

Save Our Shells: Repurposing Shells to Reduce Landfill Waste and Restore Marine Habitats (MEEF 2023004A)

Completion Report

Project Title: Save Our Shells: Repurposing Shells to Reduce Landfill Waste and Restore Marine Habitats

Ref No.: MEEF 2023004A

Project Period: 1st July 2024 – 30th June 2025 (12 months)

Approved Budget: HK\$ 1,000,000

Name of Project Leader: Mr. Tom Chan Tsz Kin (supported by Ms. Sheila Wong)

Name of Applicant Organization: The Nature Conservancy (TNC) Hong Kong Foundation Limited

Executive summary:

Building on the knowledge gained from The Nature Conservancy's (TNC) successful oyster recycling and reef restoration projects around the globe, TNC Hong Kong is dedicated to restoring once-thriving shellfish reefs in Hong Kong and the larger Greater Bay Area (GBA). Our approach focuses on providing practical solutions for the food and beverage (F&B) industry and local oyster aquaculture. By repurposing discarded shells as substrates for shellfish larvae to attach and grow, we aim to bring back shellfish reefs and the significant benefits they bring to marine ecosystems like enhancing biodiversity, increasing fish populations, improving local water quality and stabilising shorelines. Through recycling shells, this strategy also addresses significant environmental challenges arising from discarded shells left on shorelines and in landfills.

In the previous phases of the project, TNC has established a structural framework for shell collection with the F&B industry, developed a methodology in organizing shell sorting and bagging events to prepare shells for repurposing, and revealed the immense potential and benefits of shellfish reefs restoration through dive site-scoping and denitrification studies.

With the shells collected from the previous project phase, TNC has restored a new oyster reef at Hong Kong International Airport covering 4920m² in area. A novel restoration methodology — “remote setting of spat on shell” — was also piloted to allow restoration in areas with less natural recruitment of oyster larvae, establishing a foundation for large-scale shellfish reef restoration in the future. A total of 518 volunteers were engaged in shell bagging and aquaculture debris clean-up activities to support the deployment.

Apart from volunteer events, extensive outreach and marketing events were launched during this project phase, including the documentary *“City of Shells: Our Forgotten Oyster Reefs”*, *“The Oyster Odyssey: Restoring Hong Kong’s Lost Treasure”* exhibition at the Hong Kong Maritime Museum and the *“Reviving Hong Kong’s Ocean Heritage – Our Forgotten Oyster Reefs”* roving exhibition, engaging a wider audience and promoting awareness of oyster reef restoration and shell repurposing.

Through increasing outreach and media exposure, we were able to establish more connections for the collection and repurposing of oyster shells, diversifying our sources for shell collection source. In this project phase, we collected 42.17 tonnes of shells with 15 F&B industry partners, four farmers and one frozen meat company. We have also engaged oyster farmers in discussions on expanding oyster shell collection from them, leading to a substantial increase in the number of shells collected from oyster farmers this year and establishing the foundation for continued large scale shell collection in the future.

Leveraging the knowledge and experience gained from the past four years, TNC will continue upscaling our oyster recycling and reef restoration projects with novel restoration methodologies and robust collection frameworks in the GBA region. Moving forward, we aim to facilitate collaboration, share effective strategies and inspire the implementation of similar projects throughout the region.

Project description:

As Hong Kong's first shell recycling program, the "Save Our Shells" initiative plays a crucial role in bringing back Hong Kong's lost shellfish reefs by collecting shell waste as a substrate for new living reefs. With ecological restoration and enhancement initiatives becoming more widespread in Hong Kong, the demand for recycled shells is also growing. For its fourth consecutive year, the project will continue to collect shellfish shells from the local aquaculture and food industries that would otherwise be discarded in landfills or as trash on the shoreline, adding pressure to the landfill sites and affecting soft shore organisms. Instead, these shells will eventually be deployed in local shellfish reef restoration projects. Moreover, collecting shells from the aquaculture industry can provide an incentive for local oyster farmers not to discard shells unsustainably.

Restored shellfish reefs will create feeding and nursing grounds for juvenile fish and other marine life, stabilize shorelines and improve local water quality. "Save our Shells" now also supplies shells to a multitude of other NGOs and academic groups for similar initiatives. Furthermore, the project also increases public awareness of the importance of shellfish reefs and estuarine ecology through media interviews, social media posts, public exhibits and engaging volunteers with hands-on activities to collect shells from the shore and bag them for reef deployment.

A highlight for this fourth year is the proposed use of recycled shells to pilot a new restoration methodology in Hong Kong, remote setting of spat on shell, that could benefit advancing restoration initiatives and providing easier pathways for scaling up shellfish reef restoration across Hong Kong waters.

Progress against the proposed Work Schedule:

	Project Activity	Date	Time	Venue	Content	Anticipated no. of participants	Progress
1	Shell collection from 10 restaurants	Jul 2024 – June 2025	N/A	N/A	Weekly shell collection, frequency depending on restaurants' requirements and the amount of shells to be collected each time	Six restaurants	Completed and exceeded TNC successfully recruited <u>15 restaurants</u> to participate in the project. For 7 of the 15 restaurants, we have established paying partnerships which will help them to bear part of the logistical cost of shell collection.
2	Collection from oyster farmers	Jan-Jun 2025	N/A	Lau Fau Shan, Ha Pak Nai, Tsim Bei Tsui	Collection and transporting shells to recycling site	Eight oyster farming outlets	Completed 14.07 tonnes of shells were collected from four oyster farmers

3	Volunteer activities	Jul 2024 – June 2025	N/A	Ha Pak Nai	To collect shell debris, sort and bag the weathered shells into mesh bags	250 people in total (on an estimated 10 trips)	<p>Completed and exceed Nine aquaculture debris clean up events were organised, <u>212 participants</u> participated to collect 114 baskets of aquaculture debris.</p> <p>27 shell bagging events were organised, <u>306 participants</u> participated.</p> <p>Four talks on Save Our Shells were delivered, engaging a total audience of <u>217 people</u>.</p> <p>17 screening events with workshops and talks were organised, engaging <u>842 people</u>.</p> <p><u>3589 people</u> were engaged with other events including booths and shell painting workshops.</p> <p>A total of <u>5166 people</u> were engaged in our volunteer and outreach events.</p>
4	Transportation of shells to recycling site	Jul 2024 – June 2025	N/A	Ha Pak Nai	To transport the collected shells from mudflat to shell recycling site	N/A	<p>Completed Transportation of shells from temporary location to shell recycling site was completed in June 2025.</p>
5	Reef deployment	Jul – Sep 2024	N/A	Airport	To deploy 50 m ³ shells to build one oyster reef	N/A	<p>Completed The deployment of 50 m³ shells was completed between August – September 2024.</p>
6	Remote setting method pilot	Jul – Dec 2024	N/A	N/A	To seed recycled shells with live oysters in hatchery	N/A	<p>Completed The seeding of shells was completed between August – September 2024.</p>
7	Scientific monitoring	Jan – June 2025	N/A	Airport, Mui Wo, Center Island	To conduct monitoring of the deployed reef and seeded shells	Two scientific monitoring surveys	<p>Completed Two post-deployment scientific monitoring per site were completed on 27th November 2024, 20th May 2025, 24th June 2025</p>

8	Media opportunity (PR)	April – June 2025	N/A	N/A	One media exposure (press release/media event/feature stories)	Two farmers/ restaurants/ local communities	Completed 36 media interviews were conducted to promote the important of shellfish reefs and our shell recycling project. Please refer to the Appendices for the list of media exposure.
9	TNC website update and social media	Jul 2024 – June 2025	N/A	N/A	Soft marketing on TNC channels	N/A	Completed 16 social media posts were made and shared regularly to promote the importance of shellfish reefs and our shell recycling project.
10	Public Exhibit	Jul 2024	N/A	N/A	One month-long public exhibit about oyster reef restoration and shell recycling at Hong Kong Maritime Museum	N/A	Completed The public exhibition was hoisted between 1 st July 2024 to 19 th September 2024 at Maritime Museum.
11	Local communities and partners engagement	On-going	N/A	N/A	Site visits, meetings and workshops with partners	N/A	Completed We engaged local communities in Pak Nai and Lau Fau Shan in sorting oyster shells on 12 th December 2024. A meeting with Ha Tsuen Chairman was also arranged on 13 th December 2024 to discuss the future of oyster farming operations. The chairman shows a positive attitude to setting up a proper oyster shell collection system with the oyster farmers in the future. A community meeting with chairmen from four oyster farming associations, Yau Gong Tong and representative from AFCD are arranged on 9 th January 2025. All attendees agreed on the importance and urgency of proper management on discarding shells. A total of six oyster farmers were also engaged to assist in gathering shells and loading shells for transport from Lau Fau Shan to shell recycling site.

Evaluation of project effectiveness in achieving the proposed objectives:

- Collection and use of the shells
 1. During the reporting period, TNC collected 21,753.51 kg of shells from 15 restaurants, saving these shells from being discarded and ending up in landfills.
 2. We have reached out to the partners on shifting to paying partnerships. The Oyster Station has suspended oyster shell collection from August 2024. We have tried to contact Oyster Station since July 2024 on renewing the partnership and updating them on the contacts of the new driver collecting shells, however, there were no replies and the existing contact person from Oyster Station cannot be reached through phone, email or WhatsApp. As a result, we have phased them out during this transition, and so far, no one from Oyster Station has contacted us until the end of the project period. For 7 of our 15 partner restaurants, we have established paying partnerships which will help them to bear part of the logistical cost of shell collection. While the remaining partners are in the process of shifting to paying partnerships, we have reduced the weekly collection to bi-weekly collection (i.e. collecting every two weeks) to sustain regular shell collection practices within the restaurants.
 3. A frozen food company who wishes to remain anonymous reached out to us in December 2024, March 2025 and June 2025 to offer to contribute to our shell collection. They have hundreds of boxes of half-shelled oysters to be discarded due to substandard quality. The half-shelled oysters were transported to Pak Nai in a refrigerator truck on four separate days. The logistics were arranged and paid for by the frozen food company and hence TNC did not use any project budget to cover the logistic cost. We have engaged local communities in Pak Nai on treating the shells for recycling, like removing the oyster meat from the shells manually with spoons. Removed oyster meat was collected and used as fish feed by the local community to minimize food waste after we checked with the frozen food company that there were no food safety issues with the oyster meat. A total of 6,351.2 kg of shells were retrieved from these half-shelled oysters.
 4. During the project period, a novel shell collection methodology was developed with and utilised by the oyster farmers. In this project year, the farmers weathered the shells on their rafts before delivering them to the collection point, reducing the weight of shells during transportation. This enabled the collection van to transport more shells in individual trips and reduced the logistic cost. A total of 14,072.8 kg of shells were collected from oyster farmers in Tsim Bei Tsui and Lau Fau Shan. Instead of being transported to the recycling site, shells retrieved from Tsim Bei Tsui were weathered on-site at the farmers' premises for future reef restoration projects in the area.
 5. A community meeting with chairmen from four oyster farming associations, Yau Gong Tong and representatives from AFCD were arranged on 9th January 2025. All attendees agreed on the importance and urgency of proper management of discarded shells. This meeting established a foundation for the oyster farming industry to repurpose more shells and facilitate discussions on improving the effectiveness of shell collection logistics.
 6. Following a fieldtrip event, a sharing was organized with Lee Kum Kee, a renowned oyster sauce producer in Hong Kong on 2nd January 2025, where preliminary discussions were held on shell collection. Despite their interest in TNC's shell recycling and shellfish restoration works, most of their oyster shells were produced in Mainland China, which could cause a high carbon footprint if transported to Hong Kong for repurposing. As a result, further discussions were focused on instead holding collaborative outreach and marketing events to educate the public on the ecological importance of oysters. TNC will continue to explore

potential collaboration with stakeholders in the industry to promote public awareness of shellfish reef restoration and marine conservation.

7. To enhance public awareness on oyster reef ecosystems and the improvement of Hong Kong marine biodiversity, TNC also supported the emerging initiatives of other green groups and academics requiring oyster shells:
 - a. We provided 2,132 kg of recycled shells to City University of Hong Kong for “Site Trial and monitoring of floating artificial reefs” on 2nd October 2024 and 24th June 2025, creating floating reefs at their project sites. Another 300 kg of shells were provided to Hong Kong Metropolitan University for “Enhancing marine biodiversity and ecosystem functioning on the manmade rip-rap” on 7th January 2025.
 - b. A new engagement has been established with a local pottery studio, Lai Chan Kee, on exploring alternative uses of oyster shells. A site-visit to the shell recycling site was arranged on 5th November 2024, providing 20 kg of shells for them to create glaze for painting pottery.
 - c. Another 30 kg of shells were provided to Taikoo Primary School for building a Christmas tree. The shells were decorated by students and placed onto a ladder to create a tree structure. The tree was displayed on the school playground during Christmas on 20th December 2024.

- Scientific research and monitoring of oyster reefs and remote setting method pilot

1. Between August - September 2024, TNC deployed 4,920 m² of shellfish reef on the sea wall of Hong Kong International Airport’s Third Runway, utilizing 18,000 kg of shells. The first and second monitoring, in which shell bags were sampled for biodiversity, oyster density, growth and mortality, were completed on 15th November 2024 and 8th May 2025, respectively. While the full monitoring report is still in preparation by the University of Hong Kong’s Swire Institute of Marine Science (HKU SWIMS), preliminary observation shows different age classes of oysters on shells and signs of shells merging into a reef structure as oysters grow.
2. 24 shell bags were successfully seeded with *Magallana angulata*, and *Magallana hongkongensis* between August to September 2024. The shell bags were deployed at Centre Island and Mui Wo on 23rd Aug 2024, with 6 bags of each oyster species deployed at each site. Three post-deployment scientific monitoring were completed on 27th November 2024, 20th May 2025, 24th June 2025 at Centre Island and Mui Wo. While the first monitoring results shows a higher survival rate of seeded oysters in Mui Wo, final monitoring results show all seeded oysters in both Mui Wo and Centre Island have been replaced by wild-recruited oysters. The information gathered on oysters’ growth and survival over time provided more insights into restoration strategies, in which more detailed studies are needed to increase restoration chances of oysters in both areas.

- Outreach and marketing

1. Nine aquaculture debris clean up events were organised, involving 212 participants who removed 114 baskets of aquaculture debris from the mudflats of Pak Nai.
2. To support the unprecedented amount of shell deployment at the airport’s Third Runway, 27 shell bagging sessions were arranged to sort and bag shells, engaging 306 participants from schools, corporates and the public sector. During the activity, the participants also learned about the importance of shellfish reefs and their restoration.
3. Oyster reef restoration works, including shell recycling works were showcased at the exhibition in Hong Kong Maritime Museum “The Oyster Odyssey: Restoring Hong Kong’s Lost Treasure” until 19th September 2024.

4. Building on public awareness of biodiversity and the launch of the Biodiversity, Strategy and Action Plan consultation in May 2025, we identified another opportunity to engage a wider audience and promote awareness of oyster reef restoration and shell repurposing through the roving exhibition “*Reviving Hong Kong’s Ocean Heritage – Our Forgotten Oyster Reefs*”. The exhibition was held at Pacific Place at Admiralty from 29th May 2025 to 11th June 2025. The roving exhibition will be held at various locations across Hong Kong, with the next venue being Eslite Spectrum Tsim Sha Tsui in July 2025.
5. A groundbreaking documentary, “*City of Shells: Our Forgotten Oyster Reefs*” was launched on Earth Day (22nd April 2025). The film is the culmination of three years of filming, chronicling over seven years of ongoing research and conservation efforts to restore oyster reefs in Hong Kong and the Pearl River Delta. Through historical research and scientific exploration, the film reveals how oysters have shaped the region's development — delving deeper into the socio-cultural ties between oysters and coastal communities, the lime industry that fuelled early infrastructure across the region, and the thriving marine ecosystems that once flourished beneath its waters. Following researchers, historical ecologists and restoration scientists, the film highlights why oyster reef restoration is crucial for the city's environmental resilience and sustainability. The full documentary is available online in Hong Kong: <https://www.cityofshells.com/>.
6. Making the most of the documentary's launch, a series of documentary screening with sharing sessions were arranged with the public and corporates. A total of 842 people attended 17 documentary screening events between 14th April 2025 to 25th June 2025.
7. Four talks were delivered at “*Building and sustaining integrated waste management in Hong Kong*” conference, Hong Kong Baptist University Sustainable Marketing course - Semester 1 and Civic Exchange KEL Waste Management Webinar, Hong Kong Baptist University Sustainable Marketing course - Semester 2 on 15th August 2024, 8th November 2024, 29th November 2024 and 17th March 2025, respectively. A total of 217 participants were engaged through these talks.
8. TNC was invited by local communities to hold a booth at the Oyster Festival in Lau Fau Shan seafood market from 18th – 19th January 2025, introducing the ecological and cultural importance of oysters to the public. A total of 250 people were engaged through this booth.
9. Another 3339 people were engaged through shell painting workshops and booths at the Hong Kong Maritime Museum’s fun day, the Repulse Bay, MTR Kowloon Bay Headquarters, the Royal Hong Kong Yacht Club’s World Ocean Day event and MTR Fo Tan Railway House on 22nd March 2025, 23rd March 2025, 5th June 2025, 8th June 2025 and 10th June 2025 respectively.
10. For media interviews, please refer to Appendix 3 for the media report.

Summary and Way Forward

1. TNC will continue to collect shells from restaurants and oyster farmers while launching additional shell sorting and bagging sessions to prepare for future reef deployments.
2. TNC will refine shell collection logistics in collaboration with oyster farmers, engaging in further discussions with community stakeholders to upscale collection with greater effectiveness.
3. TNC will continue to explore paid partnerships with current and future collaborators to expand shell collection efforts and investigate alternative uses for recycled shells across various industries to minimize waste.
4. TNC will maintain its collaboration with academic partners to further enhance shellfish reef restoration methodologies in Hong Kong.

Appendices

Appendix 1: Collection statistics

Appendix 2: Outreach activity record and event photos

Appendix 3: Media report

Appendix 4: Financial statement and Audited report is not disclosed due to confidentiality reasons

List of all project assets:

N/A. All purchased items are consumables, we did not acquire assets under MEEF funding.

Declaration

I hereby irrevocably declare to the MEEF Management Committee and the Steering Committee of the relevant Funds including the Top-up Fund, that all the dataset and information included in the completion report has been properly referenced, and necessary authorisation has been obtained in respect of information owned by third parties.



Signed by authorised representative as the duly authorised representative

For and on behalf of the Applicant Organisation

Name of authorised representative:

Tom Chan Tsz Kin

Date: 29th August 2025

Official Chop:



Any opinions, findings, conclusions or recommendations expressed in this report do not necessarily reflect the views of the Marine Ecology Enhancement Fund or the Trustee.

Appendix 1: Collection statistics

	Restaurant	Start date	Paying partner	Collection count	Total weight (kg)	Total weight – waste (kg)	Total NET weight (kg)	Ave. weight (kg)
1	Oyster Station - Tsuen Wan	1 st July 2024	No	5	209	1	208	41.60
2	Oyster Station - Tsim Sha Tsui	1 st July 2024	No	5	101.2	0.5	100.7	20.14
3	Cordis, Hong Kong	1 st July 2024	Yes	98	2153	11.8	2141.2	21.85
4	The Verandah at The Repulse Bay	1 st July 2024	No	11	56.75	1.1	55.65	5.06
5	city'super	1 st July 2024	No	25	1256.71	5.6	1251.11	50.04
6	Sheraton Hong Kong Hotel & Towers	1 st July 2024	No	22	929.63	4.1	925.53	42.07
7	The Peninsula Hong Kong	1 st July 2024	No	21	183.66	2.1	181.56	8.65
8	East Hotel Hong Kong	1 st July 2024	Yes	49	4833.4	18.3	4815.1	98.27
9	The Upper House	1 st July 2024	No	25	672.14	2.9	669.24	26.77
10	HKJC Shatin Racecourse	1 st July 2024	Yes	40	6545.37	23.6	6521.77	163.04
11	HKJC Happy Valley Racecourse	1 st July 2024	Yes	31	2728.51	11.1	2717.41	87.66
12	Mandarin Oriental	1 st July 2024	No	22	349.69	2.5	347.19	15.78
13	Grand Hyatt	1 st July 2024	Yes	14	1290.5	4.9	1285.6	91.83
14	JW Marriott Hotel Hong Kong	1 st July 2024	Yes	12	536.55	3.1	533.45	44.45
15	Conrad Hong Kong	30 th April 2025	Yes	3	33.2	0.3	32.9	10.97
	<i>Sub-total</i>						<i>21753.51</i>	<i>728.18</i>
	Oyster farmer	Start date		Collection count	total weight	total weight - waste	Total NET weight	
1	Farmers at Tsim Bei Tsui	31 st March 2025		1	9000	30	8970	
2	Farmers at Lau Fau Shan	31 st March 2025		3	5110	7.2	5102.8	
	<i>Sub-total</i>						<i>14072.80</i>	
	Other sources	Start date		Collection count	total weight	total weight - waste	Total NET weight	
1	Frozen Half-shelled Oysters	12 th December 2024		4	6375	23.8	6351.2	
	<i>Sub-total</i>						<i>3189.3</i>	
	<i>Total</i>						<i>42177.51</i>	

Appendix 2: Outreach activity record and event photos

Date	Program	Format (Field Trip, School Talk, Public event)	Target Audience	Number of participants
Year 2024				
5 th July	Shell bagging - 迦密唐賓南紀念中學	Field work	Secondary school students	27
7 th July	Shell bagging - Public volunteers	Field work	Public	6
8 th July	Shell bagging - Public volunteers	Field work	Public	1
9 th July	Shell bagging - JPMorgan	Field work	JP Morgan staff	24
11 th July	Shell bagging - Public volunteers	Field work	Public	1
11 th July	Shell bagging - Morgan Stanley	Field work	Morgan Stanley staff	24
12 th July	Shell bagging - JPMorgan	Field work	JP Morgan	26
13 th July	Shell bagging - Membership tour	Field work	Membership	21
13 th July	Shell bagging - PolyU CPCE	Field work	University students	25
14 th July	Shell bagging - Public volunteers	Field work	Public	13
14 th July	Shell bagging - Public volunteers	Field work	Public	7
15 th July	Shell bagging - Public volunteers	Field work	Public	2
15 th July	Shell bagging - Public volunteers	Field work	Public	1
17 th July	Shell bagging - Public volunteers	Field work	Public	2
17 th July	Shell bagging - Don Bosco Learning Center	Field work	Public	23
17 th July	Shell bagging - HH Global	Field work	HH Global staff	18
20 th July	Shell bagging - Membership tour	Field work	TNC Members	18
21 st July	Shell bagging - Public volunteers	Field work	Public	8
21 st July	Shell bagging - Public volunteers	Field work	Public	4
22 nd July	Shell bagging - Public volunteers	Field work	Public	2
23 rd July	Shell bagging - JPMorgan	Field work	Public	13
24 th July	Shell bagging - Public volunteers	Field work	Public	4
7 th August	Shell bagging - Wassermen	Field work	Public	19
15 th August	Building and sustaining integrated waste management in Hong Kong	Talk	Public	62
24 th October	Aquaculture Debris Clean-up - St Stephen's College	Field work	St Stephen's College	18
29 th October	Aquaculture Debris Clean-up - UBS	Field work	UBS staff	26
8 th November	BU Sustainable Marketing - SOS Talk	Talk	HKBU students	50
12 th November	Aquaculture Debris Clean-up - Cordis	Field work	Cordis staff, University students	31
24 th November	Aquaculture Debris Clean-up - Membership tour	Field work	TNC members	41
29 th November	Civic Exchange KEL Waste Management Webinar	Talk	Teachers	30
5 th December	Aquaculture Debris Clean-up - Cordis (Management trainees)	Field work	Cordis staff	22
Year 2025				
2 nd January	Lee Kum Kee Pak Nai field trip - Coastal Cleanup	Field work	LKK staff	25
18 th January	蠔節 @ LFS seafood market - LFS oyster farming association	Booth	Public	50

19 th January	蠔節 @ LFS seafood market - LFS oyster farming association	Booth	Public	200
17 th March	BU Sustainable Marketing - SOS Talk	Talk	HKBU students	75
22 nd March	Maritime Museum fun day	Event	Public	3075
23 rd March	Shell painting workshop - The Repulse Bay	Workshop	Residents at The Repulse Bay	19
30 th March	Aquaculture Debris Clean-up - HKU R.C. Li Hall	Field work	University students	23
14 th April	Documentary screening - premiere	Screening	TNC stakeholders	87
16 th April	Documentary screening - HKBU	Screening	Public	52
16 th April	Documentary screening - Morgan Stanley	Screening	Morgan Stanley staff	15
22 nd April	Documentary screening - Jardine Matheson	Screening	Jardine Matheson staff	33
22 nd April	Documentary screening - WLAB & The Do	Screening	Public	39
23 rd April	Documentary screening - HKU	Screening	Public	75
25 th April	Documentary screening - MoCC, CUHK x L'Oréal	Screening	Public	98
3 rd May	Shell bagging - university volunteers	Field work	University students	3
7 th May	Documentary screening - HKUST	Screening	Public	140
10 th May	Shell bagging - CUHK students	Field work	University students	9
12 th May	Documentary screening - Earth.Org x The Hive Studio	Screening	Public	28
17 th May	Shell bagging - university volunteers	Field work	University students	2
20 th May	Shell bagging - university volunteers	Field work	University students	3
22 nd May	Documentary screening - Tiffany and co shell painting workshop	Screening	Public	20
27 th May	Aquaculture Debris Clean-up - Deutsche Bank	Field work	Deutsche Bank staff	6
5 th June	Shell painting workshop - MTR Kowloon Bay Headquarter	Workshop	MTR staff	145
6 th June	Documentary screening - MTR Kowloon Bay Headquarter	Screening	MTR staff	65
8 th June	World Ocean Day booth (shell decoupage) – Royal Hong Kong Yacht Club (RHKYC)	Event	RHKYC members and family	50
8 th June	Documentary screening - American Club	Screening	American Club members	25
8 th June	Documentary screening - RHKYC	Screening	RHKYC members and family	20
10 th June	Shell painting workshop - MTR Fo Tan Railway House	Workshop	MTR staff	50
16 th June	Documentary screening - UBS	Screening	UBS staff	35
23 rd June	Documentary screening - JP Morgan	Screening	JP Morgan staff	70
24 th June	Documentary screening - Hong Kong Natural History Society	Screening	Public	20
24 th June	Aquaculture Debris Clean-up - The Verandah at The Repulse Bay	Field work	Verandah staff	20

25 th June	Documentary screening - Alliance Française de Hong Kong	Screening	Public	20
Total Number of participants				5166

Shell Bagging Activities



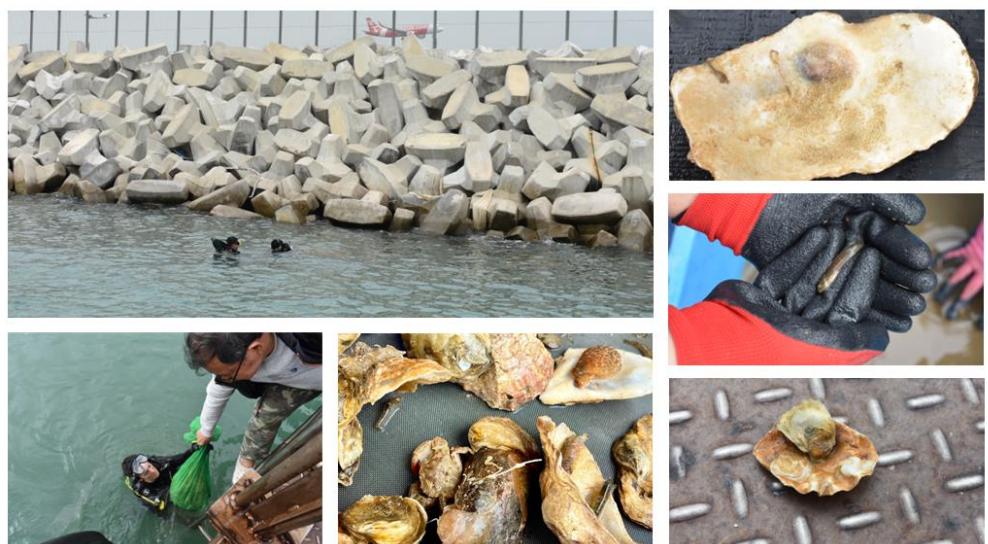
Aquaculture Debris Clean-up



Remote Setting Method Pilot



Scientific monitoring



Talks



Exhibition



Documentary Screening



Other outreach activities



Appendix 3: Media report

Date	Outlet	Headline
Year 2024		
13 th July	RTHK 1 Climate Watcher	神奇的蠔礁
1 st June	RTHK Backchat	rthk.hk : Radio 3 Backchat - Oyster shell recycling
1 st July	Deutsche Welle	Hong Kong: Restoring oyster reefs with old shells
17 th July	Phoenix TV 《香港自然故事》 Book	Book Fair
12 th August	TVB Hands Up	12-Aug
17 th August	TVB Hands Up	17-Aug
4 th September	Yahoo News	環團年收 40 噸蠔殼 回歸大海建蠔礁改善水質 垃圾徵費煞停後餐廳反應轉淡 Yahoo
18 th October	SCMP	Explorer who spent two years walking across Africa takes on Hong Kong's Moontrekker South China Morning Post
22 nd October	RTHK 3 The Brew	Dr. Merrin Pearse and Marine Thomas - oyster restoration projects
November	SJS Newsletter	松栢之聲 - 香港蠔、蠔礁和修復
9 th November	SCMP	SCMP News Interview: Hong Kong third-generation tycoons brave the sea to help restore oysters, improve water quality South China Morning Post
11 th November	Sing Tao Daily	Sing Tao: KellyChu - 為大自然保護協會蠔礁修復籌款 吳宗權與 7 泳手挑戰 2 天 80 公里馬拉松泳 Executive 日記
12 th November	On.cc	On.cc: 運動健將完成 80km 環島游泳挑戰 為香港蠔礁修復籌善款 即時新聞 中港台 on.cc 東網
13 th November	Economic Hearald	Economic Hearald: 八名健兒完成環島挑戰 為蠔礁修復籌得善款 共同保護海洋生態圈
30 th November	RTHK 2 知識會社	知識會社
12 th August	Sing Tao Daily	Mario Rigby 跑住推廣環保
14 th December	RTHK 1 十萬八千里	十億蠔計劃減海水污染
31 st December	The Globe and Mail	Hong Kong was once built on oysters. Now, conservationists are working to bring them back - The Globe and Mail
Year 2025		
2 nd February	TVB	TVB 星期日檔案 年年有蠔：流浮山蠔民如何世代傳承？
28 th February	SCMP Listen To Her	From old oyster farm to new reefs: Marine Thomas' shells boost Hong Kong's biodiversity
22 nd March	《識碳再出發》	第九集《海岸新生》
18 th March	Échappées Belles	Hong Kong, the Year of the Snake
22 nd March	RTHK 1	The Climate Watcher - Carrying capacity in Oyster Aquaculture Industry
5 th April	RTHK 1	The Climate Watcher - Marine Protected Area
16 th April	RTHK 3 Brunch with Noreen	Mike Sakas - Documentary 'City of Shells: Our Forgotten Oyster Reefs'
22 nd April	MPW	【網上免費觀看紀錄片】香港蠔礁之危 美國導演花三年製紀錄片《香江遺礁》 記錄蠔礁歷史文化與修復 籲納蠔礁於保育政策內
27 th April	RTHK Cultural Express	香江遺礁
27 th April	Metro Radio	前面有「樂」
13 th May	Earth.Org	The Nature Conservancy Urges Hong Kong Government to Prioritize Marine Conservation, Oyster Reef Restoration
14 th May	SCMP	Hong Kong oyster reefs' decline and restoration charted in documentary

16 th May	HKFP	NGO urges stronger protection of Hong Kong's oyster reefs as gov't invites public views on biodiversity strategy
20 th May	AAHK TVB	Treasures of Hong Kong's Western Waters - Third episode
5 th June	RTHK Green Fighting	綠色 Fighting
17 th June	Earh.Org	Integrate Nature-Based Solutions For A Climate-Resilient Hong Kong, Urges New Report
23 rd June	HK LEI (Japanese Media in HK)	香港の牡蠣礁を救え！美しい海を、おいしい牡蠣を、いつまでも
28 th June	RTHK The Climate Watcher	making of 紀錄片-香江遺礁