

CIVL3140 CATCHMENT HYDRAULICS
FIELD TRIP ON WEDNESDAY 9 SEPTEMBER 2009

When ?

Wednesday 9 September 2007
Departure from UQ St Lucia, **Chancellor Place** 11:00am
Return at St Lucia campus before 17:00

What to see ?

Storm waterway systems & dam spillway

What to bring ?

Sturdy clothes and shoes
Hat, sunglasses and sun screen.
Insect repellent
Pens, Paper, Camera.

Safety Officer

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The purpose of the visit is to introduce undergraduate students to existing real-world problems and hydraulic structures: e.g., culverts, spillway system. The students will be confronted to prototype situations (i.e. full-scale) and they will be able to compare these with laboratory models (e.g. culvert experiment). The visit will show also practical details which must be considered during design stages: e.g., rest area and pedestrian access to a dam, access road to a dam, low-flow channel and access to a culvert. All the structures to be visited are located in the Brisbane area.

The site visit is organised as part of the subject CIVL3140. The visit is scheduled on Wednesday 9 September 2009 (1/2 day). Two sites will be visited: a storm waterway system in an urbanised area and a dam spillway. The students will be asked to write a short report on the visit.

During the first visit, we will walk through a series of waterways and culverts and look at the characteristics features of the system, including some minimum energy culvert: inlet, outlet and barrel. At the second site, we will inspect a dam and its spillway. We walk on the dam crest first. Then we will inspect the existing spillway. The students will be asked to sketch the present spillway and its weir crest design.

The buses (Brisbane Bus Line) will depart from Chancellor Place, St Lucia campus (opposite to the BCC bus stops) at 11:00 am. We will return before 17:00.

It is recommended to wear **strong clothes** (shorts or pants) and **solid shoes**. Enclosed shoes only: *no thongs*. Hat, sunglasses and sun screen are advised strongly. Bring a raincoat if showers are forecasted. Bring some water (bottled drinks).

Each student must be equipped with pens and pencils, papers and a battery-operated calculator. Bring your lecture notes, textbook, relevant materials.

The site visit report will be due on Wednesday 9 September 2009 at the return of the field trip (i.e. before 5:00 pm). No report will be accepted after the deadline. The site visit and the companion report are worth **8% of the CIVL3140 course assessment**.

SAFETY

- + Do not walk into a culvert nor a spillway during flood periods.
- + Do not attempt to drive/ride on any road during a flood period.
- + During the visit, be aware of and very-careful with cars, bicycles and vehicles. When exiting from the bus, watch for the traffic.
- + **Good common sense is recommended to avoid any injury:** e.g., do not jump from walls, watch your steps.
- + It is strongly advised to wear adequate shoes or boots. Strong clothing is recommended, incl. shorts and trousers. Dress and skirts are not advised.
- + Hat, sunglasses and sun screen are very strongly advised.
- + Bring some plenty of water to prevent de-hydration.
- + **Switch OFF mobile phones. They are a source of distraction.** They should only be used in emergency.
- + Wear **strong clothes** (shorts or pants) and **solid shoes**.
Enclosed shoes only: *no thongs*.
- + Hat, sunglasses and sun screen are advised strongly.
- + Bring some water (bottled drinks).