



## Tweed River Entrance Sand Bypassing Project (TRESBP)

[www.tweedsandbypass.nsw.gov.au](http://www.tweedsandbypass.nsw.gov.au)

### NOTES FOR TEACHERS

Sand bypassing at the Tweed River and southern Gold Coast makes an engaging coastal management study. The case study is a contemporary Australian example, and sand bypassing information in the case study is specific to TRESBP.

#### Information available

There is a great deal of information on the TRESBP website of interest to those studying coastal management. The PDF sheets offered on the “Education” page are fact sheets and case study material. The case study is written for year 10 geography coastal management—the interplay of physical and human geographical processes, management measures adopted, outcomes, and the balancing of all elements. The case study can, however, be adjusted for other levels.

#### Using these resources

There are four PDF worksheet documents, each of 2 pages, with review questions and extension activities. The worksheets focus on understanding and interpreting information; reviewing and considering impacts and perspectives; and considering factual material, maps, graphs and charts. Activities also include students using and experiencing spatial technologies.

- Worksheet 1 is a review of the TRESBP basics. Fact Sheets 1 & 2 are an excellent TRESBP summary.
- Worksheet 2 explores maps and map skills using TRESBP and its location.
- Worksheet 3, Geographical processes has questions linked to TRESBP Case study part 1.
- Worksheet 4 has review questions and activities based around Case Study part 2, 3, 4 and 5. It also has a research report with a geographic inquiry in-line with the Australian Curriculum.

All worksheets list required reference material at the top of the sheet. The TRESBP Education webpage also has a list of useful (external links).

#### Curriculum

The resources link to coastal management as the focus issue in Focus Area 5A3: Issues in Australian Environments (NSW Department Education curriculum). One focus area is covered, not all the 5A3 Focus Areas. Many schools undertake field trips to the Gold Coast region or examine the area virtually using spatial technologies such as Google Earth and other resources that teachers may have. This is an excellent resource to fit in with this. This resource is also an opportunity to meet the following from Queensland Studies Authority’s Year 10 Geography Learning Area document: a range and balance of scales of study (local, regional, national) when examining the movement of sediment along the eastern Australian coastline as well as the importance of the Gold Coast to Australians as a place of recreation and international tourism; a balance of human and physical geography in examining natural coastal processes and the ways in which humans have (positively and negatively) influenced those processes: and geographical inquiry through the coastal management research task.

This resource fosters many of the skills highlighted in the *Shape of the Australian Curriculum: Geography* (ACARA 2011). Skills such as: developing a sense of place, geographical thinking, exploring perspectives, understanding individual and community influences, drawing conclusions based on evidence, geographical inquiry, and using spatial technology.

#### Who developed this resource

This education resource was prepared by a writer on behalf of TRESBP, and in consultation with both NSW and Qld curriculum specialists and geography teacher/consultants.

TRESBP wishes you every success with this resource.

