

# Red Sand Cottage Permaculture Design

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- Mapping of Base Plan
- Concept Plan
- Design

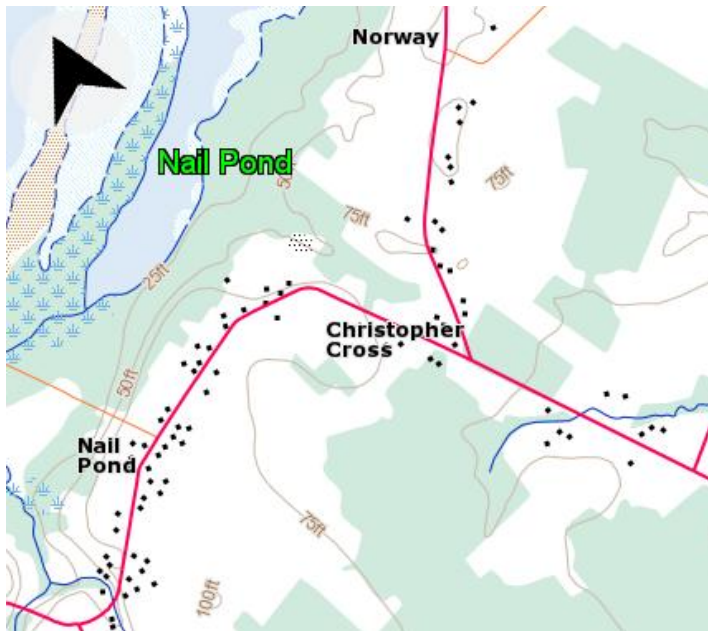
## Mapping

The stages of the mapping process include finding as many existing maps and plans as possible in order to get basic information. This, together with measurements and observations helped us to create the base plan.

We used:

Google Maps & Google Earth

## Topography Maps



One contour line of 75' is shown on the property. From this, it seems that the property is all contained on an area greater than 25' and less than 100'. The elevations can be got in greater detail from maps on Google earth (elevations and co-ordinates of any point on the map are shown as the cursor hovers over each point!).

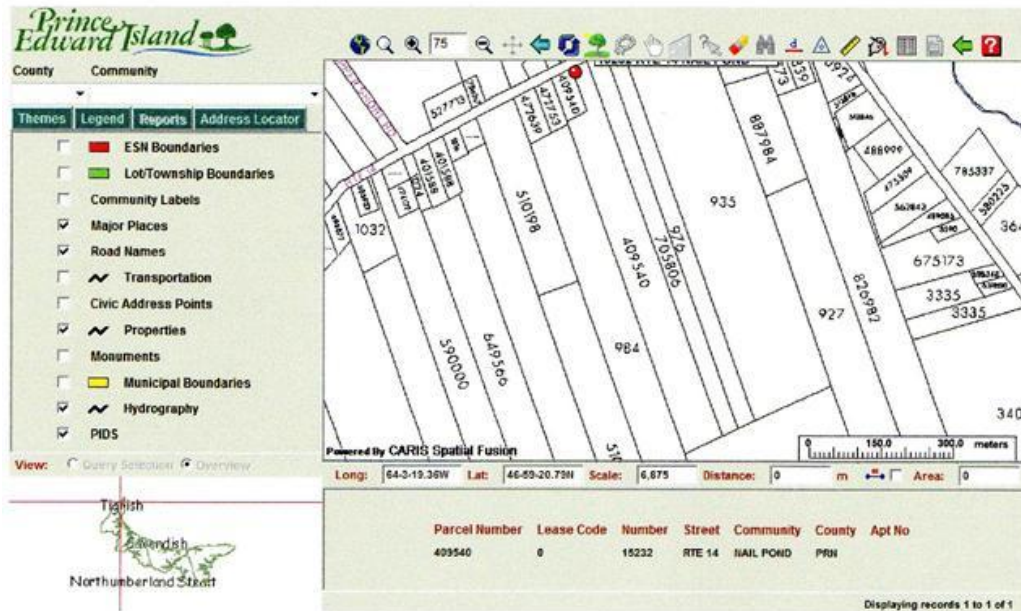
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## Geolinc Plus

Geolinc Plus is a provincial service offering some paid and some free services. It's free to look up your own address and property number and get a map like the one shown below. It has a very handy tool (shown by the ruler) where you can measure a distance and this was a great help. As we are talking about 25 acres here, it would be so hard to try to measure with a tape.

Geolinc Plus - Map

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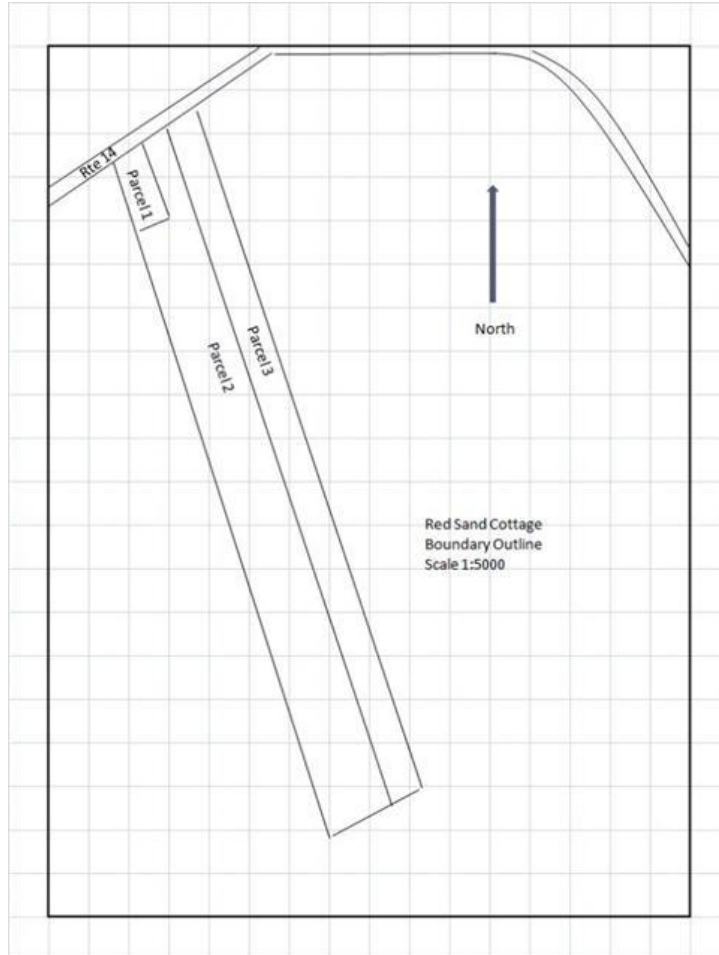


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## Boundary Plan of 3 parcels:

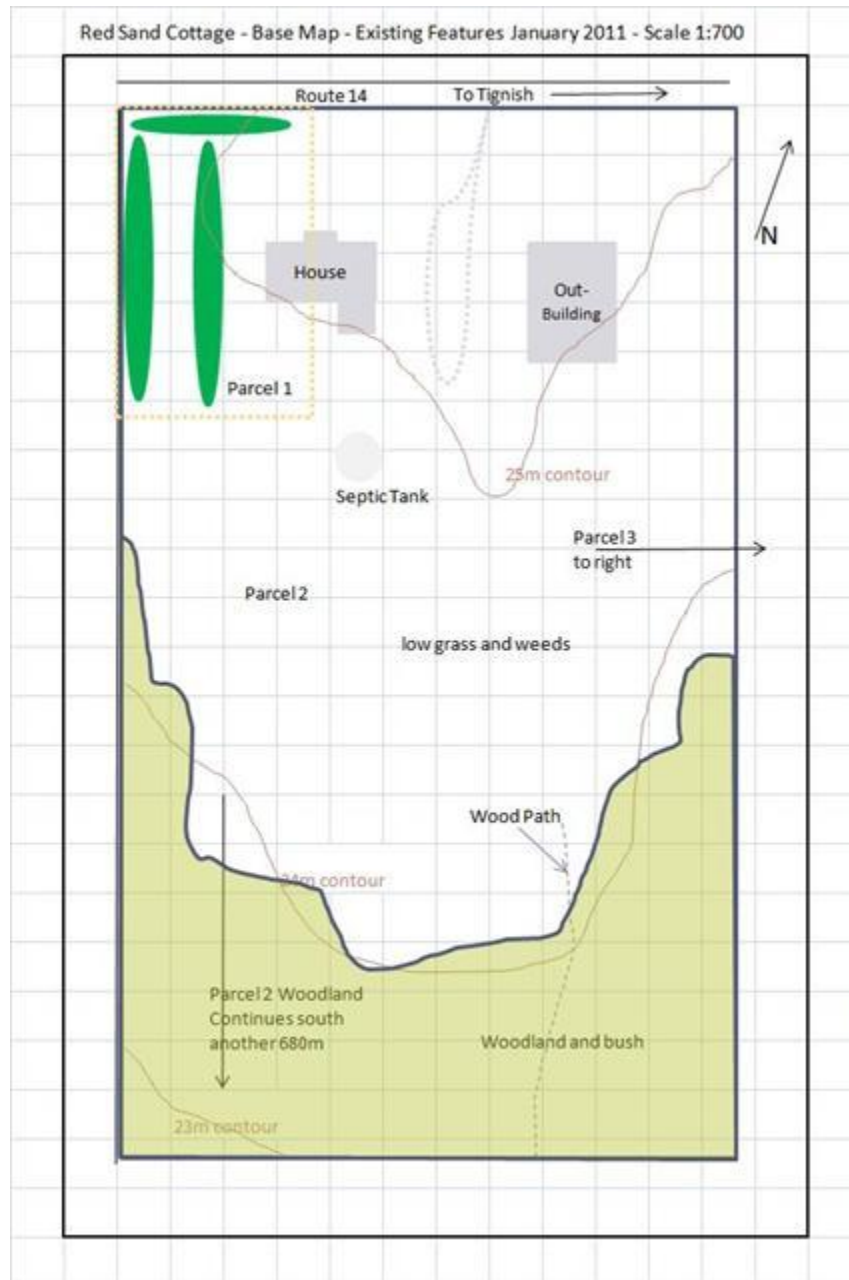
This was drawn by transferring the information from Geolinc onto an Excel spreadsheet. You can change the column and row widths on Excel to create something similar to a piece of graph paper and so can make a plan drawing to scale.



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## Base Map Plotted on Excel

As it is such a long and narrow plot, and as over 20 acres of it are woodland, it is not practical to put the permaculture design elements onto the whole area, so for the purposes of the design I am using Zones 0-4 only, in order to be able to achieve a sensible scale for a concept plan. The homestead plan below is for parcels 1 & 2 and omitting over 600 yards south of woodland. The base map shows the boundaries and the existing features in January 2011.

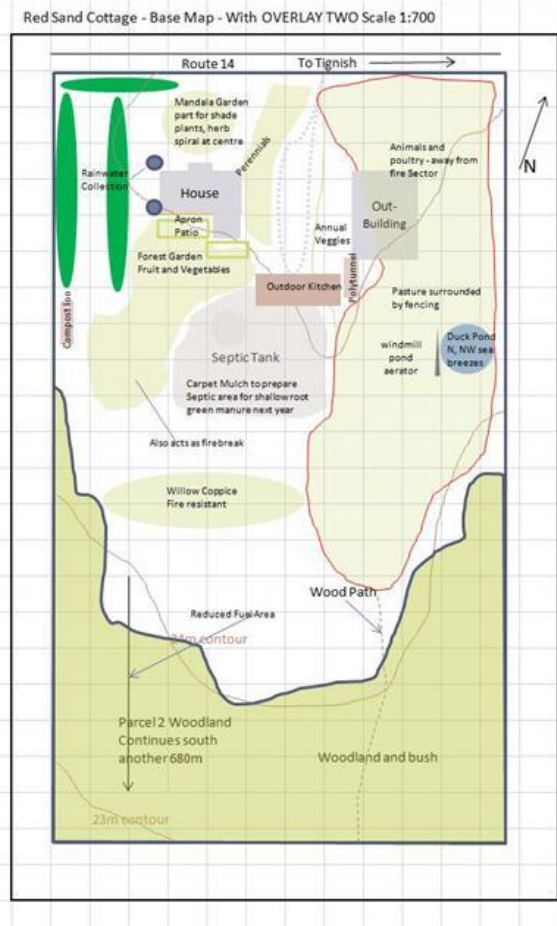
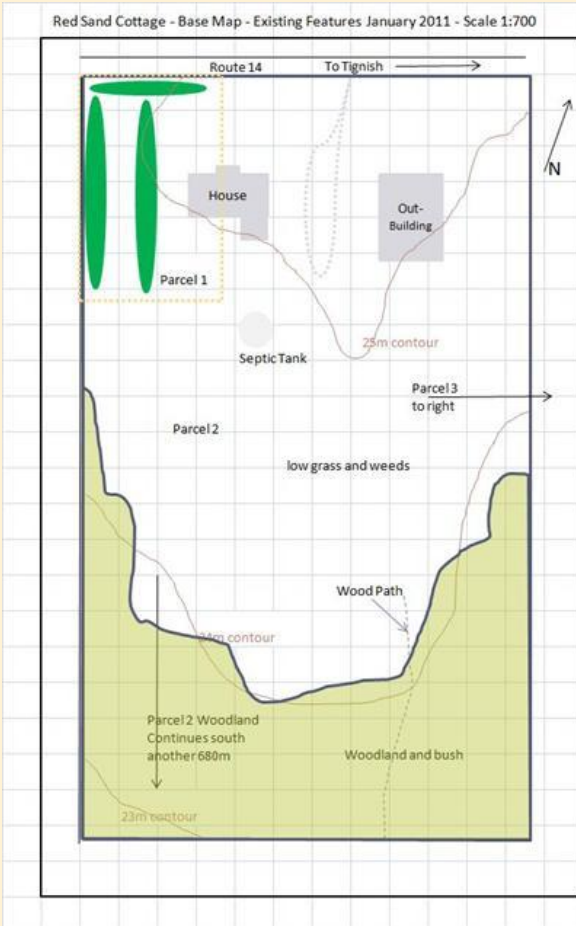


Now that the base plan is prepared, the next stage is to go on to prepare a concept plan and then final design.

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## Concept Plan

Starting with the base plan two overlays to arrive at the concept plan, a schematic of major elements and how they connect with each other with their approximate location on the site.



Detailed Design to Follow