



ASSET WORLD
CORPORATION

Biodiversity Risk Assessment


BUILDING
A BETTER FUTURE

Biodiversity Risks Assessment

AWC has conducted Biodiversity Exposure and Assessment to ensure that management plans cover all sites. In addition, AWC has established the AWC Afforestation Working team to provide oversight ensuring the business operations comply with national laws and regulations, and the business management is integrated with planning for biodiversity throughout AWC's value chain.

1. Scope - Scope the assessment: Consider business operations and aspects of nature that can reasonably be assessed given data availability

2. Locate - Use a location-grounded approach to establish the appropriate unit of analysis. This should be informed by the scoping phase of the assessment that helps determine where the organization interfaces with nature and which sectors and geographies define the organization.
(TNFD guidance: Locate guidance)

3. Evaluate - 3.1 Identify nature-related dependencies and impacts. Dependencies and impacts act as drivers of exposure to nature-related risks.
- 3.2 Determine exposure to nature-related dependencies and impacts. Organization-specific financial exposure data and operational data are combined with nature-relevant physical, spatial, or qualitative data to determine exposure to nature-related dependencies and impacts.

4. Assess - 4.1 Select scenarios
- 4.2 Assess nature-related risks and opportunities

5. Prepare - Synthesize metrics. Producing metrics related to dependencies, impacts, risks, and opportunities.

Reference to TNFD (Guidance on LEAP: Methods for assessing nature-related risks), v. March 2023 <https://framework.tnfd.global/additional-guidance/risk-assessment-methods/>

Biodiversity Risks Assessment

AWC also uses **WWF BIODIVERSITY RISK FILTER** tools to identify and evaluate the most relevant biodiversity risk issues to the AWC's operation in all Thailand's provinces. The tools belong to WWF - World Wide Fund For Nature, to evaluate the impact of key physical & reputational risks.

Aim

- To assess biodiversity-related risks* response under location-specific company data.
- To provide quantitative biodiversity impact information for strategy creation and future management consideration.

Remark: * Including Dependency-related biodiversity risks considered in the risk assessment

Scope of Analysis

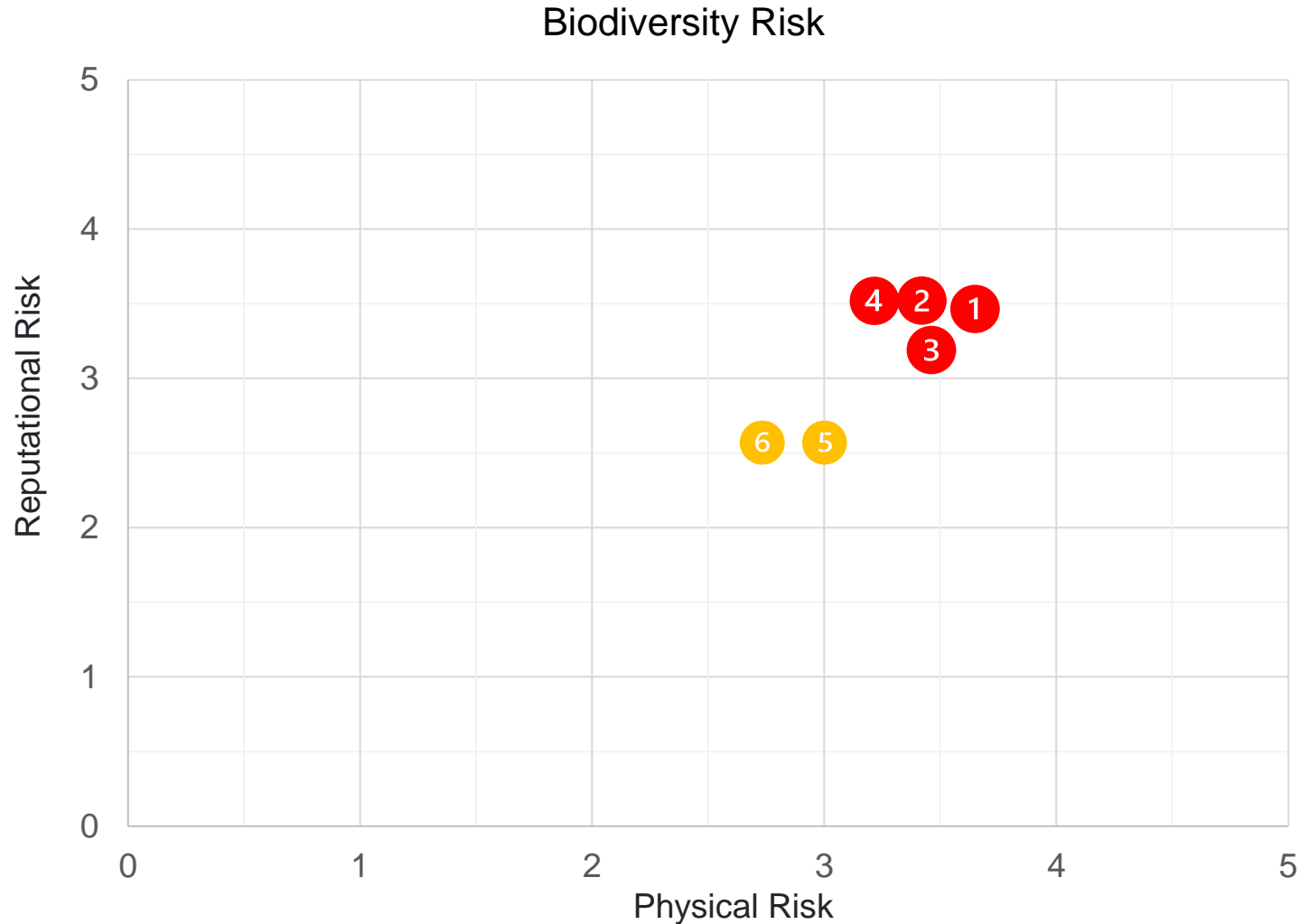
- Cover all operating properties and adjacent areas in Thailand (2022)

Methodology

- Scenario analysis of biodiversity risk is conducted to evaluate the impact of key physical & reputational risks under selected scenarios using information specific to AWC operations.
- Coordination of AWC operational sites is used evaluation tool (WWF BIODIVERSITY RISK FILTER) based on details of the underlying methodology of the WWF BRF tool, including a description of the risk assessment framework, underlying structure, and data, and limitations.



Biodiversity Risks

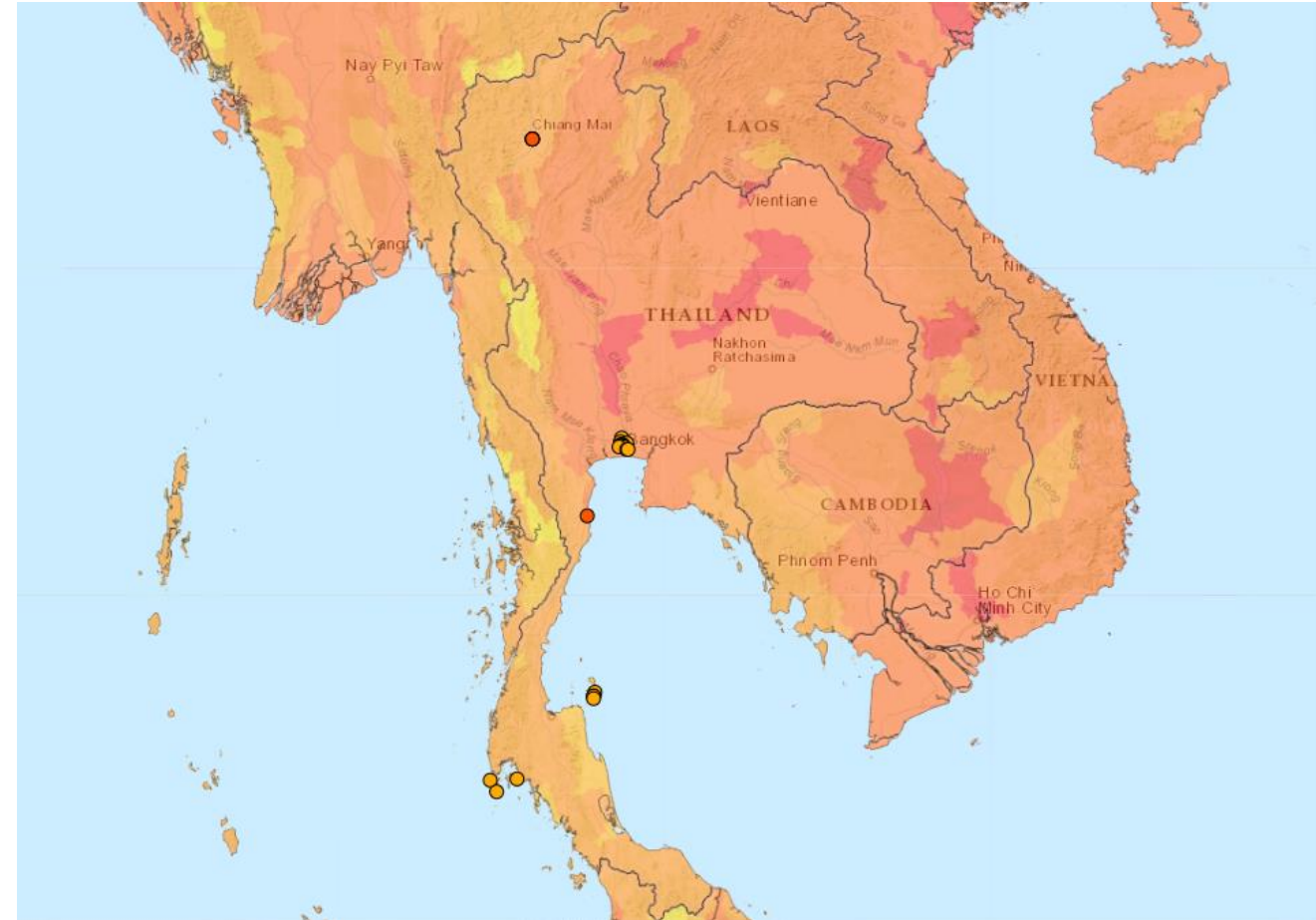
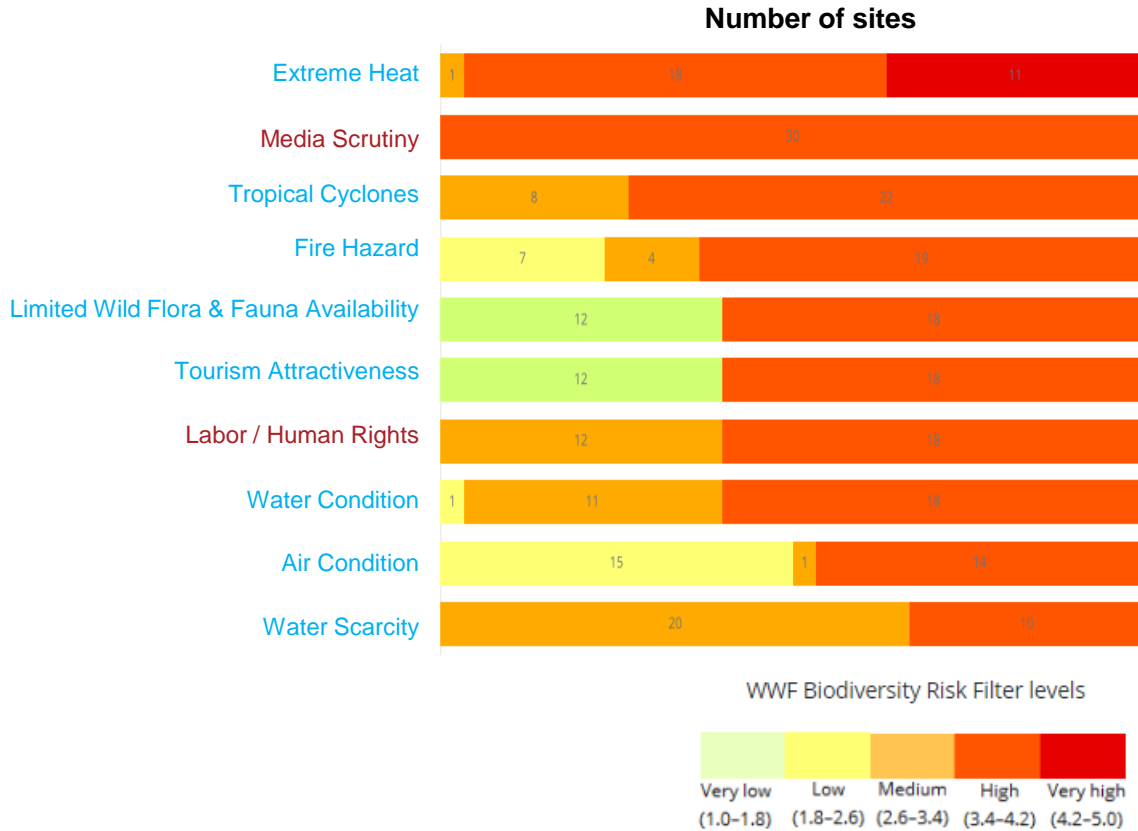


Location	No. of Site	Biodiversity Risk
Hospitality		
Bangkok	8	High
Chaing Mai	2	High
Hua Hin	1	High
Krabi	1	High
Phuket	2	High
Samui	4	High
Commercial		
Bangkok	4	Medium
Retail & Wholesale		
Bangkok	6	Medium
Nonthaburi	1	Medium
Chaing Mai	1	Medium

Source: [WWF Biodiversity Risk Filter \(2023\)](#)

Biodiversity Risk Map

The 10 highest-ranking indicators within the properties of the Company from **Physical risk*** and **Reputational risk****.



Source: [WWF Biodiversity Risk Filter \(2023\)](#)

Remark

*Physical risk is driven by the ways in which a company depends on nature and can be affected by both natural and human-induced changes to the condition of land- and seascapes.

**Reputational risk represents stakeholders' and local communities' perceptions of whether companies conduct business sustainably and responsibly with respect to biodiversity, and can ultimately affect brand value and market share, among other factors.

Biodiversity Mitigating Actions - Avoid



Banyan Tree Krabi collaborates with Save Andaman Network to develop a pilot project, the Sustainable Community-Base Tourism. Through this network, there are key partners such as advisors to Koh Lanta Tourism Business Association and Community Based Tourism Association, the President of Ban Thung Yee Peung Community, and etc

The objectives of this project are to:

1. Raise awareness and increase knowledge on a bee farm, Kok Nong Na Model, and the small-scale fisheries and crab bank to visitors and travelers. This will help to protect the environment and natural resources.
2. To strengthen and enhance the bee farm and fisheries in alignment with Bio-Circular-Green Economy (BCG) and the ESG concept. It is to prolong the community's way of living.
3. To promote upcycle souvenirs produced by the local community. Banyan Tree Krabi believes that this is the beginning to foster Thailand as a global sustainable tourism destination.

Regarding the Biodiversity and No deforestation commitment, AWC upholds the principles to protect the biodiversity of areas around the Company's assets and where we operate. AWC has been shaping and restructuring its business plan by incorporating the principles of biodiversity protection and no deforestation. It includes the land sourcing and assets investment phase to avoid potential risks and impacts on the ecosystem. Therefore, AWC has assessed the operation location and the critical biodiversity areas to measure its' distances. According to Thailand's Environment Impact Assessment (EIA), AWC has implemented the prevention and mitigation measures of biodiversity impacts. It includes the continuous monitoring procedures which shall be reported to the Office of Natural Resource and Environmental Policy and Planning in order to ensure compliance with The Enhancement and Conservation of the National Environmental Quality Act, B.E. 2535 (1992).



Biodiversity Mitigating Actions - Reduce



“EVERYTHING OLD IS NEW AGAIN”

reConcept aims to build the most value in sustainability through repurposing, recycling, and reconnecting second-hand furniture in Thailand to create an ecologically sustainable world.

Developing Concept to Practice

To reduce the consumption of the world’s resources, we focus on reusing and restoring used furniture and household items to be usable again. reConcept’s goal is to build sustainability through creative and innovative product design. Here is an outline of how reConcept develops a project concept and turns it into reality:



Reconcept

Develop new designs from second-hand furniture and used items to add artistic value.



Recycle / Upcycle

Bring old materials and transform them into new, purposeful items to support the “zero waste” concept and help build an ecologically sustainable planet.



Reuse

Reimagine old items, furniture, and accessories to be useful again through creative repurposing.

SOUVENIRS FROM THE SEA

As part of our efforts to operate in a sustainable manner as well as to support the community in which we operate, our team connected with local artisans from Souvenirs from the Sea to create a bag for guests' use during their stay which has been made entirely from upcycled waste that washed up on beaches in the Krabi area.



Biodiversity Mitigating Actions - Regenerate

To achieve the carbon neutrality by 2030, the Tree Planting Project has been initiated with the objectives to expand green area through tree planting and conservation, as part of carbon offsetting programme. The tree planting project is implemented in all AWC's operating assets, developing assets, and the voluntary foresting project.

AWC manages the Tree Asset under the supervision of the "Design management - Landscape Design" team, a part of the project development division. The Company intends to store the existing trees where they have developed the project. The reasons are that the trees are already adapting to the area and their rarity. Furthermore, prior to the project's development, the team always carries out tree inspections to ensure minimal impact on the trees during the project development process, including the construction; hence, it is essential to keep the trees from the project design phase. As a result, the trees are a part of the Master Plan from the beginning of every project as AWC believes that trees will increase the value of the property.



NUMBER OF TREES PLANTED AT CONSERVED AT AWC'S PROPERTIES



Biodiversity Mitigating Actions - Regenerate

TREE PLANTING PROJECT 2022

To work towards AWC's target to achieve carbon neutrality by 2030, the Tree Planting Project has been initiated with the objectives of green area expansion through tree planting and conserving, as well as to offset carbon emissions. The plan includes 3 main categories of projects; operating assets, developing assets, and the voluntary foresting project.



Hilton Sukhumvit Bangkok and DoubleTree by Hilton Sukhumvit Bangkok joined hands with Asset World Corporation and The Mall Group to celebrate Hilton's Global Travel With Purpose Week as part of Hilton's sustainability strategy that takes the 3 pillars of ESG (Environmental, Social and Governance) into account by hosting an activity to plant 400 trees at Benjasiri Park on Thursday, 30 October 2022. This activity made a positive contribution to the green lung of Phrom Phong, which is a hub for families, children, and health enthusiasts in the middle of a busy district.



Biodiversity Mitigating Actions – Restore



Sea Turtle lays eggs at Banyan Tree Samui beach

The Hotel and the Department of Marine and Coastal Resources (Chumporn Research Center) move the eggs (2 out of 5 nests) above tide level to increase these turtles' survival rate. They then built nursery zones to protect the eggs from predators. There were 269 successful hatchlings since May 2020. The hotel has restricted all construction projects along the beach to protect coral reefs and preserve the shoreline biodiversity. The resort continues to monitor for turtle nesting signs along the shore, hoping for more turtles to return for nesting.



CRAB BANK PROJECT AT SHERATON SAMUI RESORT

The resort has been collaborating with Koh Samui Crab Bank with an aim to restore and increase local blue crab populations at Koh Samui. This project support in fishery resources and ecosystems helps strengthen local food resources and the livelihoods of local fishermen and their families. Hence, the project promotes a deeper connection between AWC and the communities through engagement. Moreover, the project has been selected as one of the sustainable projects to showcase at the press conference (hybrid) - APEC press & media in 2022.

Biodiversity Mitigating Actions – Transform

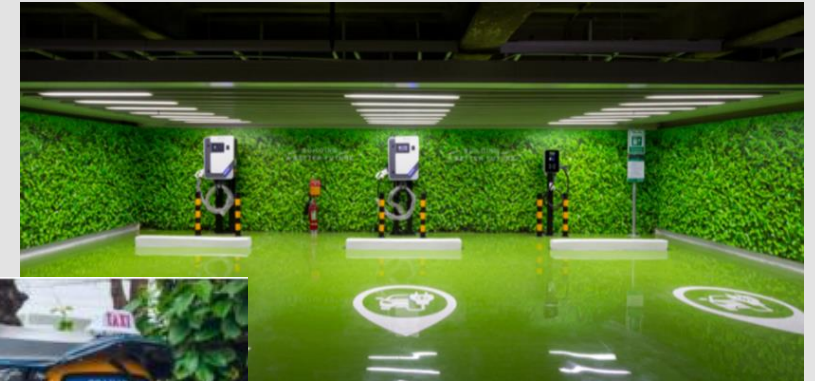


SOLAR PV ROOFTOP

AWC has installed a total of 6 solar rooftops at its operating assets (Hua Hin Marriott Resort & Spa, Phuket Marriott Resort & Spa, Nai Yang Beach, Gateway at Bangsue, Lasalle's Avenue, Pantip Plaza at Ngamwongwan, and Pantip Plaza in Chiang Mai) and the COD in 2022 for 4 properties (Hua Hin Marriott Resort & Spa, Phuket Marriott Resort & Spa, Nai Yang Beach, Lasalle's Avenue, and Pantip Plaza at Ngamwongwan) were energized and solar rooftops at Gateway at Bangsue and Pantip Plaza in Chiangmai will be COD early 2023. Total projected reduction in energy consumption from the grid is 5,027,100 kWh/year or equivalent to 2,513 Ton CO₂e/year.

EV CHARGING STATION AND CAR SHARING

In collaboration with partners, AWC has installed EV Charging Stations and provides Car Sharing for tenants and visitors. The Empire - Electric charging stations for plug-on hybrid EV and EV carsharing service from HAUP where bookings can be made via an application. Athenee Tower Building - Ridesharing service of MuvMi, 100% electric Tuk-Tuk that allows people to conveniently move around the neighborhood and access other public transportation services.





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