

## **Preliminary Groundwater Investigation Results – Williamstown NSW**

**20 October 2015**

### **Executive Summary**

During early September 2015, NSW EPA and NSW DPI Water collected water samples from accessible registered bores within the original Investigation Area. This was done to provide preliminary information about potential exposure pathways of water users within the Investigation Area while awaiting results from the Defence-led sampling of unregistered bores.

Additionally, Hunter Water Corporation provided NSW EPA with a summary of analytical sampling data from selected pump stations within the vicinity of RAAF Williamstown.

In the absence of Australian guideline criteria, bore water results were screened against the United States Environmental Protection Agency (US EPA) Drinking Water Guidelines (DWG) for PFOS (0.2 µg/L) and PFOA (0.4 µg/L).

Bore water sample results are generally consistent with groundwater results reported in the Stage 2 report undertaken by Defence. PFOS concentrations are highest near RAAF Williamstown, and decrease away from the base. Concentrations exceeding the 0.2 µg/L DWG for PFOS were measured in two (2) samples collected adjacent to the base, while PFOS concentrations in three samples collected from properties along Cabbage Tree Road were below the laboratory reporting limit (0.02 µg/L).

A summary of the Groundwater Sampling Data is provided in **Figure 2** over the page.

