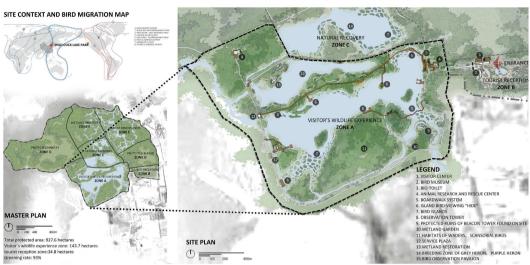


local and migatory – as the primary client. The wetland was transformed into a 'deluxe' sanctuary to enable the wildlife to return and flourish. Since its completion, local and migratory wildlife species have increased by 32%, and some of the rarest birds have made a The return of these spectacular birds in turn attracted bird lovers, photographers and the general public to visit the Park in record

numbers. In 2018, the Park welcomed 160 thousand visitors. The large number of visitors were anticipated. Though humans access to the Park is tightly restricted, a comprehensive suite of comfortable, yet environmentally-friendly facilities, including Observation Pavilions, Boardwalks, High Point Towers were built.

To maintain the equilibrium of human interests in nature and the needs of the wildlife, educational programs are conducted at the Visitor's Center and selected locations to heighten public awareness of the appalling history and critical importance of the Park.

# The Wild Duck Lake Wetland Park



The master plan divides the site into seven protection zones based on topographic and hydrological conditions. People are restricted to the Visitor's Wildlife Experience Zone to lessen the impact on the overall site, providing windows into the pristine reestablished habitat.





Before restoration, years of accumulated garbage polluted the site. After a massive clean-up, elevated boardwalks were strategically placed to allow people controlled access, and allow the natural flow of water and animals to pass beneath establishing an undisrupted habitat.





### WHAT'S DONE FOR WILD LIFE

32% increase in overall bird population, from 233 (2005) to 343 (2018) recorded species. 10 species are First Class National Protected Birds and 43 species are Second Class National Protected Birds.

A transit point for the international bird migration route (East Asian - Australasian route). 75 migratory bird species and more than 100,000 individuals have been recorded stopping annually (2015).









Wetland Bank Repair

STORMWATER OUTLET REPAIR HABITAT RESTORATION ■ **ECOLOGICAL DIVERSITY** PLANT DIVERSITY VEGETATION COVERAGE REMOVE GARBAGE FINGER ISLANDS WATER PURIFICATION WETLAND BANK REPAIR BIO-FRIENDLY CONCRETE PLANT ADAPTATION RIPARIAN HABITAT STABILITY ECOLOGICAL RESTORATION CREATE DEAD-END PATHS LIVE SPONGE BIONIC SYSTEM CREATION APPROACH ECOLOGICAL RESTORATION REVEGETATION BROKEN LOOP ROAD

CONSTRAIN HUMAN ACTIVITY IMPACT

■ WATERFRONT ACCESSIBILITY

ORSERVATION ■ EDUCATION PROGRAMS ANIMAL RESCUE

NON-POLLUTION VEHICLE

HIKING PROVIDE VISITOR CENTER

■ ADDITION OF SHADE TREES

HIGH POINT OBSERVATION TOWER

BOARDWALK SYSTEM MUSEUM

■ LIGHTING DESIGN

## WHAT'S DONE FOR PEOPLE

Visitor numbers have increased year by year reaching 160,000 people in 2018.



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Waterfront Spac











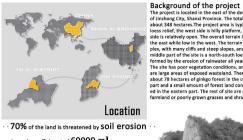
Visitor Cente

174 175

Create Dead-End Paths

## Jinzhong Baicaopo Park - Reconstruction of Regional Natural Ecosystem on Loess





Background of the project
The project is located in the east of the downtown
of linkhong City, Shandi Province. The total area is
about 348 hectures. The project area is typical of
losss relief, the west side is hilly platform, the east
side is relatively open. The overall terrain is high in
dies project of the state of the state of the state of the
pilex, with many cliffs and steep slopes, and the
middle part of the site is a north-south bees valley
formed by the erosion of rainwater all year round.
The site has poor vegetation conditions, and there
are large areas of exposed wasteland. There are
about 78 hectars of glingle forest in the central
ed in the eastern part. The rest of site are mostly
farminal or poorly grown grasses and shrubs. farmland or poorly grown grasses and shrubs.

Design Challenge The widely distributed collapsible loess is a special soil which the structure can be quickly destroyed by water. This special soil characteristic makes the soil eracisin occur frequently in the rainy season, and the ter-rain is unstable at the year round, however, due to the easy sedimentation of lease, the conventional engineering mea-sures of soil consolidation are very limited. Therefore, it is the key issue that how to use landscape methods to preserve the geomorphological characteristics of the site and maintain the stability of water and soil for subsequent design. At the same time, how to restore the damaged vegetation in the site, provide habitat for different species, how to deal with the artificial waste and how to enhance the landscape attractiveness of the site are all urgently to be solved.











Transportation System A coherent transportation



Signt
The Northeast is the commanding heights of the whole park.
Different spaces create abundant changes in sight.







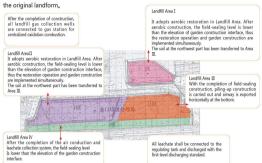


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## **IFLA** THE TENTH CHINA INTERNATIONAL GARDEN EXPO JINSHAN SCENIC AREA IN WUHAN

#### Construction of jingshan scenic area - landfill restoration

The reuse technology of brownfield of abandoned domestic waste dump, reduces the degradation process form 30-50 years to 3 years with the rapid degradation treatment and rejuvenates land value. The landfill has been divided into four zones based on the mounds feature. The management features the balance of safety and landscape, creating a beautiful natural mountain landscape with



#### Site Information

Construction site of former Jinkou landfill

Wuhan Jinkou Landfill covers an area of 45 hectares with a total waste capacity of over 5 million cubic meters and an average landfill depth of 10 meters. Due to the strong opposition from the local residents, the dump stopped operation in June of 2005. At that time, it had only simple closure while the waste gas, waste water, and waste residue generated were not stopped, exerting huge danger to this area.



The whole ecological restoration project does not involve any excavation of garbage mounds and features the balance of safety and landscape, creating a beautiful natural mountain landscape with the original landform.





#### Site Information

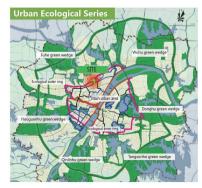


Jingshan Hill is the northern core scenic area of the 10th China (Wuhan) International Garden Expo Park , which covers an area of 105 hectares, The main site used to be the 45-hectare obsoleted Jinkou landfill. Through the rapid and harmless treatment and ecological reconstruction of the garbage dump, an open ecological park has been created for the surrounding 100,000 residents.



The LID low-impact ecological grass ditch technology is adopted to set up an ecological grass ditch on the hill every five meters, in which soil-retaining plants are planted in the grass ditch to minimize the erosion





Through ecological darning, Wuhan has realized the integration and infiltration of Fuhe green wedge, one of, the six urban ecological green wedges, into the urban area, forming the regional ecological systematic linking.



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