring a govt lead/new officers
- Local people promoting what we have – becoming ambassadors
- For DED – most complaints/comments come from locals – often a perception not reality of situation

Equal voice to all

- GLUG – equal voice – give equal voice to all parties
- Green lanes classed as Class 4 road so no restrictions on users & no protection of lanes (horse riders)

What else needs to happen?

Communication, awareness raising, tourism

Tourism market research

- Market research – just commissioned (by DED Tourism)
- Need to know why people come to Island & how many – help identify future areas for development

Build relationships & networks with off-island groups to raise awareness - ecotourism

- Build relationships with off-island groups & publications to raise awareness, strengthen networks (Transition, Permaculture, eco-tourism)

Communicate benefits & create roadshow

- Explanation of the benefits (& the potential negatives) need to be transparent and honest
- Concrete examples of what has happened elsewhere & what is achievable in a manx context (Local Authorities)
- Creation of a Roadshow to engage with communities & need to generate interest & enthusiasm with reps from full spectrum of involved parties

Visible encouragement by decision makers

- Visible presence of encouragement by decision makers & land management

Engagement

Engage all land & water safety management stakeholders as to benefits

- Engagement by all stakeholders engaged in water safety management as to benefits of encouraging increased water use
- Engagement by all stakeholders engaged in land safety management as to benefits of

- encouraging increased land use
- Moving from can't do (due to safety concerns) to can do when real risk of engaging in outdoor activity is factually explored

4 Zoning - what is compatible with each zone and what is not

4.1 Land & Marine

4.1.1 Core

Each groups work is colour coded so the work from one group can be traced throughout the following text.

Group 1, Group 2, Group 3, Group 4, Group 5, Group 6

Compatible	Compatible with management	Not compatible
Access & Recreation		
– Recreational visits	– Access & recreation	– Any off road vehicles (bikes, cars, 4x4)
– Accessibility may be difficult. Can we make them more accessible?	– Public access	– Heavy use greenways by motor vehicles, 4 wheel drive/motor-cross
– Calf of Man public access	– Leave it as I found it	– TT
– Existing levels of access	– Orienteering	– Uncontrolled public access
– When children can be children, play like school playgrounds are open during school holidays	– Geocaching (treasure hunt with GPS, children's, University accreditation? Students visit BR to obtain points)	–
–	– Wild camping	–
–	– Dark Skies tourism	–
–	– Outdoor tourism, walking, kayaking, climbing	–
–	– More intensive use or improved outdoor access	–
–	– Car parking & picnic areas	–
–	– Dogs	–
–	– Honey pot spots (Curraghs)	–
–	– Example New Forest	–
–	– TT, Curraghs	–
–	– Off road vehicles with control	–
–	– Public access i.e. motor-cross	–
Cultural Connection & Engagement		
– Virtual/online engagement, all aspects to be encouraged (culture, history, environment, land & seascapes). Education & documenting	– Connection with historical landscape (national monuments, archaeological sites etc)	–
Education, Research & Documenting		
– Education & research	–	–
– Educational activities (unobtrusive activities)	–	–
Foraging & Usage Courses		
–	– Foraging & usage courses, wild food gathering i.e. wild mushrooms (protect protected species)	–
Fisheries		
– Use of core areas as nurseries and/or reseeded of commercially	– Use fisheries knowledge to ensure the correct marine areas are 'core'	– Unsustainable fishing (take)

valuable species			
– Fish production	– Recreational fishing/low impact marine harvest	– Intensive fishing	
–	– Sustainable fishing	–	
Energy			
– Renewable energy projects	– Renewable energy projects	– Drilling for oil & gas	
–	– Sustainable fuel sources (e.g. willow coppicing)	–	
–	– Drilling for oil & gas	–	
Core Zone Management – Wildlife & Conservation			
– Dedicated spaces for wildlife & conservation	– Monitoring	– Uncontrolled management	
– Diversification	– Use science to decide the core areas	–	
– Eco system services	–	–	
– Conservation reasons	–	–	
– Not enough public information covering core zone types	–	–	
– Interpretation with it including supporting infrastructure	–	–	
Agriculture & Land Management			
– Recognition that agriculture has created core zones	– Agriculture	– Drainage e.g. for agriculture	
– Carbon sequestration & storage	– Farming	– Farming	
–	– Land management	– Agriculture free for all	
–	– Uplands continued practical management	– Intensive farming & land management	
Forestry			
– Deciduous woodland	– Forestry	– Upland heath tree planting	
Coppicing e.g. skills & crafts			
–	– Coppicing .e.g. skills & crafts	–	
Transport			
–	– Transport planning towards reducing emissions due to climate change	–	
Infrastructure & Development			
– Infrastructure – existing to support habitation & businesses	– Climate adaption works e.g. flood management & drainage schemes	– Infrastructure & development	
–	– Essential infrastructure e.g. sewerage treatment	– Housing development large scale	
–	– Infrastructure products	–	
–	– Small scale development may be acceptable, special conditions	–	
–	– New infrastructure	–	
Industry			
–	–	– Marine aggregate extraction	
–	–	– Marine dredging for aggregates	

4.1.2 Buffer

Each groups work is colour coded so the work from one group can be traced throughout the following text.

Group 1, Group 2, Group 3, Group 4, Group 5, Group 6

Compatible	Compatible with management	Not compatible
Agriculture /land management		
– Active Land Management to	– Sensitive planting (carbon, food	– Intensive Agriculture

improve habitats, carbon sequestration	production)	
-	- Good for environment, looks good & is edible	
-	- Environmentally friendly agricultural techniques & forestry & ?fishing	- Placing restrictions on agriculture which affect viability
-	- Agriculture	-
-	- existing currently compatible	
-	- Opportunity for enhanced sites with more management e.g. agri-env.	
-	- Traditional (non intensive) agriculture	-
-	- Land drainage around Sulby valley (yield of land v. environmental issues)	-
-	- Coastal erosion management	-
Forestry		
-	- Forestry silviculture	- Placing restriction on forestry & affecting resources
-	-	- Afforestation
Skills		
-	- Diversification of rural skills	-
General recreation & tourism		
-	- Outdoor leisure	- Increasing wildlife 'tourism'
Recreation – land		
-	- Coastal footpath	- All these need codes of practice & awareness of them & education about what they are:
	- Bird watching	- Heavy public (large scale) access e.g. above 300 people
	- Horse riding	
	- Walking	
	- Visiting Historical Landscapes – heritage tours management - MNH	
	- Dark sky sites	
	- Mountain biking – codes of practice	
	- Off road motorsport	
	- Motorbiking	
	- Hunting (shooting & fishing)	
-	- Children's accessible areas	- More walking tourism
-	-	- Use of green lanes
-	-	- Heavy use of green lanes
Heritage & tradition – access		
-	-	- Maintaining heritage & tradition access allowed
Mineral/aggregates extraction		
-	-	- Mineral extraction with management
-	-	- Mineral extraction
-	-	- Marine aggregates dredging
Recreation – sea		
-	-	- All these need codes of practice & awareness of them & education about what they are:
	- Bird watching	
	- Beach buddies/cleaning	
	- Parasending/paragliding	
	- Sea & beach angling	
	- Diving/snorkelling	
Fisheries		
-	-	- Commercial fishing
-	-	- non towed gears
-	-	- Sustainable fishing
-	-	- Unrestricted fishing
-	-	- Heavy fishing
Development & industry		

- Infrastructure needed to supply/support people, business living in area	- Infrastructure & development - Env. Impact Ass.	- Residential development on green sites
-	- Compliance with strategic plan	- Industrial development on green sites
-	- Any development with core areas in mind	- Heavy industry
-	- Planning conditions	-
-	- Development – small scale	-
-	- Infrastructure needed to support/supply people living, businesses in core areas	-
-	- Using appropriate industries for control	-
Military		
-	-	- Military exercises
Interpretation/education		
- Online engagement/virtual	-	-
- Both contemporary & historical	-	-
- All aspects of culture & environment	-	-
- Inaccessible places	-	-
- Educational resources	-	-
Energy		
-	- Green energy	- Wind farms on island
-	- Increased renewable energy	- Offshore hydro carbons & fracking
-	- Micro hydro, solar & onshore wind & tidal	-
-	- Fracking	-
Designation		
-	- Looking at designation for new areas	-
-	- Increasing marine core areas	-
-	- Buffer zones need to only surround cores	-

4.1.3 Transition

What can be done to help sectors enhance their sustainability?

Sustainability & Biosphere – what/how/why/benefits?

- I don't know what is meant by sustainability & how we measure it.
- What are we trying to sustain
- Use of the term 'sustainability' means lots of things – clarification required
- We are asked to do this but what are the practical benefits of the Biosphere?
- Will this be perceived as necessary & viable

Process

- It's like starting at the 3rd chapter & we haven't read the first two

Climate adaption across Island & sectors

- Climate adaptation across the island and across sectors
- Climate adaption across the island and across all sectors
- Hope it goes going to be all 3:
- 1. Financial
- 2. Environmental
- 3. Social

Sustainable social policies & inclusivity

Social Inclusion e.g. wealth, time

- Social inclusion – lots feel excluded, wealth
- Household with 'only 1 car' e.g. of how can feel excluded
- People with availability issues can feel excluded

Social policies to assist sustainability

- Social policies – there are none will assist with sustainability

Active Lifestyle

Active lifestyle

Co-ordinated use of different approaches

Co-ordinated approach, working together, joint ventures

- Sectors need to be co-coordinated in their approach & what it means to each
- EcoVannin – joint venture DED. Enhance eco, socio, enviro – needs funding & support
- Working together to enhance environmental cleanliness
- Better joined up. people working individually – then more sustainability will be achieved
- Involving industry in govt decisions

Solutions & support - finance & schemes?

- Access to solutions (nowhere to go at present)
- Financial & schemes
- Support (but not ideally financial support) – solutions not reliant on outside financial support

Develop & use simple strategies for self assessment

- Develop/use/nick simple strategies for self assessment (e.g. like the tourism providers self-check list, they are also assessed)

Want people to be relaxed & stay around

- From a comfort perspective – so that people are more relaxed, spend, transact
- Don't want people rushing in to shops rather you want them to stay around

Carrot & stick approach

- Carrot & stick approach – make it easier & penalise if behaving in a non-sustainable way

Flexible thinking by Local Authorities

- More flexible thinking on the part of local authorities

Education & involvement

Educate & explain & involve public about wildlife & conservation

- Need more explanation from people encouraging wildlife & conservation & need to involve the general public more
- Greater involvement & education
- Education – all of us to be educated about what we've got & sharing that knowledge
- Education

Economic sustainability & environmental/community priorities

- Shouldn't prioritise the economy over the environmental & community/society
- Home grown sustainable economies
- Economic development requires sustainable development/change
- Economic sustainability – it should be the primary priority. Gives us the luxury to invest elsewhere

Energy champions

- Energy champions needs to be reinvigorated

Environmentally sustainable business

Clean tech centre

- Could be a centre of expertise for clean tech

Ecotourism potential

- Potential for ecotourism

Zero carbon business & CSR

- Environmental sustainability – how can a business have a better/lower carbon footprint, recycle, how our energy recycling can be greener
- Some businesses encouraged by 0 carbon, ISO 14001, they recycle etc.
- Publicise good examples of CSR (corporate social responsibility)
- Business support for community engagement
- Crucial that businesses are taken seriously (at least they feel this at local & central)

Local procurement

- More local procurement

Sustainable land & marine management

Forestry

- Increase forestry as a resource e.g. biomass/solid wood biofuel & amenity planting

Sustainable verge improvements

- Verge improvements done sustainably

Allotments & local food

- Allotments – provide local food

Agriculture & subsidies

- Ag support based on farmers providing measureable env. Benefits

- AE Scheme needs to be reinstated & funded, at present no scheme & no funding
- Agri-environmental scheme needs proper funding
- AE scheme needs to show (quantifiable?) results
- Is in safe hands
- Agricultural support is still key to survival of agriculture throughout Europe
- Agriculture is primarily about food production & integral to what is management of the countryside which will ensure viable sustainable industry, community & environment

Clean water & beaches,- no sewerage discharge/fertilisers

- Fertilisers, clean beaches
 - Less intensive methods
 - But need to consider their efficiency
- Pursuing the IRIS to the bitter end
 - No sewerage discharge

Protection & Legislation

- Degree of protection to support IOM
- Appropriate legislation required e.g. territorial waters
- Protect sea shores

Mineral resources & natural extraction

- Hot topic – natural extraction
- Resources – mineral – what are they, where are they?

Sustainable fisheries

- Continue & enhance dialogue between fishing communities & environmental agencies & general public... telling their sustainable story
- Restrict number of non-manx vessels that can fish in manx waters

Ecological & sustainable building development

Encourage ecological low carbon buildings & materials

- 75% of global CO₂ comes from buildings architects can change that if low carbon housing were encouraged
- Planning & building control to encourage ecological building & local building materials

Ease off constraints on sustainable measures

- Ease off on constraints on sustainable measure e.g. solar panels

Subsidise insulation & renewable energy installations

- Subsidise insulation of buildings
- & subsidise renewable energy installations for buildings

Development - design in environmental gain & control new builds, mansions

- Any development in countryside (roadwork, buildings etc.) need to design in environmental gain
- Constrain & control new buildings in the countryside e.g. mansions

Recycling & waste awareness

Centralised & kerbside recycling & education

- Recycling facilities – to raise awareness & make it easier. Kerbside collection – there isn't an awareness
- Local recycling & min. of waste
- Better public education/awareness on recycling
- Centralised across-island targets for waste recycling

Sustainable transport

Cycling

- Improved cycling facilities
- Cycle network
- Educate cyclists on road skill & etiquette
- Educate drivers on cycle safety & cyclist awareness

Encourage car sharing

- If work hours were not staggered then this would encourage car sharing

Quick charge electric vehicle network

- Network of quick charge electric vehicle points

User friendly buses

- User-friendly bus drivers

5 Mapping

5.1 What do you like about the map?

Each groups work is colour coded so the work from one group can be traced throughout the following text.

Group 1, Group 2, Group 3, Group 5, Group 6 (Please note – group 4 – no info)

Core zones

- Clearly identifies core areas
- Most of the core zones

Buffer zones

- A good level of buffer, this is positive
- Some of the buffer zones around the core zones

Walks

- Like the walks are within buffer zone, as promotes management

Hill management compatible with nature conservation

- Having Government hill area in a buffer area, as promotes management compatible with nature conservation

Colours

- I like the colours

More detail

- Needs more detail for the public

5.2 Suggestions for improvement

Each groups work is colour coded so the work from one group can be traced throughout the following text.

Group 1, Group 2, Group 3, Group 4, Group 5, Group 6

Map

Scale & detail & consultation

- Need more detailed map & consultation on it
- Map not detailed enough
- Snaefell should be on the map
- It needs the whole territorial sea on the map
- Too intricate
- More landmarks & signposting i.e. Uplands
- Scale
- Provide a key on the map to ID the different protected areas and the different levels of protection
- Good visual representative but highlights nobblyness
- Split in 4 and expand, add further annotation
- Simpler boundary designation
- Need clarity on the transition areas – contours
- Resolution of map makes it difficult to interpret accurately the areas covered

Points of accuracy & clarification

- Point of Ayre is not designated (point of accuracy)
- Langness incorrect designation – is not fully protected as private land
- Re; the airport, - why is it in the zone?

Zones

Understand zones

- We need to understand the rationale why these zones have been determined
- What do buffer zones mean?
- Need a clearer definition
- Clearer definitions of zones (what do they mean? e.g. buffer)
- Explanation of core zones

- All depends on our understanding of buffer zones
- Can we call the zones something else? e.g.
 - core – go with extreme care;
 - buffer – go with care;
 - transition – live daily life
- Overall consistency when deciding zones in relation to their application onto the map. Red because of this criteria etc.
- A list (detailed) would have helped
- Conservation (Building) not mentioned in description
- Buffer doesn't preclude activity & development
- Core doesn't preclude activity providing it is sustainably managed

Core zone suggestions

More & extended core zones

- We would like to see more core designated (5 people agree with this statement)
- Would like to see the existing core extended subject to qualification/suitability
- All core have a buffer zone

Buffer zone suggestions

Walking areas

- Expand more walking areas to be in buffer zones

Habitat Corridors

- Include habitat corridors

Rough Grass

- We would like to consider encouraging a "rough grass" buffer zone between heather moorland and improved grassland

Transition zone

- Transition: there are two parts of the transition that could be amended
 - The word transition suggests movement and its not easy to be comfortable with that – it implies change
 - Nervous about hatching around Douglas – Onchan, as there has been an expansion of the urban

Suggestions & comments

Glens

- Glens have been on a designation basis rather than individual evaluation
- Assumption that all glens are the same but they are not – some should be core status, whilst others buffer

Overlay with marine & coastal consultation

- Is this map going to be overlaid with the marine and coastal consultation (wrapped up last year)

Urban expansion & town centre conservation

- Urban expansion has been ongoing and unrestrictive, are these days behind us?
- Town centre conservation

Designation, protection & policing areas

- Have flexibility to designate or re-designate areas on scientific basis
- Some of the blue buffer areas could do with being policed better e.g. green lanes
- Opportunity lost in Port St. Mary, issue decline of red harbour area, not sufficiently protected
- Currently protected areas already require protective action, therefore I am reluctant to suggest any extension (3 people agree with this statement)
- Highlights that only small part (too little) of marine 12-mile limit is designated as protected. Also very little 3 mile limit area
- IOM not a bubble – need to think bigger scale as well e.g. a Pan-Irish Sea approach for fisheries management outside the 12-mile limit as our fish stock depends on recruitment from outside

Communication with stakeholders re: implications

- Areas adjacent to long distance paths/tourism routes (e.g. railways) & also river are discussed as potential zones with landowning sectors with regard implications
- Are there land ownership issues surrounding the zone designation?
- However these areas end up, if the core, buffer & transition don't complement conservation/environment alongside commercial activity/building/housing

Process

- Concern about being 'qualified' as an individual to put a line on a map

- There is a very slight sense of being bounced
- Coming in after the show has started
- Consequence is a reluctance to hand out opinions
- This is an impression people have not a moan
- Would have helped to have clear explanation of map at start of session
- Don't know enough of the facts

5.3 What changes do you want to suggest?

Each groups work is colour coded so the work from one group can be traced throughout the following text.

Group 1, Group 2, Group 3, Group 4, Group 6 (Please note - Group 5 - no changes suggested)

Group 1

Number in Group: 3

Line code	 Benefits of this change and why here?	 Disbenefits of this change why not here?	Number who support this suggestion
1	Steam railway line as buffer for tourism & beauty		3

Group 2

Number in Group: 5

Line code	 Benefits of this change and why here?	 Disbenefits of this change why not here?	Number who support this suggestion
1	(Manx) wildlife sites & private reserves should be in the core area		5
2	All favourable upland sites should be core area (northern)		5
3	Druidale Farm should be buffer zone		5
4	Southern uplands should be in core area		5
5	Glen Rushen should be in buffer zone		5
6	Private reserves should be included in buffer or core		5
7	Marine Protected Zone should be core zone		5
8	All freshwater (rivers and bodies) should be in the core, river corridors important for wildlife		5
9	Whole of 3-mile should be in buffer zone		3
10	Agricultural land should be in the buffer zone		1
11	All public rights of way should be listed or marked on the map		5
12	Northern hills should be in buffer zone		5
13	Intertidal zone should be duffer zone		5

	where appropriate (rocky shore & sandy cliffs)		
14	Need more clarity on the core areas of the Langness ASSI – mean low water spring		5

Group 3

Number in Group: 6

Line code	 Benefits of this change and why here?	 Disbenefits of this change why not here?	Number who support this suggestion
1	Richest area for marine life – make red core	Very good & favourite fishing area for scallops	4
2	3 mile zone marked as blue buffer. Better management of the area e.g. fisheries e.g. control number of fishing boats from outside or large boats & general better control of resources using science to decide zonation	Would upset other jurisdictions if we restrict access to fishing grounds. Needs to be a way for the different user groups to appeal zonation definition & difficulty of policing. Have VMS data but can't be used in court – change the law so VMS data could be used in court. Lack of government funding for policing fisheries.	6
3	TT course is important cultural heritage & asset for TT TV coverage	None	6
4	Core - Horse mussel reef rich habitat Good nursery area for fish/creatures/scallops	No – as not currently fished- it's in a barren area	6

Group 4

Number in Group: 6

Line code	 Benefits of this change and why here?	 Disbenefits of this change why not here?	Number who support this suggestion
1	Sustainable fisheries, Clean beaches (Blue Flag) 3 mile limit mapped to buffer)	No evidence to support the need. Downgrades land transition. Cost of regulating. Restrictions by non-regulator BV	4
2	Planning Conservation Areas include as buffer i.e. architectural, some level of designation as other areas. Already exist & already regulated		6
3	Disused railway track should be in buffer by definition on map		6
4	DEFA Glens & Plantations, they are all buffer should some be core subject to further assessment		6
5	Douglas bay not buffer due to whey discharge to sea (give whey to pigs) Unique marine ecology		6
6	National Monuments already MNH sites – Core designated recognition Man & Biosphere i.e. Laxey Agneish		

	corridor, Tynwald Hill		
7	Areas planted by Ramsey Forest initiative to create forest long gone. Protect as we create increasing biodiversity & Green Lanes of Island. Clean water, prevent flooding		6
8			
9	All Parks & Nature Reserves i.e. Ramsey Mooragh, Poyll Dooley, Silverdale, All Glens i.e. Colby Buffer Advantage increase biodiversity including in towns, increase awareness		6
10	Core - Shipwreck/marine special sites		6

Group 6

Number in Group: 5

Line code	Benefits of this change and why here? 😊	Disbenefits of this change why not here? ☹️	Number who support this suggestion
1	Recognising Sulby Glen as a core area – area of outstanding natural beauty		4 ½
2	Not buffer – transition area	Seems irrelevant	4
3	Is it core? Should be, if it isn't. Should be consistent		5
4	Not core?	It's an airfield/traffic...	n/a
5	Are all the glens included? Colby glen not included		5
6	Clarification of core		5

6 Ongoing involvement

6.1 Benefits of working together for the Biosphere Vannin

6.1.1 What benefits could working together bring?

Each groups work is colour coded so the work from one group can be traced throughout the following text.

Group 2, Group 3, Group 4, Group 5, Group 6 (Please note – only 5 groups so no group 1)

Success & increased social capital & sense of community

- Better chance of success
- Greater social capital
- Sense of community & understanding
- Symbiotic relationships
- Synergy
- More understanding
- Generate enthusiasm

Agreement on the way forward

- It could give us an agreement on the way forward
- Moving from tactical decisions to strategic decisions & from short term to long term thinking
- Shared knowledge is mutually beneficial by giving us a broader perspective which would then give us an agreement going forward
- By coming together at events like this share ownership of ideas and ideals
- One vision
- Shared vision (1)
- (1) agreeing what targets are of Biosphere
 - Greater clarity about what trying to achieve

Reduces silo mentality

- Reduce silo mentality
- Less opportunity for different organisations to work counter to each other

Good communication

- Communication needs to be good/understanding
- Communication & resources

Increases efficiency & stops duplication

- Efficiency & effectiveness
- Can get some efficiency savings, less duplication
- Stops duplication
- Prevents duplication by talking to each other
- Less mistakes
- Be quite sure of gains

Working together & individually for a common goal

- Working together for a common goal
- Co-ordinated effort – currently disparate activities
- Knowing who is doing what
- Advantages in working together & as individuals
- Manage assets individually

Cost effective, pooled resources, quicker results

- Cost effective – likely to be
- Cost saving/resource saving
- Pooled resources
- More efficient use of resources e.g. rooms & assets e.g. computers, staff
- Added value
- So much going on touches, economy of scale
- Quicker results
- Helps define the timescales to get things done

Build momentum

- Building momentum

Broaden scope

- Broaden scope of existing initiatives

Strength of numbers

- Strength of numbers
- Bigger critical mass

Inclusive

- More inclusive

Sustainable results

- Sustainable results & continuity

Share knowledge & skills

- Share knowledge
- Bigger range of experiences & skills & knowledge available for the project
- Shared/transferable skills
- Sharing skills

Sharing information & research on island with public

- Getting information out about research done on the Island to the public

Networking,

- Good networking
- Advantages all invited today bringing knowledge & links for persons who may have a role in it
- Identify people who work with you

Scrutiny, question, debate, diverse ideas & opinions

- Self scrutiny
- Chance to debate & question
- Help identify different opinions
- You get a diversity of ideas and opinions
- Identify opposites to BV (Biodiversity Vannin)
- Identify challenges need to overcome
- Understanding perspectives to alleviate problems
- Pros & cons need to be weighed-up
- Over-egg 'working together' – sometimes silo mentally can be quite good
- Bit of a fake term

Maximise BV resources & funds incl. project officer

- More effective lobbying about benefits of Biosphere to attain more resources
- May help maximise funding – so can get funding on a bigger scale for bigger action/projects – less fragmented and scattered
- With funding we need a project officer for the BVannin
- Currently the gov't says there isn't any money

Support BR & need more succinct info on benefits

- We should all be signed up to this to harness BR potential but concerned no-one can succinctly describe the purpose of BR. More background work needs to be done
- Direct v indirect benefits yet to become apparent

Planning designation good practice in consultation with stakeholders

- Planning – land designation
- DEFA may already be doing – for example:
 - Marine, Gov & industry need to work closer together
- Gov has legislated without consulting industry
- Example of what has worked well – Ramsey Marine Zone, analysed by experts on behalf of Gov.
 - The PO (Fisheries Producers Organisation) control that zone from scientific knowledge, fished 3% that area last year
 - Dredging not kind to env. i.e. 97% not fished
 - Bangor Uni. higher output per CPUA (catch per unit area)
- Certification becoming more of a friend. Is there going to be a benefit?

Marine wind farm development concerns re: species

- Wind farm off shore species development doubtful if WF have marine benefits concerned by values due to places

6.1.2 What assets and resources* might you/your organisation be able to harness for shared initiatives and shared outcomes?

* 'Assets and resources include: time, effort, energy, information, know-how, innovations, skills, funds, staff, volunteers, initiatives, places, networks.

Each group's work is colour coded so the work from one group can be traced throughout the following text.

Group 2, Group 3, Group 4, Group 5, Group 6 (Please note – only 5 groups so no group 1)

Possible assets and resources, offer:	Name of organisation or participant number (if participant wants a degree of anonymity at this stage)
Land	
- DEFA land estate – 27,000 acres	- 15 DEFA

- DEFA has land that could be used - DEFA / 37
- Land access – controlled - 55
- Flockmasters Association manage areas of heather upland that people can enjoy (1) -
- DEFA land estate as carbon storage/sequestration - 15
- (1) Highways, green lanes & footpaths for pedestrians only but more access needs to be managed better – conduct & n info policy, design standards - DEFA
- - 12
- - 54

Venues

- Venues for demos/education inc. Buildings for Bats etc. - 55
- 'open farm' access for demonstrations -

Education training & resources

- Training for teachers to deliver environmental education - 10
- Providing materials for teachers e.g. for “first class” (Intranet – DEC) & for public & education - 37
- Help with education - All
- Education from each different 'area'/perspective -

Awareness raising lectures & excursions

- IOMNH & Antiquarian Society – winter lectures & excursions could focus on BV – communication & awareness raising - 30

Communication & networks – community/groups/business/gov

- Good communication links with local community (volunteer groups & stakeholders) - 18
- - 17
- - DEFA
- Wider contacts: people to disseminate information -
- WI potential grass roots access for information and requests for help – a network, Island wide, grass roots can help with 2 way communication - 21
- - 14
- Help network Govt. business & green organisations (EcoVannin) – get parties to work together .eg. eco tourism - 35 (DEFA)
- Established relationship & working together to create something new - 39
- Link into a worldwide network of outdoor providers who already work on similar projects in their local areas & communities in a sustainable manner. This is a conditional offer on the clarification of the mapping queries & further information being made available. Evidence based decision making is imperative. - 1

Social media & app's

- Social media – info & awareness, data recording - 55
- Use social media to network groups -
- 'snow' – put on social media/lots of volunteers -
- 'apps' on phones -

Volunteers

- Volunteers for what ever needed - 14

– Provide voluntary assistance	–	
Enthusiasm		
– Focus on enthusiasm	–	
Voluntary land & underwater surveys		
– Voluntary surveys/labour/specialist underwater & land based equipment/survey	–	32
Wildlife expertise		
– Wildlife expertise	–	7 MWT
	–	16
– Monitoring service for birds	–	16
Expertise & knowledge & assets		
– Expertise & advice available	–	DEFA / 36
– Happy to/already share knowledge & expertise	–	
– Potential expertise in our own areas	–	1, 38, 39, 17
– Knowledge direct from government	–	55 – All
– People knowledge from all areas, both Gov & industry	–	17
	–	38
– Manx National Heritage – knowhow, existing research & data, land assets	–	33
Marine & land management		
– Management of 3 mile marine zone subject to agreement with DEFA	–	17
– DEFA hill shooting tenants providing skills, resources, time, labour, equipment	–	DEFA hill shooting tenant
Regeneration & project expertise		
– Expertise in regeneration & projects	–	24
Energy consultancy		
– Energy consultancy	–	50
Mapping systems		
– Mapping system	–	50
Construction expertise		
– Construction expertise	–	6
Previous consultations & strategies		
– Previous consultations& strategies & bringing them together	–	DEFA/ other gvt Depts.?
Finance & funding		
– Finance – targeted	–	32
– When approached provide funding for specific projects	–	
Time		
– Potentially more time but need more information, full buy-in, want to see action, knowing time spent outweighs benefit?	–	1
	–	38
– Time today	–	
– Current resource (man time) level could not be shared	–	
Initiatives		
– Initiatives	–	24
Tourism & leisure expertise, tours & guides		
– Help to develop heritage walking tours – happy to advise. Helping to connect people & places	–	10
– Expertise to develop local guides for e.g. snorkelling	–	10
– Local expertise in safe snorkelling	–	10
– Tourism	–	
Commitment queries & comments		
– Impossible to commit until organisation say	–	

- so
- Quite hard when you don't know what aims are
 - Resources scarce/can we give time to project?
 - Cannot commit to Gov. Asset
 - Can make organisation aware of asset
 - 70,000+ people not involved in groups
 - About managing what your assets are

6.1.3 How do you think people should be involved if the proposal is successful?

Each groups work is colour coded so the work from one group can be traced throughout the following text.

Group 2, Group 3, Group 4, Group 5, Group 6 (Please note – only 5 groups so no group 1)

Involvement

Stakeholder involvement in the next stage

- Involve different stakeholders in the next stage – in best practices & how they could contribute (e.g. businesses) to put the vision in place
- Look at what happening today
- People should have been more involved prior to designation/submission
- Don't alienate anybody/ be fully inclusive
- Everyone feels involved (part of) & informed
- Make sure everyone has been involved e.g. mopping up exercise, check no on has been left out
- Corporate involvement
- To get corporate involvement you need some "payback"
- Embrace & acknowledge the public perception
- People should be involved as much as they wish to be involved but needs to be informed involvement. Concise facts in order to make that decision which is how we have struggled today

Politician buy-in

- Politician buy-in

Sponsorship

- Sponsorship

Communication, information, marketing

Marketing & communication & community ownership

- Mobilise the public on the Island & engender support
- Involve government communications team
- Need to engage more broadly & increase community ownership
 - Not only in traditional way (2)
 - Through electronic media
 - Create 'virtual groups'
- (2) some people like traditional methods & ways of communicating
- If it's going to be a success, 95% people need to know about it or if nobody knows but it is happening is that a sign of success?
- Need everyone to understand that there is a designation & be aware of it with regards to marketing including off island
- More like a marketing/ branding exercise
- Selling it off island – exporting the message to get the value back in
- Make comments on assets e.g. like trip adviser but for outdoors, which would encourage tourists too

Champions & ambassadors

- Need a champion
- Champions & ambassadors trained to impart info on BV

BV might be a good tool

- BV it might be a good tool

Manager & point of contact

- Defined manager & point of contact
- Better co-ordination

Good management of volunteers

- Good management of volunteers – including C.S.R.
- Don't want to be involved in endless committees
- Signage

Use forums & networks & active groups

- Manx Conservation Forum – most active NGO represented so could be developed more. It was set up to be a forum between gov't & NGO
- There are many groups already active

Involve young people in management/planning

- Young people are now indoors watching computers makes them urban in their thinking:
 - It competing
 - So need to make it more attractive
 - Suggest schools get people out
 - Out of schools clubs – e.g. mtn biking, manx harriers
 - Encourage parents to bring their children out
- Involve schools in managing both practically/acting like eyes to observe areas of damage & usability
- Also involve young people in management/action planning for BV
- Beavers, scouts, cubs, guides, brownies & church groups: all groups that involve kids in outdoors
- Need to think about communication – social media/face to face/ children's' books
 - Involved through education
 - Better pride in Biosphere IOM creates better message goes back to their parents

Celebration events & national holiday

- Celebrate with a party/national holiday
- Ongoing events
- A 'living for the future' day
- "our island, our passions, our party" <35>

Demonstrate improvement

- Demonstrate overtime you have improvement
- Make sure work is continued in the future
- Not looking to preserve, looking to evolve

Sensibility check on proposal

- Make sure there is a sensibility check on the proposal

Provide enabling & empowering structures

- By providing the enabling & empowering structures

Manage areas through good practice

Monitor & manage areas & damaging activity

- Core areas need to be monitored
- Understand where people are going & why & open or close areas according to sensitivity
- Any activity damaging the environment & wildlife

Look at current good practice

- People are already involved in the uplands – if look at what people are already doing & manage from outset e.g. mtn bikes – to look at what done & managing better

Ramsey Bay

- 'Ramsey Bay' cited/time

Use current resources

- Some resources already exist e.g. Island FP map but not many people have it

6.1.4 What is the best way of engaging you/your interest (questionnaire)

When typing up found Group 4 also wrote info on an A3 sheet in response to this question... see below

Group 4

- Always come down to finance
- Financial gain could be for betterment of IOM
- Imposition of legislation & bureaucracy which may impact on financial viability
- Proper leadership (not necessarily political leadership)
- Common goal
- Good 'champion'
- Telling me that I can't do what I'm currently doing

Code	What communication, information and interpretation methods, materials and styles work best for you/your interest?	What type of activities work best?	What timing is most appropriate? (e.g. evenings, weekends, week day, time of year)	What else does the project need to know about this interest/sector or part of the community?	How do you yourself want to be involved after today?	What action or resources could you/your organisation offer, to help move things forward?
1	Face to face contact, discussion between relevant parties, email contacts	Face to face discussions	Anytime	-That fishermen do care for the environment - That zonation (core or buffer) must have a valid and scientifically based reason	I will provide knowledge of the fishing industry and scientific advice on designation (or not!) of marine sites	DEFA have discussed with my organisation the possibility of MFPO managing the full 3 mile zone as far s fishing is concerned (as we do already with Ramsey Bay Management Area)
2	Face to face, backed up by transparency. 'Pictures' – maps, site visits, evidence (tangible)	Face to face, backed up by transparency. 'Pictures' – maps, site visits, evidence (tangible)	Winter time ☺	People are individuals, they all have different motives & needs	Assisting direction if input is required	Knowledge & experience
3	Telephone, email,	Telephone, email,	Weekdays	We promote IOM as a	Would like to see	Links with stakeholders

dialogue matters

	website, social media, trade/stakeholder newsletters	website, social media, trade/stakeholder newsletters Also Chamber of Commerce meeting, cross Govt. Stakeholder groups		destination. We do not run activities or attractions. Diverse range of stakeholders	draft version of the document to be submitted for this application	already engaged in similar activities
4	Face to face briefing backed up with evidence to show why this project is of benefit	Face to face briefing- email updates	Weekday	That protection to the areas is already afforded through the planning process. That we work on an evidence based approach - anything protected will be scrutinised & tested! It must be robust & credible	Possibly – depends on time & work required	Knowledge/research/background info. Expertise.
5	Email, working in small groups	Environmental projects	Weekends	Vision needs to be effectively communicated to engender support – Roadshow? With variety of sectors represented	It is unclear if anything is needed if application to UNESCO is being prepared	Knowledge, information, contacts, leadership in the community
6	Email followed by face to face	Facts, well & concisely presented	Wet, dark evenings	I think the project knows enough about us	To be kept up to date with progress	? Education, explanation of what we are doing to other groups
7	Web, email, working groups	Group meetings/workshops	Depends on group/stakeholders - general public volunteers weekends engaging stakeholder (land owners etc.) probably best weekday or evenings avoiding 'peak' busy periods	They need to be reassured that the project won't lead to more regulation. They won't want to feel that 'their' money is being used to fund the project	Kept informed on progress Happy to be involved further if my input was thought to be of value	My organisation has a significant input to make as it is a major landowner and provides experience across all areas of core & buffer //////

dialogue matters

8	Email, social media, media coverage	Public engagement/interaction	Not sure	Very important – we may like the idea, but will 90% of the public take notice	As part of my DEFA work – worried that my time is all too precious	Huge public land estate – knowledge & skill set. Experience of government – private sector joint projects
9	Email updates, press stories, social media – twitter/facebook	Project teams working on specific areas with current mix of stakeholders work well	Summer holiday session/TT week best avoided	Keen to promote a sustainable future for the Island	Would be keen to advise/assist in any relevant area/teams	Energy consultancy – existing assets & sustainable systems. Infrastructure mapping & advice. Access to reservoirs possible. Link to TT zero teams.
10	Any; initially email	Potential for labour resources, plant hire or “construction” planning & control.	Any – by arrangement.	The construction sector is fundamentally aimed at the built environment but equally impacts on the maintenance of the natural environment.	Consult for information	Construction expertise
11	Talks, workshops, outdoors activities with the community	Workshops	Weekdays (winter is better as we have less work ourselves)(but summer is better to include our members – weekend, evening)	Funding is a challenge for the organisation. If you ask us to contribute with funds we might struggle to be involved.	Being included in future consultation. Email updates of the process	Expertise related to birds (data, habitat, management, surveys)
12	Email, social media, public events, newsletters 3 times per year, flyers, interpretation boards, visitor centres x 2	Family activities such as rock-pooling, pond-dipping etc.	Weekends, school holidays (for family activities)	Access to wide range of volunteers with different skills e.g. practical nature conservation volunteers, visitor centre wardens, shop volunteers etc.	Happy to continue as a member of the steering group	Wildlife expertise, good communication links with the local community
13	- Email/social media - Fliers & leaflets	Stakeholder group meetings & workshops, open days, “try it out” sessions	Weekday daytime for Gov’t stakeholders & business, evenings & weekends for the	Awareness of current project – community woodland development – volunteer works – trail building etc.	Require updates on progress for the initiative. Happy to provide inputs on aspects of my area of interest/work i.e.	Contact local volunteer groups & organisations which might be interested in contributing to projects to benefit the Biosphere bid. DEFA can offer project sites &

dialogue matters

			third sector & volunteer organisations		access & recreation	potentially materials & machinery & staff expertise
14	Informed and user friendly forums to take on board different user groups opinions and plan a strategy that all will use. Educational workshops.	Practical skills, work groups, educational groups	Anytime	Funding important to ensure resources are available to drive this forward and keep momentum going	Represent forestry opinions when matters are being discussed and planned	DEFA has large land holding resource that can be utilised and skills set and knowledge that can be invaluable
15	Internet – social media – info boards on site	Outdoor walking	Any		Look to volunteers for interesting projects	Me.
16	Presentation to advisory group	Events & projects	Week day	Although we focus just on Douglas, there is potential for our activities and projects to align with and support the Biosphere	Keep up to date with progress and invitation to future events like this.	Networking. Initiatives within Douglas to support the Biosphere. Advice on partnership working, regeneration and events.
17	Facebook, websites, meetings, signs, press.		For me? Office hours. For the sector, evenings/office hours	It is very diverse and messages should be tailored to the target group (stakeholders/OAPS/volunteers/managers/land-holders etc.).	Contact us if biodiversity advice required, especially statutory matters. Interested in involvement with projects relating to wildlife & habitats	Staff expertise, land?
18	Email, visual images/maps/diagrams	Planning, projects with deadlines	Sept – Easter, during the summer I'm too busy	Lots of marine info available. Divers tend to have high disposable income and like to contribute to projects.	Consultation re: projects I have suggested, history/culture trails, snorkel trails, marine life education	Can provide high quality video & images of marine life to support application. Also knowledge of marine environment
19	Email to inform on club event, interest in lectures	Events covering various types of skill	Weekends, summer evenings			Help monitor class 4 roads
20	Email – meetings	Discussion	Week day	Commercial fishing interest	Dept. informed	Marine monitoring &

dialogue matters

						enforcement
21	Email – website, not paper	Talk to communities, road show	Evenings, weekend	Go public	Contact if needed to support	Funding – targeted - SPMCE; Tools/education/time – Seasearch
22	Email, facebook, twitter, radio, information boards	Open days	No time is a good time for farmers	There will be a fear of more rules, legislation & bureaucracy. Aims of achieving designated status to be clearer	To be kept informed, watching brief	Move what exactly forward!!? We would work with other organisations e.g. wildlife to host open days for educational purposes
23	Email, seminars		Preferably daytime		Continuation of liaison with MNH that has already taken place as a significant stakeholder	General participation in development of BV
24	Emails, website, (publications)	Lecture/seminar, filed activities	Evenings, weekends	Engagement would be with the IOMNHAS committee & feedback to/from the rest of the membership	a) Continuing existing biological recording activities & habitat mapping etc. b) Maybe write something on landscape history for the application?	Publicity & networking i.e. website link to BV. Commenting on the zoning map details. Members using & enjoying the landscape.
25	Evidence based assessment & logical argument	Group engagement	Week days or evenings	The DOI manage & set policy for public highways including footpaths	Stakeholder for DOI & have an interest in outdoor activities/sports	Technical expertise of government network access. Enthusiasm for the project & subject.
26	Email easiest	Depends!	Any	700 members in 30 WI's all over the Island. 'Nuff said?	Keep me informed so I can inform others	Probably dissemination information and gathering opinions, at this stage
27	Any direct communication	Sustainable	Evenings	Much – written submissions made to DEFA ref: consultations	Yes please	Volunteers to research/survey/prepare/access to existing abandoned hill land 'tracks'
28	Emails		Any	The WI has 700 members in 30 institutes across the Island. It has the ability to network information. We have a dedicated team of resc centre volunteers	We still want to receive up to date information	See Q 2 & will act as WI co-ordinator

dialogue matters

				working alongside the civil defence, when necessary		
29	Understanding of uplands	Physical	Daylight	Managers 45% of land area	By email	Land

7 Review the maps

7.1 To what extent do you support this map?

I am opposed	I have concerns	I could live with it	I support the idea	I strongly support the idea
	24			
	23			
	22			
	21			
	20			
	19			
	18		9	
	17		8	
	16		7	
	15	12	6	3
	14	11	5	2
25	13	10	4	1

7.2 Why is your tick there?

1	General full support for BV concept – but with some concern about (what) the implications will be for MNH resources
2	3 mile fishing limit has been extended to a buffer zone and core areas are being looked at later
3	Limiting/controlling activities in the 3 mile limit is a very positive move.
4	3 mile buffer area seems appropriate to core areas and protection to marine habitats. TT buffer area, historically important area – cultural Upland buffer area important to forestry/wildlife
5	These are important areas that need careful consideration
6	Some good improvements
7	Because I agree to the changes to the buffer zone
8	In my opinion we need to protect more not less of our land & sea. As this is a living document it can only get better, for everyone man/environment/culture/heritage
9	Details need to be shown at a better scale to see the precision. Also listed clearly in writing. Core areas should be larger – include not just designated areas
10	Providing the current principles of Dev. Control are not made more onerous/restrictive than currently exist. The purpose should be to market the quality of life balance between build & natural environment of the IOM while embracing/promoting sustainable economic development
11	Like the universal inshore waters buffer zone moderately
12	Need to understand more about definition of “buffer” zone. Especially if it included TT course, railways & other visitor attractions including footpaths
13	Northern hills etc. need to be included with DEFA land If Biosphere truly not related to ‘control’ owners consent for inclusion shouldn’t be an issue
14	As group 5 agreed, we did not feel we had the knowledge or the right to move any of the zones
15	It is difficult with the scale of the map to see exactly which areas are within the different zones e.g. it was proposed that MWT Reserves would be in the core & buffer zones
16	Implication of the core & buffer zones need to be clarified. Areas of outstanding natural beauty not included in either
17	Lots of DEFA staff with mapping skills & knowledge could further improve map. I believe more hill land should be core

18	We seem to be designating areas without regard to people who are working and trying to earn a living in
19	Consultation needed
20	The 3 mile buffer around the island is not evidence based or classified by the buffer description. In addition the TT course & steam railway do not meet these tests
21	Buffer zone colour codes – consider use of alternative to blue, confusion with waterways, bodies & marine (sea)
22	Specifically with reference to the extension of the buffer zone to include the entire 3 mile zone – the MFPO and government (DEFA) are in discussions over the MFPO managing the 3 mile limit as we do for the Ramsey Bay Management Zone. If this were to go ahead then it would ensure that MFPO (and their members - the fishermen) would have full input
23	Ramsey Bay Nature Reserve, 3 mile fisheries limit
24	Because I don't think that there is sufficient info explaining why something is core/buffer & what the implications are. It is far to simplistic
25	Insufficient involvement fishermen
26	There is not enough accuracy or detail and factual evidence to make an informed decision at this stage

What would need to happen to increase your support and move your tick to the right?

1	More consideration to be given to DEFA buffer areas as there may be certain areas which should be treated as core
2	n/a
3	Core zone designation of wrecks, horse mussel reefs & around the Calf of Man. This should be a part of allowing the FPO to have control over the rest of the 3 mile limit. There is no gain without getting more protected areas
4	Increased public consultation to obtain views of the majority
5	Some increase in core areas even if not ASSI's etc.
6	Discussion of whether coastal, path, railway, etc. buffer areas should be extended 'over the hedge' to broader areas, perhaps eventually attached to an enhancement scheme
7	I believe conservation areas should be buffer and national monuments and sites of significant cultural /historic interest e.g. Tynwald Hill and the Laxey Wheel site, should be core
8	More details on core (red) areas
9	Add river corridors – buffer Intertidal especially rocky shores & soft cliffs – core? Woodland corridors - buffer
10	To gain traction through significant public support, wider consideration would be required. The construction sector would require reassurances that core & buffer, but buffer in particular would not impose more onerous development control than currently exists through planning control
11	Certainty that people whose livelihoods would be affected would be properly consulted; it all comes over as patched together a touch haphazardly
12	Need to understand more about definition of "buffer" zone. Especially if it included TT course, railways & other visitor attractions including footpaths. Also flexibility to add in new areas of "buffer" as "active market" products develop i.e. new walking routes, mountain bike trails
13	Resolve issues: Northern hills etc. need to be included with DEFA land If Biosphere truly not related to 'control' owners consent for inclusion shouldn't be an issue
14	More information needed
15	More detail to be available in terms of what areas each zone is made up of
16	Clarify impact of buffer/core zone. Large central areas need to be reviewed. 3 mile marine impact needs to be reviewed
17	Lots of DEFA staff with mapping skills & knowledge could further improve map. I believe more hill land should be core
18	Much more consultation with farmers and fishermen.
19	Clear definition of zonation. Much more clearly defined maps needed. Possible implications of being declared a buffer zone
20	The 3 mile buffer around the island is not evidence based or classified by the buffer

		description. In addition the TT course & steam railway do not meet these tests. To remove these from the plan unless evidence is brought forward to support the classification
21		Buffer zone colour codes – consider use of alternative to blue, confusion with waterways, bodies & marine (sea)
22		3 mile limit not a buffer zone unless MFPO can manage it on behalf of the fishermen
23		Greater clarity/consultation
24		Robust evidence based criteria as to why sites are included. Sites need to be assessed & justification provided of the long-term implications.
25		Involvement fishermen, views
26		Further detail – scale and information. Zoning seems to be currently on personal standing – not on individual merit?

8 Parking Place

Process:

- Important that a draft copy of the ideas from the workshops are circulated to everyone who attended in case anything has been missed – better for industry buy in
- Sanity check on nomination papers – lots of people involved today, need to make sure nomination reflects their views and input

Questions:

Name

- From tourism perspective, question use of “Vannin” as unlikely people off Island would know where this is? Biosphere Isle of Man? Biosphere Man?
- Why not Isle of Man, Vannin is a mystery.
- Why call it BV? Is it marketable

Aims/Returns/Funding

- What does Biosphere reserve set out to achieve? How is success measured or determined? What baseline data is available? Very vague & woolly.
- What’s the point of BV?
- How is it to be funded?
- How are we going to demonstrate a valid return to investment to justify offer of resources for Biosphere IOM?

Zones

- We need to understand a rationale why these zones have been determined
- Terminology of “buffer” zones very vague

Statements/Clarifications:

- The Development Control Process (Planning) is challenging and often said to be ‘predisposed to refusal’. Harmony of environment is a balance (positive and constructive) between the build environment & natural environment.
- Recognition that many years of agriculture have created core zones, buffer zones & landscape generally
- Hen harriers not good for biodiversity because predate on other species
- Queenie conservation has failed so marine biosphere fails

9 Short term Actions following the workshop

What	Who	When
Type up all outputs	Peter’s team with guidance from Dialogue Matters	2 Weeks + Dialogue Matters comments
Sort them out and finish record of event	Peter’s team with guidance from Dialogue Matters	2 Weeks + Dialogue Matters comments
Send out to all	Peter’s team with guidance from Dialogue Matters	4 weeks

Answer Parking Place questions

Peter's team

1 week

Annex 1 Agenda

Isle of Man

Biosphere Vannin

Working together to keep our Island special

Agenda

9.00 **Getting Started - Registration, coffee and tea will be available, starting activities.**

It is 2030 and you are looking around the Island (on land or sea) and appreciating the difference the Biosphere Vannin has made. **Why? what do you see?** Please add your thoughts to those of others

9:20

Welcome

Facilitators Introduction Me

Back Ground Information Peter Longworth

Speaking from experience Allan Wynne-Jones – Dyfi Biosphere

Questions to clarify what you have just heard

(What do you mean by...? Or please explain...? There will be plenty of opportunity to give your views during the workshop.)

Exchanging knowledge - visit each of the different topics below and have your say

Exploring the idea of Biosphere Vannin

1. What benefits could being a Biosphere area bring, to make it really worthwhile?
2. What are the challenges of being a Biosphere area?

Changes and trends

1. What do you value and think is special now about the Isle of Man that you would like future generations to be able to see or do?
2. What trends and changes are taking place that need to be taken into account? What is your observation based on? (eg observation or research)
3. In years to come, will the Isle of Man be able to sustain the level and types of use that occur now? If not why not and what needs managing?

Heading in the right direction:

1. What is already being done that would help deliver the goals of Biosphere Vannin? (by government, business, NGO's, communities, citizens)
2. How could that be strengthened and enhanced?
3. What else needs to happen?

The above three questions will be asked in relation to

Land Based Conservation

Shore and Marine Conservation

Economic and human development (which is sustainable for people, culture and the environment)

Environmental Education

Research and Training

Public Engagement

11:10 20 **Tea and Coffee**

Zoning

What is compatible with each zone and what is not

Mapping

What do you like about the map?

What changes do you want to suggest to the buffer area?

13:00 **Lunch**

Ongoing involvement

Benefits of working together for the Biosphere Vannin

What benefits could working together bring?

What assets and resources* might you/your organisation be able to harness for shared initiatives and shared outcomes? * 'Assets and resources include: time, effort, energy, information, know-how, innovations, skills, funds, staff, volunteers, initiatives, places, networks.

How do you think people should be involved if the proposal is successful?

What is the best way of engaging you/your interest

3.00 **Tea and coffee**

Review the maps

15 **Emerging Map**

15 To what extent do you support this map

Why did you put your support there

What would need to happen to increase your support?

Wrap up activities

What happens next

No later than 4.30 **Finish**

Annex 2 List of Attendees

	Name	Organisation
1.	Alan Jackson	DEFA Shooting Tenant
2.	Anne Marie Kilgallon	Manx Wildlife Trust
3.	Bob Jeavons	3 rd Sector Forum, Chairman
4.		
5.	Cat Turner	IOM Friends of the Earth
6.	Chris Gregory	IOM Children's Centre
7.	Chris Pycroft	Douglas Development Partnership
8.	Colin Eastwood	DEFA
9.	David Beard	Manx Fish Producers Organisation
10.		
11.	David Talbot	IOM Municipal Association
12.	Derek Sewell	DOI Transport
13.	Dora Querido	Manx Bird Life
14.	Dympna Connelly	WI, Isle of Man Federation
15.	Emily Curphey	DOI Planning Policy
16.		
17.	Graeme Watson	DEFA
18.	Hilary Shimmin	Manx Horse Council
19.	Julie Colquitt	DED Tourism
20.	Jo Callister	DEC
21.	John Harrison	DEFA
22.	John Lindon	Isle Of Man Bank
23.		
24.	Keith Kerruish	Flockmasters
25.	Keirron Tastagh	Adventurous Experiences
26.	Linda owen	WI, Isle of Man Federation
27.		
28.	Michelle Heywood	Discover Diving, IOM
29.		
30.	Peter Keenan	DEFA
31.	Philippa Tomlinson	IOM Natural History & Antiquarian Society
32.		
33.	Richard Selman	DEFA
34.		
35.	Shaun Murphy	Manx National Heritage
36.	Tony Eldridge	Isle of Man Enterprise PLC
37.	Tony Glen	Society for Preservation of Manx Countryside (SPMCE) Seasearch
38.	Tony Wood	Auldyn Construction
39.	Richard Lole	DEFA
40.	Alan Jones	Dyfi Biosphere, Wales
41.	Peter Longworth	DEFA
42.	Martin Hall	DEFA
43.	Andrew Cowie	Manx Utilities Authority
44.	Brian Stowell	Manx Culture and language representative
45.	Belinda Leach	Manx NFU
46.	Breasha Maddrell	Culture Vannin
47.	Richard Crane	IOM Four-wheel Drive Club

Annex 3 I think my voice will be heard & make a difference

I think my voice will be heard and make a difference

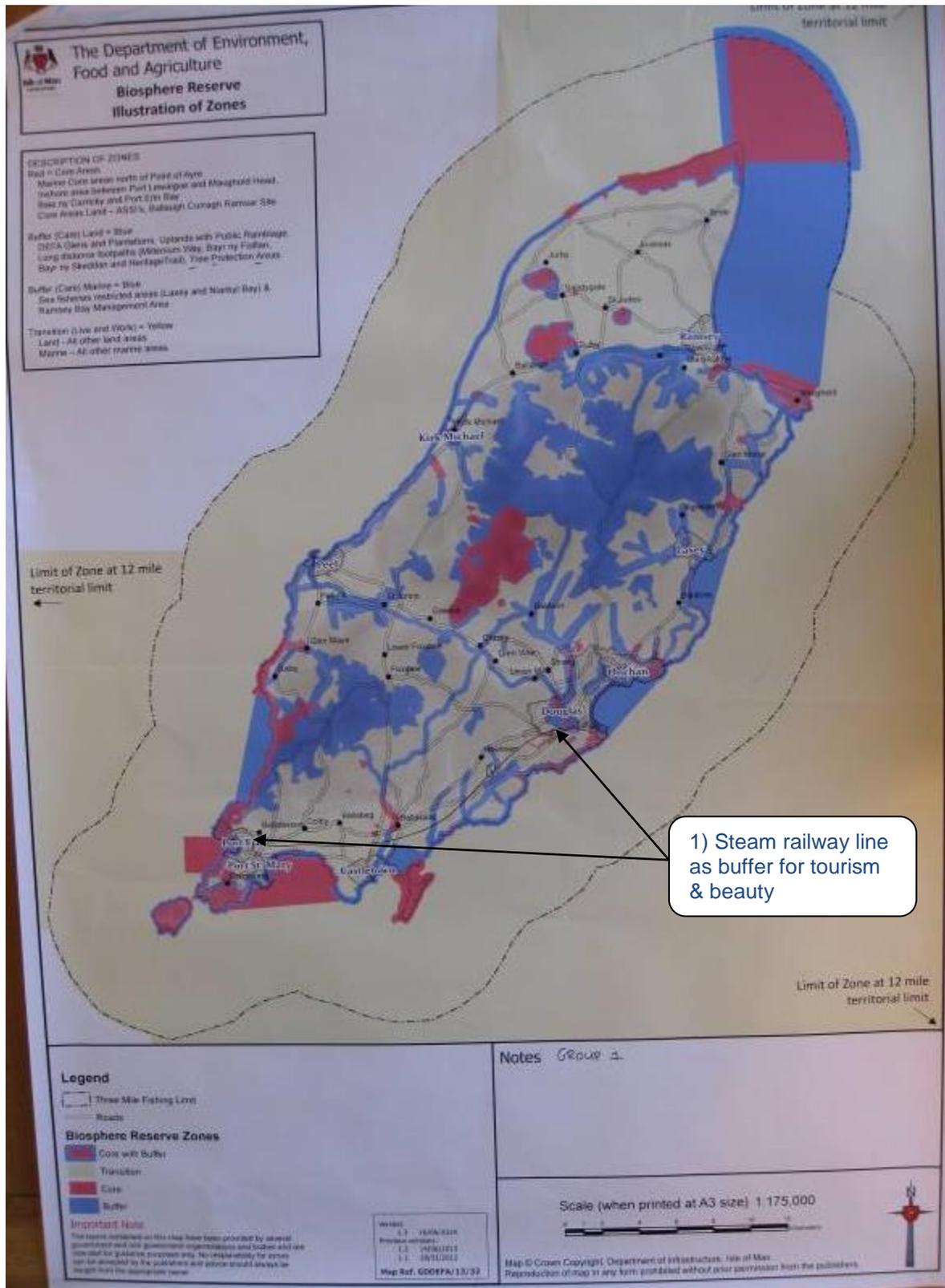


Please put a tick on the line in response to this question.

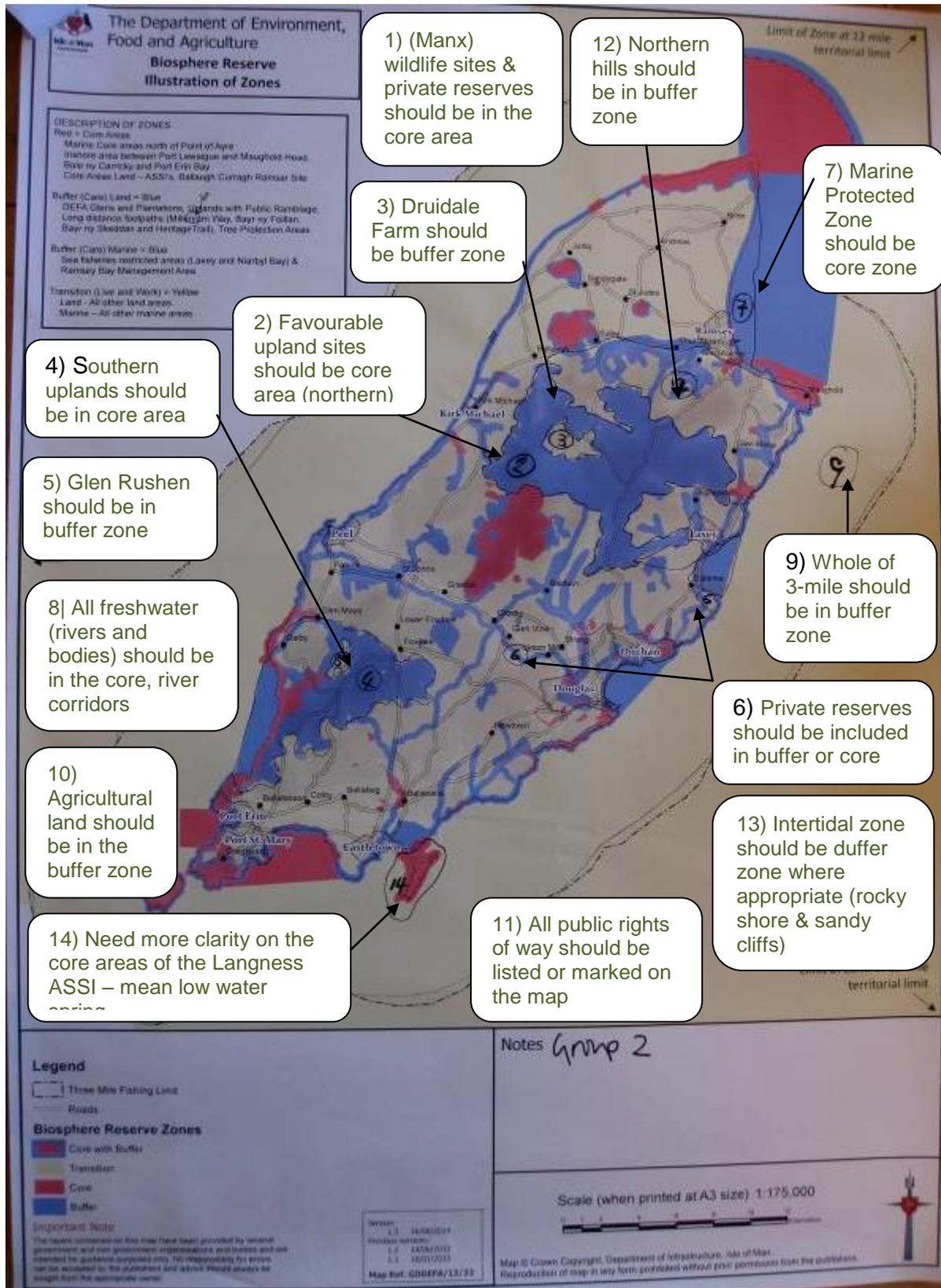
I felt my input was heard



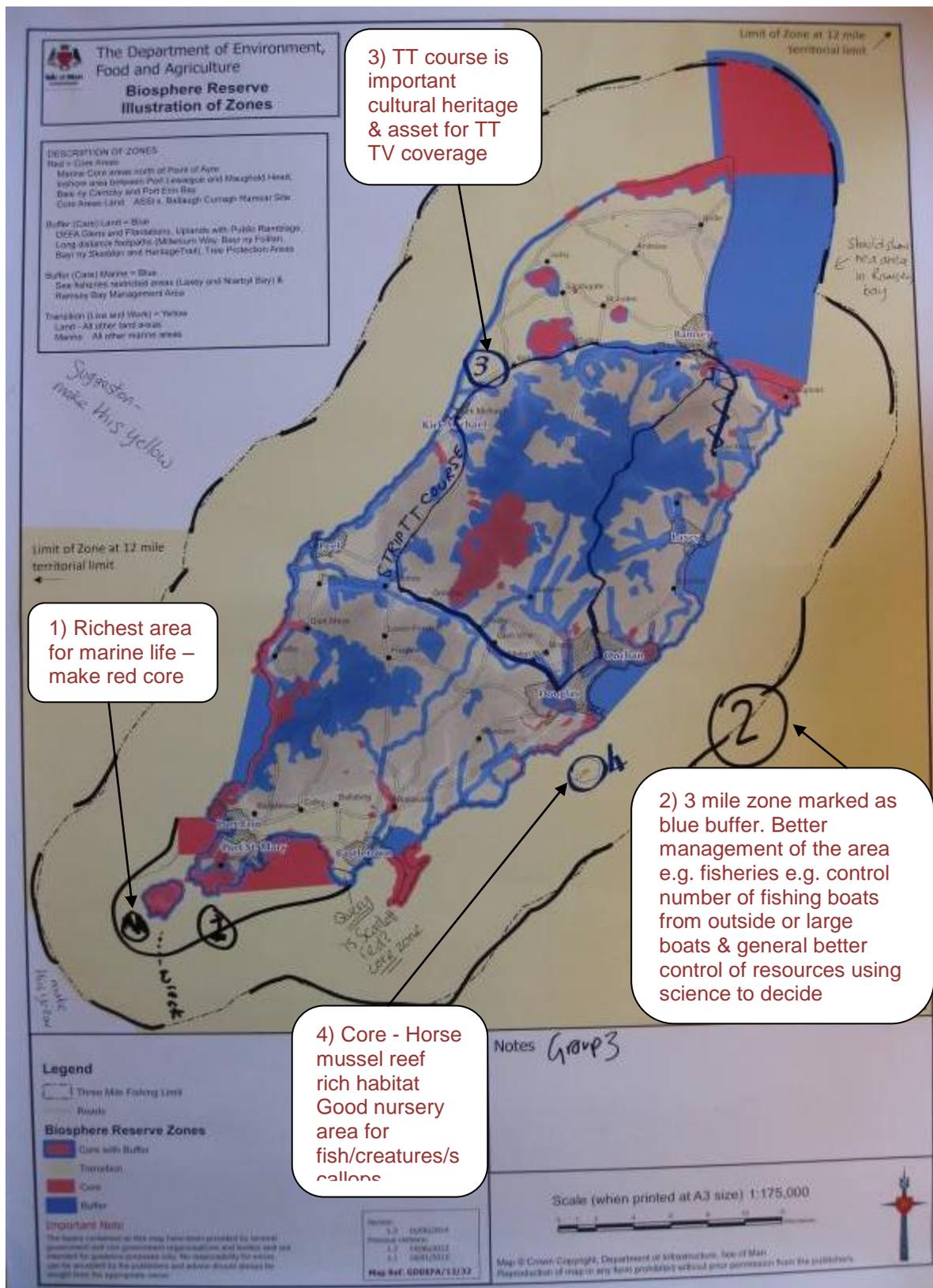
Annex 4 - Maps - With group comments:
Group 1



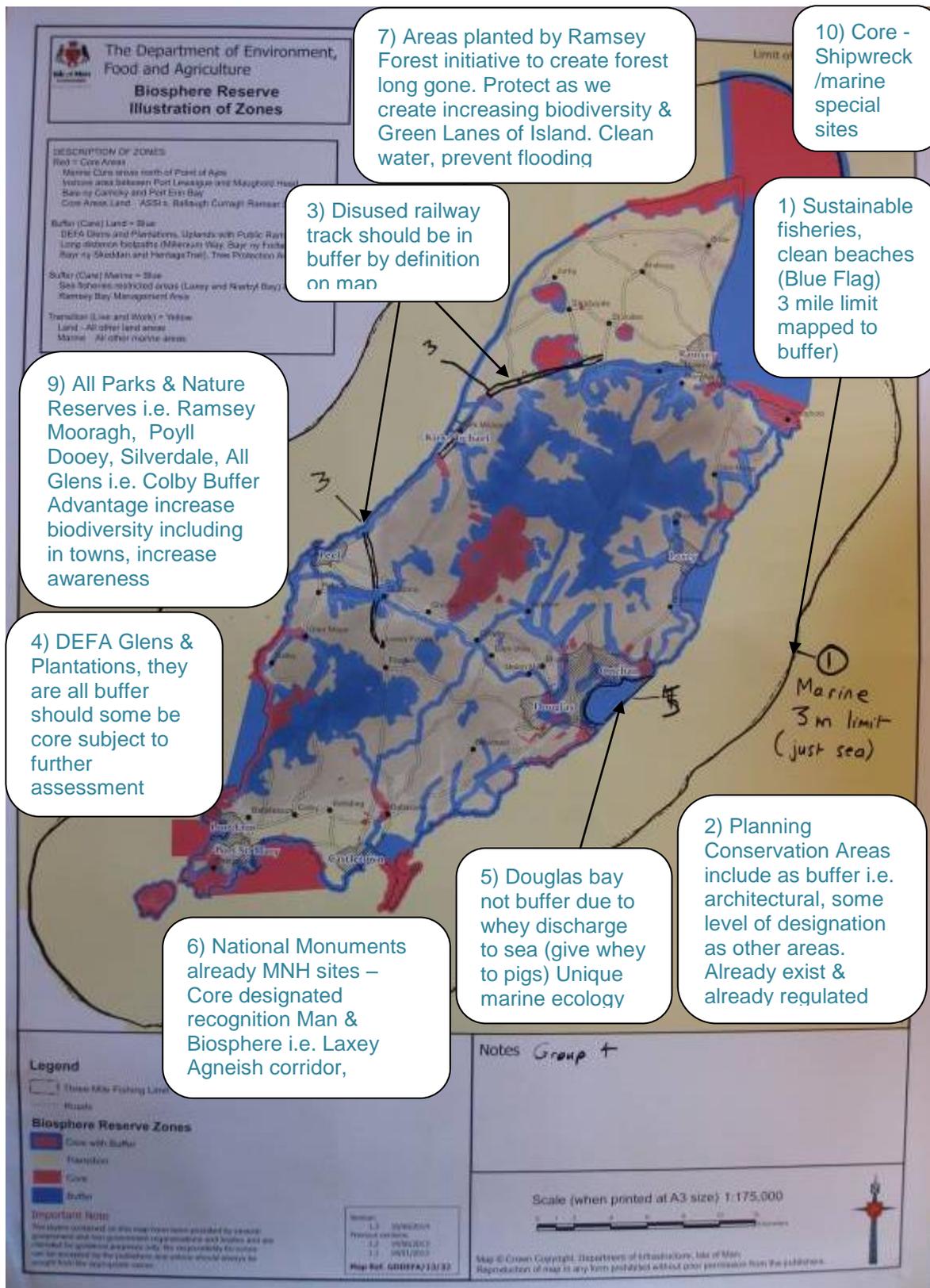
Group 2 - Map



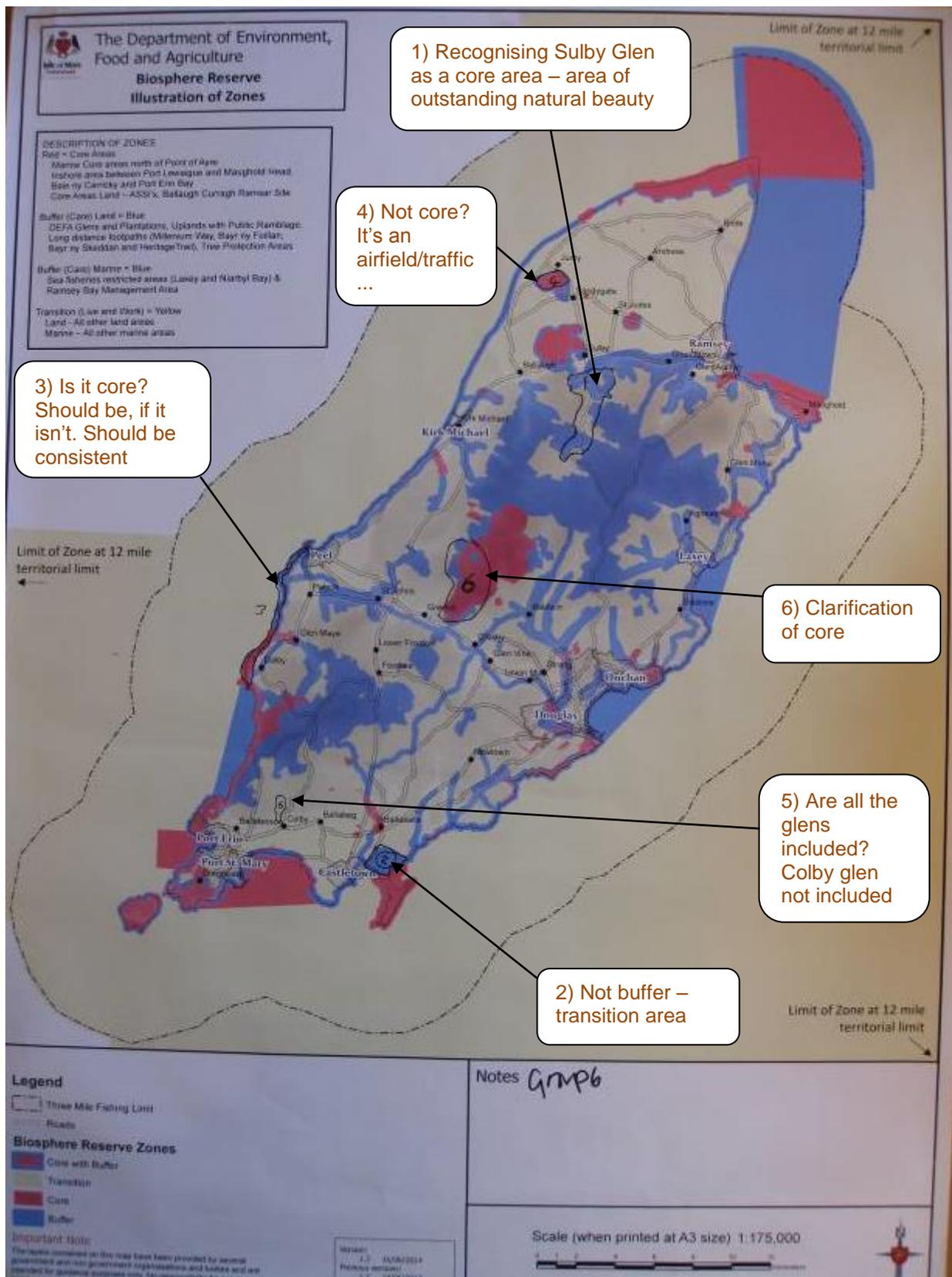
Group 3



Group 4



Group 6



Annex 5 Map updated with suggestions from groups work

