



Gluepot Reserve

‘A vision for the future of
sustainable environmental
conservation’

and

*“One of the conservation miracles of the
21st century”.*

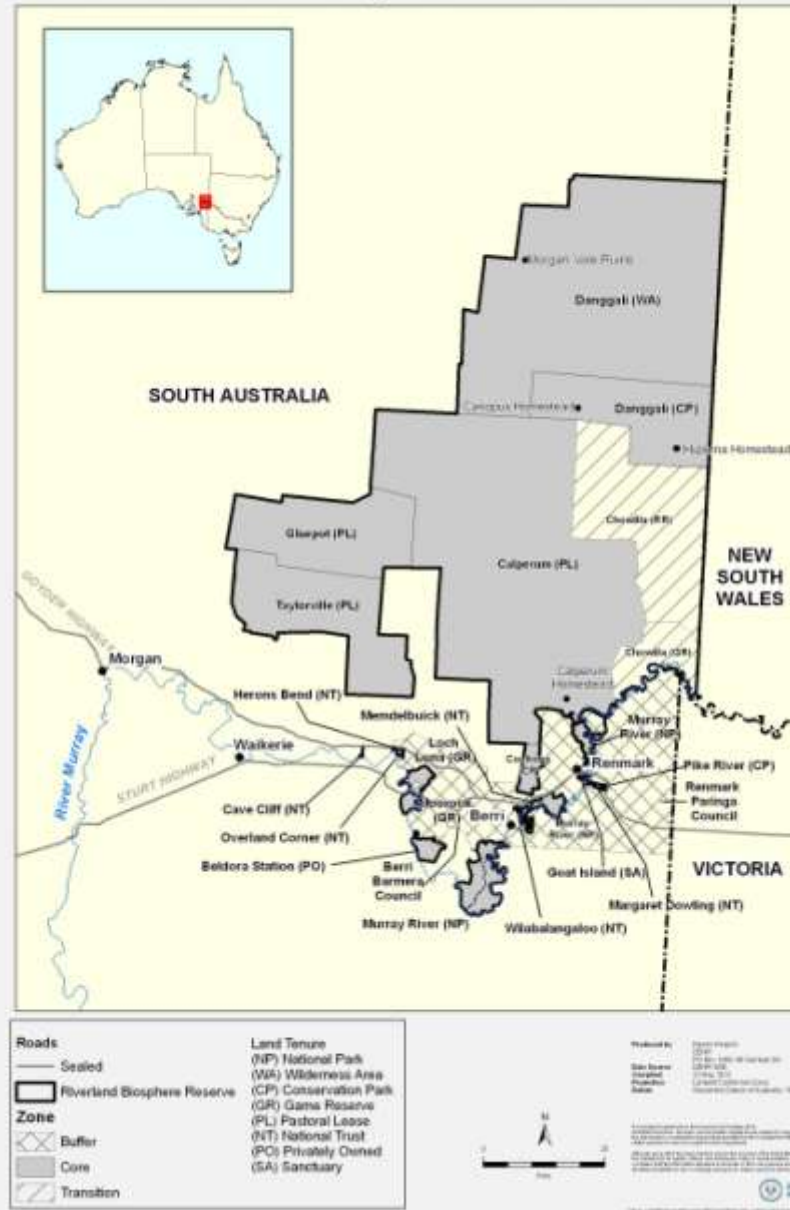


GLUEPOT
RESERVE



Welcome

Bookmark Biosphere Reserve Management Zones





Gluepot Reserve

A national 'iconic' birdwatching and ecotourism destination and a good example of niche market development and partnership building



Background History





Purchase History

- Purchased in July 1997
- At a cost of \$300,000
- Funds raised in 10 weeks



Four elements

- **Biodiversity Conservation & Land Management**
- **Scientific Research & Monitoring**
- **Environmental Education**
- **Ecotourism**





**Biodiversity
Conservation
and
Land
Management**



**Gluepot Reserve
exists for the
protection of all
biota, not just
birds**















Protection of the Gluepot environment

- **Feral and Pest Animal Control**
- **Weed Management**

Introduction of a 'Judas Goat' program

**Enables us to
track and remove
mobs of goats -
via satellite
transmitter
collars placed on
nannies. The
collars are also
utilised for
research
purposes**





**Electrification of the
36 km north
boundary fence was
completed in 2012
and monitoring of
this fenceline has
proved that
electrification is very
successful in
keeping goats out of
Gluepot.**

**In 2013 we built a new
electrified goat proof fence
on the Reserve's 12 km
western boundary**



Fox baiting is undertaken six times per year at almost 100 sites

Two follow-ups are done after each baiting.

We are currently installing 200 new 1080 bait ejector systems in addition to meat baiting.



Weed Management – a long-term committment





Scientific Research
and
Monitoring



Research

19 universities & Research Institutes participate, including a number of overseas universities – eg: University of New Mexico & Wisconsin University.





Monitoring





**Four
Herbivore
exclusion
plots are
used to
monitor
vegetation
condition**





An automatic
weather
station
records
weather
conditions
out on the
Reserve



**Motion
sensing
cameras are
being used
on Malleefowl
mounds to
study
breeding
birds and
feral animal
predation of
the mounds**















Stealth Cam

069 F

02-07-2012 08:47:44





Stealth Cam

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**17 PhD projects
have been
completed on
Gluepot, in
addition to a large
number of MSc
and Honors
projects. Another
PhD project
commenced this
year**



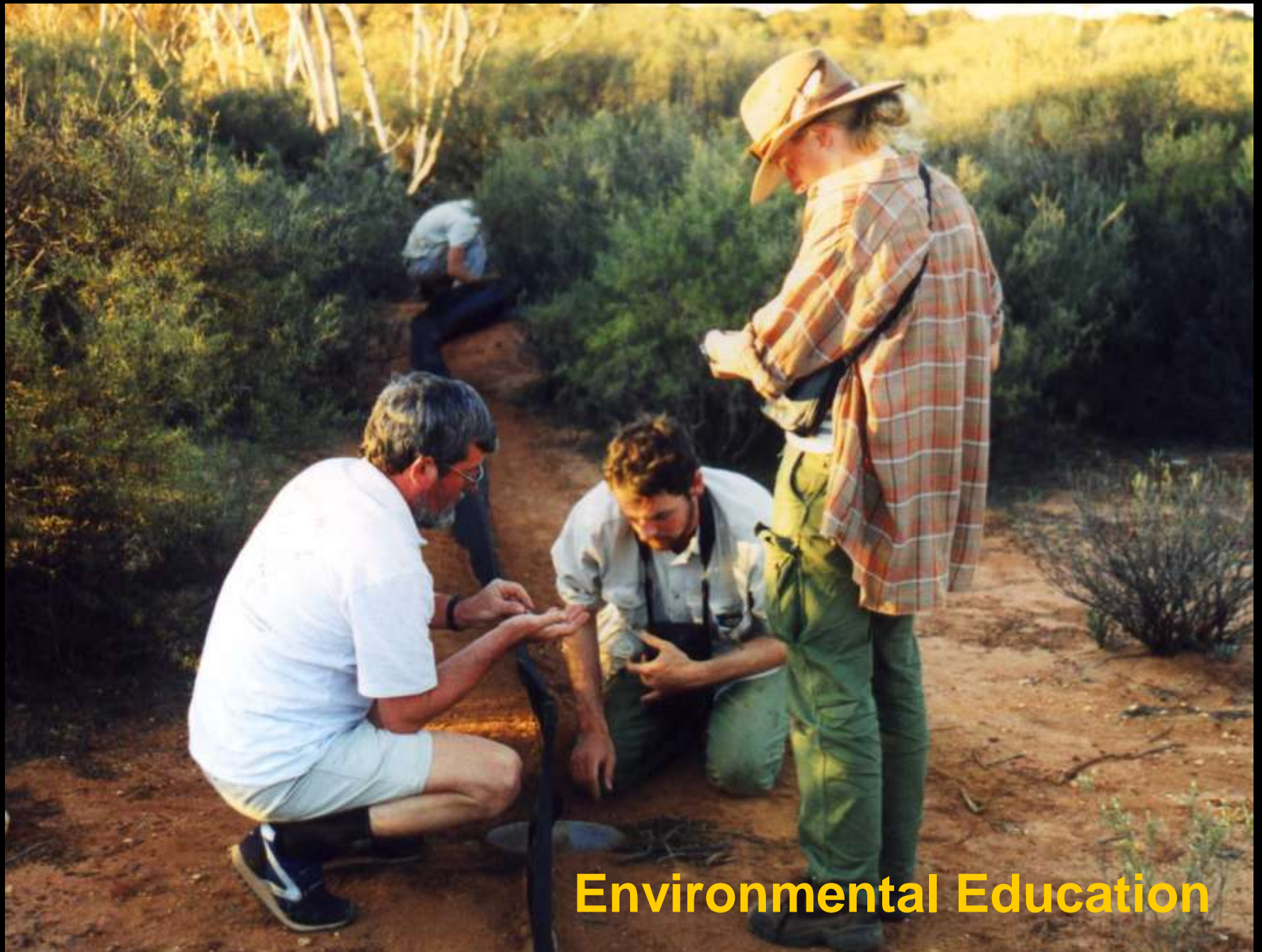
Gluepot is Australia's first permanent bat recording station





**Projects include research on
heritage & history**





Environmental Education



The Murray Harris Environmental Education Centre



Three day course on the 'Bats of Gluepot'



**The Reserve has
designed and built
five bird hides that
overlook bird
watering troughs**





Ecotourism

Accreditation:

Advanced Eco Certification
National Tourism Accredited
Climate Change Certification
Australian Tourism Quality
Assured



Ecotourism



Gluepot Reserve – a national leader in sustainability

- **POWER** (self-sufficient): largest self contained solar power system in the Riverland
- **WATER** (self-sufficient): 80,000+ gallons of rainwater plus dam water
- **WASTE MANAGEMENT**: A leader in re-cycling and reuse of almost all materials (we are known as the ‘Steptoe & Son of the North’)
 - Gluepot Reserve was described by one of Australia’s leading ABC journalist as “one of the conservation miracles of the 21st century”

The Riverlands' largest fully self contained, solar power system





The Reserve vegetable garden



Water tanker used to keep fire fighting tanks filled and the unit for pumping out the pit toilets



**Five double bedroom accommodation
block for volunteers and Assistant Rangers**



19m Steel storage shed



Gluepot is a leader in mallee fire control methodology



Volunteers use a 'flamethrower' to burn the spinafex and a 'blower' to clear leaf litter from the base of trees



Partnerships are the real key to success in today's competitive world

Some of Gluepot' s partners are:

- **Local community members including clubs**
- **Riverland Biosphere**
- **Ecotourism Australia**
- **Riverland Tourism Association**
- **SA Tourism Commission**
- **Murray-Darling Basin NRM Board**
- **The History Trust of SA**
- **19 universities and research institutes**
- **Local Action Planning Associations**
- **Departments of Environment & Heritage (State & Fed.)**
- **A variety of Foundations and Trusts**
- **Riverland Vietnam Veterans Association**



Committee of Management

19 members, providing
a wide range of skills





Annual Budget - Approximately \$100,000



Gluepot Foundation

\$2 million raised to-date





Volunteers

Have donated \$13 million in hours
and mileage over 20 years.





Volunteer Rangers

Come from across Australia and overseas.

Ranger positions are fully booked to the end of 2020

Gluepot
Volunteers
presently
donate an
AVERAGE of
just over
28,000 hours
per year.

40,474 hours
were completed
in 2016





Awards and Grants

42 Major Awards

\$991,879 in grants since 1998



Protection of the land

- **Heritage Agreement – 2nd Largest area in SA**
- **Part of the National Reserve System**
- **On the Register of the National Estate**
- **Protected as ‘critical habitat’ under EPBC Act**



DAMBUSTERS



Between 1999 and 2003, 16 dams were closed on Gluepot



**GLUEPOT IS
HOME TO 22
NATIONALLY
THREATENED
SPECIES OF
BIRDS – THERE
ARE FEW AREAS
IN THE WORLD
THAT SUPPORT
SUCH A
CONCENTRATION
OF THREATENED
SPECIES**



Malleefowl – 400 Breeding pairs on Gluepot



Gluepot is also home to 12 species of bats



Gluepot is also home to 53 species of reptiles – some of which are nationally threatened







And a number of mammals



**Gluepot's large
population of
invertebrates
play a vital role
in the 'food
chain' of the
Reserve**







**The Reserve
has installed
14 excellent
walking trails
and one
vehicle trail**



A 'world class' visitor information centre provides visitors with a wealth of information







Permanent artworks by local artists Garry Duncan and Adrian Webb are a feature of the Centre



The Reserve has a well maintained track system

With the financial assistance of a donor, the Reserve purchased a 12 seater bus





Visitors are encouraged to assist with research projects – where practical











**Gluepot
promotes
local interest
in the
Reserve
through
education,
field days
and local
publicity**





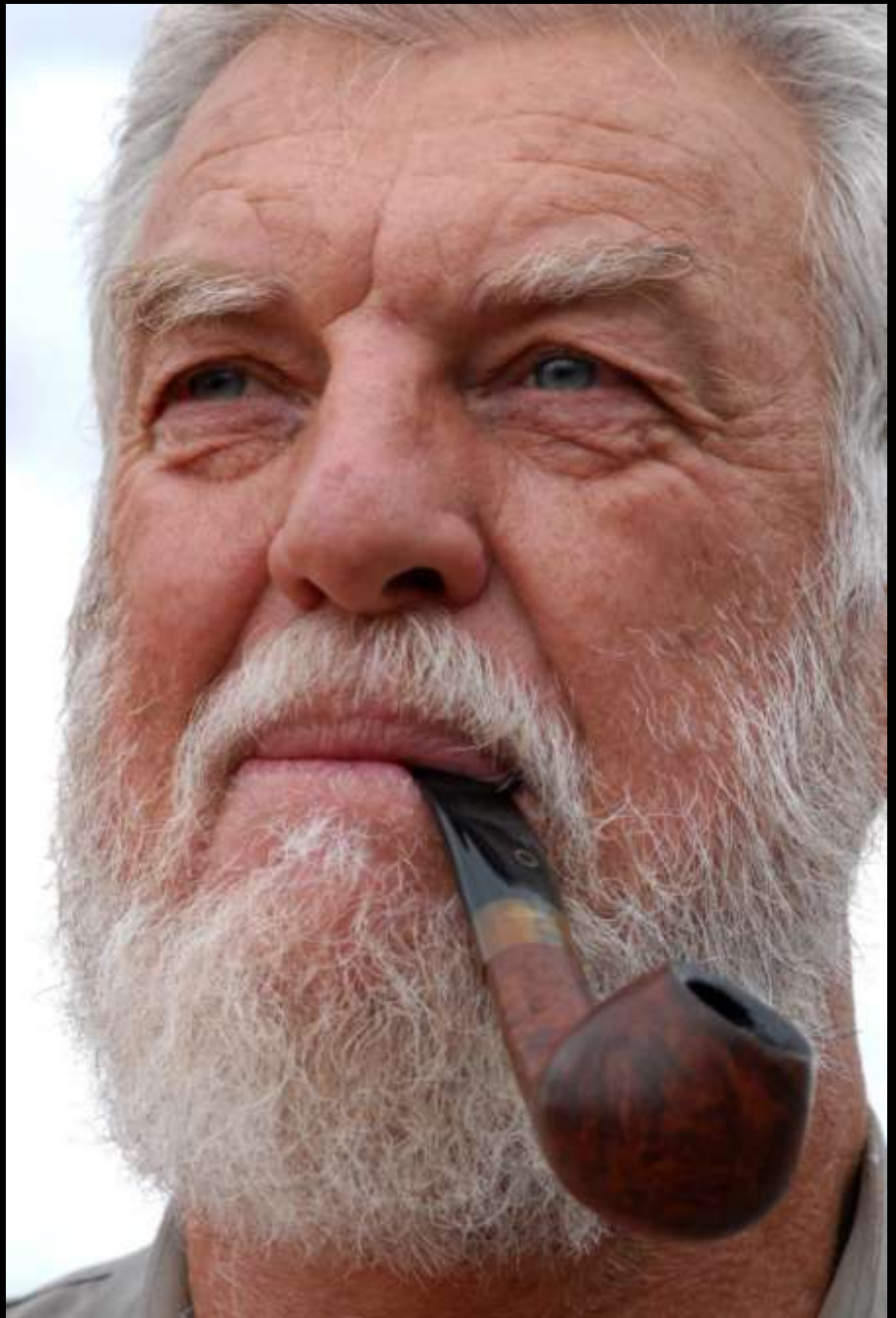
**Our
volunteers
are the
'lifeblood'
of the
Reserve**





**Our volunteers are
the:**

**‘Steel threads
that bind
together the
fabric of the
Reserve’.**





All are a part of 'The Gluepot Family'



**Gluepot Reserve, Australia's largest
community operated and managed
conservation reserve – run entirely by
volunteers**



A 'Friends of Gluepot Reserve' was formed in 2004, and has 100+ members



**Friends projects
include:
revegetation,
weed control,
new buildings**



**Conversion of
existing buildings
e.g. the shearing
shed into an
education centre**









Gluepot Reserve – a reserve with a difference.

Proving that **PARTNERSHIPS** are
the key to success in managing
protected areas



‘A Carbon Neutral reserve’



GLUEPOT

RESERVE

“Protecting and enhancing, our fragile environment for future generations”