



AGENDA

East Point Reserve Advisory Committee Meeting Thursday, 8 September 2022

I hereby give notice that an East Point Reserve Advisory Committee Meeting will be held on:

Date: Thursday, 8 September 2022

Time: 4:30pm

**Location: Meeting Room Bidjpidji (Meeting Room 1)
Level 1, Civic Centre
Harry Chan Avenue, Darwin**

Webcasting: [Microsoft Teams Meeting](#)

Chief Executive Officer

EAST POINT RESERVE ADVISORY COMMITTEE MEMBERS

Councillor Mick Palmer
Birdlife NT Lou Martini
Community Representative Lorraine Corowa
Darwin Military Museum Norm Cramp
Community Representative Serena Ragosta
Darwin Triathlon Club Gary Wall
Larrakia Nation Ben Smith
Mindil Beach Life Savers NT Teresa Hall
NT Heritage Branch Michael Wells
Pee Wees Restaurant Simon Mathews
Researcher John Rawsthorne
Top End Native Plants Lon Wallis
Weeds Branch NTG Chris Collins
Friends of East Point Mathias Paul
Museum and Art Gallery of the NT Kirsten Abbott
Crown Lands, NTG Alix Campbell
Fannie Bay Equestrian Club Anja Zimmermann

OFFICERS

Senior Coordinator Parks & Reserves, Jamie Lewis
Executive Assistant, Louise Flower
Executive Manager Environment and Waste Services, Nick Fewster

Order Of Business

1	Meeting Declared Open	5
2	Acknowledgement of Country	5
3	Apologies and Leave of Absence	5
4	Electronic Meeting Attendance.....	5
5	Declaration of Interest	5
6	Confirmation of Previous Minutes	5
7	Actions Arising from Previous Minutes	5
8	Presentations	5
9	Officer Reports.....	6
9.1	Actions Arising From Previous Meeting	6
10	Member Reports	7
	Nil	
11	General Business.....	8
11.1	Proposed Dudley Point Fishing Platform - Update.....	8
11.2	Update on the Revegetation Plan for East Point Reserve	10
12	Next Meeting	11
13	Closure of Meeting to the Public	11

1 MEETING DECLARED OPEN**2 ACKNOWLEDGEMENT OF COUNTRY**

City of Darwin is privileged to operate on Larrakia country and we acknowledge the Larrakia people as the Traditional Owners of the Darwin region. City of Darwin pays our respects to Elders past and present. We are committed to working with all Aboriginal and Torres Strait Islander people to care for our community and this land and sea for our shared future.

3 APOLOGIES AND LEAVE OF ABSENCE**3.1 Apologies**

THAT the apology from Member Mathias Paul Friends of East Point, be received.

3.2 Leave of Absence**3.3 Leave of Absence Notified****4 ELECTRONIC MEETING ATTENDANCE****4.1 Electronic Meeting Attendance****4.2 Electronic Meeting Attendance Notified****5 DECLARATION OF INTEREST****6 CONFIRMATION OF PREVIOUS MINUTES**

East Point Reserve Advisory Committee Meeting - 24 February 2022

Special East Point Reserve Advisory Committee Meeting - 30 June 2022

7 ACTIONS ARISING FROM PREVIOUS MINUTES**8 PRESENTATIONS**

9 OFFICER REPORTS

9.1 ACTIONS ARISING FROM PREVIOUS MEETING

Author: Executive Manager Environment and Waste Services

Authoriser: Executive Manager Environment and Waste Services

Attachments: Nil

RECOMMENDATIONS

That this report be received and noted.

PURPOSE

The purpose of this report is to provide a status update on previous meeting action items.

Ongoing action list for general update provided below.

Action	Status
Recruitment	Jade Leask's recent departure has left a vacancy in the Environment section. Recruitment is currently underway to fill the position of Coordinator Environment and Climate Change. Until this has been completed, Nick Fewster will be overseeing the advisory committee. We thank Jade for her hard work in forming and delivering the East Point Reserve Advisory Committee.
East Point Master Plan	The East Point Master Plan will be informed by the development of the East Point Strategic Plan which will capture values and priorities across the East Point Reserve
Crown Land Acquisition	Currently identifying an appropriate organisation to undertake the cost benefit analysis.
Strategic Plan	Funding to be identified during budget deliberations by June 2022. To be confirmed
Fire Management Plan	This project will be developed using operational budget identified in the 2022/23 financial year.
Cane Toad Survey Report	The Cane Toad Management Plan for East Point has been reviewed by the Environment Section with further updates by Ecoz Consultants. Cane Toad management actions are currently being prioritised and coordinated by both the Parks and Environment sections.

10 MEMBER REPORTS

Nil

11 GENERAL BUSINESS**11.1 PROPOSED DUDLEY POINT FISHING PLATFORM - UPDATE****Author:** Executive Manager Environment and Waste Services**Authoriser:** Executive Manager Environment and Waste Services**Attachments:** Nil**RECOMMENDATIONS**

That the report be received and noted.

PURPOSE

The purpose of this report is to provide a status update on the proposed Dudley Point fishing platform.

UPDATE

Further to the discussion at the Special East Point Reserve Advisory Committee meeting held 30 June 2022, a decision has been made regarding the proposed fishing platform at Dudley Point. A report was presented to Council on this topic at the Ordinary Council meeting held 16 August 2022. The decision of Council can be found below for your information. Any further updates received by Council as this project evolves will be provided to the Committee.

26.2 PROPOSED FISHING PLATFORM AT DUDLEY POINT**MOTION**

Moved: Councillor Sylvia Klonaris

Seconded: Councillor Vim Sharma

1. THAT the report entitled Proposed Fishing Platform at Dudley Point be received and noted.
2. THAT Council require proponents to undertake public and broader community consultation on the proposed fishing platform at Dudley Point prior to any further consideration by Council.
3. THAT Council, pursuant to Section 40 (2) of the *Local Government Act 2019* delegates to the Chief Executive Officer the power to write to the Chief Executive Officer of the Department of Infrastructure Planning and Logistics advising of Council's resolution on the fishing platform proposal.
4. THAT this report and any attachments be deemed confidential documents and be treated as such in accordance with Section 293(1) of the *Local Government Act 2019*.
5. THAT the documents remain confidential and that this decision be moved into Open at the end of the meeting.

AMENDMENT

RESOLUTION ORD420/22

Moved: Councillor Sylvia Klonaris

Seconded: Councillor Vim Sharma

1. THAT the report entitled Proposed Fishing Platform at Dudley Point be received and noted.
2. THAT Council provide in-principle support for the Proposed Fishing Platform at Dudley Point.
3. THAT final approval for any Proposed Fishing Platform be subject to:
 - a) The outcomes of a community engagement process
 - b) Design and technical specifications being to the satisfaction of City of Darwin
 - c) All regulatory approvals being provided
4. THAT this report and any attachments be deemed confidential documents and be treated as such in accordance with Section 293(1) of the *Local Government Act 2019*.
5. THAT the documents remain confidential and that this decision be moved into Open at the end of the meeting.

CARRIED 7/0

11.2 UPDATE ON THE REVEGETATION PLAN FOR EAST POINT RESERVE

Author: Senior Coordinator Parks & Reserves

Authoriser: Executive Manager Environment and Waste Services

Attachments: Nil

RECOMMENDATIONS

That the report be received and noted.

PURPOSE

The purpose of this report is to provide a status update on the revegetation plan for East Point Reserve.

DISCUSSION

- A draft Revegetation Plan has been developed and has begun implementation for 2022 with a community planting day held 7 May planting over 3000 plants.
- Ongoing planting priorities for the next five years to be developed with the Committee at the next meeting.
- A map of potential future revegetation sites at East Point Reserve can be found below. These sites are designed to:
 - Interconnect current disconnected patches.
 - Reduce “edge effect” by squaring off rough edges of the current forest.
 - Revegetate swampy wet season areas.

The current thinking would be to start at the Green patch and work clockwise from there.



12 NEXT MEETING

17 November 2022

13 CLOSURE OF MEETING TO THE PUBLIC

THAT pursuant to Section 65 (2) of the Local Government Act and Regulation 8 of the Local Government (Administration) Regulations the meeting be closed to the public to consider the Confidential Items of the Agenda.



MINUTES

**East Point Reserve Advisory
Committee Meeting**

Thursday, 24 February 2022

**MINUTES OF CITY OF DARWIN
EAST POINT RESERVE ADVISORY COMMITTEE MEETING
HELD AT THE MEETING ROOM BIDJPIDJI (MEETING ROOM 1), LEVEL 1, CIVIC CENTRE,
HARRY CHAN AVENUE, DARWIN
ON THURSDAY, 24 FEBRUARY 2022 AT 4:30PM**

- PRESENT:** Birdlife NT Lou Martini, Councillor Mick Palmer, Community Representative Lorraine Corowa, Community Representative Serena Ragosta, Darwin Triathlon Club Gary Wall, Fannie Bay Equestrian Club Inge Gardiner, Larrakia Nation Ben Smith, Museum and Art Gallery of the NT Marcus Schutenko, NT Heritage Branch Michael Wells, Researcher John Rawsthorne, Weeds Branch NTG Chris Collins,
- OFFICERS:** Jade Leask (Senior Climate Change & Environmental Officer), Jamie Lewis (Senior Coordinator Parks & Reserves), Louise Flower (Executive Assistant (Secretariat))
- APOLOGY:** Crown Lands, NTG Kelly Benham and Alix Campbell, Friends of East Point Mathias Paul, Darwin Military Museum Norm Cramp, Mindil Beach Life Savers NT Teresa Hall, Pee Wees Restaurant Simon Mathews, Top End Native Plants Lon Wallis
- GUESTS:** Nil

Order of Business

1	Meeting Declared Open	4
2	Acknowledgement of Country	4
3	Apologies & Leave Of Absence	4
4	Electronic Attendance	4
5	Declaration of Interest of Members and Staff	4
6	Confirmation of Previous Minutes	5
7	Actions Arising from Previous Minutes	5
8	Presentations	5
9	Officer Reports.....	5
9.1	Committee Matters	5
9.2	Meeting Time, Dates and Location	5
9.3	Actions Arising From Previous Meeting	6
9.4	Strategic Plan Development	7
9.5	East Point Reserve Revegetation Species List	7
9.6	East Point Reserve Revegetation Survey	7
9.7	2021/2022 Cane Toad Survey	7
9.8	Reintroduction of the Atlas Moth	8
10	Member Reports	8
	Nil	
11	General Business.....	8
11.1	Weed Control Program	8
11.2	Birdlife NT Events	9
11.3	Upcoming Events at East Point Reserve	9
12	Next Meeting	9

1 MEETING DECLARED OPEN

The Chair declared the meeting open at 4:31 pm.

2 ACKNOWLEDGEMENT OF COUNTRY

City of Darwin acknowledges that we are living and working on Larrakia Country. We acknowledge the Larrakia people as the Traditional Owners of the Darwin region. We pay our respects to the Larrakia elders past and present and support emerging Larrakia leaders now and into the future. City of Darwin is committed to working together with all Larrakia to care for this land and sea for our shared future.

3 APOLOGIES & LEAVE OF ABSENCE

3.1 Apologies

That apologies from Crown Lands, Alix Campbell, Friends of East Point Mathias Paul, Mindil Beach Life Savers NT Teresa Hall, Darwin Military Museum Norm Cramp, Top End Native Plants Lon Wallis and Pee Wees Restaurant Simon Mathews be received and accepted.

3.2 Leave of Absence

Nil

3.3 Leave of Absence Notified

Nil

4 ELECTRONIC ATTENDANCE

Birdlife NT Lou Martini
Community Representative Lorraine Corowa
Community Representative Serena Ragosta
Darwin Triathlon Club Gary Wall
Fannie Bay Equestrian Club Inge Gardiner
Larrakia Nation Ben Smith
NT Heritage Branch Michael Wells
Researcher John Rawsthorne
Weeds Branch NTG Chris Collins

5 DECLARATION OF INTEREST OF MEMBERS AND STAFF

5.1 Declaration of Interest by Members

Lorraine Corowa declared that the views expressed at this committee are her personal views and are nothing to do with her Senior Public Servant role but as a community representative. This will be noted for future meetings.

5.2 Declaration of Interest by Staff

Nil

6 CONFIRMATION OF PREVIOUS MINUTES**COMMITTEE RESOLUTION EPRAC001/22**

Moved: Councillor Mick Palmer

Seconded: Weeds Branch NTG Chris Collins

That the minutes of the East Point Reserve Advisory Committee Meeting held on 28 October 2021 be confirmed.

CARRIED 11/0

7 ACTIONS ARISING FROM PREVIOUS MINUTES

Nil

8 PRESENTATIONS

Nil

9 OFFICER REPORTS**9.1 COMMITTEE MATTERS****COMMITTEE RESOLUTION EPRAC002/22**

Moved: Museum and Art Gallery of the NT Marcus Schutenko

Seconded: Birdlife NT Lou Martini

1. THAT the resignation of Helen Haritos be received and noted.

CARRIED 11/0

9.2 MEETING TIME, DATES AND LOCATION**COMMITTEE RESOLUTION EPRAC003/22**

Moved: Community Representative Lorraine Corowa

Seconded: NT Heritage Branch Michael Wells

1. THAT the report entitled Meeting Time, Dates and Location be received and noted.
2. THAT the East Point Reserve Advisory Committee adopts the following schedule for meetings in 2022:
 - a) to be held on Thursday's
 - b) to be held from 4:30 PM
 - c) to be held at the Civic Centre Bidjpidjii Room (formerly Meeting Room 1) or electronically via Teams as determined by City of Darwin
 - d) Quarterly meetings are to be held on:
 - i. 19 May 2022

- ii. 18 August 2022
- iii. 17 November 2022
- iv. 16 February 2023.

CARRIED 11/0**Discussion**

The committee member for Friends of East Point Mathias Paul would like to discuss moving the time of the meeting. As a community group representative with other work and family commitments, a 4.30pm meeting does not particularly suit. Suggests 5.30pm on Monday for consideration by committee but understands it's hard to get a time to suit such a large group.

Chris Collins confirmed he'd be able to attend that suggested time.

Lorraine Corowa mentioned the current time works well for her and via Teams is very convenient.

The current time suits Michael Wells and he acknowledges that changing the time would affect all.

Serena Ragosta mentioned she'd prefer to attend in person as she is struggling with the audio.

It was decided to leave meeting time and day as most attendees could make it at that time.

9.3 ACTIONS ARISING FROM PREVIOUS MEETING**COMMITTEE RESOLUTION EPRAC004/22**

Moved: Birdlife NT Lou Martini

Seconded: Weeds Branch NTG Chris Collins

That this report be received and noted.

CARRIED 11/0**Discussion**

Revegetation plans discussed. The Committee agreed it would be open to a workshop at the next meeting to discuss longer term revegetation plans.

Crown Land acquisition will progress to a cost benefit analysis delivered by a consultant. Budget has been allocated for this.

Fire Management Plan is still being developed. Consultant input will be included and it is envisaged this will be completed by mid-year.

Coastal erosion and Casuarina trees - Jamie Leirs noted there is more coastal erosion around the municipality in general. Areas in Nightcliff are beginning to feel some impacts. The Capital Works team will be undertaking an investigation on a more holistic approach and officers should have more information on this by the next meeting.

Town Planning Zone maps attached for reference as requested by Lorraine Corowa who confirms these are suitable.

Research data base is a list of all the research we know that has been done in and around East Point Reserve.

Michael Wells asked for more information regarding the Crown Land acquisition. Jade Leask advised that this is a parcel of land adjacent to the East Point Reserve that the mangrove boardwalk goes across. An action item in the East Point Biodiversity Plan is to look at the viability of acquiring this land so we can have holistic management of the area. This will help with fire and

weed maintenance. This is a long term action for officers and is progressing. Lou Martini voiced his support for progressing this.

9.4 STRATEGIC PLAN DEVELOPMENT

COMMITTEE RESOLUTION EPRAC005/22

Moved: Community Representative Lorraine Corowa

Seconded: Weeds Branch NTG Chris Collins

That the report be received and noted.

CARRIED 11/0

9.5 EAST POINT RESERVE REVEGETATION SPECIES LIST

COMMITTEE RESOLUTION EPRAC006/22

Moved: NT Heritage Branch Michael Wells

Seconded: Larrakia Nation Ben Smith

That the report be received and noted.

CARRIED 11/0

9.6 EAST POINT RESERVE REVEGETATION SURVEY

COMMITTEE RESOLUTION EPRAC007/22

Moved: Researcher John Rawsthorne

Seconded: Community Representative Lorraine Corowa

1. THAT the report entitled East Point Reserve Revegetation Survey be received and noted.
2. THAT the East Point Reserve Advisory Committee provide feedback on revegetation priorities for the Reserve.

CARRIED 11/0

9.7 2021/2022 CANE TOAD SURVEY

COMMITTEE RESOLUTION EPRAC008/22

Moved: Darwin Triathlon Club Gary Wall

Seconded: NT Heritage Branch Michael Wells

That the report be received and noted.

CARRIED 11/0

Discussion

Lorraine Corowa requested clarification on what was expected from the survey and the Cane Toad Survey Management Plan. Jade Leask advised that the recommendations in the report will inform how we can manage the toads and what changes we can make on-ground. We've previously been advised to turn off irrigation at certain times of the year to stress the toads, so they don't

repopulate; maintaining the water points so they're not overflowing and leaving moisture on the ground; and engaging community members to participate in Toad Bust. Officers are hoping these initiatives will be within budget allocation.

9.8 REINTRODUCTION OF THE ATLAS MOTH

COMMITTEE RESOLUTION EPRAC009/22

Moved: Community Representative Serena Ragosta

Seconded: Community Representative Lorraine Corowa

That the report be received and noted.

CARRIED 11/0

Discussion

Jade Leask advised the Equestrian Club that she has provided their contact details to the Atlas Moth breeders so they can discuss adding some moths to their revegetation site.

Lorraine Corowa queried if there was an opportunity for members of the public to join the scientist when looking for the moths. This may help to get people connected to East Point. Jade Leask advised she can ask the breeders but anticipates they may not wish to do this at this time. City of Darwin will post on social media about this shortly. Could look to organise a secondary light trapping with the community.

Ben Smith noted that a lot of the time they see them, they are in the cocoons or as caterpillars. We don't see the moth itself very often.

Michael Wells noted how large they are and suggested they could be marketed similar to the turtles at Casuarina Beach. Jade Leask is hoping the success so far will make the scientists more comfortable to do this.

Serena Ragosta can understand the scientists would be hesitant, but the public is very interested and it would be good to have them included. We need to involve the community. Perhaps a meeting with the expert could be organised or we could organise a display including a cocoon and a moth as an example. Jade Leask was open to this and suggested it could be modelled on the annual Bat Night held at East Point. It would be dependent on the timing of the moths emerging from their cocoons.

10 MEMBER REPORTS

Nil

11 GENERAL BUSINESS

11.1 WEED CONTROL PROGRAM

COMMITTEE RESOLUTION EPRAC010/22

Moved: NT Heritage Branch Michael Wells

Seconded: Weeds Branch NTG Chris Collins

Chris Collins requested an update on how the weed control program is going (mid-wet season) in

particular for the two Class A species (Bellyache and Chinee Apple) as well as gamba grass.

Jamie Lewis advised he went to a known site yesterday where we know we have Bellyache bush. There were less than 20 plants which were removed and disposed of at Shoal Bay Waste Management Facility. Two Chinee Apple trees were found which arborists will remove shortly. Noted there is a decrease in these weeds. There were two other known location where we have historically had Bellyache Bush and no plants could be found at either of these locations. A report at the end of the weed program will be presented to the committee for information

CARRIED 11/0

11.2 BIRDLIFE NT EVENTS

COMMITTEE RESOLUTION EPRAC011/22

Moved: NT Heritage Branch Michael Wells

Seconded: Weeds Branch NTG Chris Collins

Lou Martini informed the committee that Birdlife NT are continuing to coordinate regular shore bird counts along Colivas Road. They are also planning a community bird walk for Bird Week around August/September.

CARRIED 11/0

11.3 UPCOMING EVENTS AT EAST POINT RESERVE

COMMITTEE RESOLUTION EPRAC012/22

Moved: NT Heritage Branch Michael Wells

Seconded: Weeds Branch NTG Chris Collins

Jamie Lewis advised that on Mother's Day (8th May) there will be an annual family fun run event at East Point. City of Darwin will also be hosting a community tree planting day on the same day. This will be opposite the Equestrian Club.

Lorraine Corowa commented on how good the new plantings beside the Aeromodellers Club are looking.

Inge Gardiner enquired about a flyer for the tree planting day. Jamie Lewis advised this is currently being developed by our Media team and will be distributed once available.

CARRIED 11/0

12 NEXT MEETING

19 May 2022, 4.30 pm

The Chair declared the meeting closed at 5.04 pm.



MINUTES

**East Point Reserve Advisory
Committee Meeting
Thursday, 30 June 2022**

**MINUTES OF CITY OF DARWIN
EAST POINT RESERVE ADVISORY COMMITTEE MEETING
HELD AT THE MEETING ROOM BIDJPIDJI (MEETING ROOM 1), LEVEL 1, CIVIC CENTRE,
HARRY CHAN AVENUE, DARWIN
ON THURSDAY, 30 JUNE 2022 AT 5:00PM**

PRESENT: Birdlife NT Lou Martini, Councillor Mick Palmer, Community Representative Lorraine Corowa, Darwin Military Museum Phil Temple (proxy), Community Representative Serena Ragosta, Darwin Triathlon Club Gary Wall, Fannie Bay Equestrian Club Inge Gardiner, Larrakia Nation Ben Smith, Mindil Beach Life Savers NT Teresa Hall, NT Heritage Branch Michael Wells, Researcher John Rawsthorne, Top End Native Plants Lon Wallis, Weeds Branch NTG Chris Collins, Museum and Art Gallery of the NT Kirsten Abbott

OFFICERS: Jade Leask (Senior Climate Change & Environmental Officer), Jamie Lewis (Senior Coordinator Parks & Reserves)

APOLOGY: Friends of East Point Mathias Paul, Pee Wees Restaurant Simon Mathews, Crown Lands, NTG Alix Campbell, Louise Flower (Executive Assistant)

GUESTS: Nil

WEBCASTING DISCLAIMER

The City of Darwin is live webcasting the Open Section of Special East Point Reserve Advisory Committee Meetings. Audio-visual recording equipment has been configured to avoid coverage of the public gallery area and the City of Darwin will use its best endeavours to ensure images in this area are not webcast. However the City of Darwin expressly provides no assurances to this effect and in the event your image is webcast, you will by remaining in the public gallery area be taken to have given the City of Darwin a non-exclusive licence to copy and broadcast your image worldwide for no reward.

Order Of Business

1	Meeting Declared Open	4
2	Acknowledgement of Country	4
3	Apologies and Leave of Absence	4
4	Electronic Meeting Attendance.....	4
5	Declaration of Interest of Members and Staff	4
6	Actions Arising from Previous Minutes	5
7	Closure of Meeting to the Public	5

Unconfirmed

1 MEETING DECLARED OPEN

The Chair declared the meeting open at 5.00 pm.

2 ACKNOWLEDGEMENT OF COUNTRY

City of Darwin acknowledges that we are living and working on Larrakia Country. We acknowledge the Larrakia people as the Traditional Owners of the Darwin region. We pay our respects to the Larrakia elders past and present and support emerging Larrakia leaders now and into the future. City of Darwin is committed to working together with all Larrakia to care for this land and sea for our shared future.

3 APOLOGIES AND LEAVE OF ABSENCE

That apologies from Crown Lands, Alix Campbell, Friends of East Point Mathias Paul and Pee Wees Restaurant Simon Mathews be received and accepted.

3.2 Leave of Absence

Nil

3.3 Leave of Absence Notified

Nil

4 ELECTRONIC MEETING ATTENDANCE

4.1 ELECTRONIC MEETING ATTENDANCE GRANTED

Community Representative Lorraine Corowa
Darwin Triathlon Club Gary Wall
Fannie Bay Equestrian Club Inge Gardiner
Mindil Beach Life Savers NT Teresa Hall
NT Heritage Branch Michael Wells
Researcher John Rawsthorne

5 DECLARATION OF INTEREST OF MEMBERS AND STAFF

5.1 DECLARATION OF INTEREST BY MEMBERS

Nil

5.2 DECLARATION OF INTEREST BY STAFF

Nil

6 ACTIONS ARISING FROM PREVIOUS MINUTES

Nil

7 CLOSURE OF MEETING TO THE PUBLIC

RECOMMENDATIONS

THAT pursuant to Section 65 (2) of the Local Government Act and Regulation 8 of the Local Government (Administration) Regulations the meeting be closed to the public to consider the Confidential Items of the Agenda.

The Meeting closed at 5:04 pm.

The minutes of this meeting were confirmed at the East Point Reserve Advisory Committee held on 8 September 2022.

.....
CHAIR