

THEME:

Atmosphere

SUB-THEME

Urban  
Built design  
Environment

Why do we need these natural assets?

NEED TO CONTROL OUR BUILT ENVIRONMENT TO PROVIDE THE COMMUNITY WITH THE BEST OUTCOMES.

- NOISE POLLUTION
- OPEN SPACES
- URBAN BLUE SPACE
- CLEAN AIR

Health

What are the threats  
- actual & potential ?

- INCOMPATIBLE INDUSTRIES & ACTIVITIES THAT GENERATE NOISE POLLUTION
- OPEN SPACES ARE REMOVED / MODIFIED / REDUCED
- INCREASED URBANISATION TO RESERVE THE NATURAL ENVIRONMENT - CAN LEAD TO A LOSS OF BLUE SPACE
- INDUSTRIES THAT GENERATE SMOKE / SMOG AFFECT AIR QUALITY
- POOR URBAN PLANNING - INCOMPATIBLE LAND USES IN CLOSE PROXIMITY
- BETTER ROAD DESIGN CAN REDUCE AIR POLLUTION FROM VEHICLES
- INCREASED TRAFFIC INCREASES NOISE & AIR POLLUTION

SENSITIVE  
PLANNING  
POLICY

PLANNING  
PROTECTIONS  
·  
TREES

Lack of  
Sound  
Pollution

Urban  
blue  
space  
smart planning

What is needed to protect & value these natural assets? why?

We will ...

STRATEGIC AIM

BUILD BETTER  
PROTECTIONS INTO  
OUR PLANNING.  
SCHEME

To ensure our community enjoys living in their

Consider all species in our ~~but~~ planning

We will reduce the impact of the built environment on the natural environment

WELL-PLANNED  
PUBLIC TRANSPORT  
TO ASSIST EMISSIONS  
REDUCTION.

AIR.  
- more wordsmithing.  
- Reduce - work in positive  
not negative.  
- more aspiration.

THEME

ATMOSPHERE

SUBTHEME

Air quality/  
health

Why do we need these natural assets?

CLEAN AIR → respiratory health  
↳ clean water → rainwater (health)

ABUNDANT SUNSHINE → flora & fauna growth;  
impact on micro-climate;  
impact on biomes & habitats

Low LIGHT POLLUTION → fauna health/activities/(nocturnal species)  
sleep behaviour  
→ human mental & physical health  
· sleep behaviour · night sky/star visibility

What are the threats - actual & potential?

INTER-GOVERNMENTAL LIAISON

- Herbicide use
- Dust
- Smoke
- Population growth
  - ↳ More cars → FUMES
  - ↳ More industry →
  - ↳ More clearing → less natural filtering & mitigation
  - ↳ More urbanisation → LIGHT POLLUTION
- General smog → respiratory issues
  - water quality /rainwater issues
- DEFORestation
- ARTIFICIAL LIGHT SOURCES
  - ↳ Impact on fauna (nocturnal) & people
  - ↳ MORE URBAN LIGHT

POOR PLANNING

POLICE REGUL- ATION

PROSECUTE OFFENDER

Particulate Pollution  
- dust, smoke, fumes, industry

SEE BANKING ROYAL COMMISSION

Clean air

Lack of Light  
Pollution

NIGHT SKY

Abundant Sunshine.

Clean air  
= clean water  
(rainwater) tanks

Herbicide Spraying

LACK OF COMPLIANCE

BEST PRACTICE PESTICIDE USE.

REDUCE BURNING FARM/ INDUSTRY WASTE

RECYCLING PLASTIC:  
RAILWAY SLEEPERS

We will maintain our air quality in rural areas and improve it air quality in urban areas

What is needed to protect & value them? Why?

STRATEGIC AIM

THEME:

Atmosphere

SUB-THEME

Climate Change Mitigation

Why do we need these natural assets:

- RETAIN OUR WAY OF LIFE
- REDUCE EFFECT OF WEATHER CHANGES INC. GLOBAL WARMING
- PRESERVE NATURE ENVIRONMENT
- PROTECT WATER RESOURCES & OUR ENVIRONMENT

What are the threats  
-actual & potential?

- Global warming / climate change
  - ↳ increased temperature
  - ↳ increased extreme events
- Loss of natural resilience / climatic changing faster than can be adapted to
- Extreme bushfires (increased temperature, decreased rain)
- Big floods
- Big droughts

RAISE AWARENESS OF POLLUTION

TECHNOLOGICAL EMISSION REDUCTION

EDUCATION OF STAKEHOLDERS

REMOVE POLITICS AND LEGISLATE!

INCENTIVE FOR EMISSION REDUCTION

CLIMATE AIR TEMPERATURE

what is needed to protect & value these natural assets? Why?

We will...

LOOK FOR POSITIVES  
IS CLIMATE CHANGE ALL BAD?

DYNAMIC ADAPTATION

Plant 1 billion trees

STRATEGIC AIM

Reduce the negative impacts of climate change

Reduce/Stop activities that contribute to climate change

AIM AT STABILITY

We will work to create an environment & community that is resilient to & does not contribute to climate change

We will reduce 1 off plastic use

THEME

FAUNA

SUB THEME

HABITAT

Why do we need these natural resources?

Food | Breeding | Shelter | Roosting | Hollow  
nesting | Erosion control | Mitigation.  
oxygen | Dust | Diversity | Resilient  
Ecosystems serv | Ecosystem Health  
Human Health (amenity) | Tourism (economics)  
Protects Agriculture. Protect beneficial insect habitat.  
(link with) interdependent  
with agriculture)

What are the threats

- actual + potential?

humans (<sup>inappropriate</sup> development) over grazing

- Logging - recreational use - illegal  
extraction industry - illegal harvesting

Fauna (Flora - inappropriate fire  
~~wrong~~ - changes in hydrology -

Planning legacy decisions -

- Lack of research / knowledge / education

- historical science / political / planning decisions

- Climate Change

- Pest + diseases that threaten habitat

- Erosion from pigs & feral

- Arson

- Lack of engagement with Traditional Owners to develop baseline + data.

- Inappropriate offsets.

- Lack of baseline data.

Lack of  
finance  
to help

Education - Protection

Best practice management

Land use change - grazing  
or Awareness

We

ESTABLISH

VALUE

Research

Food  
Sources  
for  
fauna

WILDLIFE  
REFUGIA  
etc. Rangeland  
deg.

COMMIT

BUT - IT

ENGAGEMENT

Understand  
their  
value

EDUCATION

DATA

LONG TERM

VISION

PROT

RESTORATION

EFFICIENT  
USE

AWARNESS

LOCAL  
RESOURCES

WILD USER

STRATEGIC AIM

Restore lost  
habitat  
areas/types.

We will.....  
Have an educated community, influencers, politicians, children.

Have long-term vision for habitat management & protection

Have research for developing baseline data / we will have baseline data.

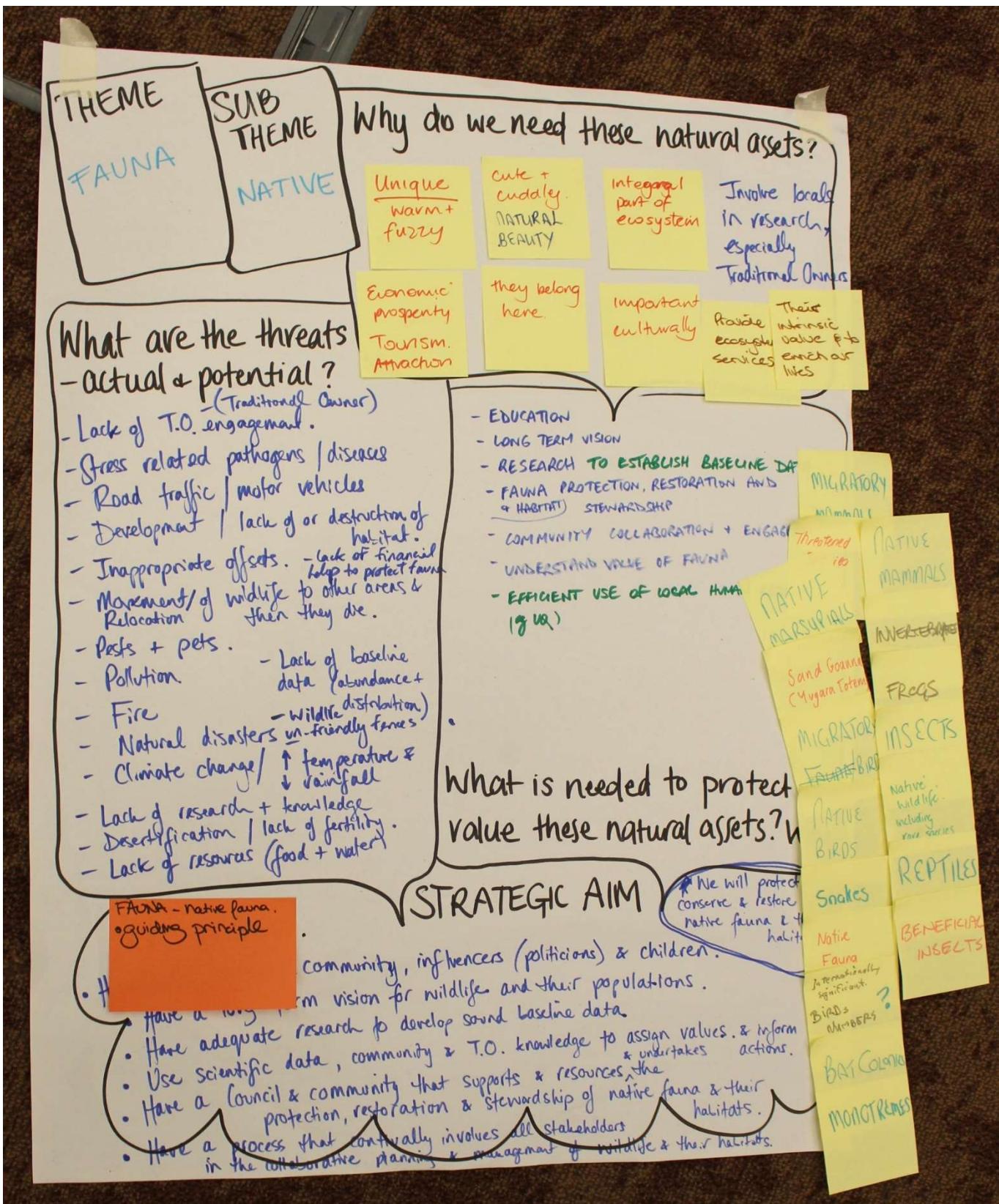
Have a community that engages in protection of habitats.

Collaborate & work together to mitigate/eliminate threats to habitat.

Manage, protect and enhance natural habitat

FAUNA - habitat

- Add expand.





THEME

FAUNA

SUB-THEME

PEST +  
NON NATIVE

Why do we need these natural assets?

Economic prosperity

Jobs

Historic legacy

Pets  
fostering  
human-animal  
interrelationships  
Recreation

Food source  
for human  
& native animals

What are the threats  
- actual & potential?

- Lack of water & food.
- Over-population.
- Poor management.
- Economic loss (e.g. agricultural)
- Human health
- Lack of biosecurity
- Human actions
- Native fauna decimation
- Impacts on riparian systems.

- Long-term vision
- Education
- Baseline data
- Efficient use of local resources
- Understand their value
- Collaboration & engagement
- Understand their value
- Awareness
- Research.

PEST SPECIES

PETS

STOCK

What is needed to value &  
protect these natural assets?  
Why?

We will....

STRATEGIC AIM

- Have an educated community including influencers (politicians) and children to better understand the impact of pest fauna on native fauna and native habitats.
- Have a long term vision for ~~native~~ fauna and native habitats.
- Have adequate research to develop sound baseline data & undertakes control of pest populations.
- Have a council and community that supports ~~the~~ and resources ~~to~~ control non-native fauna that threatens native fauna.
- Comment pests/  
Pests need to  
be managed.

## THEME

FLORA

## SUB THEME

COMMON  
NATIVE FLORA  
&  
VEGETATION  
COMMUNITIES

## Why do we need these natural assets?

- SOIL MANAGEMENT & GROUND COVER
- HABITAT
- BIODIVERSITY
- AMENITY (SOCIAL WELLBEING)
- AIR QUALITY
- LAND FUNCTION (WATER TABLE)

QUALITY OF LIFE  
HEALTHY &  
SUSTAINABLE  
WELLBEING

Native Flora

EUCALYPTUS

VEGETATED RIDGE  
(Hillside)  
Vegetation

HABITAT  
for fauna

HABITAT  
for flora

CEMETARIES  
& NATIVE GRASSES

Native grasses

Areas of native grass

IRONBARK FOREST  
WOODLANDS  
NATIVE FOREST & VEG  
communities  
Native Street Trees

## What are the threats - actual & potential?

- Human activities
- + Land clearing
- ☒ Pests + Weeds
- ☒ Fragmentation
- ☒ Overgrazing
- ☒ Ignorance
- ☒ Fire.
- ☒ Climate change
- ☒ Agricultural herbicide spray drifts.

lack of finance to help

LACK OF PROTECTION  
(GRASSES)  
Machinery.  
+ Lack of protection  
govt.

- Effective legislation & policy (incl. political will to implement)
- Diversity of protection mechanisms incl. private & public land
- Effective management
- Research to improve knowledge & management
- Resources to identify & record
- Education to increase awareness & improve protection/compliance
- Coordinated, cross-trophic conservation

- Understanding of extent of flora & communities (baseline data)

What is needed to protect & value these natural assets? why?

We will...

→ We will conserve and restore native plants and ecosystems accounting for diversity, abundance and distribution (adaptive management)

all  
^

STRATEGIC AIM

FLORA - Common.  
→ As we learn adapt strategy.  
- Adaptive mgmt.

\* Need to define native = localised (past present & future)

THEME  
FLORA

SUB-THEME  
EXOTIC  
PRODUCTION  
FLORA

## Why do we need these natural assets?

- FOOD FOR ANIMALS & HUMANS
- ECONOMIC INCOME
- Habitat, nesting, Breeding.  
Hollows.

Food crops

PASTURES

Non native  
EDIBLE  
VEGETATION  
FOR WILDLIFE

What are the threats  
- actual & potential?

- Introductory of Pest species
- Diseases
- Lack or excessive water.
- Cost of water.
- Climate change
- Regulation
- Over-use of water for irrigation

OVER  
GRAZING

- regulation of water extraction
- measurement of water extraction
- Understanding of extent of weeds & feral animals

What is need to protect & value them? Why?

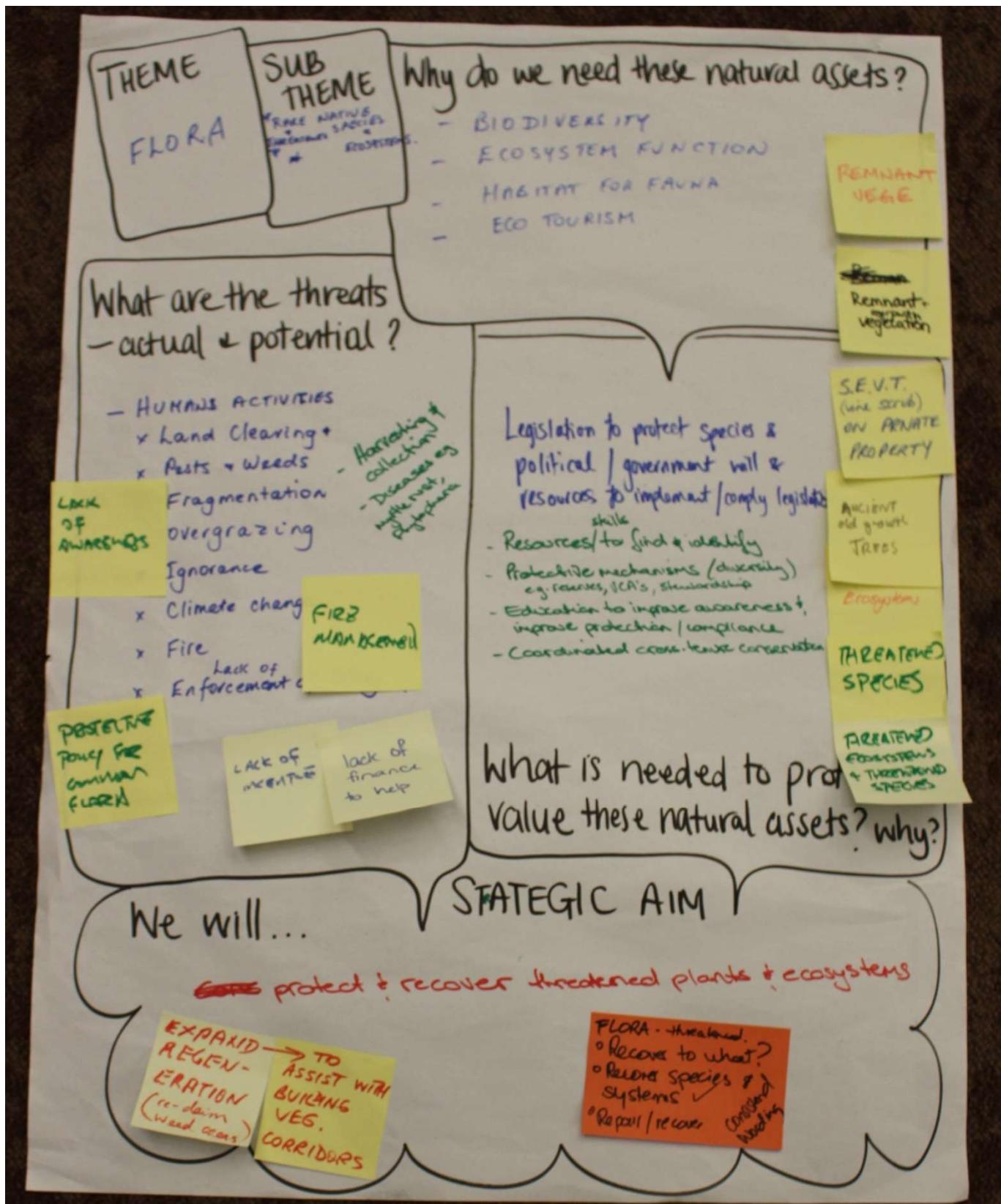
We will....

## STRATEGIC AIM

- Reduce the negative impact of exotic flora (both in environment and agriculture/horticulture/silviculture)
- Reduce the negative impact of exotic fauna

FLORA. exotic.  
• Negative wording  
• Enhance positive effects  
• Manage properly to not impact native

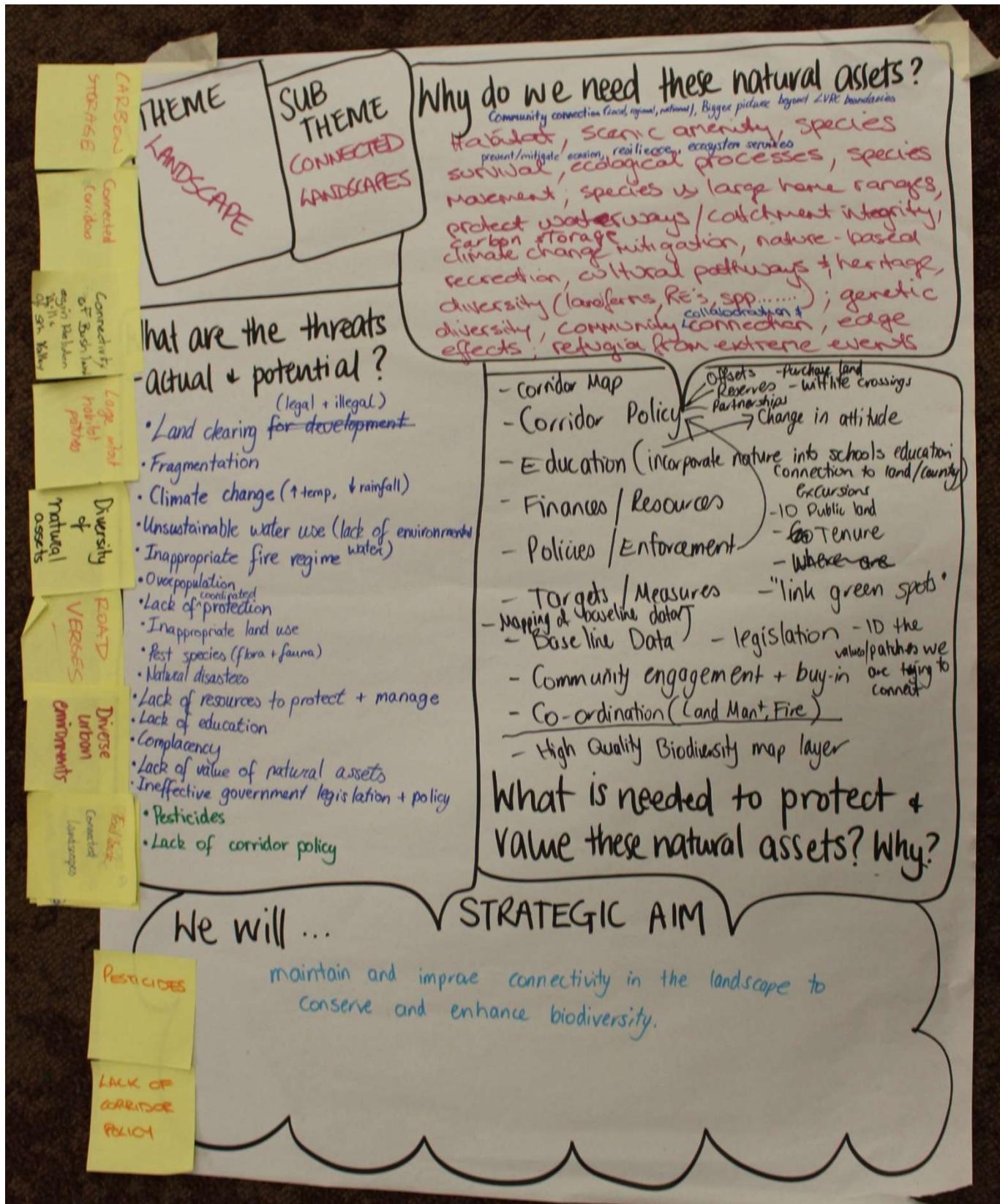
Where they are having an impact - location.  
- Area











THEME

TABLE TOP  
MOUNTAIN IN  
LAST FRONTIER BATTLE

SUB THEME

CULTURAL  
HERITAGE

Non-Indigenous  
Cultural  
Site

HELDON  
SPAS  
HEALING PLACE

BIRTHING  
CAVE

CHULLAWONG  
ANCIENT ROCK ART

Scattered  
artifacts

Chullawong  
rock.

Scarred  
trees

HISTORICAL  
Aboriginal  
cultural  
heritage.

are these

- actual +  
potential?

- Land clearing + development fragmentation.
- Developers
- Climate change
- Impact of finding CH
- Lack of enforcement protection
- Loss of cultural knowledge
- Inconsistent government legislation.
- Unsustainable water use (affects totems)
- Lack of resources
- Inappropriate fire regime.
- Lack of knowledge.
- Sites + cultural values not identified + protected + coordinated.
- Inappropriate land use.
- Native Title processes
- Invasive species (Flora, fauna)
- Natural disasters.
- Flooding
- Bush fire
- Drought
- Extreme heat
- Excessive rain.
- Lack of education.

Why do we need these natural assets?

History belongs to this country, honour & remember history, education, conserve as Rural identity, health & well-being, community connectedness to country, community diversity, Tourism, economic value, protection of totems.

- Education
- Community engagement & buy-in original peoples of Lockyer Valley
- Cultural Heritage Policy & Enforcement
- Finances & Resources
- Map of locations.
- An up to date, robust + consistent dataset (Qualitative + Quantitative) of existing cultural heritage sites

What is needed to protect + value these natural assets? Why?

We will ...

STRATEGIC AIM

Value, protect, preserve + embrace the cultural heritage in our region.

ACTION  
Develop and strengthen the relationship between the community + cultural sites

Protect cultural sites + heritage

LANSAPE - Cultural heritage  
- preservation of F&F of Aboriginal people.  
- Research principle.  
- Guiding flora & fauna.

Acknowledge original land practices.

THEME

LANDSCAPE

SUB-THEME

LANDFORMS

## Why do we need these natural assets?

Diversity of landforms; protect & extreme events, provide unique habitats, provide unique experiences, endemism, circle of life; nature-based recreation/tourism; scenic amenity, support a diverse economy / landuses (farming, extractive ind, urban development)

### What are the threats - actual & potential?

- QUARRING/EXTRACTIVE INDUSTRY
- Development & land clearing
- Fragmentation
- Climate change - rainfall
- Unsustainable water use for non environmental purposes.
- Inappropriate fire regimes management
- Over population
- Protecting diversity of different land forms.
- Inappropriate land use
- Lack of coordinate landuse protection
- Pest & weeds infestation
- Natural disasters (fire, flood, drought cyclone, extreme heat)
- Poor farm management practices
- Lack of education - legislation
- Lack of human connection to land
- We don't value our natural assets.
- Air pollution erosion

MOUNTAIN RANGES

VOLCANIC ROCK SCREENS (valleys, ridges)

FLOODPLAINS

HILLSLOPE VEGETATION

ZONES (hills, valleys, flats, towns)

EXISTING BIODIVERSITY ON PRIVATE AGRICULTURAL LAND

- Planning Scheme Policy - Enforcement
- Policy & Enforcement
- Education
- Community engagement & buy in

\* Need geographical understanding of our natural landforms

- MOUNTAIN RANGES, VOLCANIC ROCK SCREENS etc

\* Inventory of landforms - identify extent, quality, degradation of asset, priority

What is needed to protect & value them? Why?

We will...

STRATEGIC AIM

We will value, protect, preserve & embrace our diverse land forms.

THEME

LANDSCAPE

SUB-THEME

SPECIAL PLACES

Why do we need these natural assets?

- SOME UNIQUE ASSEMBLAGE OF SPECIES + HABITAT
- LARGE + SMALL + INTACT TRACTS
- UNIQUE + SPECIFIC TO LOCKYER VALLEY
- PROVIDE STEPPING STONES TO
- CONNECTION TO CULTURAL VALUES
- SENSE OF PLACE / IDENTITY
- WATER QUALITY & RECHARGE
- HISTORIC VALUES
- ECONOMIC VALUES (TOURISM, HEALTH)

Feedback

Heldon Hills  
little diversity of species  
wanting to protect

Little Liverpool Range

Site specific ecosystems

identified areas

Gondwana Rainforest (main Range)

Glen Rock Moogerah Range

FLAGSTONE CREEK CONSERVATION PARK LAKE APEX

Tenthills CP Dwyers Scrub CP APEX

NATIONAL PARKS AREAS

What are the threats?  
- actual & potential?

- LAND CLEARING
- FRAGMENTATION
- CLIMATE CHANGE
- UNSUSTAINABLE WATER USE (LACK OF WATER)
- INAPPROPRIATE FIRE REGIMES
- OVER POPULATION (HUMAN)
- LACK OF PROTECTION (CO-ORDINATED)
- INAPPROPRIATE LAND USE
- PESTS + WEEDS.
- NATURAL DISASTERS (FLOOD, CYCLONE, DROUGHT)  
BUSHFIRES, EARTHQUAKES  
EXTREME HEAT/COLD
- LACK OF RESOURCES TO PROTECT + MANAGE
- LACK OF EDUCATION
- LACK OF COMMUNITY VALUE FOR NATURAL RESOURCES
- Protect & en. nt. LEGISLATION
- value of nature*  
RED FM COMMUNITY  
LECTION & HARVEST OF FLORA

OVER-USE & INAPPROPRIATE USE  
TRAILERS, HORSE-RIDING, GEOFACING

Identification  
Criteria for establishing  
Collaboration  
Data and mapping

What is needed to protect & value  
these natural assets? Why?

We will....

STRATEGIC AIM

protect, and enhance ~~the values of~~ our  
Special places, for the enjoyment of all....

FAUNA to  
LANDSCAPE - Special  
places.  
- protect & enhance  
for all.

enjoyment of the  
community and  
protection of the  
conservation of  
(flora + fauna.)

...  
beings?  
lifeforms?

THEME

WATER

SUB THEME

Sources

Supplementary  
Water

Why do we need these natural assets?

- Sustain life
- Economy of LV
- Ecosystem Sustaining

Amenity

Jobs

Rain

What are the threats - actual & potential?

Climate change

Wastage

Cost

Availability

Loss of  
clean/green  
branding & image

Community engagement to share knowledge

Education.

Accession & sharing historic local knowledge

Compliance of water legislation

Knowledge of hydrology

Enforcement of water legislation

Skills

Accurate Baseline Data

Budgeting

Continuous Review of monitoring

Consistency of data sets.

Co-ordination of monitoring data

Valuing qualitative data

needed to protect & value them? Why?

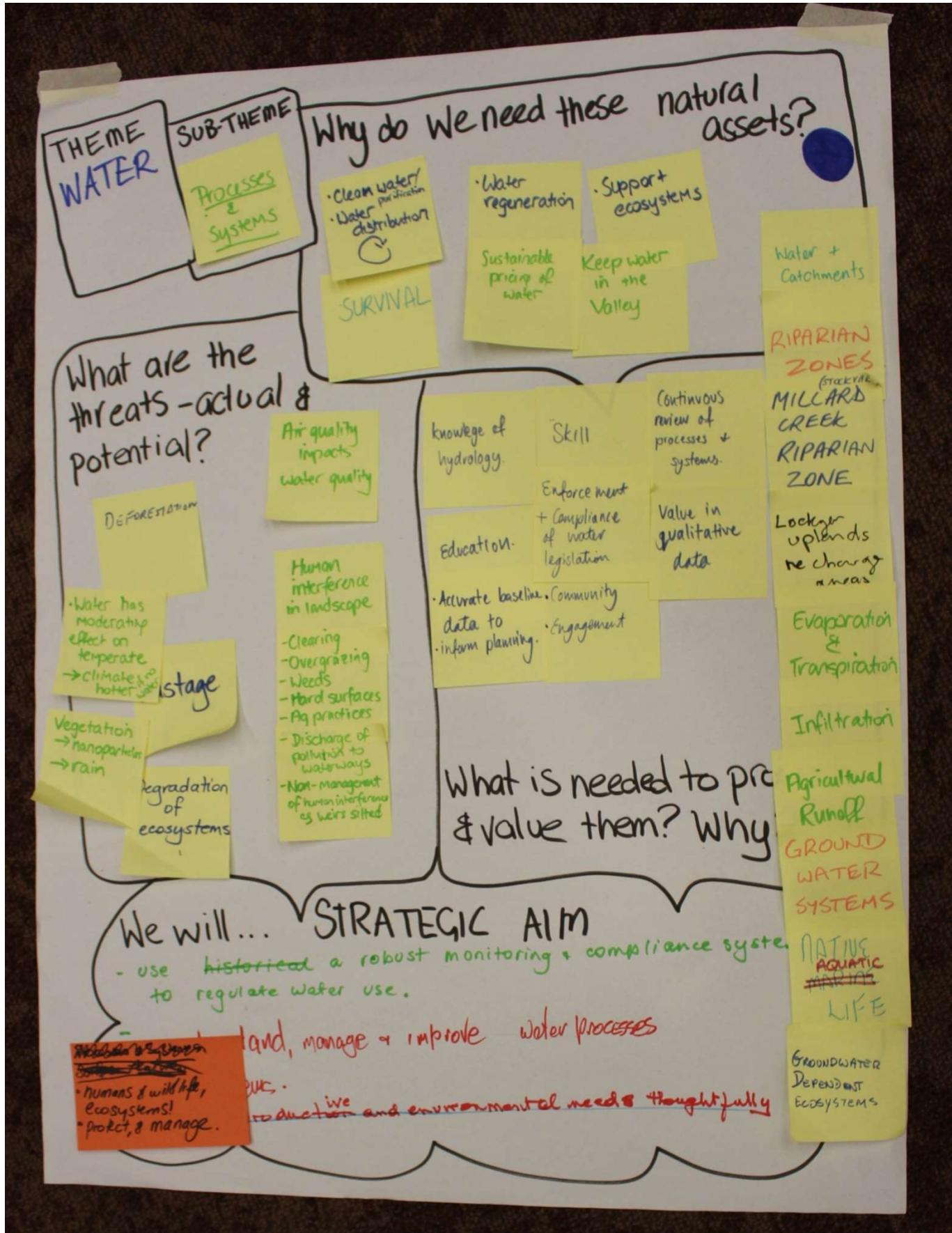
We will....

water sources -  
limitation - & water  
source going to control  
population? - Adequate  
quality & quantity (Q&Q)

water security -  
(water sources)

- ... use ~~historical~~ agreed data to inform action for everyone.
- Invest in education + engagement to increase the Knowledge of the importance + Sustainability of our water systems.
- have adequate clean drinking water for an expanding population.
- adequate water for agriculture use.

Adequate water to sustain local ecosystems





THEME  
WATER

SUBTHEME  
Sub-surface  
Features

Why do we need these natural assets?

- Support AGES
- Purification
- Distribution

Economy

- Storage
- Agriculture

• Managing  
salinity

Springs

Geology

HELIDON  
SPA  
AQUIFER

WATER  
ARTISIAN  
FROM LIGNE  
BUT LOW TROLLS  
OUTSIDE OF  
VALL CM

What are the  
threats - actual &  
potential?

Over-  
extraction

Salinity

Damage to  
Riparian  
zones

Availability

Mining

Excavation/  
cut & fill

Pollution  
&  
contamination  
& PFAS

Accurate data.  
knowledge of recharge  
areas  
education.

community engagement to  
share knowledge.

skills

compliance with legislation

knowledge of hydrology.

What is needed to protect  
& value them?

We will...

STRATEGIC AIM

: ensure ground water recharge /  
use historical data to inform future actions +  
planning for everyone occurring adequately

: protect recharge areas for groundwater

Invest in education + engagement to increase  
the knowledge of the importance + sustainability of  
our water systems.

WATER - Subsurface  
features.  
also consider taking  
care of use of ground  
water.  
✓ Dependent on rain,  
springs, etc.

• bit more work, complex  
issue.  
• Talk about ground  
water levels / quality.  
• Subsurface:

Subsurface features.  
• maintaining quality of  
water.  
- defining adequate to  
agriculture & population  
- How define adequate?