

Year 11 Unit Outline For Unit 2

Managing Catchments (Focus on Flooding)

Key Questions for the unit	Suggested time & Scale	Thinking skills, linked to common curriculum elements	Learning Experiences	Learning Experiences
1. What is a catchment?	2 – 3 hours Regional (SEQ) and National (Great Dividing Range/Murray Darling Basin)	Recognising Recalling Visualising	Mapping tasks – identifying and marking Great Dividing Range and Murray/Darling River Basin Using data supplied	Gathering information from Media Interpreting and constructing maps
2. What are the natural processes that work or interrelate in a catchment?	SEQ/Wivenhoe Catchment (Local/Regional)	Interpreting Recording Graphing Explaining to others Compiling results Classifying	Research to compile History Road of major flooding in Australia Examine and Empathise/Sympathise with Stakeholder view points – 2011 floods (Lockyer Valley, Brisbane & Toowoomba)	Sketching & Map overlays Interpreting aerial photographs Software/freeware (Google Earth)
3. What are the social, economic, political and physical impacts of catchments?	3 - 5 hours SEQ/Wivenhoe Catchment (Local/Regional)	Analysing Comparing & contrasting Recognising Explaining to others Expounding a view point	Research Case studies – 1974 & 2011 Brisbane floods – looking at short & long term responses and ramifications Role-play Stakeholder view points – Proposed Traviston Crossing Dam project Mind Mapping & flow charts	Sketching Gathering information from Media Constructing flow charts Work in focus groups Interpreting photographs
4. What is being done or could be done to manage, minimise or rectify these impacts?	3 – 5 hours Local (Brisbane) as well as Regional (SEQ) focus on flood mitigation and catchment management	Hypothesising Justifying Criticising Judging/Evaluating	Interview/class discussion with Local Authority Officers (SES) Examine local regional management plans for disaster management and mitigation (Flood) Review Environmental Impact and mitigation	Reviewing conclusions/decisions Mapping & geographic conventions Graphing & interpretation Gathering information

