PROBLEM  
Over the last ten years and into the future Western Australia’s economy, our environment and our communities face their biggest challenge…

A DRYING CLIMATE!

They face reduced rainfall, the growth of the state’s agribusiness and industry, an expanding urban footprint and increasing diversity of sport and recreation pursuits which leads to a growing demand on valuable potable water for a range of uses.

In the face of this challenge we continue to discharge billions of litres of wastewater into our environment every year as a waste product, instead of considering it as viable source of water.

Wastewater is 99.97% water (not solids or dissolved material) thanks to the water from our showers, baths and washing machines. With the right treatment it has a myriad of uses.With an assembly of 113 Water Corporation wastewater plants currently available in Western Australia, there are innumerable opportunities for the effective and efficient utilisation of wastewater in a more sustainable manner.

* So what is being done about it?
* How do we know where to access it?
* What tools are available to assist?

**So what is being done about it?**

The Water Corporation has a strategic target of 30% of the output of their wastewater treatment plants will be recycled by 2030. <insert pretty graph here>

In 2013, 13.6 % of wastewater inflow to Water Corporation wastewater plants was recycled for a variety of uses such as:

Agriculture:   
•    Pasture/fodder  
•    Trees/woodlots  
•    Viticulture  
Community facilities  
•    parks and gardens  
•    sporting facilities (including golf courses)   
Industrial and commercial  
•    Cooling water  
•    Dust suppression  
Environmental  
•    Recharging wetlands   
•    Enhancing surface water body flows

Local governments and community groups are becoming more aware that this water is available and are seeking information on the availability and viability of recycled water.

**How do we know where to access it, and what tools are available to assist?**

Currently it’s not easy for community groups, farmers or industry to find the information that they’re looking to determine where water is available. They can be referred a variety of agencies without necessarily ending up with the pertinent information.

As an alternative this could be helped by having a basic, web-based first-run filtering tool to help determine where accessing and using recycled wastewater is feasible, combined with links on how to access the water, would help facilitate the information gathering process. It can also provide the most up to date information and integrate sources of information from other stakeholders that may not usually be visible.

So this is what Violet Pipe Dreams’ has created.

**The Water Finder** web portal harvests and pipes the information from government silos to you, the user, enabling decision makers across the board to make future decisions, today.

The portal layers the data in an easy-to-use format that visually represents the user’s preferences over a Google Maps interface (base) to suit either a simple single layer through to a complex mix of sources. The portal includes a simple form to determine viability (an indicator of preliminary feasibility).

Supporting this interactive project is a website with purposeful resources for a range of end users. This adds depth to its functionality by linking end users to resources and guides about the relevant policy frameworks associated with the use of wastewater as a resource. This also provides greater purpose for the capture and analysis data under which it was compiled and enables greater use into the future, particularly as more data sets avail themselves and data mining is enabled to aid in addressing the pertinent issue of water sustainability for Western Australians.  
WHAT IT DOES  
•    Website  
•    Case Studies  
o    Western Australian  
♣    McGillivray Oval  
o    Interstate  
♣    Casey Fields, City of Casey  
♣    Melbourne Cricket Ground (MCG) (Home of the AFL Grand Final and Boxing Day Test)  
♣    Clyde Growers (60 vegetable growers)  
♣    Cranbourne Racecourse  
♣    Various Golf Courses  
♣    Flemington Racecourse (Home of the Melbourne Cup)  
•    STRATEGIC JUSTIFICATIONWHAT DATA SETS>?  
V1  
•      
V2  
•      
V-FUTURE  
•    Data mining to extract items of high public value  
o    Active and passive reserve and parks