

2019

ENVIRONMENTAL AWARDS  
PROSPECTUS



# ***PORTS NORTH - ENVIRONMENTAL AWARDS***

**“PROTECTING OUR ENVIRONMENT”**

**2019**

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**TO:** BIOLOGY, MARINE SCIENCE, CHEMISTRY, EARTH AND ENVIRONMENTAL SCIENCE, and GEOGRAPHY

*Other science students by negotiation with Awards Coordinator*

**FROM:** PORTS NORTH

**TOPIC:** ENVIRONMENTAL AWARDS – ‘UNDERSTANDING and PROTECTING OUR ENVIRONMENT’

**Ports North** is responsible for managing and developing all ports north of Mourilyan, with the exception of Weipa. Ports include Cairns, Cape Flattery, Cooktown, Burketown, Karumba, Mourilyan, Quintell Beach, Skardon River and Thursday Island. Additionally Ports North has a range of Strategic Port Land and properties across its ports.

Ports North strives for excellence in environmental management and has high standards and expectations in relation to environmental performance of our Port operations, contractors working for us, tenants and port users at our Ports.

Ports North are proud to be a sponsor of these awards, which is a joint initiative of Education Queensland, North Queensland secondary schools and the Business Liaison Association. The objectives of the award are to -

- foster a greater awareness of issues effecting the local and regional coastal environment;
- promote and encourage careers within the environmental and science industries; and
- give students experience in collecting samples and analysing environmental subject matter.

We look forward to reading your submission.

## ELIGIBILITY

The awards are open to senior secondary students in years eleven (11) and twelve (12) currently participating in biology, marine science, chemistry, geography, earth science and earth and environmental science or other science subjects. They must have attained a high achievement or better on the school assessment.

## STUDENT REQUIREMENTS

- The assignment shall be to carry out a **field study**, student experiment or investigation-field report. This is to be carried out in the catchment of your **local creek, river estuary or beach**, which shall be subject to your area and teacher responsibilities.
- The best two (2) assignments from your school (completed in the period since 1 January through to October 2019) shall be submitted for entry into the Awards.
- The bursary has prize money of \$1,000 for First Prize, \$700 for Runner Up and two by \$400 Encouragement Awards. Bursary funds will be required to go towards further studies.
- Guidelines - Refer to *Page 7*.
- The panel will consist of representatives from Ports North and at least one representative who is a local senior school Science Teacher and an academic from James Cook University.
- The panel's decision will be final and no correspondence will be entered into.

## TEACHER INSTRUCTIONS

- Provide a copy of the total package for interested students.
- Highlight to students the requirements listed above, selection criteria guidelines for submission and closing date for applications.
- Laboratory only studies will not be considered, and a visit to the local waterway or catchment is to form part of the project.

- Please circulate and advertise the flyer and entry info via posters (*Page 7*) on notice boards around the school or circulate via school e-newsletters.
- A registration fee \$88.00 (inc GST) per school is required, and an Invoice will be issued once all of the entries from the school have been submitted (i.e. schools pay one registration fee and may enter several students for this award). The invoice will be issued to allow electronic payment to be made. Contact the Awards Coordinator for details.
- Complete one registration form (*Page 8*) for the entries from each school.
- Teachers are to pick the top two (2) entries and forward student entries along with the student application form (*Page 9*) to:

“Environmental Awards Coordinator”  
 Allison Sneddon  
 C/- Redlynch State College  
 Jungara Rd REDLYNCH 4870  
 Email: [asned2@eq.edu.au](mailto:asned2@eq.edu.au)

The closing date for all student applications is Friday 11<sup>th</sup> October 2019. Applications will not be considered unless the registration fee has been submitted.

## MARKING GUIDELINES

Entries will be assessed against the following criteria:-

- Presentation – conformance to standard investigation reporting format for the type of investigation, generally consistent with the following science and geography formats.
- Science assessment (applies to year 11 students in 2019 only) is to follow the format:
  - Rationale, research question, methodology, data, analysis, evaluation, conclusion, references.
- Geography format is to follow the format:

- Introduction, methodology, body (analysis and interpretation), conclusion, references, appendices.
- Quality of data gathered, e.g. precision, accuracy, thoroughness, application.
- Quality of the analyses and interpretation of the results.

Use of the research to draw conclusions in a local and regional context.

**PLEASE NOTE: Student work should be photocopied or scanned and be sent with the application form to the above address. A cover sheet for each report is to be provided.**

## IMPORTANT DATES

### INFORMATION PROSPECTUS

**ISSUED TO SCHOOLS:**                      **July 2019**

**SUBMISSION OF ENTRIES:**              **Friday 11<sup>th</sup> October 2019**

**JUDGING:**                                      **October 2019**

**PRESENTATION:**                              **Thursday 28<sup>th</sup> November 2019**  
**at Pullman Cairns International Hotel,**  
**5.30pm- 7.30pm**

Teachers please encourage students to challenge themselves when carrying out this assessment because good work will see great rewards not just academically but financially as well.

If you require any further information please contact me on (07) 4039 9205 or via my direct email [asned2@eq.edu.au](mailto:asned2@eq.edu.au)

Kind regards

Allison Sneddon  
***Environmental Awards Coordinator***  
***Redlynch State College***

# GUIDELINES

The assignment should keep to the following guidelines:

- A field study, or combined lab and field study, should be conducted to investigate linkages between catchment health parameters (water quality, sediment, plants, seagrass, marine/freshwater animals) and interpretation of land use impacts on the biotic and abiotic factors of a natural system.
- Results should be interpreted in the context of local and regional catchment health, including possible influences on the Great Barrier Reef Lagoon.
- The assignment should be submitted in the standard QCAA format and be of sufficient content to address the following:
  - Science format - Rationale, research question, methodology, data, analysis, evaluation, conclusion, references
  - Geography format – Introduction, methodology, body (analysis and interpretation), conclusion, references, appendices
- Students should utilise an Appendices for raw data/results when a series of experiments are conducted.

Listed below are some comments provided by the Judges. These may help in preparation of the assignment:

- Proof-read the assignment.
- Use tables and graphs, and always provide clear titles and legends.
- Methods – enough detail needs to be provided for a knowledgeable person to understand what has been done. Equipment must be listed.
- Include references to the bibliography in a consistent style.
- A clear map displaying the field study site should be provided.
- Reference should be made to relevant Australian standards for water quality, including;
  - Queensland Water Quality Guidelines – 2009  
[www.ehp.qld.gov.au/water/pdf/water-quality-guidelines.pdf](http://www.ehp.qld.gov.au/water/pdf/water-quality-guidelines.pdf)
  - Additional reference material can also be found at:-  
<http://www.environment.gov.au/water/quality/index.html>  
<http://www.qld.gov.au/environment> or <http://www.ehp.qld.gov.au>  
<http://www.gbrmpa.gov.au> or <http://www.healthywaterways.org>
  - Species names are useful where they are easy to find and should be in the normal Latin format – italics with capital letter for genus and small letters for species, e.g. Barramundi *Lates calcarifer*.



# **2019 ENVIRONMENTAL AWARDS**

## **REGISTRATION FORM**

### **“UNDERSTANDING AND PROTECTING OUR ENVIRONMENT”**

This form is to be completed by Head of Department

**SCHOOL NAME**

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**CONTACT PHONE**

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**EMAIL**

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**HEAD OF DEPARTMENT**

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**TEACHER IN CHARGE OF  
SUBMISSIONS**

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**NAMES OF STUDENTS**

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**PLEASE NOTE**

- \$88.00 Payment – Must be arranged for registration of each school***
- APPLICATION SUBMISSIONS CLOSE – 11<sup>th</sup> October 2019***

## **2019 ENVIRONMENTAL AWARDS**

### **STUDENT APPLICATION FORM**

#### **“PROTECTING OUR ENVIRONMENT**

This form is to be completed by all teachers

**STUDENT NAME**

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**TEACHER'S NAME**

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**HOME ADDRESS**

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**HOME PHONE NO**

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**STUDENT EMAIL ADDRESS**

-----

**SCHOOL**

-----

**SCHOOL PHONE NO**

-----

**SCHOOL FAX NO**

-----

**EMAIL ADDRESS**

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**NAME OF SUBJECT**

-----

**LEVEL OF ACHIEVEMENT**

-----

**YEAR LEVEL**

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**AGE**

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**PLEASE SEND A COPY OF THE ASSESSMENT WITH THE STUDENT APPLICATION FORM**

**Reminder: Closing Date for Submissions – Friday 11<sup>th</sup> October 2019**



**Are you a year 11 or 12 student studying  
Biology, Marine Science, Chemistry, Science 21,  
Earth Science or Geography ?**

**This is your opportunity to enter!**

**PORTS NORTH ENVIRONMENTAL AWARDS  
‘Understanding and Protecting our Environment’  
2019**

**First Prize - \$1,000 Bursary**

**Runner Up - \$700 Bursary**

**Encouragement Awards – two \$400 Bursaries**

**To enter see:**

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