



Center for Nature Conservation and Development



**The natural habitats and bird species
in the middle and the riverside areas of
the Red River, Hanoi**



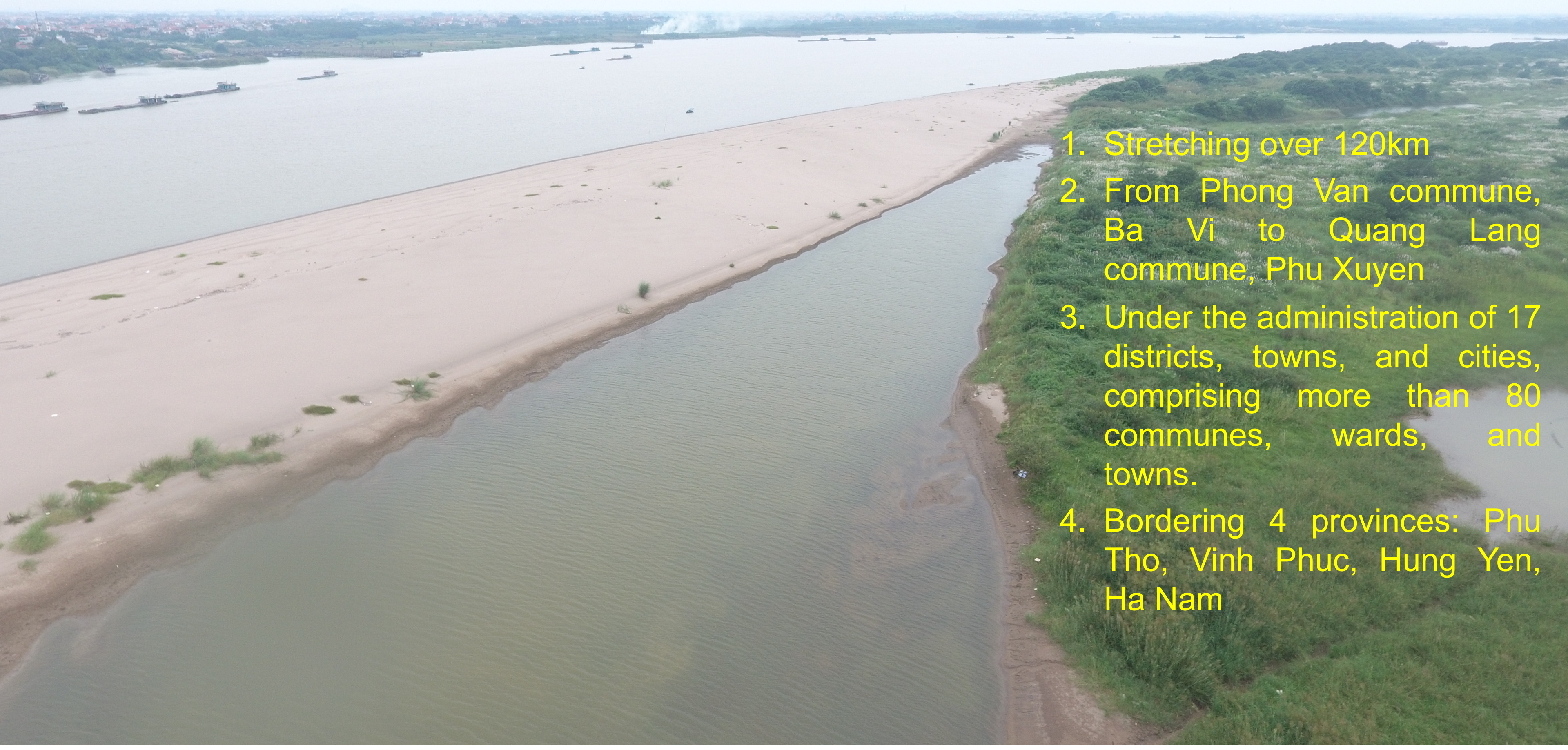
CONTENTS

1. Overview of the middle and the riverside areas of the Red River within the administrative boundaries of Hanoi.
2. Diversity of ecosystems and plant species.
3. Diversity of wild bird species
4. Major threats to the area
5. Proposed management and conservation measures.





THE RED RIVER FLOWS THROUGH HANOI



1. Stretching over 120km
2. From Phong Van commune, Ba Vi to Quang Lang commune, Phu Xuyen
3. Under the administration of 17 districts, towns, and cities, comprising more than 80 communes, wards, and towns.
4. Bordering 4 provinces: Phu Tho, Vinh Phuc, Hung Yen, Ha Nam



Starting from Phong Van, Ba Vi





The Phu Cuong & Tan Hong islet, Ba Vi





Hong Ha, Dan Phuong





Thach Da, Me Linh





Lien Mac, Bac Tu Liem





Tu Lien, Tay Ho





Phuc Xa , Ba Dinh





Longan Garden, Long Bien ward, Long Bien district





Linh Nam, Hoang Mai





Yen My, Thanh Tri





Tu Nhien, Thuong Tin

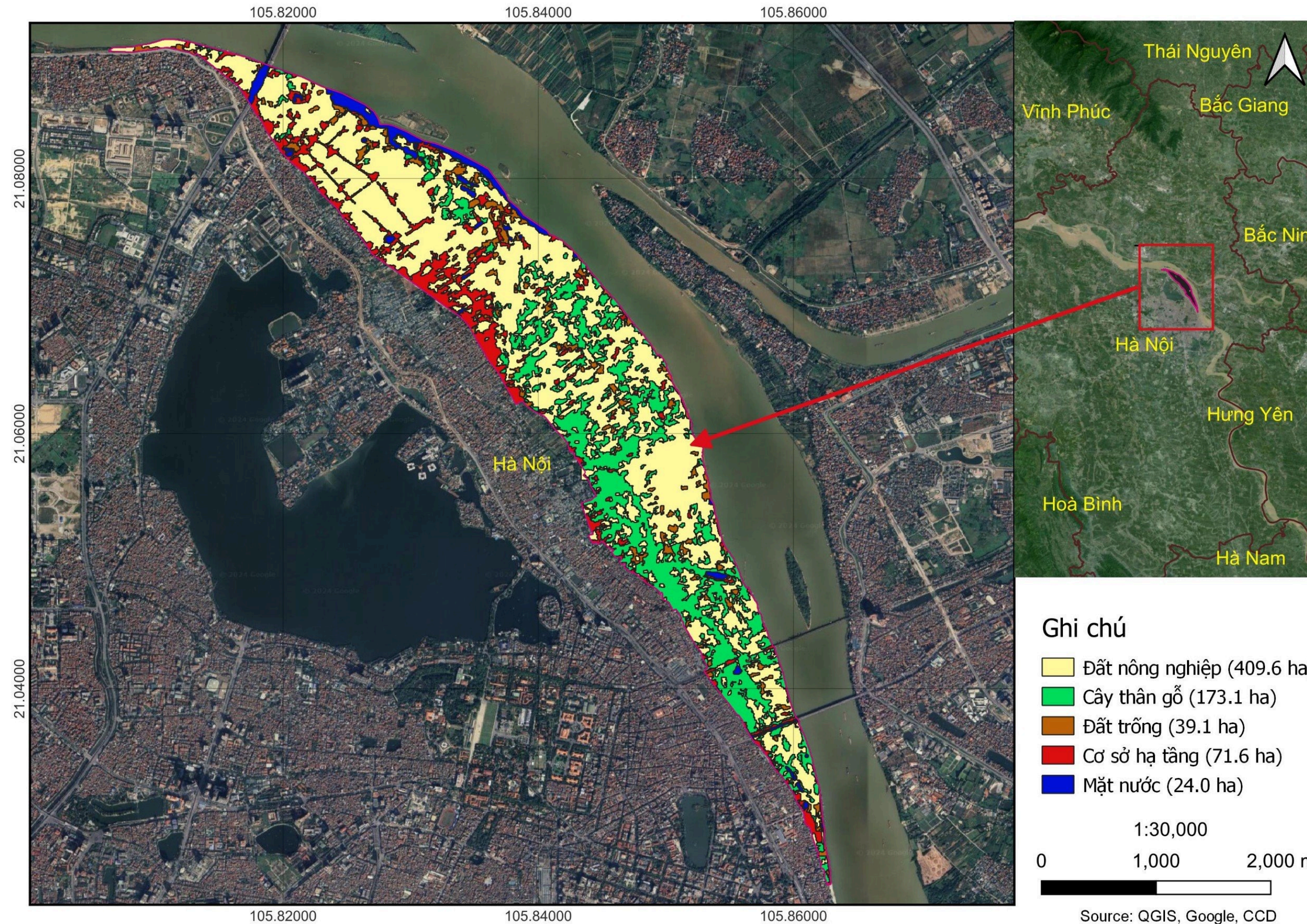




Quang Lang, Phu Xuyen



Updated land use status (4/2024)



The area of the inner-city riverside is located in the following districts:

1. Tay Ho
2. Ba Dinh
3. Hoan Kiem
4. Long Bien

Vegetation cover, plant species and land use

Key vegetation covers

1. Tallgrass cover: reeds, sedges, shrubs (original): habitats, foraging, and nesting grounds for wild bird species.
2. Tall tree: naturally growing along high strips, serving as habitats and foraging grounds for many bird species.
3. Banana plantation: foraging grounds for wild birds.
4. Agriculture crops and vegetables: foraging ground for wild



Plant species composition

- *Number of recorded species:* 209 species
- *Majority group:* agricultural crops, flowering plants
- *Timber group:* mainly medium timbers growing naturally (Fig, Chinese Banyan, Paper Mulberry, Indochina Dragonplum) and cultivated trees (jackfruit, longan, pomelo, sua, some shade trees)
- *Valuable species group:* at least 7 species of natural medicinal plants.



WILD BIRDS IN HANOI

- Survey from 2021-2024: recorded 232 bird species belonging to 15 orders and 51 families.
- Hanoi possesses a rich avifauna, accounting for approximately 1/3 of the total bird species in Vietnam (918 species - Le Manh Hung 2020).
- Among these, first-time records in Hanoi include Starling and Rubby Shelduck, while some rare species rediscovered include Yellow-breasted Bunting, Black Stork





Many species form large populations and reside in communal colonies

- Pratincole: 820 individuals- Phu Cuong commune, Ba Vi
- Grey heron: 200 individuals – Phu Cuong area
- Amur falcon: 150 individuals – Tu Nhien area, Thuong Tin



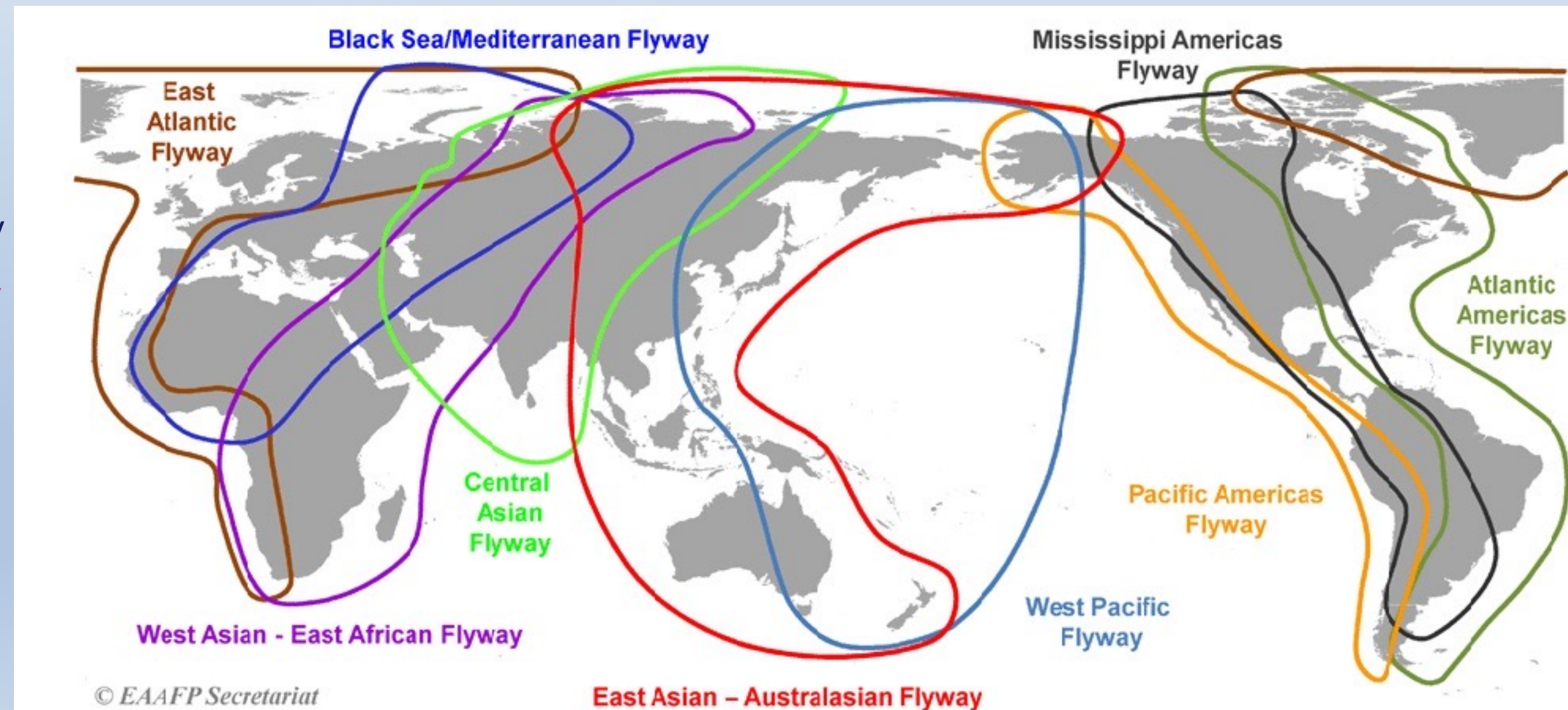


The importance of the middle and riverside areas for migratory birds

- The middle and riverside area of the Red River is located at the heart of the East Asian – Australian flyway.
- Out of the total 232 recorded bird species, 192 are migratory (83%), 38 are resident (16%) and 01 is a breeding migratory species (1%).

09 migratory flyways

1. Central Asian Flyway
2. Black Sea/ Mediterranean Flyway
3. West Asian – East African Flyway
4. East Asian – Australasian Flyway
5. West Pacific Flyway
6. Pacific Americas Flyway
7. Mississippi Americas Flyway
8. Atlantic Americas Flyway
9. East Atlantic Flyway



ENDANGERED AND PRIORITY CONSERVATION SPECIES

1. There are 7 species listed in the IUCN Red List:

- Scaly-sided Merganser (*Mergus squamatus* - **Endangered**)
- Yellow-breasted Bunting (*Emberiza aureola* – **Critically Endangered**),
- Silver Oriole (*Oriolus mellianus* - **Endangered**),
- Spotted Eagle (*Aquila clanga* - **Vulnerable**),
- Fairy pitta (*Pitta nympha* - **Vulnerable**),
- Brown-chested flycatcher (*Rhinomyias brunneata* - **Vulnerable**)
- Black paradise flycatcher (*Terpsiphone atrocaudata* - **Near-threatened**).

2. There are 4 species listed in the Vietnam Red List (2007):

- Asian openbill (*Anastomus oscitans* – **Vulnerable**),
- Scary-sided merganser (*Mergus squamatus* - **Data deficient**),
- Fairy pitta (*Pitta nympha* - **Vulnerable**),
- **Crested serpent eagle** (*Spilornis cheela*)





Black Stork– Phu Cuong Area



Jerdon's baza– Yen My Area



Pied Harrier – Hong Ha Area

Amur falcon – Tu Nhien Area



Eastern Grass Owl – Hong Ha Area



HONGPHUONG

Fairy Pitta - Longan Garden Area



Red avadavat – Hong Ha Area



Threats to natural ecosystems and bird species

Changes in water flow and bank erosion



Hong Ha Area, Dan Phuong



Illegal Sand mining



1. The border area of Phu Tho and Vinh Phuc provinces

2. Other riverside areas

Illegal poaching, nesting during the migration season



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Mist-net and trappings



Encroach activities and unsustainable agricultural



Encroachment and illegal infrastructure development



Recommendation for managing and promoting sustainable development

Conserving original ecosystems of the red-river



Protecting habitat
and wintering
areas of resident
and migratory
birds



A place for with
opportunities developing
nature-friendly
agricultural, ecotourism,
and education



A place requiring good planning, adaptive-management, and environment friendly agriculture practices



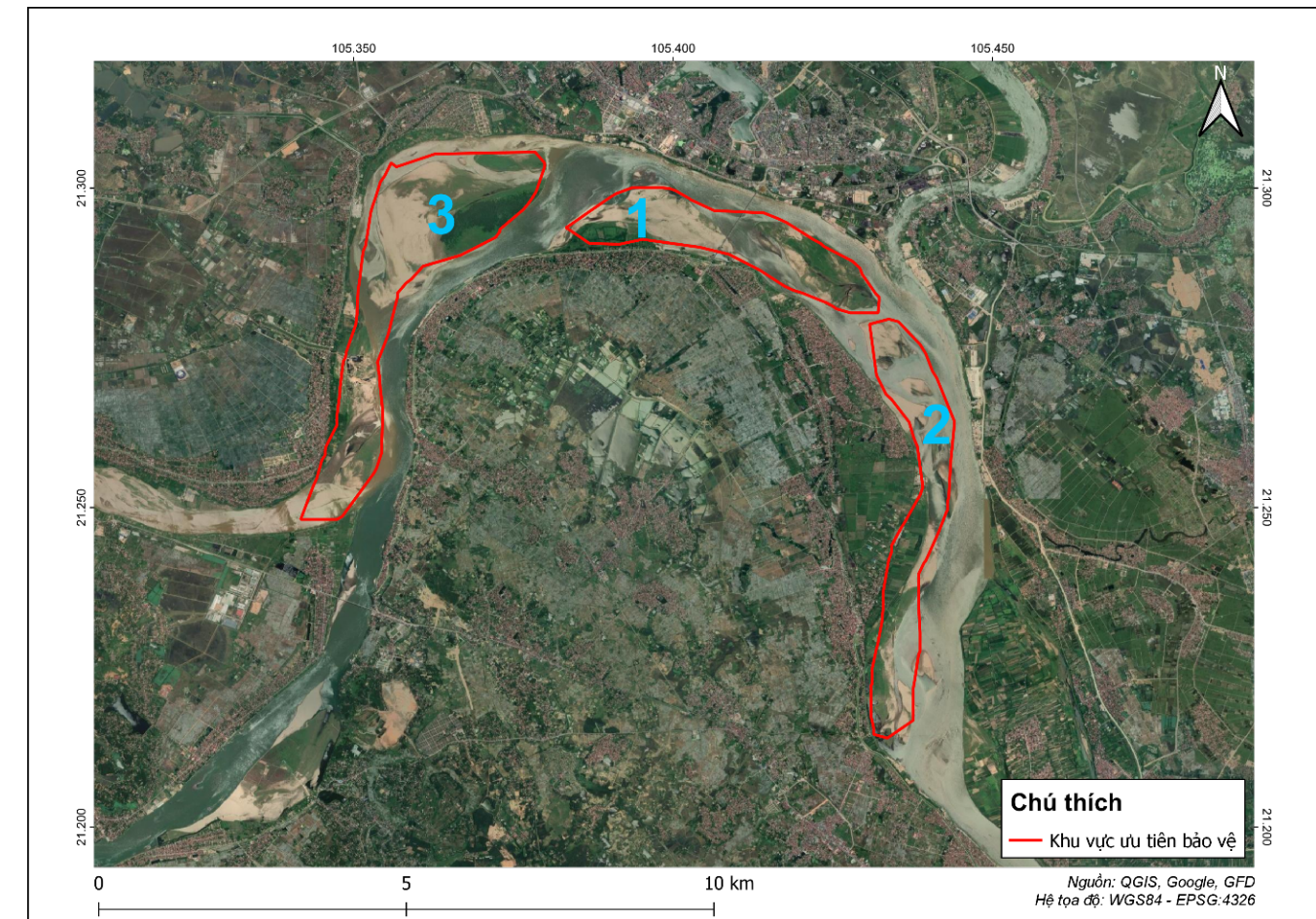
Protecting the current status and restoring some natural areas

- **Establishing new protected areas/OECM**

- Van Lang - Phu Cuong area, Ba Vi
- (1.000ha)
- Thach Da area, Me Linh
- Lien Mac area, Bac Tu Liem

- **Objectives**

- Nature conservation
- Research and education
- Nature based ecotourism Tourism and experiencing activities



Developing multi-functional areas: *integrated Conservation - sustainable agriculture, ecotourism and education*

- **Developing sustainable agriculture models – nature-friendly**
 - The areas from Hong Ha to Tu Nhien.
 - Zoning for the development of sustainable agriculture models, nature-based tourism, and sports.
- **Development orientations**
 - integrated Conservation and nature-friendly agriculture models
 - Nature-cultural parks
 - Nature-based tourism
 - Cultural experience
 - Education center
 - Nature based-Sports areas
 - Ecotourism trail



For Hanoi: a *sustainable* and *resilience* city

