



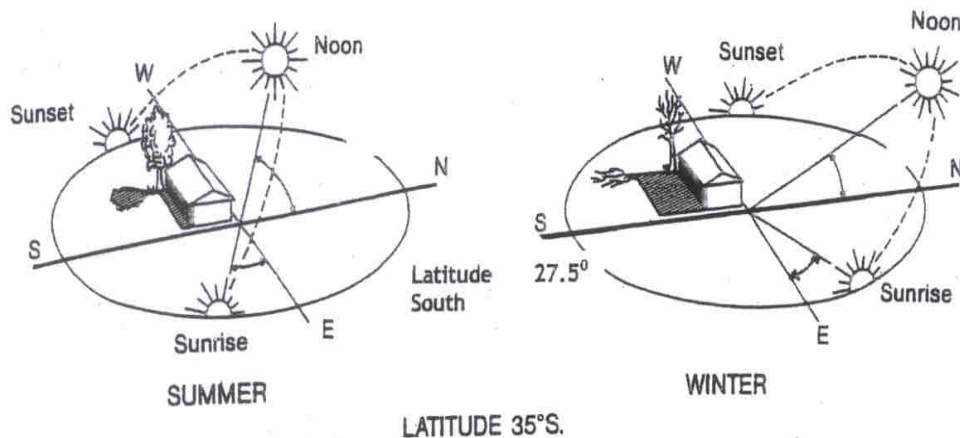
Information Supplement



1 CLIMATE

The Sanctuary has a subtropical climate with moderate temperatures and a concentration of rainfall in the warmer half of the year. Prevailing breezes in summer are typically south to southeast in the morning and northeast to southeast in the afternoon (these are desirable cool breezes). In winter, prevailing breezes are typically from the south to southwest in the morning and southeast to west in the afternoon (these can be cold winds and protection from the southwest is desirable). In the summer, the sun rises so that it is slightly south of east. From there it climbs to be nearly overhead at midday. It then sets slightly to the south of west. In the winter, the sun rises to the north of east and travels low in the northern sky to set to the north of west.

For housing to respond to the climate in South East Queensland (SEQ), design is primarily concerned with heat and humidity and maximising sea breezes. To provide thermal comfort in these conditions some basic principles should be applied to dwelling design. These include the provision of shade, maximum ventilation, and the reduction of heat absorption by a system of permeable light weight and low mass construction which will not store and radiate heat. North facing surfaces and windows (with adequate overhangs) are desirable to allow sunlight to heat walls and penetrate windows in winter, while excluding direct sun in summer through the use of eaves. Breezes should be maximised with windows / openings to the northeast or southeast.



To minimise heat gain in summer:

- Design openings so that cross-ventilation is maximised (e.g. Openings opposite each other facilitate uninterrupted breeze paths;
- Provide covered outdoor living spaces to maximise use of cooling breezes;
- Design fences of a semi-open construction to allow breeze penetration;
- Use light colours on the roof and walls to reflect solar radiation;
- Minimise area of roof lights and windows in the east and west walls;

- Use landscaping, eaves and external shading devices, especially on walls to the east and west and on any windows so that they are shaded and breezes are maintained; and
- Insulate and use roof space ventilation for improved thermal performance.

Water:

- Heating water accounts for around 40% of the energy used in a typical Queensland home. Large energy savings can be made if electric storage hot water systems are replaced with efficient hot water systems such as solar, heat pump and instantaneous gas models. To save energy, individual water heating systems should be positioned close to major points of use and water efficient fittings such as MA rated showerheads should be used.
- The use of water tanks to provide water for gardens is also encouraged.

2 ENVIRONMENTAL PLAN

The Sanctuary is home to a variety of significance species of fauna, and it is important to remind one that “*Living in the Heart of Nature*” has its own set of responsibilities.

Rix Developments is committed to the preservation and protection of this fauna, resulting in a development that will see a sustainable community co-existing with nature.

Protection and conservation of the environment is critical and this is why we have *voluntarily donated 55%* (27.113ha) of the developable land as “*State Forest*” (18.33ha), “*Environmental Park*” (5.331ha) and “*Active Park*” (3.452ha).

Our environmental management plan administered the planting of over 70,000 native trees and plants throughout the Estate. We have installed hardwood hollows in designated areas within The Sanctuary for the protection and conservation of the:

- Barn Owl.
- Brushtail Possum.
- Feathertail Glider and Glider.
- Bat.

Together with the improvement of the conserved wetland area, the eradication and removal of noxious and harmful weed/pest plants, the eco system can now thrive, sustain and propagate future generations.

3 KOALA/FAUNA PLAN

Rix Developments has taken the initiative setting aside 55% of their lands to protect koalas and enhance their habitat. In addition setting aside these lands we have also *planted an extra 5000 feeding trees* in designated areas within the estate. We have also implemented koala friendly tiered fencing bordering

the “State Forest” and a fauna friendly environmental corridor for safe and harmonious passage.

Swimming Pools

Yes, koalas can swim; however, they find swimming pools difficult to exist. To avoid mishaps and to make pools koala friendly, it is advisable that pool fencing, while adhering to Council regulations, be completely koala proof and if not, take the following measures to ensure a koala can exit the pool. Leave a thick rope in the pool with one end attached to a floating device and the other to a permanent structure so the koala can climb out. Alternatively, place an escape board where the koala can easily reach it to climb out.

Neighbourhood Traffic

We have implemented a number of neighbourhood traffic regulations to further protect the fauna and to ensure a safer place to live. These include:

- A maximum speed limit of 20kph.
- Traffic calming devices to ensure speed limits are adhered to.
- Fauna signage located at selected locations to remind residents of the importance of “*Living in the Heart of Nature*”.

Koala Friendly Fencing

One of the biggest obstacles koalas face in urban communities during their nightly movements is fencing. Without too much cost and effort, we can assist koalas with easy movements and quick exits. Some tips for koala friendly fencing include:

- Construct fences around existing trees and vegetation.
- Planting vegetation in close proximity on either side of the fence allowing branches to touch providing a natural ladder.
- Ensure timber panels are spaced to allow koalas to climb.
- Provide continuous fence capping to create a walkway along the top of the fence.
- Place a pole/plank at a 45 degree angle between two supporting piers/upright poles to allow for quick exist.
- Suitably planted hedge allowing passageway while providing an effective barrier.

Cats and Dogs

In accordance with the approved “Development Application” from the Logan City Council, a statutory covenant is in place to further protect the fauna from injury from cats or dogs. This means that no cats or dogs are permitted unless required for hearing or visually impaired persons. Any cat or dog must be approved by Council.