

WUHAN

City of history (the center for civilization of Yangtze River)
Design contest for conceptual city in northern region of
Guishan (Turtle Hill)

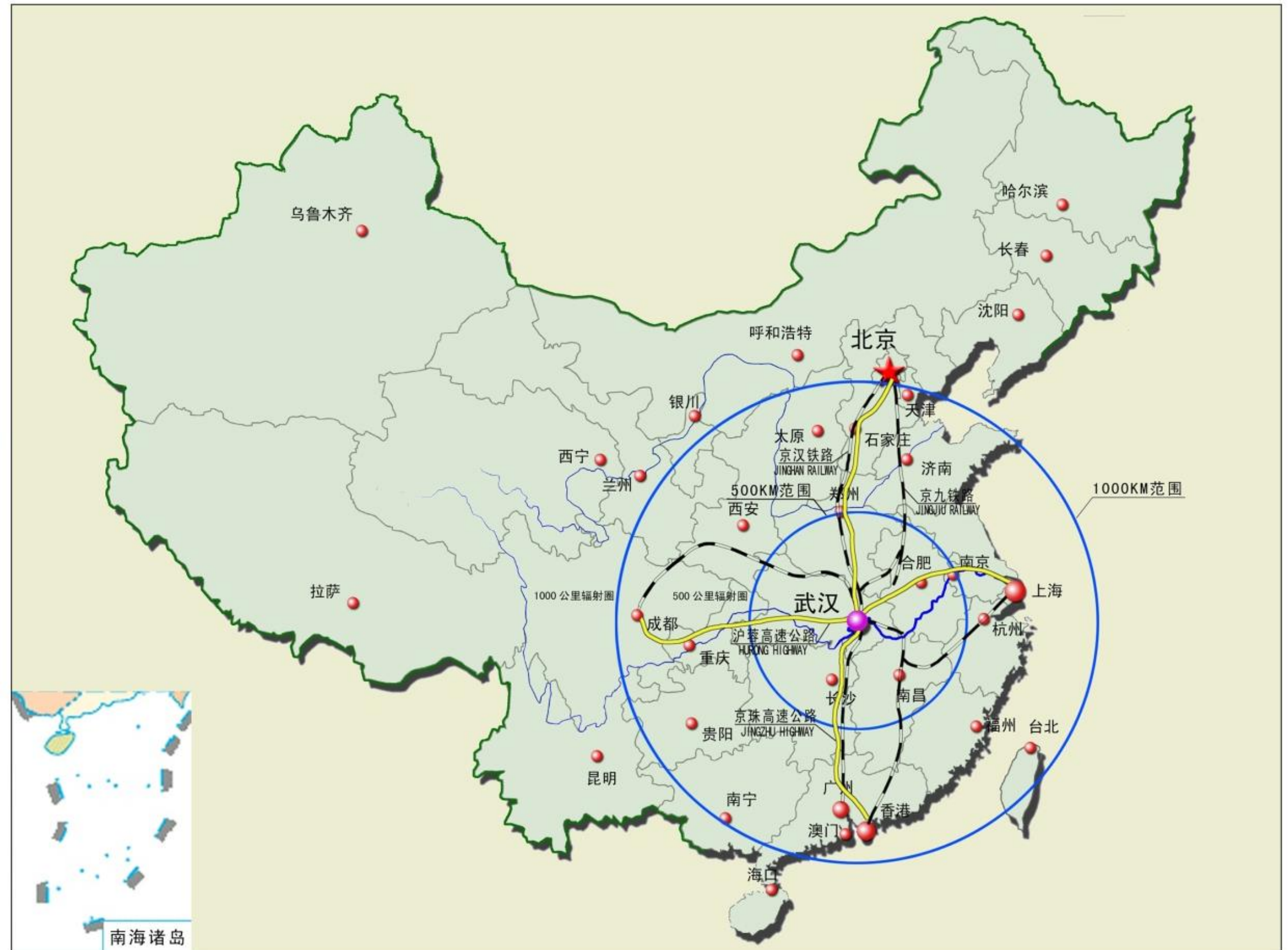
THE HEART OF THE YANGTZE RIVER CIVILIZATION
PRELIMINARY STUDY ON THE PLANNING

Wuhan Land Resource and Planning Bureau

April in 2018

Geographical Location of Wuhan

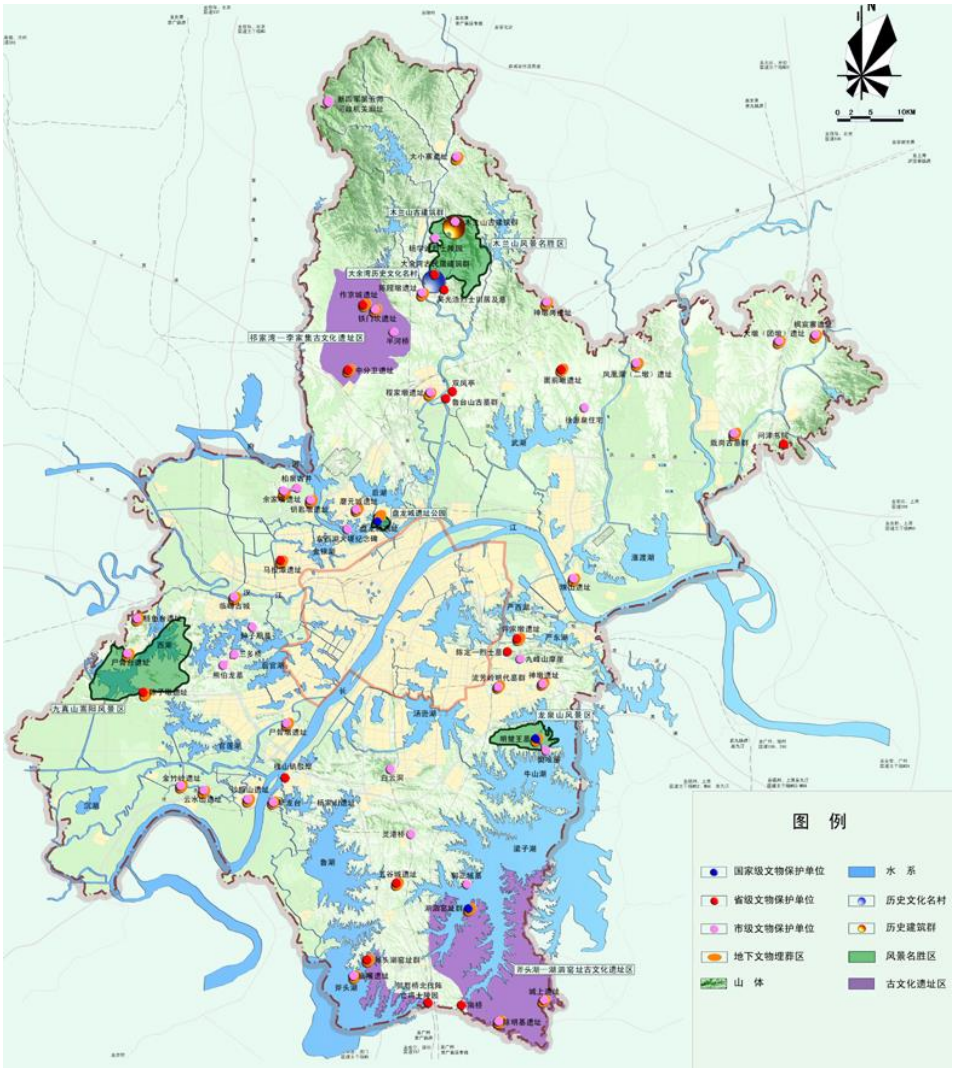
Wuhan is briefly called “Han” and it is also named “riverside city”, being the capital of Hubei Province and the only sub-provincial division and megalopolis in six central provinces; it is the center city in Chinese central area, core city of Yangtze River Economic Zone, important national industrial base, scientific and educational base and comprehensive transportation junction and Wuhan combined service force guarantee base under Central Military Commission. The city has 13 municipal districts, three national development zones with a total area of 8494.41 square kilometers, and the number of permanent resident people was 10.7662 million and the urbanization rate of the city is 79.77% in 2016.



Planning Background

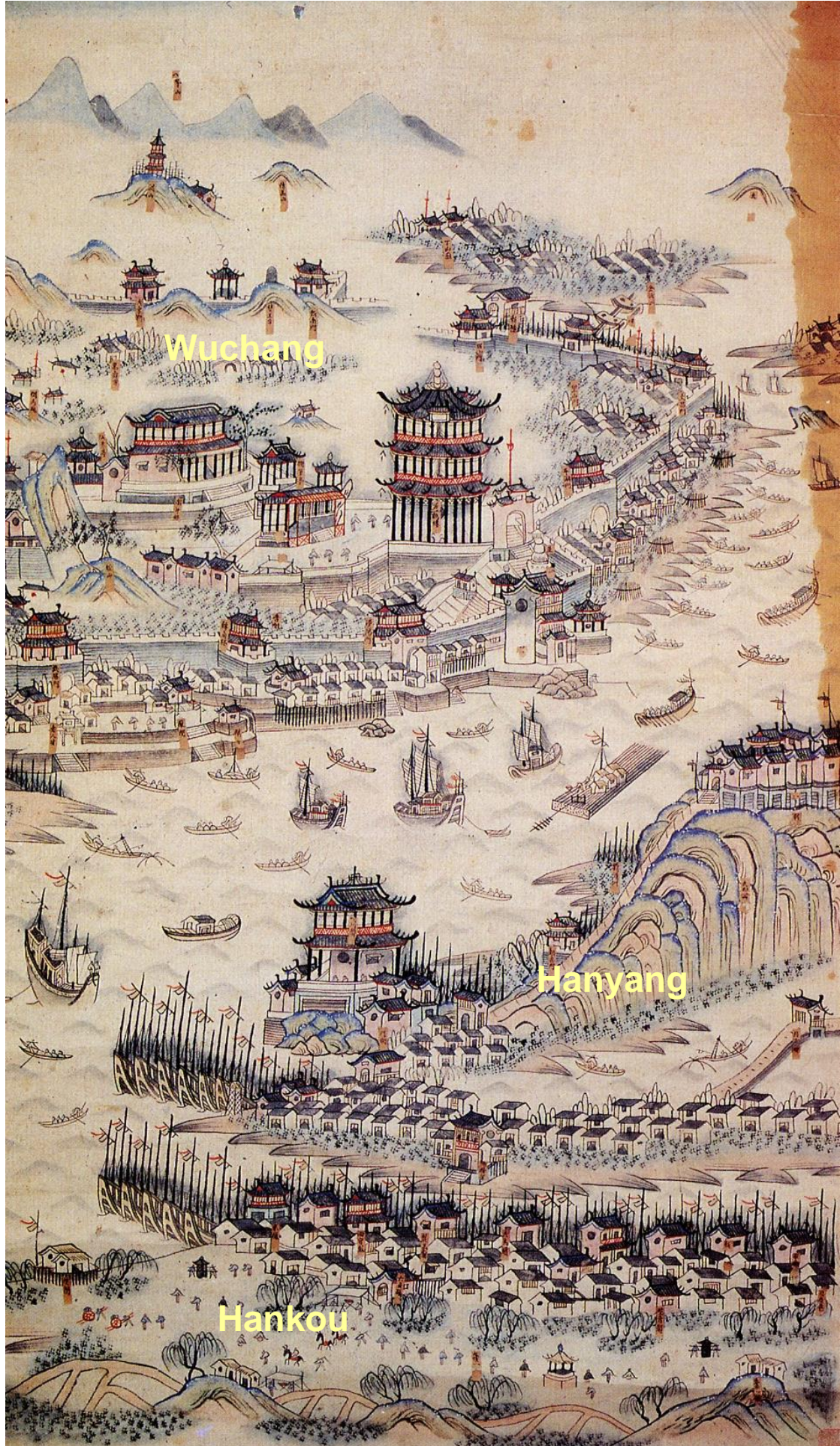
Wuhan is one of the second batch of national famous historical and cultural cities announced by State Council in 1986, and the city history can date back to Panlong City in Shang Dynasty 3500 years ago; it has a long history with many ancient relics and historical sites of modern times.

Preparation and implementation for protection planning of famous historical and cultural city has very important significance to enhance national cultural confidence, carry forward civilization of Yangtze River and revive the great Wuhan.



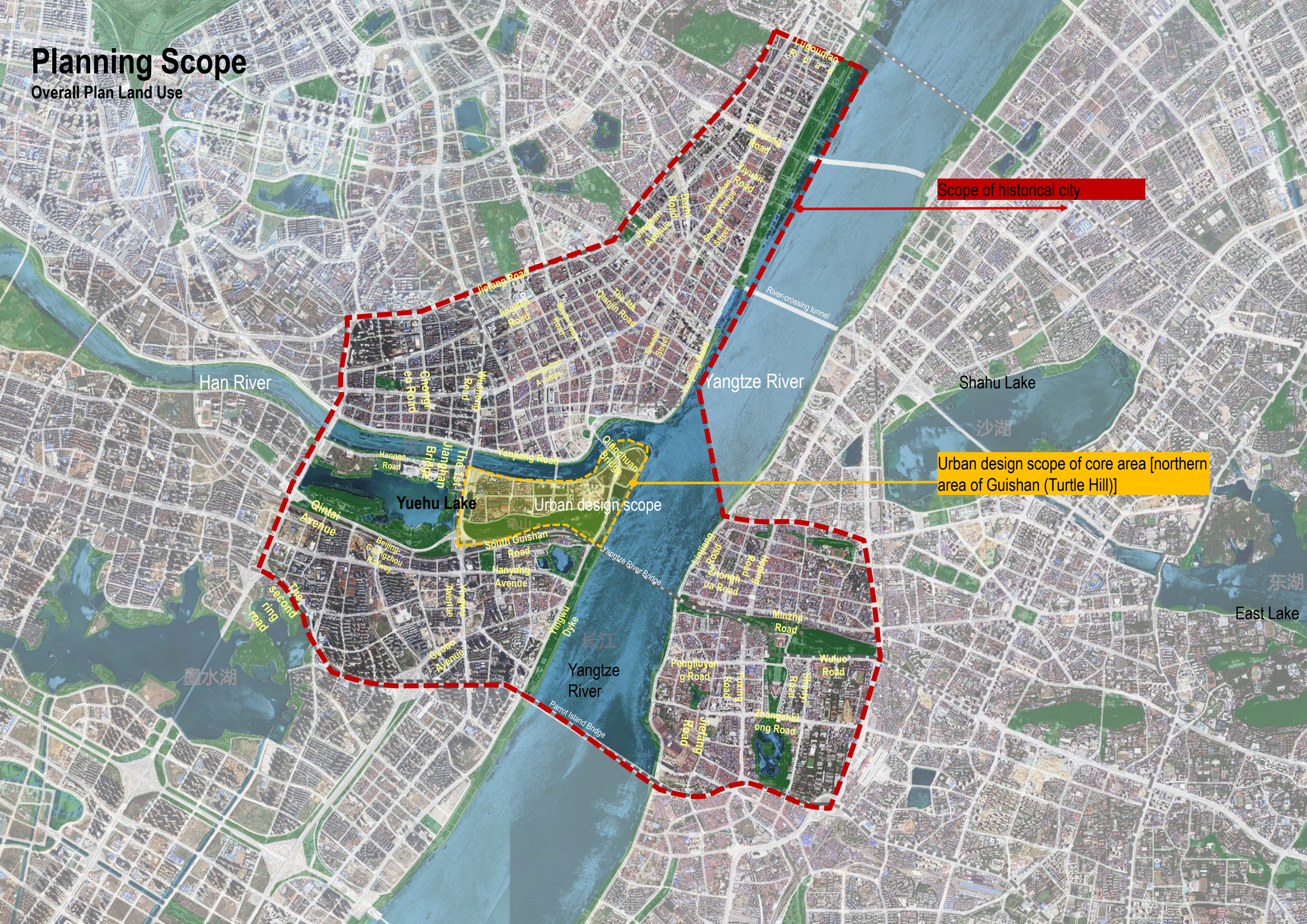
Protection graph of the historic cultural city in the main urban area

Protection graph of the historic cultural city in the administrative region of the city



Planning Scope

Overall Plan Land Use



Scope of historical city

Urban design scope of core area [northern area of Guishan (Turtle Hill)]

Han River

Yangtze River

Shahu Lake

Yuehu Lake

Urban design scope

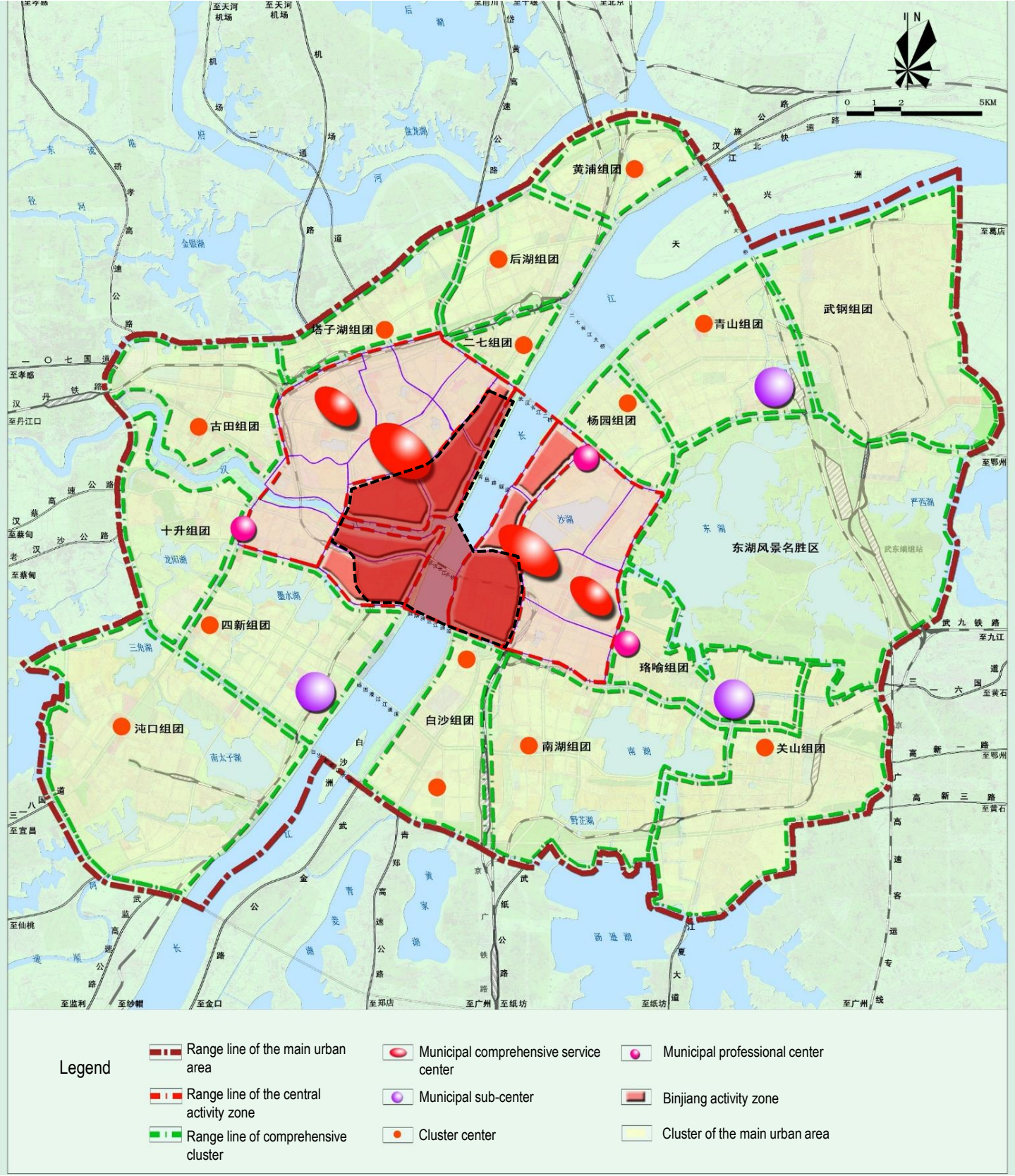
Yangtze River

East Lake

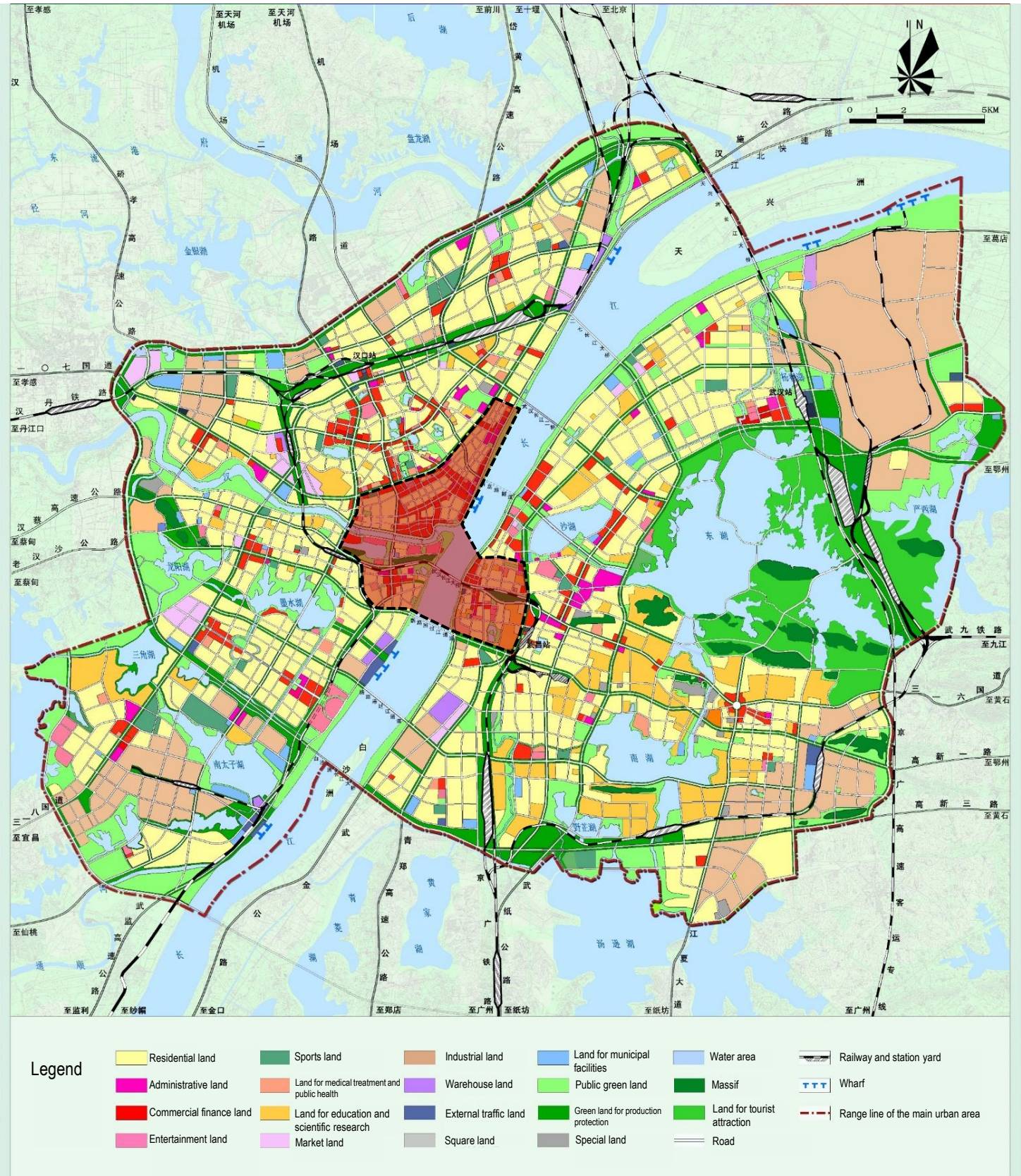
Planning for the Upper Position

Overall Planning for Wuhan (2010-2020)

Planning structure drawing of metropolitan development area
Overall Plan Land Use



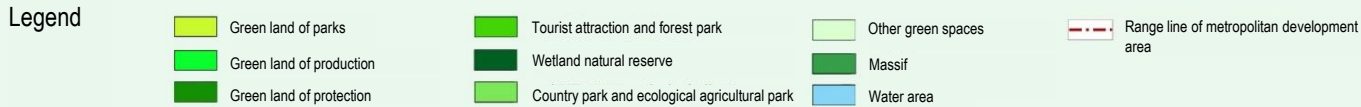
Planning graph for overall planning land use of the main urban area
Overall Plan Land Use



Planning for Upper Position

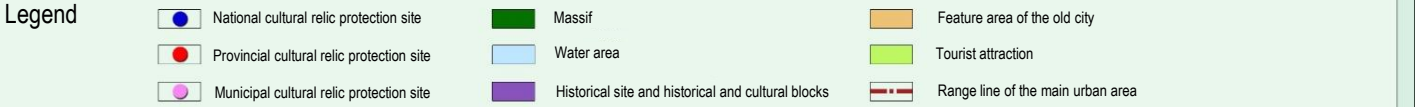
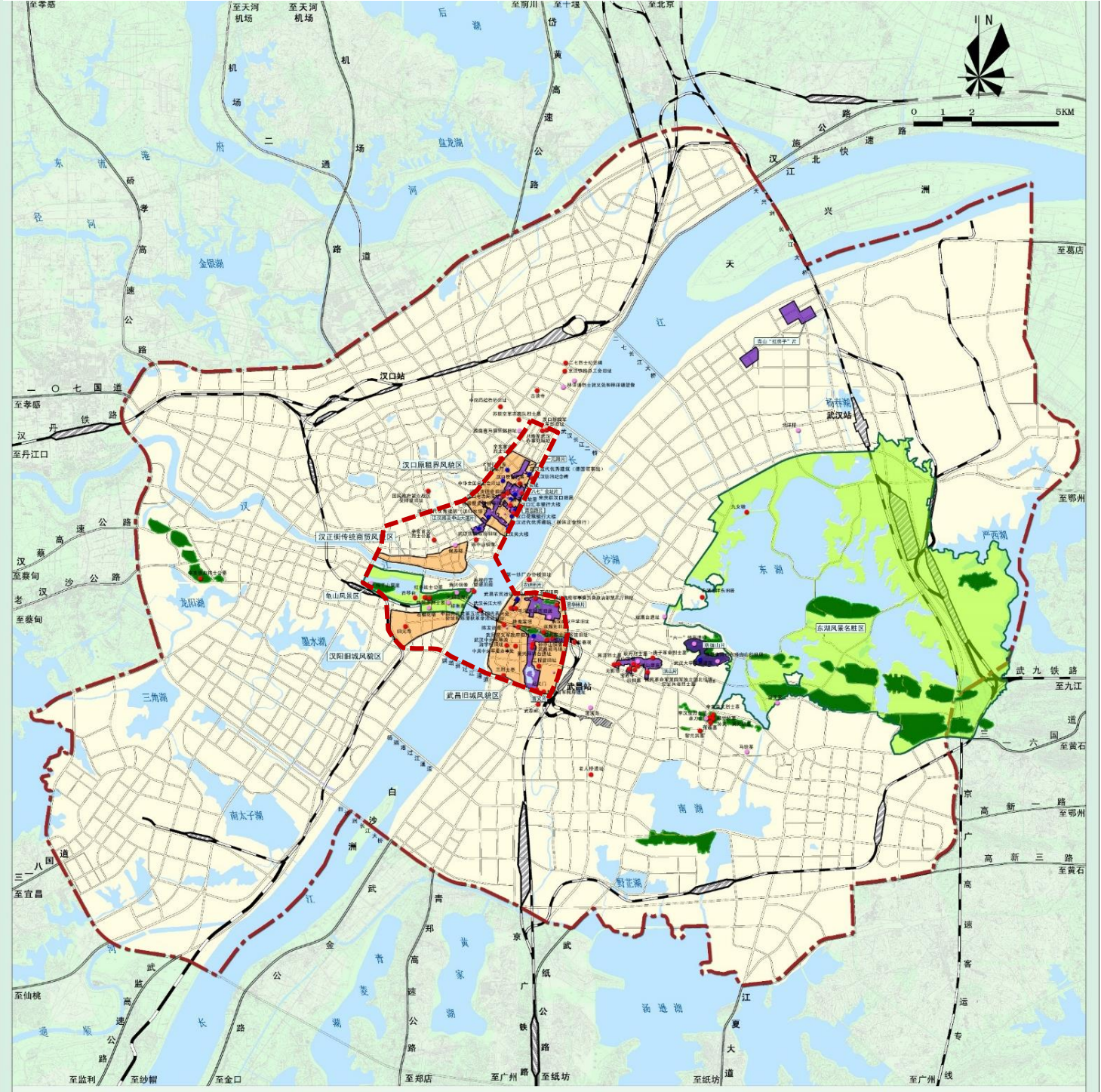
Overall Plan Land Use

Planning graph for green space system in metropolitan development area
Overall Plan Land Use



Overall Planning for Wuhan (2010-2020)

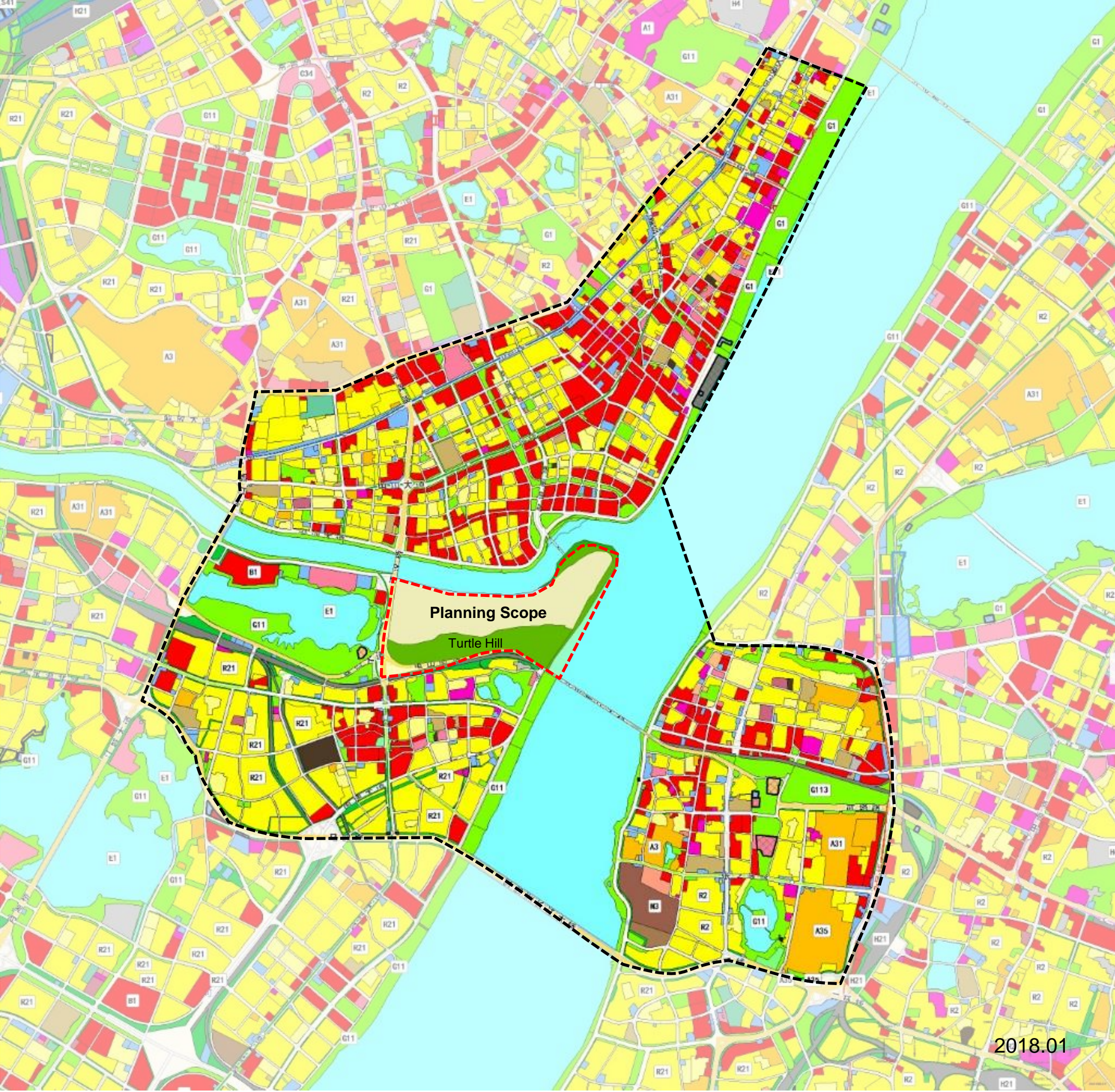
Planning graph for famous historical and cultural city in the main urban area
Overall Plan Land Use



Planning for the Upper Position

Detailed guide rule for controllability of Wuhan

- Legend**
- Residential land
 - Primary and Secondary School
 - Education and scientific research land
 - Commercial and financial land
 - Administrative land
 - Exhibition land
 - Entertainment land
 - Sports land
 - Hospital
 - Land for municipal facilities
 - Public green land
 - Ecological bottom line area Water area
 - Water

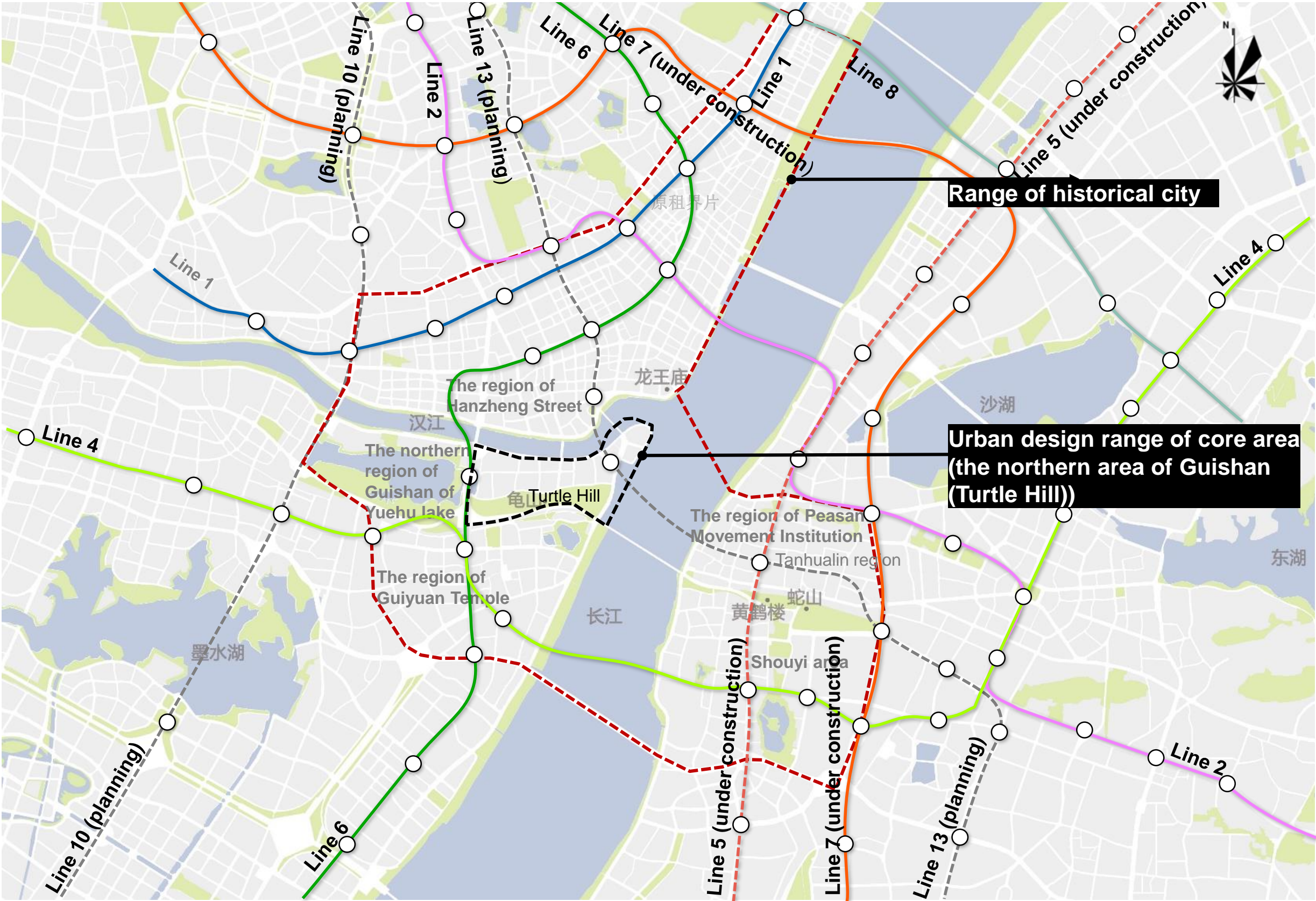


Planning for the Upper Position

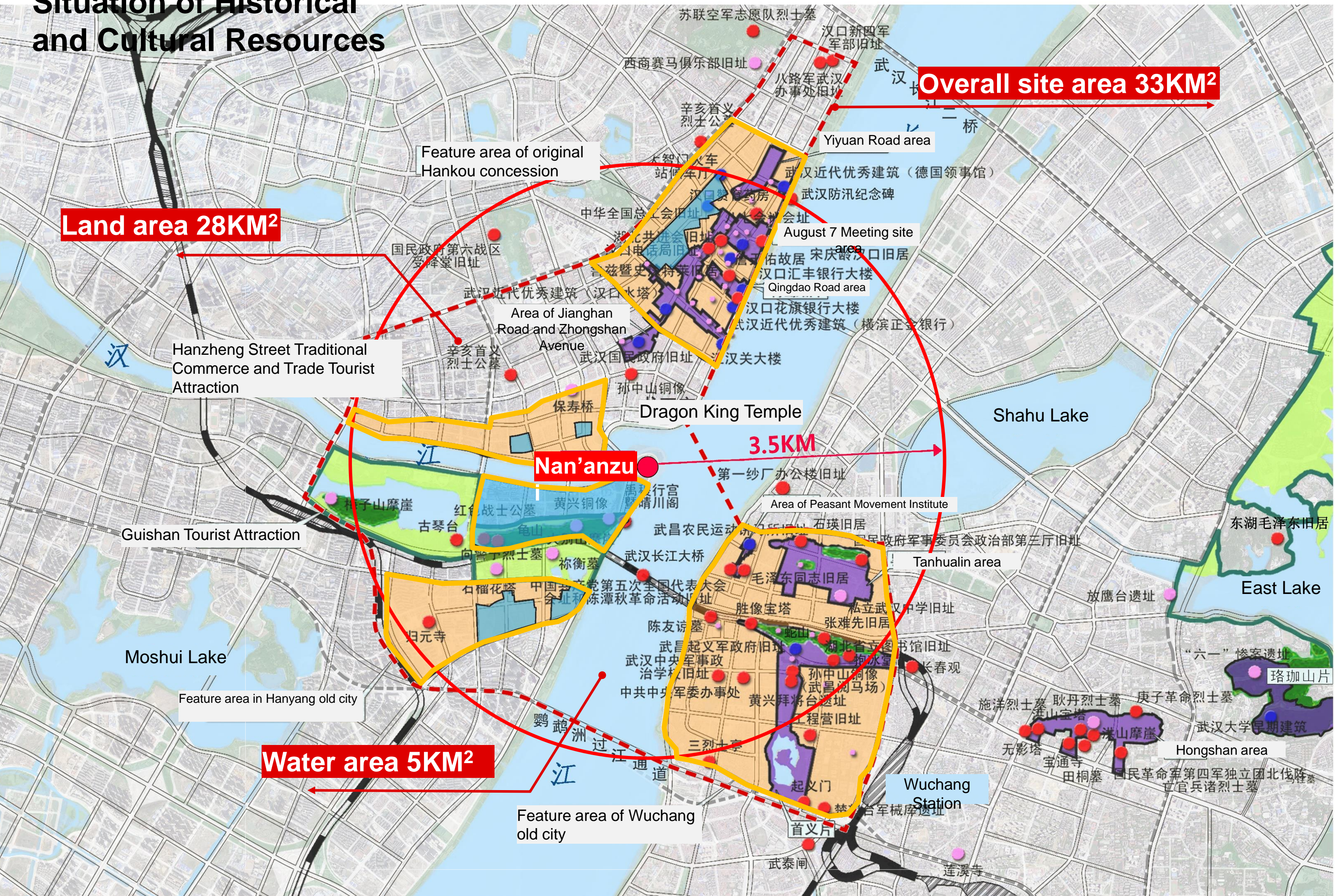
Wuhan rail transit planning

Five metro lines have been opened, and two lines are under construction and two lines have been planned in the historical city.

The northern Guishan region is near to Line 4 and Line 6 of rail transit, and Line 13 of rail transit will pass through the area in the future.



Situation of Historical and Cultural Resources



Basic Situation of Northern Guishan (Turtle Hill)

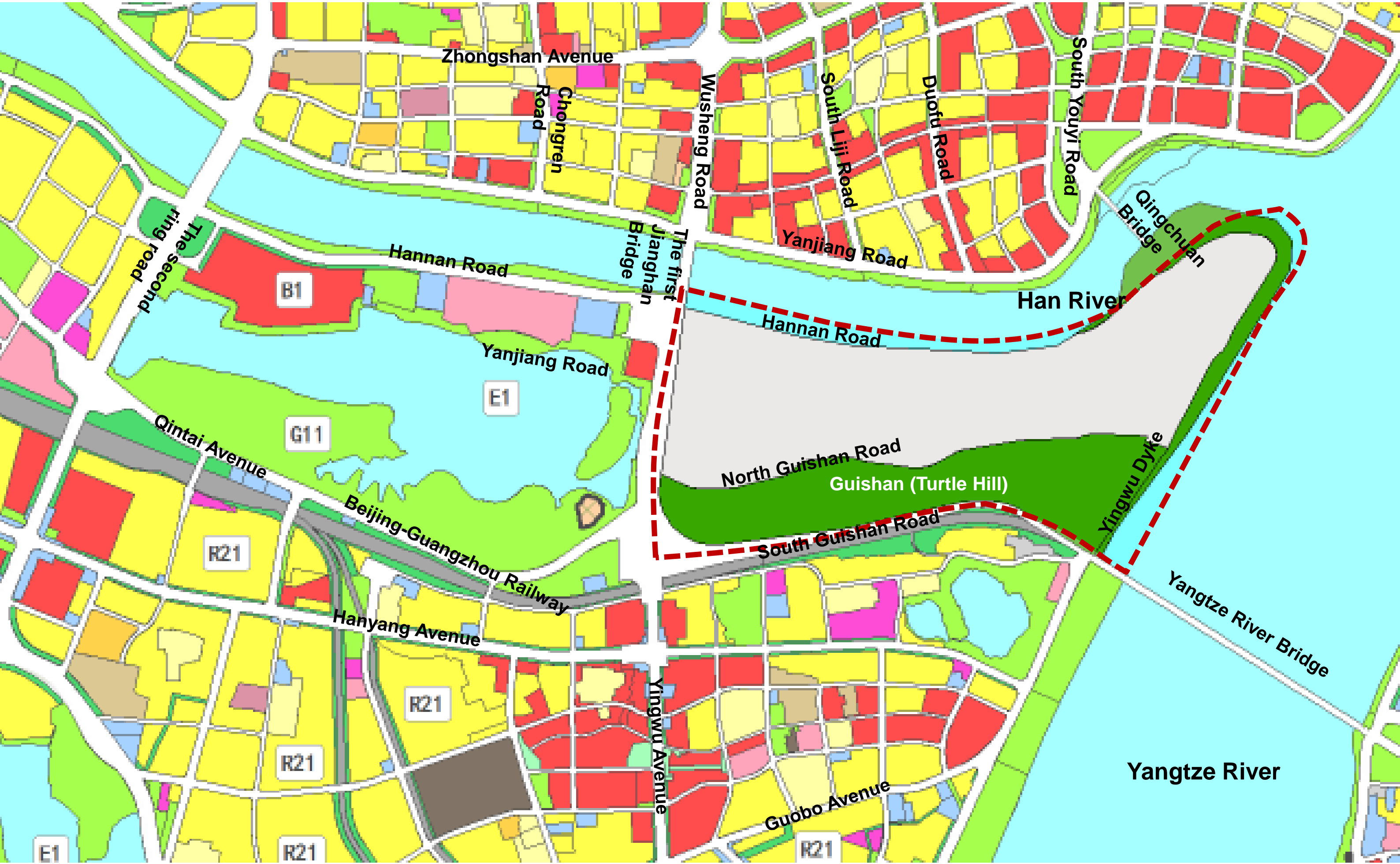
Satellite Image

The northern Guishan area is located in intersection of two rivers, integrating landscape of rivers and lakes, humanistic deposition and geographical feature; it is oriented as the urban humanistic core in the macro structure of two rivers and four riversides, and it is an important area to increase urban vitality and reflect urban features.



Basic Situation of Northern Guishan (Turtle Hill) Area

Wuhan Guide Rule for Detailed Planning of Ccontrollability



Basic Situation in Northern Guishan (Turtle Hill) Area

Superior Natural Resource Conditions



Lianhua Lake



Intersection of two rivers

Two rivers: intersection of Yangtze River and Han River and source of Wuhan;



Overlook in Guishan (Turtle Hill)



Meizi Mountain

Two mountains: Guishan and Meizi Mountain, being important composition of mountain system in west-east direction in Wuhan ;

One lake: Yuehu Lake



Yuehu Lake

Meizi Mountain, Guishan, Yuehu Lake Park and Snake Mountain, etc jointly compose landscape greening gallery in west-east direction in landscape system of water and mountain of urban two rivers and four riversides, being an important component and core landscape of "cross-type" landscape and landscape ecology axis fro Yangtze River, Han River and mountain system in west-east direction.



Guishan TV Tower

Basic Situation of Northern Guishan (Turtle Hill) Area

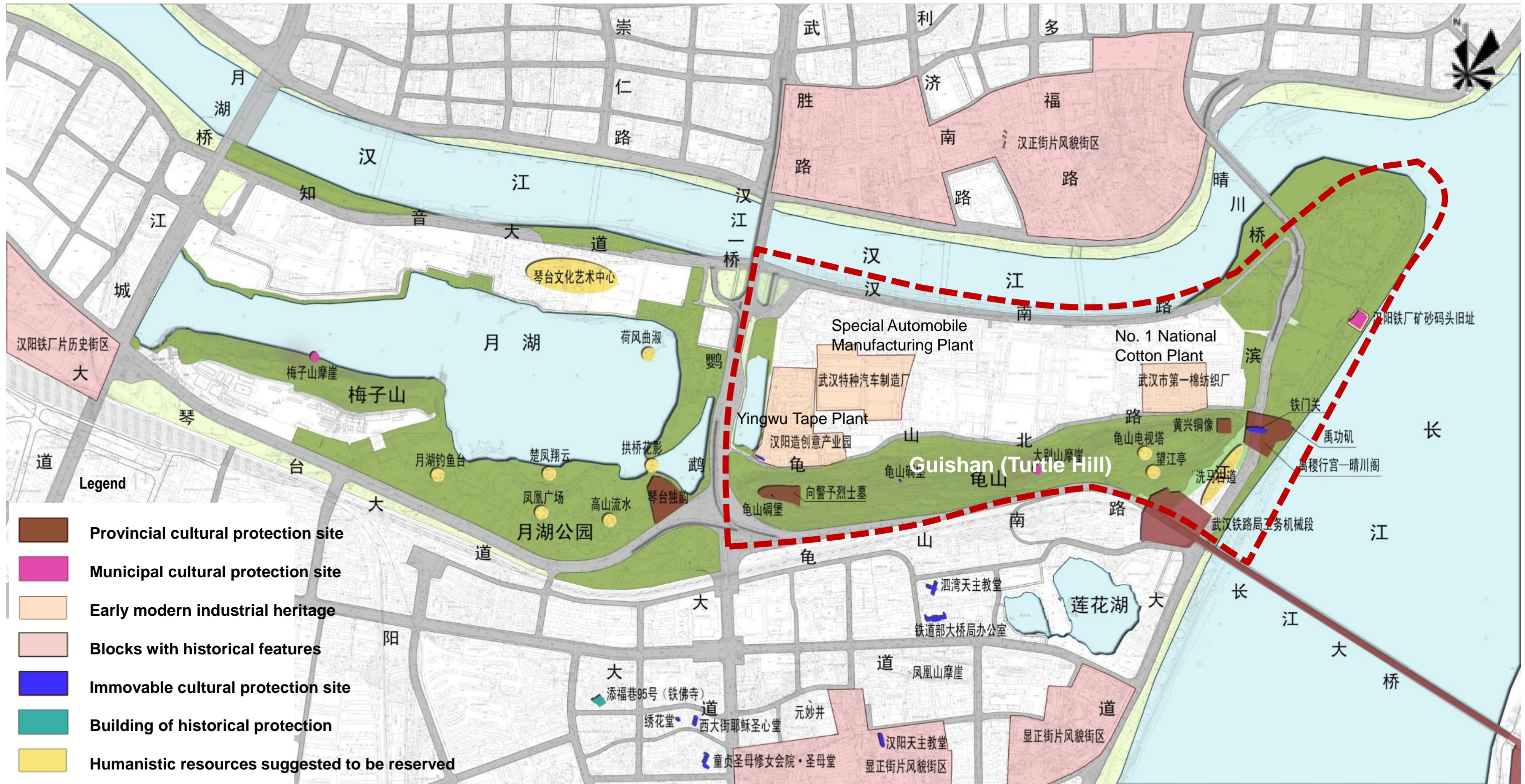
Abundant Historical and Cultural Resources

One block of historical and cultural feature: northern Guishan area

Ten cultural protection sites: two national sites including Yangtze River Bridge and Palace of Yu and Ji; four provincial sites including revolutionary soldiers cemetery, Martyr Grave of Xiang Jingyu, Bronze Statue of Huang Xing and Ancient Lute Platform; four municipal sites including rubbings in the precipices of Dabie Mountain and Meizi Mountain, Ore Sand Wharf Site for Hanyang Iron Works and Tomb of Lusu

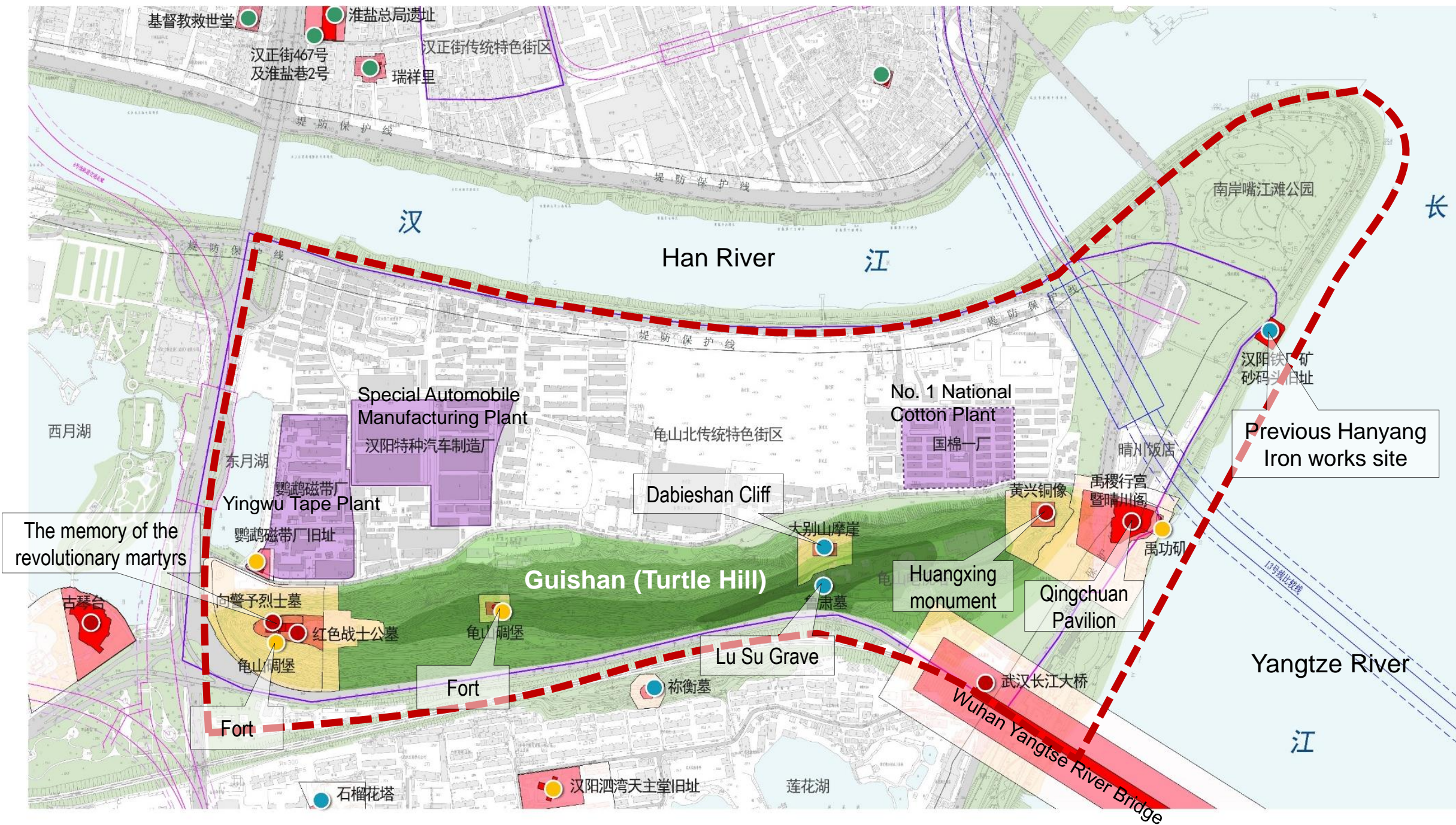
Five immovable cultural heritages: Mauser M1888 Rifle, Guishan Block House, Iron Gate Pass and Feats Rock of Yu

Three industrial heritages: Yingwu Tape Plant, Hanyang Special Automobile Manufacturing Plant and No. 1 National Cotton Plant



Basic Situation of Northern Guishan (Turtle Hill) Area

Abundant Historical and Cultural Resources



Yingwu Tape Plant

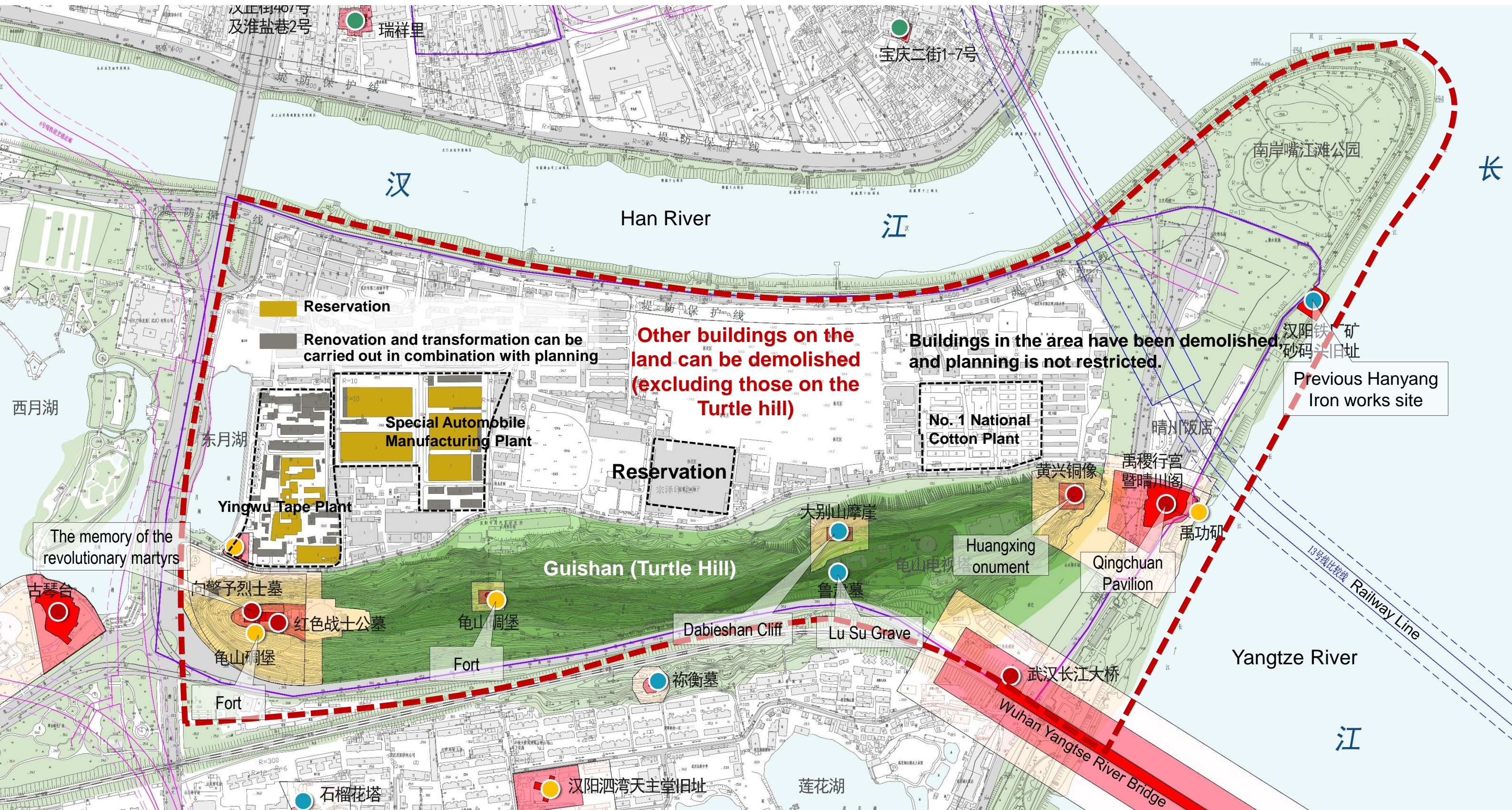


Special Automobile Manufacturing Plant



Mauser M1888 Rifle

Basic Situation of Northern Guishan (Turtle Hill) Area

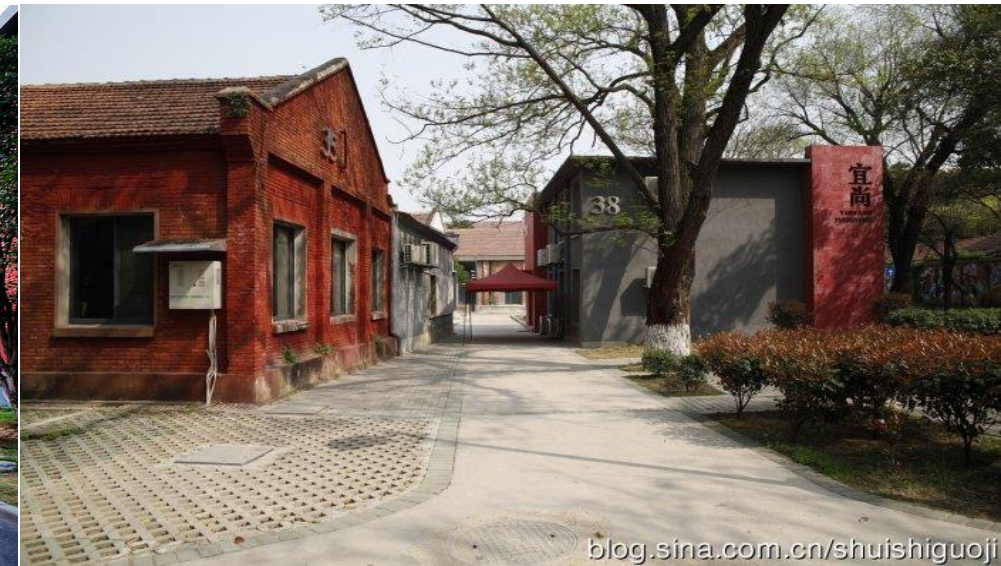
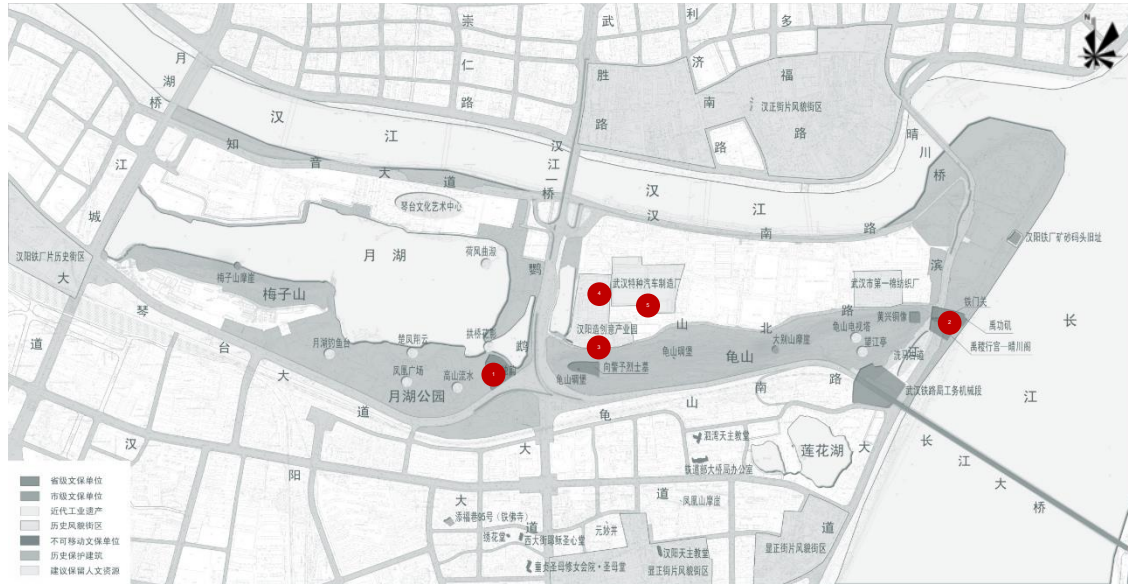


Legend

- National/provincial cultural protection site
- Building of historical protection
- Protection scope of cultural relics
- Municipal cultural protection site
- Blocks with traditional features
- Establishment of control zone
- Immovable cultural heritage
- Ontology line for cultural relic building

Basic Situation in Northern Guishan (Turtle Hill) Area

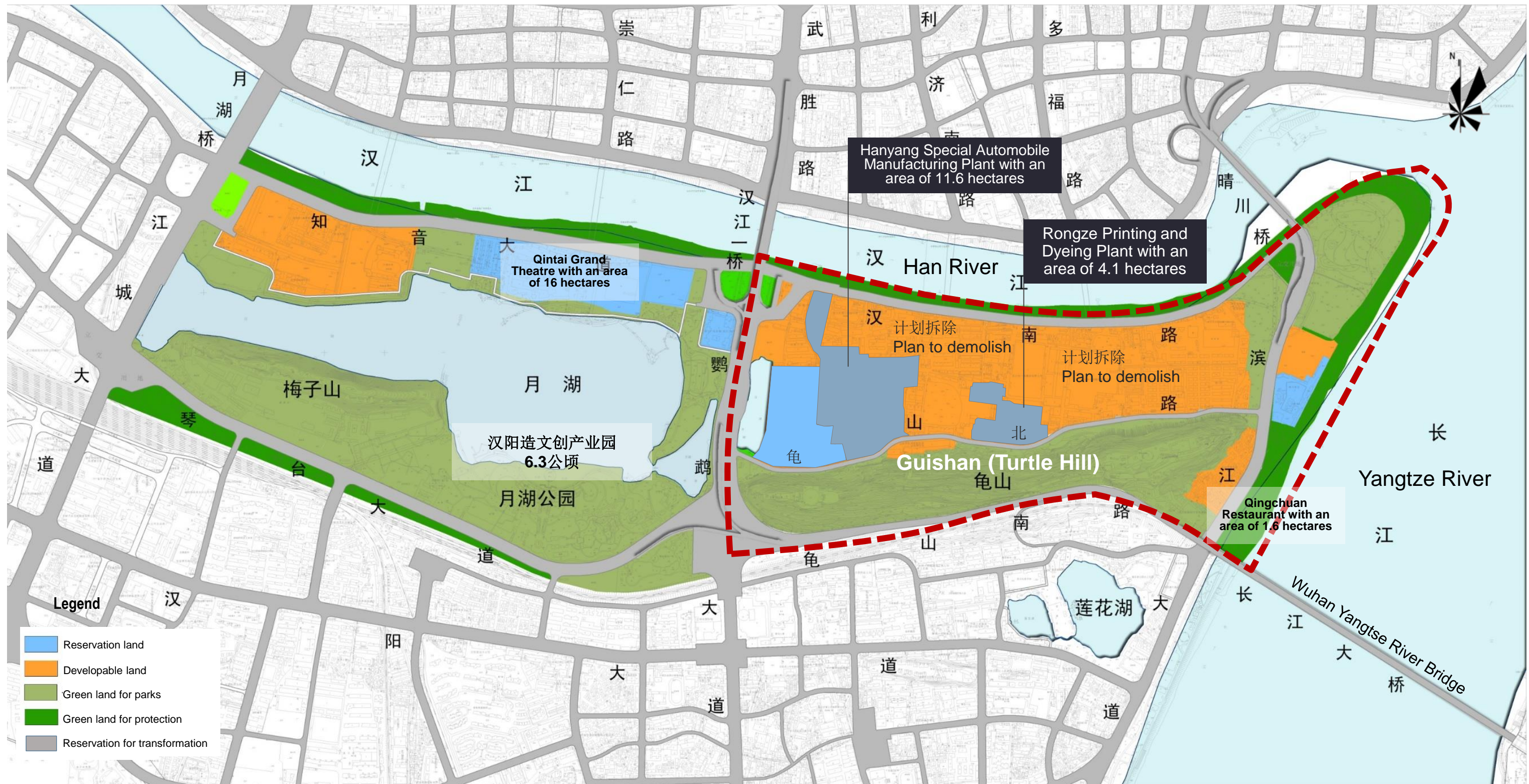
Abundant Historical and Cultural Resources



Basic Situation of Northern Guishan (Turtle Hill) Area

It Has Certain Land Use Development Space

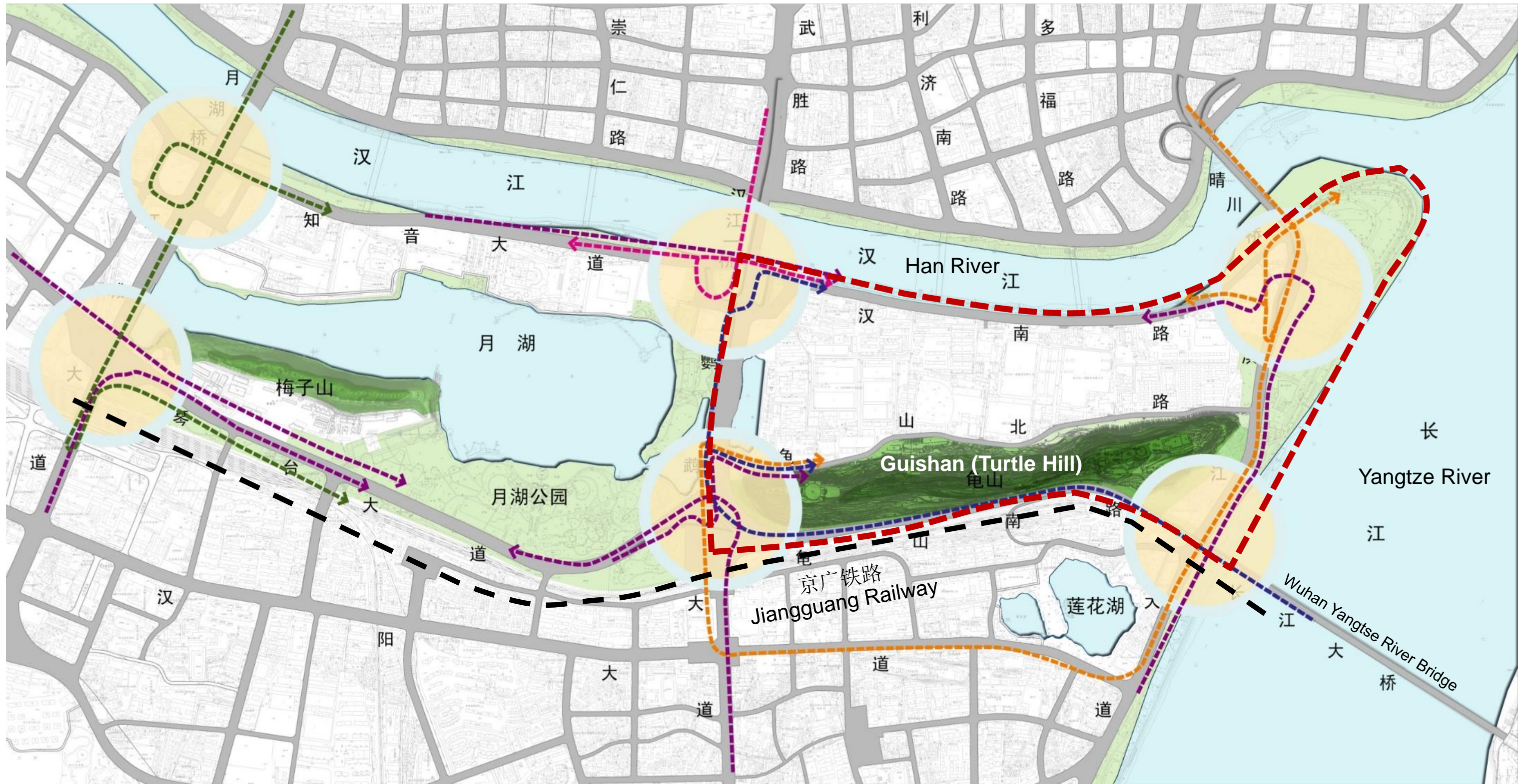
Nan'an zui River Beach Park includes about 13 hectares of green land, and Guishan park includes about 35 hectares of green land; and others are Mauser M1888 Rifle Cultural Creative Industrial Park (Yingwu Tape Plant), Special Automobile Manufacturing Plant, No. 1 National Cotton Plant, Rongze Printing and Dyeing Mill and reservation land for Wuhan Land Reservation Center etc, and the area of developable land is about 87 hectares (22 hectares in Phase 5 of Yuehu Lake and 65 hectares of Guishan)



Basic Situation of Northern Guishan (Turtle Hill) Area

Bad External Accessibility

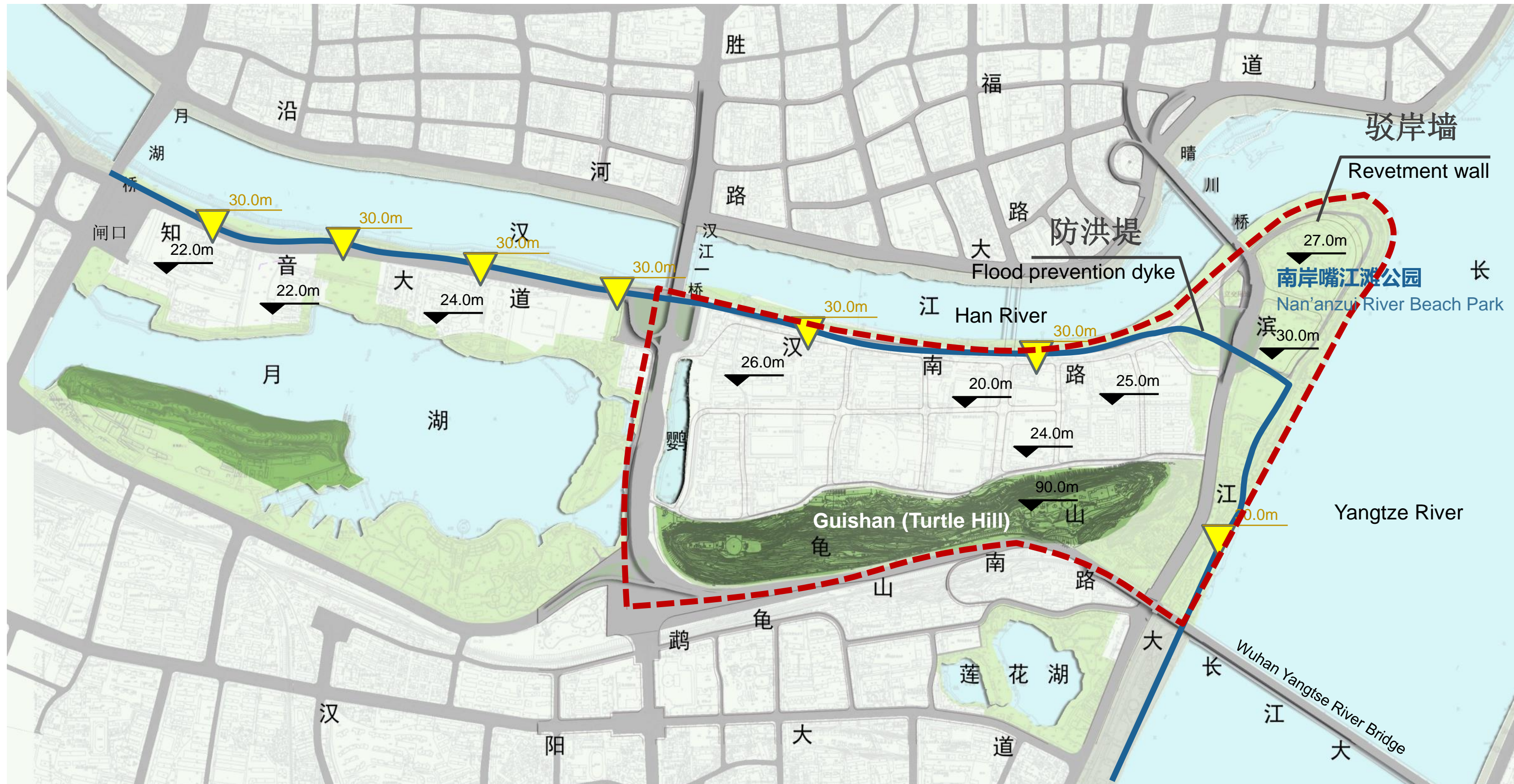
- 1) Traffic limitation to three-dimensional transportation
- 2) Traffic limitation to internal roads



Basic Situation of Northern Guishan (Turtle Hill) Area

There is flood prevention dyke for river control, thus the river water is controlled.

Top elevation of flood prevention dyke: flood stage in 1954 + 2.0 m; the flood stage in 1954 was the highest flood stage (exceeding the stage in 1998) of the recent decades, and elevation of the Yellow Sea is 27.64 m.

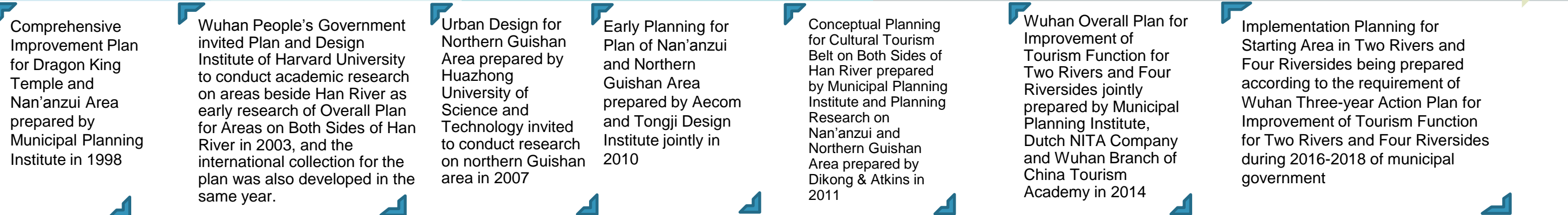
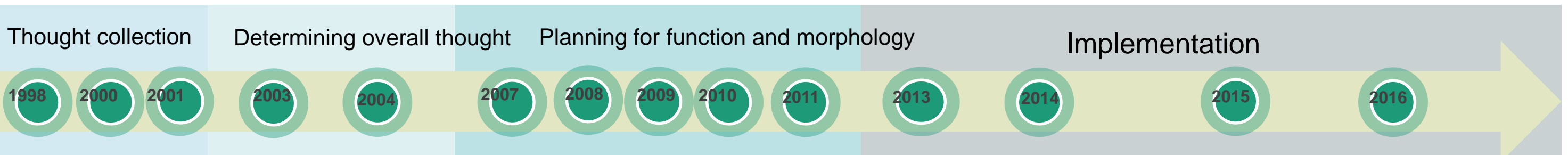


Early Planning for Northern Guishan (Turtle Hill) Area

Attention of municipal party committee and municipal government and the vast citizens has been paid to the planning and construction of Nan'anzui—northern Guishan area as intersection core of the two rivers. Residents in Nan'anzui have overallly moved since catastrophic flood in 1998, and rounds of plans have been prepared for Nan'anzui-northern Guishan area; the plan has experienced four phases of “collection of scheme thought-determining overall thought-planning for functions and morphology-implementation”, and consensuses haven been concluded after developing rounds of expert discussion.

Summary of past schemes: year 1998-now

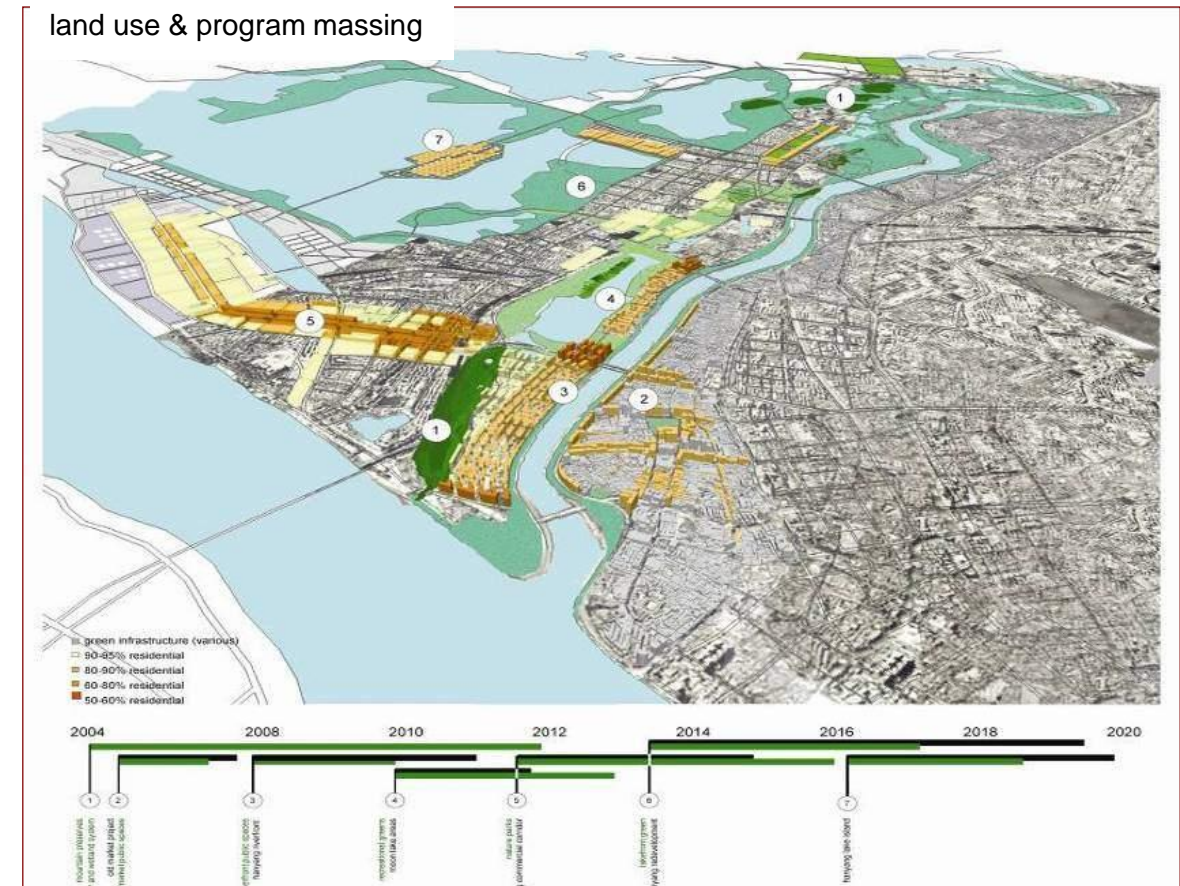
Many famous design institutions at home and abroad have been invited to prepare rounds of design scheme.



Early Planning for Northern Guishan (Turtle Hill) Area

Harvard University conducted theoretical research on Nan'an area in 2003.

Municipal government invited Plan & Design Institute of Harvard University to conduct academic theoretical research in aspects of planning design idea, social economic development and legal policies, etc in areas beside Han River in 2003. It aimed to construct urban public open space in Nan'an; northern Guishan area: it aimed to conduct mixed development and forge planning idea of metropolitan block, and ecological relation among Han River, Guishan Mountain and Yuehu Lake was also emphasized at the same time.



Early Planning for Northern Guishan (Turtle Hill) Area

International collection for overall planning of areas on both sides of Han River in 2003

International collection for overall planning of areas on both sides of Han River was conducted in July in 2003, and three international famous design institutes respectively from America, Australia and Hong Kong participated in the collection.

It was proposed to construct theme parks in Nan'anzui and northern Guishan area for WWCOT scheme;

it was proposed to plan mixed land in northern Guishan area mainly for top grade residence, large-scale public service facility and cultural and artistic facilities, etc and plan large-scale open space as space landscape node to be activity concentration place for citizens to create green ecology in Nan'anzui area for COX scheme;

it was proposed to conduct moderate mixed development of residence, business and public facility and control several greening passages in north-south direction in northern Guishan area and plan symbol building as citizen activity center by emphasizing the publicity of the place in Nan'anzui area for BAZO scheme.



Early Planning for Northern Guishan (Turtle Hill) Area

Comprehensive plan for development and construction in areas on both sides of Han River in 2004

Municipal Planning Institute integrated the three international consulting schemes and research thought of Harvard University based on this, and prepared comprehensive plan for development and construction in areas on both sides of Han River and determined overall planning structure and construction thought in areas on both sides of Han River.

It aimed to determine northern Guishan area as a compound functional area integrating cultural exchange, leisure club and top grade residence;

it aimed to construct large-scale green land for parks to forge symbol urban open space in Nan'an zui.

