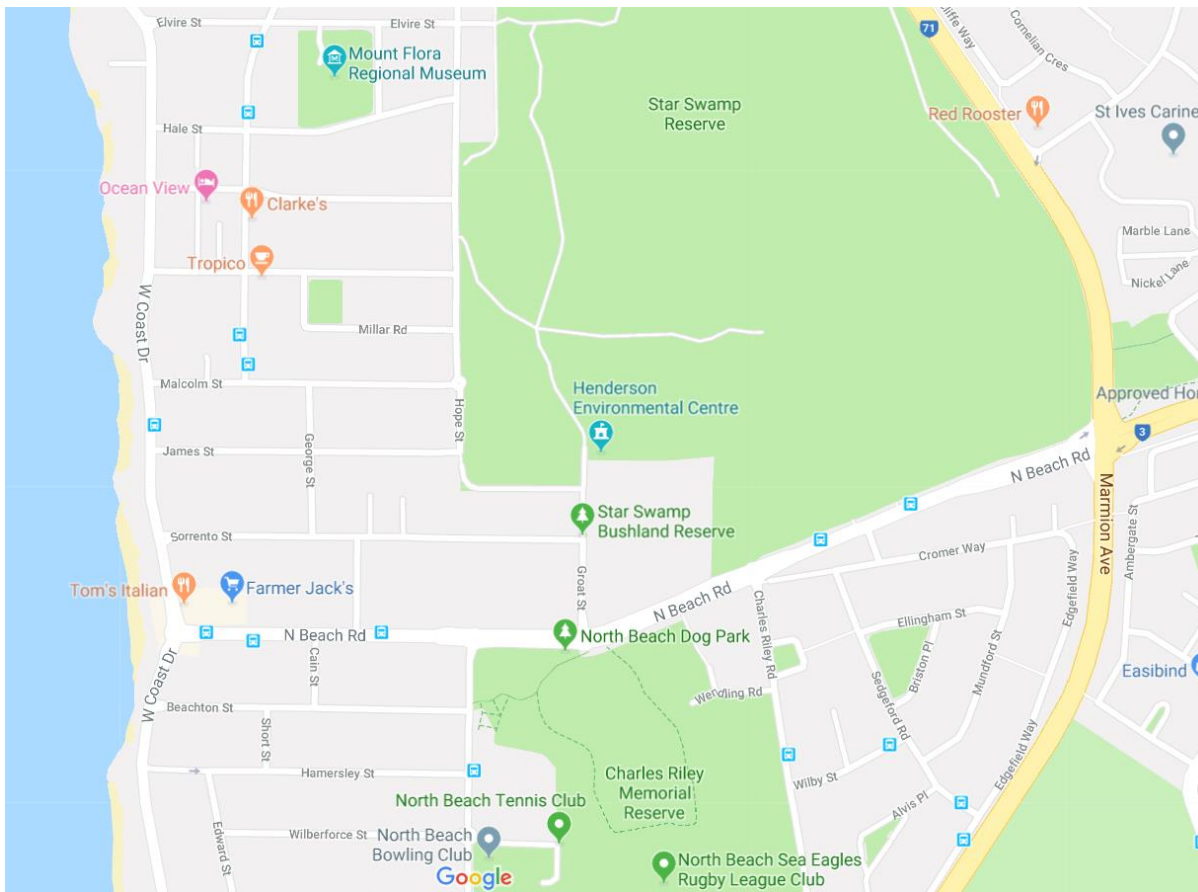


## Henderson Environmental Centre, North Beach

### Essential information for your visit

#### Contents

- Map, page 1
- Risk Assessment Review, page 2
- Information to assist teachers complete the Department of Education's excursion policy checklist, page 14



Address: End of, Groat St, North Beach WA 6020

Link to [Google maps](#)

#### Phone numbers

- Booking Officer: 9295 2244
- Schools Program Coordinator (Stephen Crane): 0404 819 175

Updated May 2019

# Excursion Risk Assessment Review

## RISK MANAGEMENT ORGANISATION & KEY PERSONNEL

POSITION	CONTACT	CONTACT PHONE NUMBERS
Education Officer	Parks and Wildlife Service, Nearer to Nature	Richard Olive: 0407 981 539 Stephen Crane: 0404 819 175
Bookings Officer	Department of Parks and Wildlife, Nearer to Nature	(08) 9295 2244
School Teacher	TBC	TBC
POLICE	000 (Emergency) 131 444 (Main line) 9411 6400 (Scarborough Police Station)	
City of Stirling Security		1300 365 356
FIRST AID	Education officer with Senior First Aid will be onsite.	A first aid station and kit will be located at meeting point
Joondalup Health Campus	Grand Blvd & Shenton Ave, Joondalup WA 6027	9400 9400

## POSITION RESPONSIBILITIES

<b>Education Officer</b>	<p>Brief students and staff on potential risks and how to avoid them.</p> <p>In the event of an incident:</p> <ul style="list-style-type: none"> <li>• Assume initial control of the situation with teacher</li> <li>• Assess the situation and determine priorities</li> <li>• Activate the relevant emergency plan</li> <li>• Liaise with teachers</li> <li>• Liaise with external Emergency Services</li> <li>• Provide on-going site information for participating agencies as required</li> <li>• Nominate relevant personnel to meet and direct emergency services</li> <li>• Inform bookings officer of situation</li> </ul>
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<b>Teacher</b>	<p>Monitor behavior of students to eliminate exposure to risks.</p> <p>In the event of an incident:</p> <ul style="list-style-type: none"> <li>• Assist the Education Officer in the event of an emergency</li> <li>• Assume control of students and other adults and direct them in the appropriate actions under the education officers' instructions</li> <li>• Report situation update to the education officer as required</li> <li>• Teacher to Liaise with school</li> </ul>
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## INTRODUCTION

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This Risk Management Plan has been compiled to address the risks involved with conducting excursions at Henderson Environmental Centre in the City of Stirling.

This Risk Review examines all areas of risk associated with the general operation of excursions and programs developed and run by Nearer to Nature at this site.

This plan is to be considered as developmental and will be revised and expanded as required.

## AIM

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The aim of this plan is to document the process whereby **RISKS** are:

- **IDENTIFIED**  
What, why and how risks arise as a basis for further analysis
- **ANALYSED**  
In terms of likelihood and consequence
- **PRIORITISED**  
Rank risks to identify management priorities
- **TREATED**  
Through preventative and/or response measures involving:
  - Communication
  - Administrative
  - Structural
  - Training
- **MONITORED**  
Establish a system to monitor and review the performance of the process and changes which might affect it.

## OBJECTIVES

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The objectives of the Risk Management Plan are to:

- Anticipate possible risks within the excursion
- Provide an effective and efficient prevention, identification and response to emergencies
- Supply relevant on-site information to Emergency Services
- Manage the orderly and timely evacuation if required of all attendees
- Establish and maintain a close working relationship with all relevant Emergency Services
- Develop specific management strategies for particular types of hazards

## SCOPE OF WORK

### Henderson Environmental Centre, North Beach Excursion

The Nearer to Nature school education program is a Department of Biodiversity, Conservation and Attractions program. Nearer to Nature run various excursions at a variety of locations including at Henderson Environmental Centre in the City of Stirling.

## Henderson Environmental Centre Risk Assessment Review

Nearer to Nature provides the community with unique, enjoyable activities that help participants discover natural areas in and around Perth and the south-west. Specially designed activities with curriculum links are offered for schools.

Excursion held at this site are titled, 'Aquatic Ecosystems', 'Wetland Connections' and 'Wetlands Alive', and on the day, students will explore topics such as water quality, human impact on the ecosystem, fauna surveys, and sustainability through a series of interrelated activities.

### Why is the activity day at Henderson Environmental Centre?

Star Swamp is located adjacent to the Henderson Environmental Centre. Star Swamp is an interesting, seasonal, freshwater wetland typical of the Perth metropolitan area.

This location enables students to investigate how the ecosystem reacts to pressures related to urbanisation and other human impacts on the Wetlands. The Henderson Environmental Centre allows good access to the wetlands while providing facilities such as toilets and shelters.

**Note:** Star Swamp bushland is a public space so supervision of students is required at all times.

## RISK REVIEW

Risks are evaluated on a two-dimensional matrix using a qualitative rating of the likelihood and the scale of the possible consequence. This form of evaluation provides a good graphical representation of how serious this risk is or where the individual risk lies within a group of risks. Each risk has been rated according to the Likelihood and Consequences detailed below.

### LIKELIHOOD:

1	<b>Almost certain</b>	The event will occur in most circumstances
2	<b>Likely</b>	The event will probably occur at least once
3	<b>Possible</b>	The event might occur at some time
4	<b>Unlikely</b>	The event is not expected to occur
5	<b>Rare</b>	The event may occur only in exceptional circumstances

### CONSEQUENCE (for health and safety):

<b>A</b>	<b>Insignificant</b>	No treatment required
<b>B</b>	<b>Minor</b>	Minor injury requiring First Aid treatment (e.g. minor cuts, bruises, bumps).
<b>C</b>	<b>Moderate</b>	Injury requiring medical treatment or lost time.
<b>D</b>	<b>Major</b>	Serious injury requiring specialist medical treatment or hospitalisation.
<b>E</b>	<b>Severe</b>	Loss of life, permanent disability, multiple serious injuries.

## MAJOR SOURCES OF EVENT RISK

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This Risk Review looks at the following major sources of operational risk;

- Environmental Risk – hail storms, heat.
- Public Health and Safety - including crowd management, pedestrian and traffic movement, injury, assault, fire, OHS breaches.
- Asset Loss – theft, damage.

## TREATMENT OPTIONS

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- The review outlines the treatment best suited for the risks outlined. Below is a breakdown of the options:
  - Accept Risk = Not commercially treatable.
  - Avoid Risk = Do not carry out the activity.
  - Transfer Risk = Contract risk area to an expert service provider.
  - Mitigate = Insure via broker, check coverage and specialized risk.
  - Treat = Take some specialised action to reduce risk

## RISK IDENTIFICATION

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Attached you will find the risk identification charts which outline the risks involved in various aspects of event management. Subjects covered include:

- Human Resource Management
- Natural & Man-made disasters
- Operational and Crowd Safety
- Health
- Crimes and Misdemeanours

Henderson Environmental Centre Assessment Review

#	Risk Type	Likelihood 1 to 5	Consequence A to E	Inherent Risk (low, moderate, high, extreme)	Residual Risk (low, moderate, high, extreme)	Notes of Treatment Principles
Henderson Environmental Centre Excursion Day Risks				Before Control	After Control	
1	Fire	5	E	H	L	Accept Risk
2	Lost Child	4	E	H	M	Treat/Transfer
3	Lost Adult	4	E	H	M	Treat/Transfer
4	Criminal activity / violent /threatening	4	E	H	M	Treat/Transfer
5	Criminal activity / theft	4	D	M	L	Accept Risk
6	Animal bite/attack	4	E	E	H	Treat / Mitigate /Transfer
7	Slip/falls	3	C	M	L	Accept Risk
8	Falling tree limbs	5	E	H	L	Accept Risk
9	Drowning	4	E	H	M	Treat/Mitigate/Transfer
10	Mosquito bites	3	C	M	L	Treat/Accept Risk
11	Storm	5	C	M	L	Treat / Accept Risk
12	Syringe	5	E	H	L	Treat/Accept Risk
13	Sunburn and Dehydration	3	C	M	L	Treat/Transfer
14	Contact with unhygienic water in lake	2	C	H	M	Treat

**CONSEQUENCE**

LIKELIHOOD	A (Insignificant)	B (Minor)	C (Moderate)	D (Major)	E (Severe)
<b>1</b> Almost certain	Moderate	High	High	Extreme	Extreme
<b>2</b> Likely	Moderate	Moderate	High	High	Extreme
<b>3</b> Possible	Low	Moderate	Moderate	High	Extreme
<b>4</b> Unlikely	Low	Moderate	Moderate	Moderate	High
<b>5</b> Rare	Low	Low	Moderate	Moderate	High

Henderson Environmental Centre Assessment Review

Please find below a list of controls and actions required for the most relevant risks associated with excursions at Neil Hawkins Park.

<b>Risk</b>	<b>Level of Risk</b>	<b>Controls</b>	<b>Level of Risk</b>
Fire	H	<ul style="list-style-type: none"> <li>Emergency evacuation plan</li> </ul>	L
Lost Child	H	<ul style="list-style-type: none"> <li>Teacher/parent supervision and responsibility</li> </ul>	M
Lost Adult	H	<ul style="list-style-type: none"> <li>Site map distributed to adults</li> </ul>	M
Criminal activity / violent /threatening	H	<ul style="list-style-type: none"> <li>Adult supervision and responsibility</li> <li>Students informed to be aware of public and inform adult</li> </ul>	M
Criminal activity / theft	M	<ul style="list-style-type: none"> <li>Adult and student supervision and responsibility of personal belongings</li> </ul>	L
Animal bite/attack	E	<ul style="list-style-type: none"> <li>First Aid Post</li> <li>Senior First Aid Officers onsite</li> <li>Student informed to stay away from animals where possible</li> </ul>	H
Slip/falls	M	<ul style="list-style-type: none"> <li>First Aid Post</li> <li>Senior First Aid Officers onsite</li> <li>Site walked to identify potential hazards</li> </ul>	L
Falling tree limbs	H	<ul style="list-style-type: none"> <li>First Aid Post</li> <li>Senior Aid Officers onsite</li> <li>Site walked to identify trees at risk</li> </ul>	L
Drowning	H	<ul style="list-style-type: none"> <li>Senior First Aid Officers onsite</li> <li>Teacher/parent supervision and responsibility</li> </ul>	M
Mosquito bites	M	<ul style="list-style-type: none"> <li>Mosquito Repellant</li> </ul>	L
Storm	M	<ul style="list-style-type: none"> <li>If storm occurs excursion will be cancelled</li> </ul>	L
Syringe	H	<ul style="list-style-type: none"> <li>First Aid Post</li> <li>Senior First Aid Officers onsite</li> <li>Site walked to identify potential hazards</li> </ul>	L
Sunburn and Dehydration	M	<ul style="list-style-type: none"> <li>Sunscreen and water available onsite</li> <li>Senior First Aid Officers onsite</li> </ul>	L
Contact with unhygienic water in lake	H	<ul style="list-style-type: none"> <li>Wash hands / supply hand sanitiser</li> </ul>	M

NB: N2N education officer to confirm which teacher/s has senior first aid before excursion starts. First aid to be administered by school teacher as first point, and where appropriate with N2N education officer assisting.

**RISK ACTION PLANS**

<b>Description</b>	<b>Lost Child / Adult</b>
<b>Priority</b>	Significant
<b>Summary of response and impact</b>	Education Officer and teacher to raise response as appropriate
<b>Proposed actions</b>	<ul style="list-style-type: none"> <li>• After first five minutes emergency whistles blown and all adults notified.</li> <li>• Education officer and teacher to take initial action if an incident was to occur, and then contact the Police if required.</li> </ul>
<b>Expected level of risk after controls put in place</b>	Moderate

<b>Description</b>	<b>Criminal activity / violent / threatening</b>
<b>Priority</b>	Significant
<b>Summary of response and impact</b>	Education Officer and teacher to raise response as appropriate
<b>Proposed actions</b>	<ul style="list-style-type: none"> <li>• Adults to regularly check amenities (toilet block) and patrol the area.</li> <li>• Education officer and teachers to take initial action if an incident was to occur, and then contact the Police if required.</li> </ul>
<b>Expected level of risk after controls put in place</b>	Moderate

<b>Description</b>	<b>Death / Drowning</b>
<b>Priority</b>	Significant
<b>Summary of response and impact</b>	Education Officer and teacher to raise response as appropriate
<b>Proposed actions</b>	<ul style="list-style-type: none"> <li>• Emergency 000 Called. Education officer and teachers to take initial action if an incident was to occur, and then contact the Police if required.</li> </ul>
<b>Expected level of risk after controls put in place</b>	Moderate / High

<b>Description</b>	<b>Snake Bite / Animal Attack</b>
<b>Priority</b>	Significant
<b>Summary of response and impact</b>	Warn students of risks; monitor student behavior. First Aid Officers to assist



Henderson Environmental Centre Risk Assessment Review

<b>Proposed actions</b>	<ul style="list-style-type: none"> <li>• Adults and students to be aware of their surroundings and the presence of animals (in particular snakes) at location.</li> <li>• Education Officer and teachers to assess response ranging from monitoring patient to calling 000.</li> </ul>
<b>Expected level of risk after controls put in place</b>	Moderate / High

<b>Description</b>	<b>Contact with unhygienic water</b>
<b>Priority</b>	Significant
<b>Summary of response and impact</b>	Education officer to inform students of risks.
<b>Proposed actions</b>	<ul style="list-style-type: none"> <li>• Education officer to remind students to wash hands / use sanitiser after macroinvertebrates and water testing.</li> </ul>
<b>Expected level of risk after controls put in place</b>	Moderate

<b>Description</b>	<b>Pre-activity day safety warning</b>
<b>Priority</b>	Significant
<ul style="list-style-type: none"> <li>• Teachers and parents to be advised they are responsible for their children</li> <li>• In an emergency the education officer will blow their whistle, and everyone must meet at muster point</li> <li>• Point out location of muster point</li> <li>• Advise teachers of risk of child wandering off, snakes, cycles, open water.</li> <li>• First Aid Officer and first aid station will be identified to all present</li> </ul>	

## **Emergency Evacuation Procedure**

**Emergency Signal:** 3 long bursts of a whistle

Please EXIT the site to car park immediately

Please report to the Staff member who has signalled the evacuation, they will be wearing an orange fluoro vest.

## Henderson Environmental Centre Risk Assessment Review

### Information assisting teachers to complete Department of Education's excursion policy checklist

**The Department of Biodiversity, Conservation and Attractions (DBCA) *Nearer to Nature Schools* excursions and activities at the Perth Hills Discovery Centre (Mundaring), the Henderson Environmental Centre (North Beach), the Forest Heritage centre (Dwellingup), Canning River Eco Education Centre (Wilson), Piney Lakes Environmental Education Centre (Murdoch) and other venues meet the Department of Education's (DoE) excursion requirements.**

The following information will assist teachers in completing the DoE's *Checklist for Excursion Management Plan 2003 – Appendix A* for assessing the Perth Hills Discovery Centre and other excursion locations as excursion venues. The numbers in brackets correlate with the numbers used in the DoE's Checklist in Appendix A.

#### **Assessing the environment (1.1)**

*Nearer to Nature* venues offer excursion activities for school groups. Activities take place both indoors and outdoors, and along tracks in the forest. Teachers can assess the centres prior to an excursion by contacting *Nearer to Nature* for a tour of the facilities and areas used for activities.

#### **Assessing students' capacity (1.3)**

The *Nearer to Nature Schools* excursion activities are suitable for students of all ages. The activities have been designed to suit the different developmental stages of young people. Our advertising material indicates the appropriate age for each of the excursions/activities offered. There is wheelchair access to and around most venues and limited access along some of the forest tracks.

#### **Assessing capabilities and involvement of *Nearer to Nature* officers (1.4 and 1.5)**

*Nearer to Nature* officers have been trained for, and have experience in, leading activities in the natural environment.

They all:

- hold a current Working With Children Check, and
- are trained in first aid and hold current St John's Senior First Aid Certificates.

DBCA is a Government department and holds general liability insurance cover with a limit of \$600 million through the Insurance Commission of WA (ICWA).

#### **Supervision strategies (2)**

Each school group is allocated a *Nearer to Nature* officer for the duration of the excursion. The school is required to bring the number of adult supervisors suitable for the age group of their students. Full details are provided in the confirmation letter. On arrival at the Centre, a *Nearer to Nature* officer will greet the students and outline the program and the 'housekeeping' rules for the day. These include safety measures and defining boundaries for students.

The role of a *Nearer to Nature* officer is to facilitate the student's activities. School staff, however, have overall duty of care of their students. **Teachers should inform the *Nearer to Nature* officer of any students with special needs or medical conditions.** Our confirmation letter requests that all students arrive for the excursion/activity with a nametag (most suitable placement is on the hat).

#### **Communication strategies (5)**

The school will be advised before a group departs for the excursion if the weather conditions change suddenly and are unsuitable for the excursion e.g. very strong winds, a fierce storm or very hot conditions. Our staff will arrange for an alternative day. Walkie-talkies are carried by *Nearer to Nature* officers from the Perth Hills Discovery Centre for all activities. Mobile telephones are carried by *Nearer to Nature* Officers at other venues at all times.

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## Henderson Environmental Centre Risk Assessment Review

### **Emergency response plan (6)**

The venues have an Emergency Response and Fire Evacuation plan. Our *Nearer to Nature* officers, in collaboration with other delegated Departmental staff are responsible for implementing the plan. If an evacuation is required, all school staff, students and assistants must take directions from our *Nearer to Nature* officers. They can be recognised by their uniform. The *Nearer to Nature* administration staff have records of when and where all activities are taking place. Student and adult numbers are recorded at the Centre prior to departure for activities in the forest.

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