

FIELD TRIP 2 | RESTORATION WORKS HAUGHTON PIPELINE
DUPLICATION AND OTHER TCC ROSS RIVER ESC WORKS

This field trip will be hosted by representatives from Revegetation Contractors, Townsville City Council and Ardent Group.

The Haughton Pipeline Duplication pipeline corridor was established from the Haughton River to the upper reaches of the Ross River Dam. The drive is approximately 45 to 60 mins from Townsville to the project site.

The corridor created a construction footprint that transacted a number of watercourse and riparian vegetations (creek and intermittent drainage lines). You will viewing the various restoration works along this route.

The Ross River sites were complex stabilization works.

In brief, the sites visits will demonstrate the use of good principles and fundamentals of ESC and the results that can occur in achieving soil and bank stability and biodiversity including address essential habitat requirements such as the Black Throated Finch.

In particular, the need to understand the physical and chemical nature of soils as well as the design and implementation of adequate drainage and erosion

The field trip will take in sites relevant to the project including:

- the successful Revegetation works program of Stage 1 of the Haughton Pipeline Project (TCC), and
- the cutting-edge Erosion and Sediment Control works on the Ross River (TCC).



ITINERARY

Time	Activity
8:00am	EIANZ field trip 2 departs from The Ville, Townsville
9:00am	Bus arrives at Haughton Pipeline site
9:05am	Disembark from bus
9:10am	Begin site visit
10:30am	Morning tea on the banks of Major's Creek (in restoration area)
11:00am	Haughton site visit
11:30am	Ross River site visit
12:30pm	Site visits conclude
12:30pm	Lunch
1:30pm	Bus to depart for The Ville
2:30pm	Arrival back at The Ville, conclusion of field trip

FIELD TRIP 3 || TOWNSVILLE PORT AND TOWNSVILLE RING ROAD 5 (TRR5)

This field trip will be hosted by representatives from Townsville Port, and Townsville Ring Road 5 project team (TMR and Georgio Group Contractors).

The Port of Townsville is Northern Australia’s largest container and automotive port, and the country’s leading exporter of copper, zinc, lead, sugar, fertiliser and molasses. Located in the heart of Northern Australia’s largest city, the Port handles more than 30 diverse commodities and is a strategic defence and cruise port.

With the recent Port expansion, the environmental constraints involved will form part of the presentation in addition to the Sustainability aspects associated with delivery and operation of the expansion project and the general operations of the Port.

Townsville Ring Road 5 Project:

The project will duplicate the only remaining 2-lane section of the Townsville Ring Road between Vickers Bridge and Shaw Road. The 6km project will also include construction of an interchange at Beck Drive, with new on and off-ramps to provide access for all directions of travel.

In addition to improving road safety and traffic efficiency, the project will improve local connectivity to important employment centres and essential services in Townsville, including Lavarack Barracks, James Cook University and Townsville University Hospital. Construction works are underway on site, including earthworks and bridge construction works.

In brief, the project will demonstrate the use of good principles and fundamentals of ESC and the results that can occur in achieving soil and bank stability and biodiversity including address impact mitigation associated with the Black Throated Finch.

A presentation will be provided to outline the sustainability aspects that are involved in the project delivery model in addition to a field tour of some of the important areas on site.

PPE Requirements include long sleeved pants and shirts, and steel capped boots.

ITINERARY

TIME	ACTIVITY
8:30am	EIANZ field trip 3 to meet at The Ville to transport to the Port
8:40am	Arrive at the Port
8:45am	Site tour of the Port
9:15am	Port presentation
10:00am	Morning Tea
10:30am	Board bus for TRR5
11:00am	Arrive at TRR5 site
11:15am	TRR5 presentation
12:00pm	Lunch
12:45pm	Tour of the TRR5 site
1:45pm	Board bus to go back to The Ville
3:00pm	Arrival back at The Ville, conclusion of field trip



EIANZ

SHAPING THE FUTURE
OF THE ENVIRONMENT PROFESSION

ANNUAL CONFERENCE

26 - 28 October 2022 | Townsville, QLD

FIELD TRIP 1 | MAGNETIC ISLAND AND REEF RESTORATION

Enjoy beautiful Magnetic Island, part of the Great Barrier Reef World Heritage Area. Reef Ecologic are thrilled to showcase some of the inshore reefs, which host a variety of interesting marine critters. We will visit snorkel trails and you will have the opportunity to assist in reef restoration, helping to control algal overgrowth on the corals. We will also introduce citizen science methods, including iNaturalist, so that you will have some new tools to take home and use in your own local natural areas. This date falls during the Great Southern BioBlitz event, so any observations taken can be added to this project that spans the southern hemisphere. If we're lucky, we have the chance to see sea turtles, moray eels or even epaulette sharks. We are excited to get you in the water and share our knowledge about the marine environment.

Note: Only 20 spots available on this field trip.

#GSB22
28 - 31 October

Citizen science at Magnetic (Yunbenan) Island

5,713 observations1,441 species808 keywords338 contributors

Goldstripe Butter...
(Chaetodon aurofasciat...

62 observationsCC

Chinese Demoise...
(Neogomphosoma)

55 observationsCC

Spotted Coral Gr...
(Pocillopora maculata)

46 observationsCC

Bengal Sergeant
(Acanthaluteres bengalensis)

43 observationsCC

Spanish Flag Sna...
(Lutjanus carponotatus)

40 observationsCC

Longfin Rock...
(Osteichthys longirostris)

38 observationsCC

Spiny Chromis
(Acanthochromis polyac...

35 observationsCC

Goldspotted Swe...
(Plectrocinchus flavoma...

24 observationsCC

Lined Butterflyfish
(Chaetodon lineatulus)

20 observationsCC

Blackspot Snapper
(Lutjanus fulvus)

20 observationsCC

ITINERARY

TIME	ACTIVITY
8:00am	Leave The Ville and walk to Sealink Ferry Terminal
8:30am	Reef Ecologic meet EIANZ group at Sealink Ferry Terminal
8:45am*	Sealink Ferry to Magnetic Island
9:10am	Arrive to Magnetic Island, transfer to Geoffrey/Nelly Bay
9:30am	Introduction to citizen science and reef restoration
10:00am	In-water activity 1 - Snorkel trail and iNaturalist
11:00am	Morning tea
11:30am	In-water activity 2 – Reef restoration through algal control
12:15pm	Lunch
1:15pm	Onshore activity – Beach cleanup and AUSMAP microplastics
2:00pm	Debrief, collect gear for return and transfer to ferry terminal
3:00pm**	Sealink ferry to Townsville
3:20pm	Arrival back in Townsville, conclusion of field trip