

OUR CONSERVATION STORY

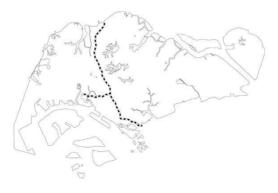
Green Corridor

by Nature Society Singapore



History of the KTM

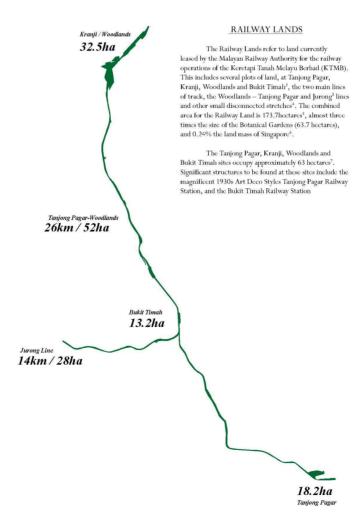
The Keretapi Tanah Melayu (KTM) railway line was first constructed in 1903, and extensions were built over the years. In 1932, the Tanjong Pagar Railway Station was officially opened.



Woodlands line from north to south and Jurong line, branching west (Source: Nature Society Singapore)

Area of the rail

The combined area of the railway lands, along Woodlands and Jurong lines, was expected to cover 173.7 hectares.





Greenery along the Rail Corridor

Almost all the terrestrial habitats such as forests, woodlands, scrublands, grasslands, mangroves, and marshland, are present along the KTM line that runs generally from north to south of Singapore.



Habitats along the Rail Corridor. Top left (clockwise): forest, woodlands, mangrove, grassland (Source: Nature Society Singapore)



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Walks in the 1990s

In the 1990s, Nature Society (Singapore) (NSS) had been conducting walks for members to showcase the wildlife and greenery along the rail corridor.

> 28 Sunday: Rail trek with Goh Si Guim. Meet at 7.30 am opposite the junction of Upper Bukit Timah Road and Rifle Range Road (map 195). The junction is near the Yeo Hiap Seng factory. Changes in our economic fortunes have led to the demise of the westward stretch of the railway system. This casualty is a gain for Mother Nature who has gradualty reclaimed the remains into her realm. Come and enjoy the peace and quiet, wildlife and greenery that now reigns along this line which once brought "fuel to fire" to the busy Jurong Industrial

6 Sunday: Ramble on the Rails with Goh Si Guim (tel: 772-5255). Meet at Alexandra Hospital carpark, in front of Somedico Pharmacy at 0800 hrs. This four-km walk along the railway line to Holland Woods takes you pass housing estates and open wasteland. You will see some freshwater habitats, wildflowers, culityated plots, birds and much more. Bring guidebooks for a more rewarding stroll. The walk should end by noon. If it proves popular, we will have more outings to explore the line up to Woodlands. (See page 7 for the recce report.)

22 Sunday: Rail trekking with Goh Si Guim. Meet at 7.30 am at Buona Vista MRT station. Si Guim continues the walk along the railway line up to Upper Bukit Timah, passing through cultivated plots and grasslands. Bring along your BP guides on wildflowers and amphibians.

Raitrek II (25/9/94)

n Sunday morning the Haze that clouded Singapore became notably bad, but for us hard-core nature lovers it did not detract us from our appointed 'Nature Stroll', the third of a series of Railtreks.

About 30 of us met at Bukit Timah near the Yeo Hiap

Railtreks.

About 30 of us met at Bukit Timah near the Yeo Hiap Seng factory, the starting point of our walk. Not long after we left the quaint little Bukit Timah railway station, the tracks forked out - one towards Singapore Railway Station and the other, which we took, to Teban Gardens ending in Jurong. This portion of the track has long since been abandoned. The railtracks were hardly visible in most parts, overgrown by unwieldy creepers, underbrush and weeds. It was a dull day for birdwatching. Si Guim kept us informed along the way pointing to the wild flowers and greenery around us, giving their names and sometimes making childhood clays. We also spotted some hornets' nests while walking through a tunnel under Clementi Road. There were a couple of rusty, rickety bridges which we gingerly crossed, carefully avoiding the gaps! The bridge across Sungei Ulu Pandan reminded us of the bridge over the River Kwai in Kanchanapuri (Thailand). Strictly speaking, the strip of land where the railtrack is on belongs to Malaysia, but this did not deter some people from farming alongside it. We observed huge and healthy long beans, lady's finger and chillies thriving. There were also sugar cane, tapioca and cabbage plants.

We ended our walk just after Teban Gardens, tired fut satisfied to have come this far in soite of the other come this far in soite of the page and the alter the sevene the far in soite of the poor.

cabbage plants.
We ended our walk just after Teban Gardens, tired
but satisfied to have come this far in spite of the poor
visibility that morning.

Snippets of Nature News to inform members of NSS of walks conducted by volunteers along the Rail Corridor (Source: Nature Society Singapore)









Photos of NSS walks conducted by volunteers along the Rail Corridor (Source: Nature Society Singapore)



Decommission of KTM in 2010

On 24 May 2010, it was announced in a joint statement that the function of Tanjong Pagar Railway Station as a terminus will be transferred to Woodlands station in July 2011. This would render the remaining of the Keretapi Tanah Melayu (KTM) rail line defunct.¹

On 28 May 2010, Leong Kwok Peng sent in a letter to The Straits Times (ST) Forum to voice his idea to make the railway line a fabulous nature corridor and green expressway connecting northern and southern Singapore

"A fabulous nature corridor."

WR LEONG KWOK PENG: "Imagine an almost continuous stretch of natural forest, fruit orchard and greenery from lanjong Pagar to Woodlands. Where else can one exercise uninterrupted by road crossings and enjoy nature simultaneously? Wouldn't the railway line make a abulous nature corridor and green expressway connecting northern and southern Singapore?"

Scan of Leong Kwok Peng's idea to The Straits Times (Source: Leong Kwok Peng)

On 21 September 2010, the landmark land deal was sealed for Singapore to purchase the land where the track sits.

On 9 October 2010, The Straits Times reported that NSS was close to finishing the Green Corridor proposal and quoted Dr Shawn Lum, "If we could have green strips along the railway land, we would be connecting existing green spots from Sungei Buloh Wetland Reserve in the north all the way to almost Mount Faber. As a green corridor, the railway land would serve as a sort of Central Expressway for plants and animals. It would allow the movement of species previously cut off from each other, increasing the genetic diversity of local wildlife."

'Nature corridor' proposal for railway land

Nature Society's idea incorporates cycling paths, recreational areas

Dy Inners At Vone

But some property analysts posal will be a hard sell. And approved, a nature corridor last for a decade or two. The r dor will inevitably be develop are sound reasons to incorpo into development plans.

The Straits Times, 9 October 2010 (Source: NewspaperSG)



On 13 October 2010, NSS Immediate Past President and former NMP Dr Geh Min lent her voice to this idea in the ST Forum page, "... the most unimaginative solution - and a costly mistake - would be for policymakers, planners and developers to parcel out the land as real estate." She added that the land has value "as ballast in nation building and sustainable development."

Keep railway's vibrant heritage, don't parcel out the land

Letter from Dr Geh Min to The Straits Times, 13 October 2010 (Source: NewspaperSG)

Preparing for the Conservation Proposal

Then-Vice President, Mr Leong Kwok Peng, gathered a team of like-minded individuals, mainly architects, to come together to discuss about the possible future of the railway line.



Discussion over satellite photos of the railway line with largely architects and Conservation Committee Chair, Dr Ho Hua Chew, in October 2010 (Source: Nature Society Singapore)

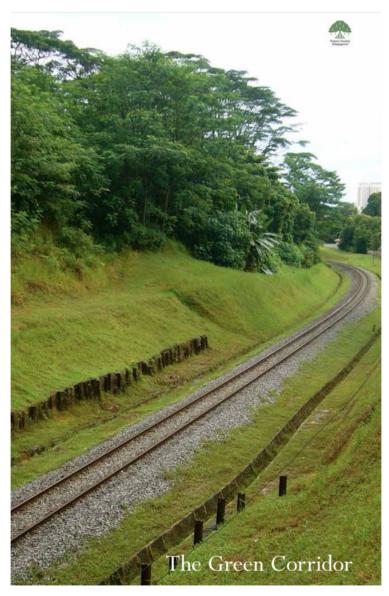


The Conservation Proposal

Then-Vice President, Mr Leong Kwok Peng, published a conservation proposal titled "The Green Corridor A Proposal to Keep the Railway Lands as a Continuous Green Corridor".

The proposal highlighted the values of the various parcels of land, both ecologically and historically. The value proposition included its ability to connect green spaces together, connecting communities of people together, and providing a cycling route as a clean and green transport alternative, all through this 40 kilometres trail. It accentuated the value of this green corridor environmentally, socially, recreationally and historically.

The proposal also described the various green spaces such as the Pangsua woodlands, Bukit Timah Nature Reserve, Mandai mudflats, and many others.



Proposal to conserve the railway as a Green Corridor, published on 9 October 2010 (Source: Nature Society Singapore)



Nature Watch 2011

An article to promote Green Corridor was published in the January - March 2011 issue to NSS's members. It summarises the proposal to conserve the railway as a green corridor and highlighted the nature area along the railway land.



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Government Engagements in 2011

On 16 June 2011, The Straits Times reported that then-Minister of State for National Development, BG Tan Chuan Jin, mentioned that the Urban Redevelopment Agency (URA) and National Parks Boards (NParks) to discuss the proposal put up by NSS.



The Straits TImes, 16 June 2011 (Source: NewspaperSG)

On 30 June 2011, various newspapers reported on the final closure of the KTM line. The Straits Times also quoted Leong Kwok Peng saying, "The essence, the beauty of it lies in an unbroken countryside view. If you don't keep it now, I don't think you'll have the chance to in future."

In July 2011, a full-length 23km walk was also conducted with then-Minister of State for MND, BG Tan Chuan Jin, and then-Chief Planner at URA, Mr Lim Eng Kwee.



From left to right, Jeremy Chan (Green Corridor working group), Kevin Chin (SAF friend of BG Tan), Leong Kwok Peng (NSS Vice-President, seen squatting), Dr Ho Hua Chew (NSS Chair of Conservation Committee), BG Tan Chuan Jin (MND) Lim Eng Kwee (Chief Planner, URA), and Dr Shawn Lum (NSS President) (Source: Nature Society Singapore)



During the 2011 National Day Rally, then-Prime Minister Lee Hsien Loong also mentioned about the rail corridor, highlighting the contributions from nature groups and civic groups and their collaborations with the ministers.

One of them is the KTM railway line, the land we took back on July 1 and on which we are creating a green corridor along the railway. There are many views outside encouraging the government to make this a beautiful green corridor, to add to the amenities of living in Singapore. MND, URA and me, we are very keen on this, so URA has been carrying out an extensive public consultation. Khaw Boon Wan is in charge but Tan Chuan Jin has been personally focused on this and talking to the different nature groups and civic groups outside, looking for creative ways to preserve the green spaces without affecting the development potential of the land which can be developed, because there are lands which can be developed and which should be developed because they are very valuable. But a strip of the railway, I think we can do something interesting with that. We have got many bright ideas, some from students, some from architects, some from design professionals and they sent them to us. They want to use some sections as creative arts and performing spaces. They want to develop a leisure corridor, link them to our park connector network and there are some pictures which you can see. This is Sungei Pang Sua, this is a canal. The actual railway line is just beyond

Snippet form the National Day Rally 2011 (Source: https://www.pmo.gov.sg/Newsroom/National-Day-Rally-2011)



On 2 July 2011, URA announced that it would "comprehensively review and chart the development plans, and study the possibility of marrying development and greenery, such as applying innovative strategies to maintain a continuous green link along the rail corridor, without affecting the development potential of the lands". Leong Kwok Peng was quoted as saying that there is space for some development at the edges of the corridor, as long as the corridor itself remained continuous, with any development merging with the landscape.

On 9 July 2011, The Straits Times reported that the URA will be studying the possibility of integrating development and greenery without affecting the developmental potential of the lands.

On 23 July 2011, The Straits Times reported that discussions were ongoing between government agencies and civic groups including NSS. There were plans to engage the public, including holding exhibitions and dialogues with residents and schools along the line.

On 28 July 2011, The Straits Times reported that BG Tan's announcement that plans for the land will be drawn up over the next two years, and will appear in the 2013 URA Master Plan. There will be an advisory committee that includes community groups like NSS.



URA exhibition, Re-imagining the Rail Corridor

On 8 November 2011, the Conservation Proposal was one of those being presented during the URA exhibition.







Leong Kwok Peng with then-President Mr Tony Tan and Dr Ho Hua Chew with then-Member of Parliament, Mr Tan Chuan Jin (Source: Nature Society Singapore)



The Green Corridor Runs

The inaugural Green Corridor Run in 2013 was organised to raise public awareness for the green corridor and to raise funds for Nature Society (Singapore).

6,000 athletes in first Green Corridor Run

MORE than 6,000 runners took

The 26km Woodlands to Tan-

old Bukit Timah railway station

The Straits Times, 28 January 2013 (Source: NewspaperSG)





Photos for the inaugural Green Corridor Run in 2013, organised by Groundswell Events Pte Ltd (Source: Nature Society Singapoare)

Since 2015, the Green Corridor Run was undertaken by the Public Utilities Board (PUB) which was then known as PUB Green Run. Such events continued till 2021. ¹

¹ https://www.greenrun.com.sg/



Murnane Pipe Installation by PUB

On 1 July 2014, PUB announced that half of the 22km pipe from Murnane Reservoir will be laid under part of the rail corridor. On 28 June 2014, NSS formed part of a team to lead then-Minister for the Environment and Water Resources, Dr Vivian Balakrishnan and PUB representatives down the rail corridor.

New pipeline to deliver water to city area

About half of 22km pipe will go beneath former KTM railway line

The Straits Times, 1 July 2014 (Source: NewspaperSG)





Leong Kwok Peng leading a walk for Dr Vivian Balakrishnan and PUB representatives (Source: Vivian Balakrishnan Facebook)

Outcome

Focus group discussions continued over the years until 19 March 2015 when it was announced that the rail corridor will be kept as a 24km green stretch.

Rail Corridor on track to be continuous 24km green stretch

Six areas earmarked for special attention as URA calls for proposals

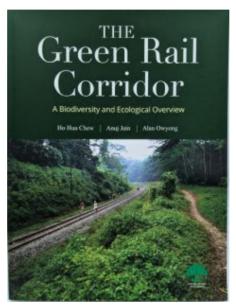
Corridor to be inclusive and accessible, for instance, with the addition of shelters and toilets, while the lighting has to be sensitive to

The Straits Times, 19 March 2015 (Source: NewspaperSG)



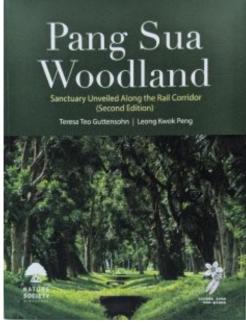
Other Publications

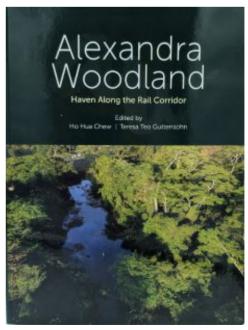
In 2019, the book, The Green Rail Corridor, A Biodiversity and Ecological Overview was published. It described the various habitat, its importance to migratory birds, and important unprotected nature areas like Mandai mangrove, Kranji woodlands, Clementi forest, Alexandra woodlands and spaces along Jurong Line. It also included records of birds, butterflies and other vertebrate species.



The Green Rail Corridor (Source: Nature Society Singapore)

In 2021 and in 2022, Pang Sua Woodlands and Alexandra Woodland were also published respectively.





Pang Sua Woodland and Alexandra Woodland (Source: Nature Society Singapore)



Rail Corridor Today

In 2019, Friends of Rail Corridor was formed. In it, NSS was represented to play a more active role in promoting responsible use of Rail Corridor through ground-led programmes and initiatives.



Friends of Rail Corridor (including Dr Shawn Lum and Leong Kwok Peng) with Minister Desmond Lee (Source: Nature Society Singapore)



NSS Rewilding

Since 2022, NSS also started to our signature programme, NSS Rewilding, along the Kranji stretch. NSS Rewilding aims to provide a continuous canopy cover over the Rail Corridor to improve the habitat connectivity of green spaces in Singapore specifically the mangroves in the northwest, the forests further inland, & the urban greenery in between.



Process of NSS Rewilding (Source: Nature Society Singapore)





Volunteer engagement in NSS Rewilding (Source: Nature Society Singapore)