

Central Coast Drinking Water Source Documents for HSC Chemistry (Module 9.4: Chemical monitoring and management)

1. Introduction

This PDF document, **Central Coast Drinking Water**, addresses the following statement on page 61 of the NSW HSC Chemistry Syllabus:

“gather, process and present information on the features of the local town water supply in terms of

- catchment area*
- possible sources of contamination in this catchment*
- chemical tests available to determine levels and types of contaminants*
- physical and chemical processes used to purify water*
- chemical additives in the water and the reasons for the presence of these additives”*

(Source: NSW HSC Chemistry Syllabus, Section 9.4 Chemical Monitoring and Management).

Its purpose is to complement the excellent teaching/learning module '**Water Quality: HSC Chemistry**' produced by the Sydney Catchment Authority (see SCA at <http://hsc.sca.nsw.gov.au/chemistry/introduction>).

Specifically, this document presents information for students and teachers on the Central Coast of NSW; information about the local water supply that will enable students to address the Chemistry Syllabus dot points in familiar terms and with relevant examples.

This document does not attempt to deal with the broader issues of water testing purposes and methodology prescribed in the Syllabus. These issues are already well treated in the SCA module.

Rather, the materials here are selected secondary sources that will assist Central Coast students to better understand the particular features of their Water Supply system and the regimes in place to monitor and ensure that high quality drinking water is available for all residents. These secondary sources should enable Central Coast students to complete the kind of assessment task suggested on the SCA webpage

http://hsc.sca.nsw.gov.au/chemistry/drinking_water/report.

