

The background image shows a coastal city with numerous high-rise buildings and a large body of water. In the foreground, a large, dark, and somewhat barren mountain slope is visible, with a winding path or stream bed running along its side.

My River, My Community

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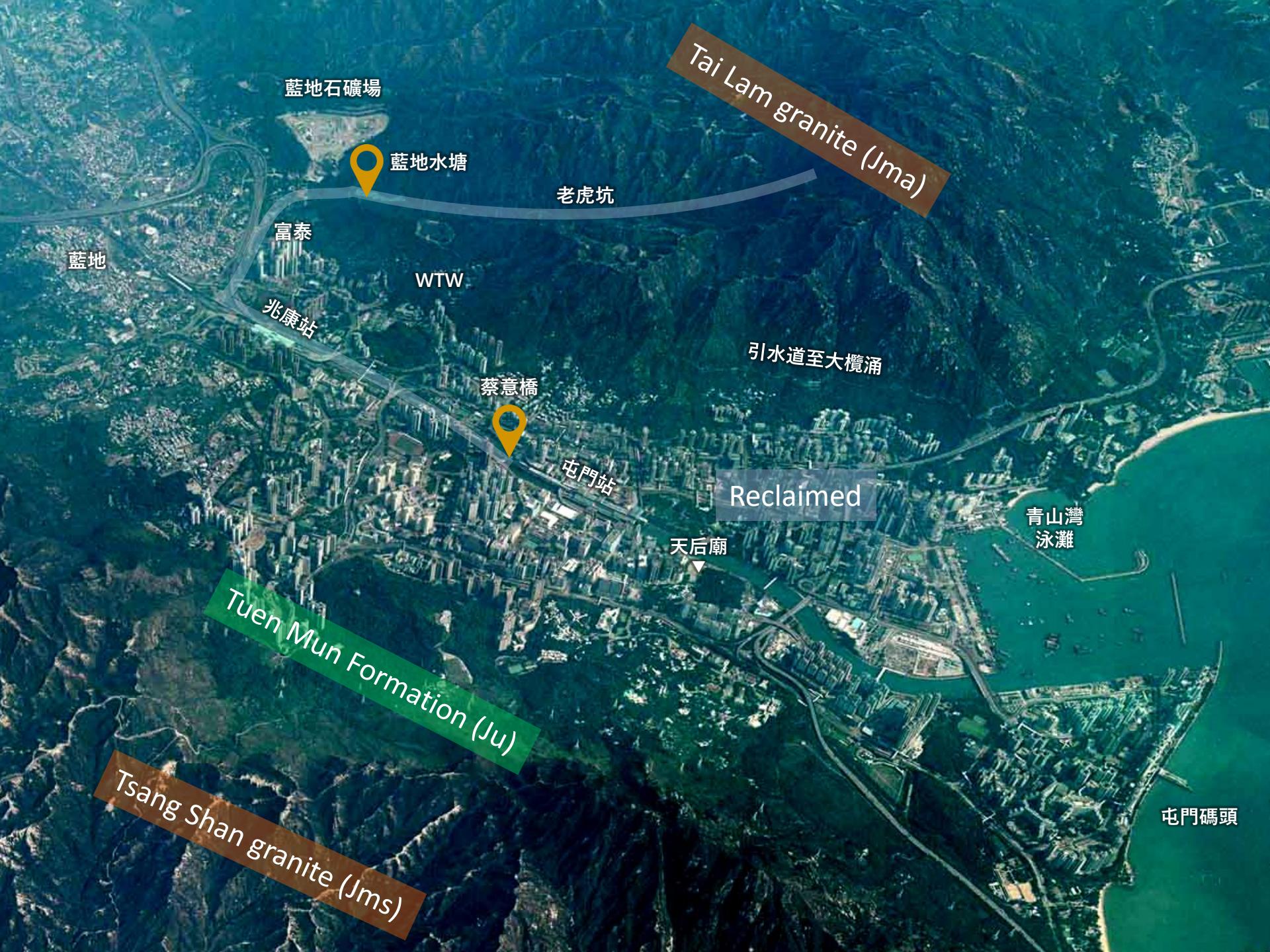




Tuen Mun River

15.3.73 Oblique aerial photo © Lands Dept. HKSAR





Colluvial 崩積

Hillslope coupling
Mass movement
Debris flow initiation & scour

Bedrock 基岩

Debris flow
Flash flood
Sediment transport

Alluvial 洪積

Sediment storage
Channel migration
River avulsion

Tuarine 河口

Tide
Wave
Alternating flow direction

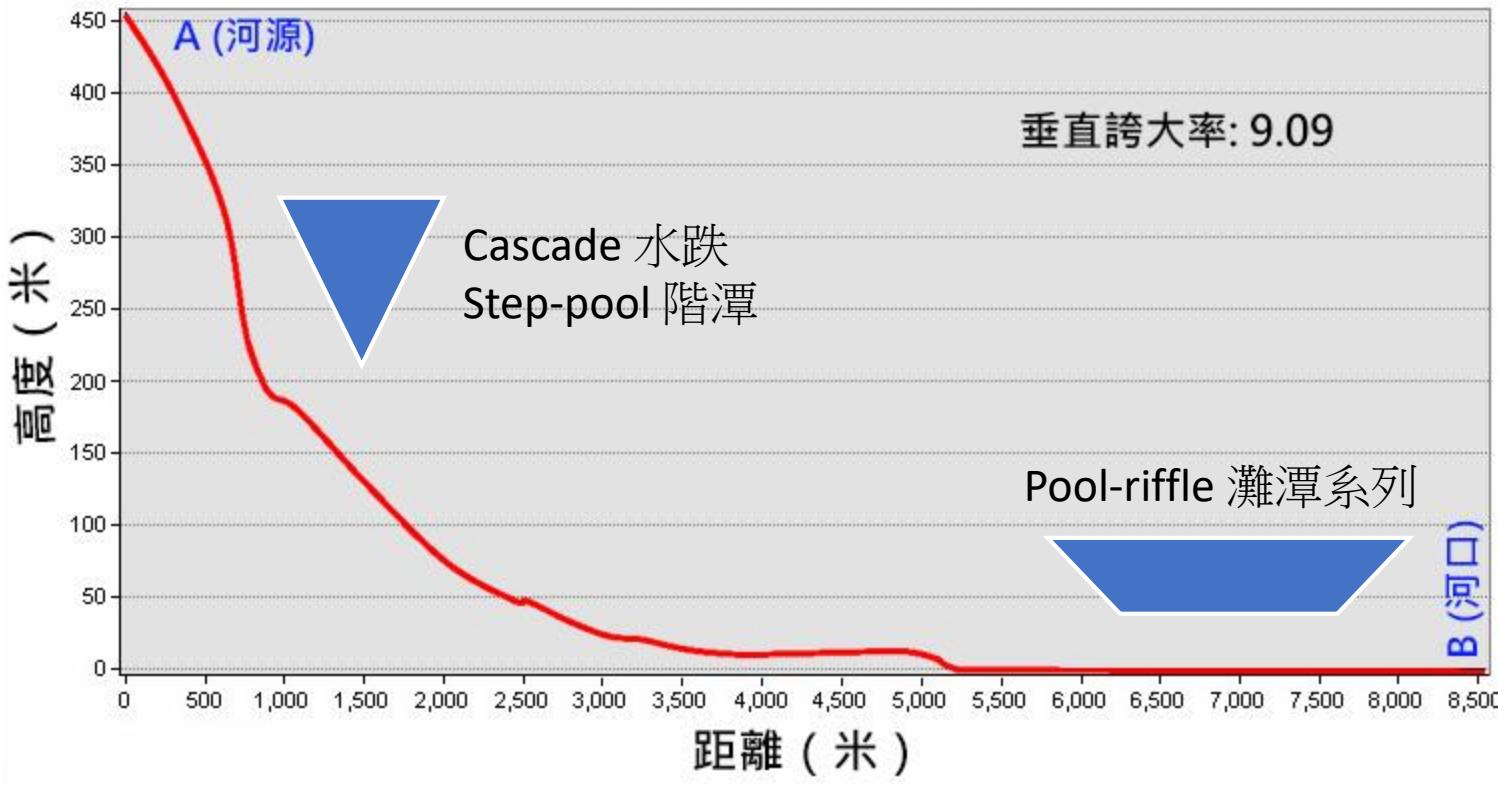


FIGURE 18.20 Stream networks transport water and sediments from their headwaters to the ocean.

Image source: Grotzinger & Thomas, 2014

Upland tors near Tuen Mun (CEDD, 1989)

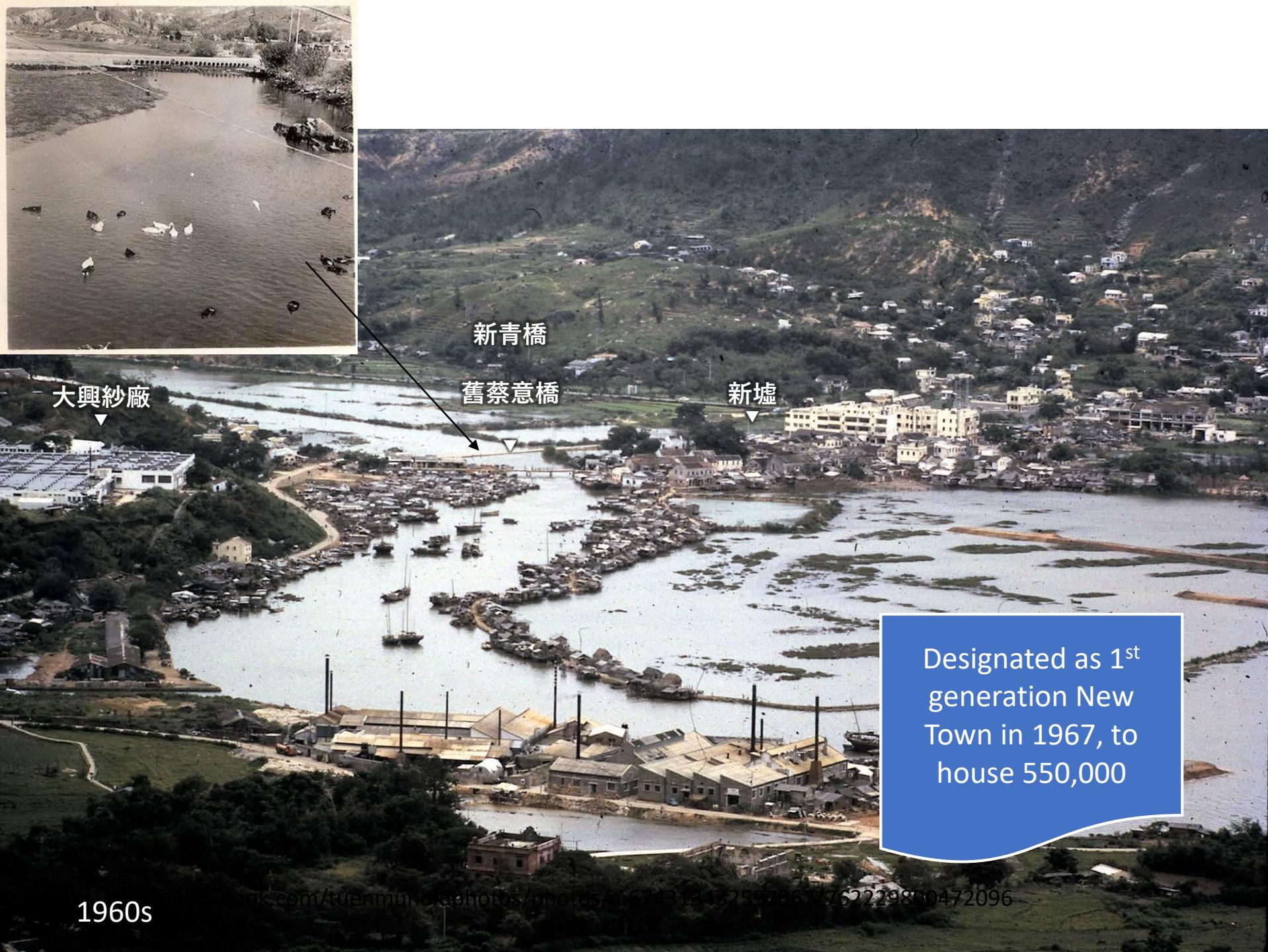


Tuen Mun prior to reclamation in the early 60s



26.3.63 Vertical aerial photo © Lands Dept. HKSAR





664

MAP 1044 162.53

24.11.76 Oblique aerial photo © Lands Dept. HKSAR

Photogrammetric Unit - C.L. & S.O. - P.W.D.

Tuen Mun Oblique 24.11.76 166

166

圓頭山

Tuen Mun New Town 1978

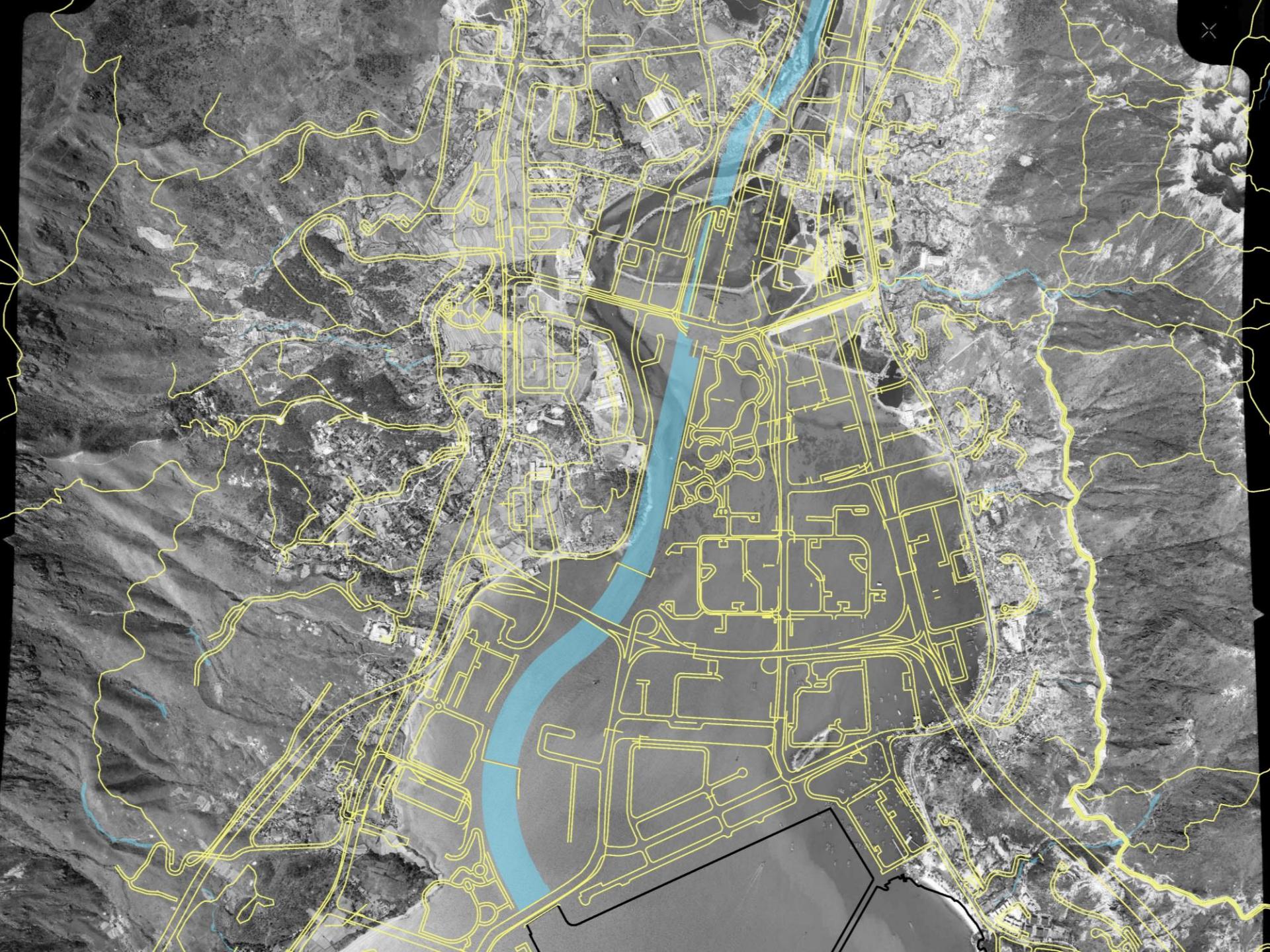
大興邨

屯門
工業區

杯渡路

屯門舊墟

(現)友愛邨

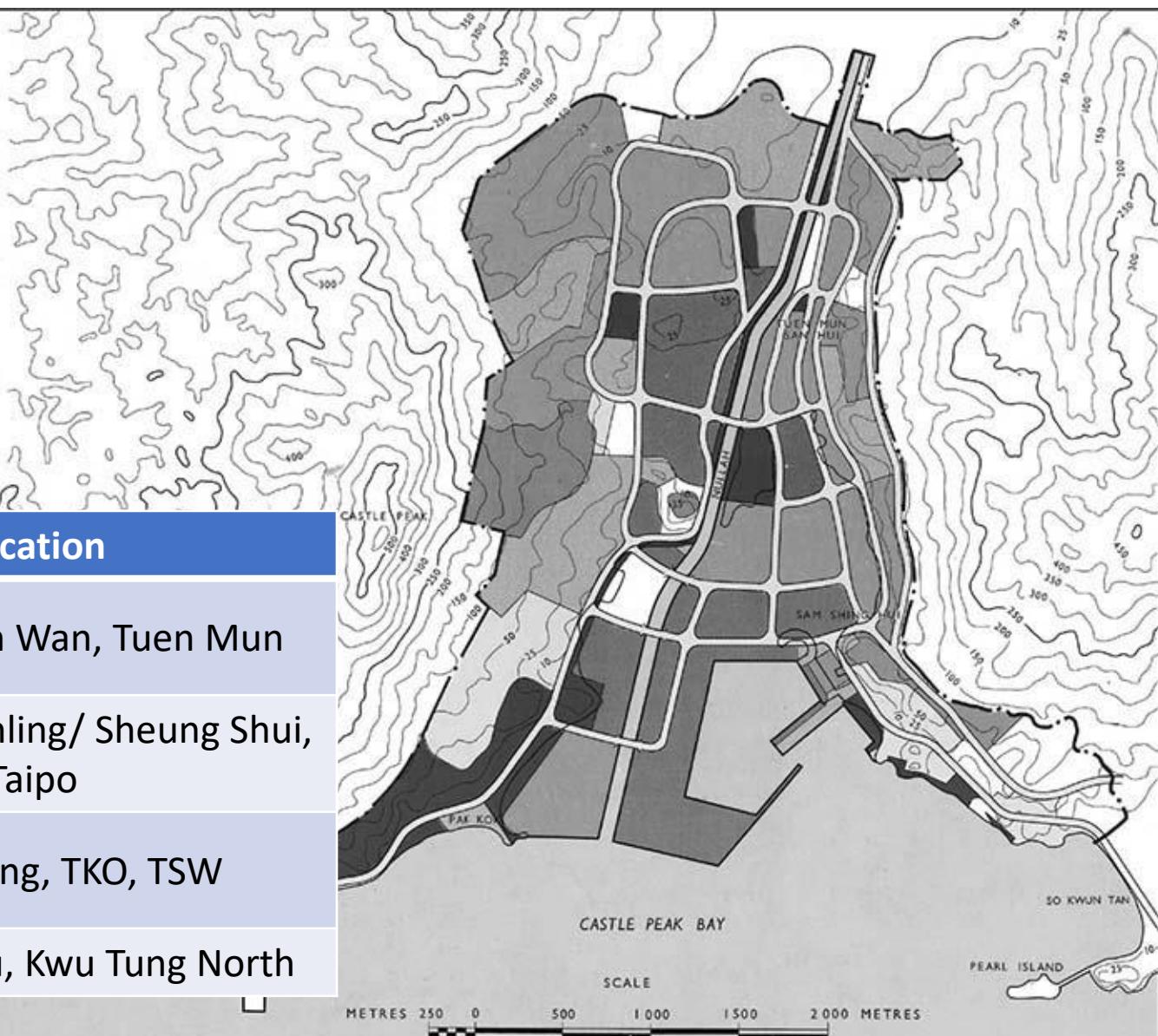


Map 4

LEGEND

- TOWN CENTRE
- HIGH DENSITY RESIDENTIAL ESTATES
- LOW DENSITY RESIDENTIAL ESTATES
- LIGHT INDUSTRY
- SPECIAL INDUSTRY
- COMMUNITY USE
- OPEN SPACE
- GREEN BELT
- UNDETERMINED / OTHER USES

| Gen. | Location |
|------------------------------|---|
| 1 st early 70s | Shatin, Tsuen Wan, Tuen Mun |
| 2 nd late 70s | Yuen Long, Fanling/ Sheung Shui, Taipo |
| 3 rd 80s-90s | Tung Chung, TKO, TSW |
| Next | Hong Shui Kiu, Kwu Tung North |



Source: Pui-yin Ho (2018)
Making Hong Kong; Fig. 4.8

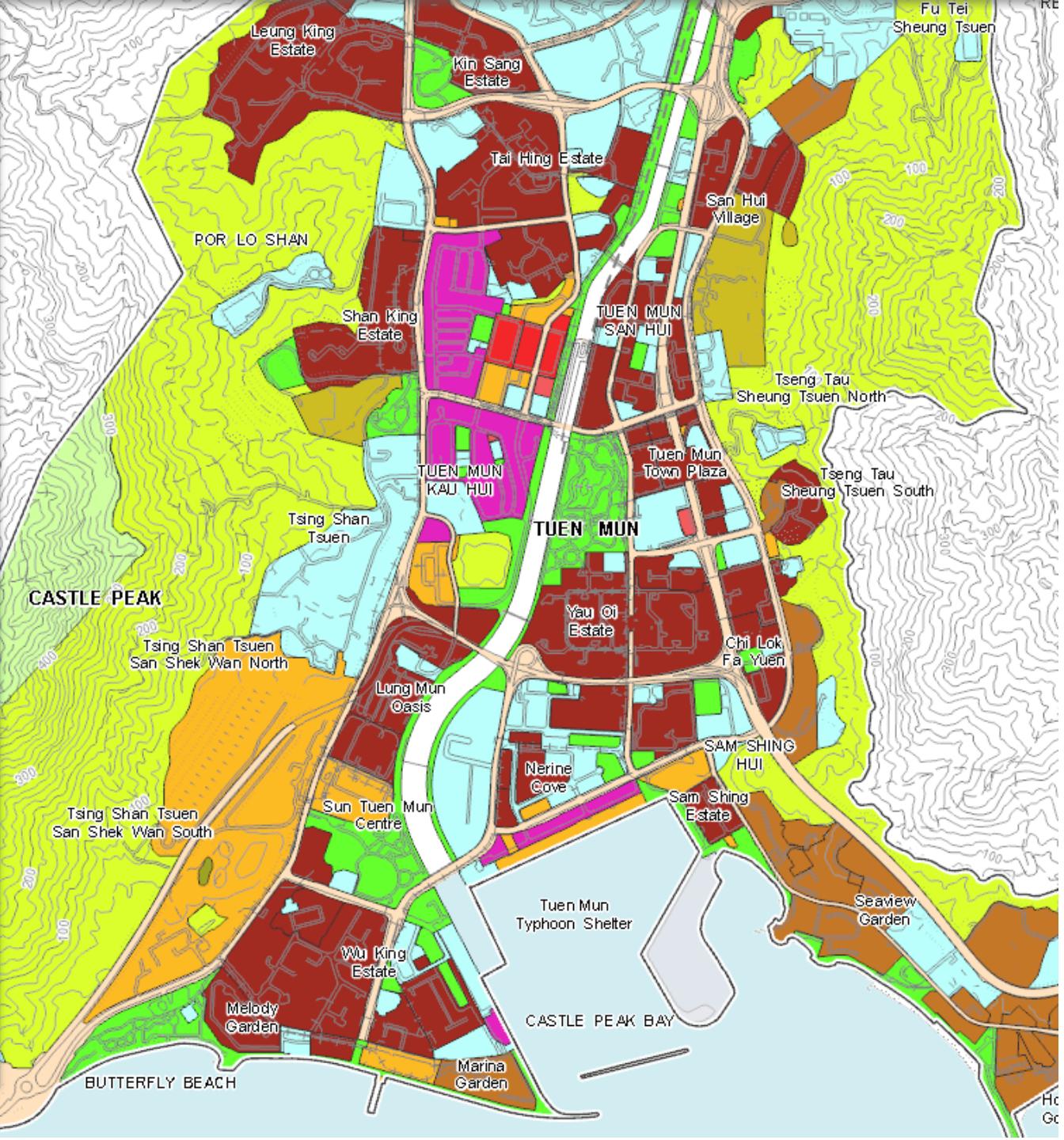
TUEN MUN NEW TOWN
GENERAL LAND USE

Map Legend

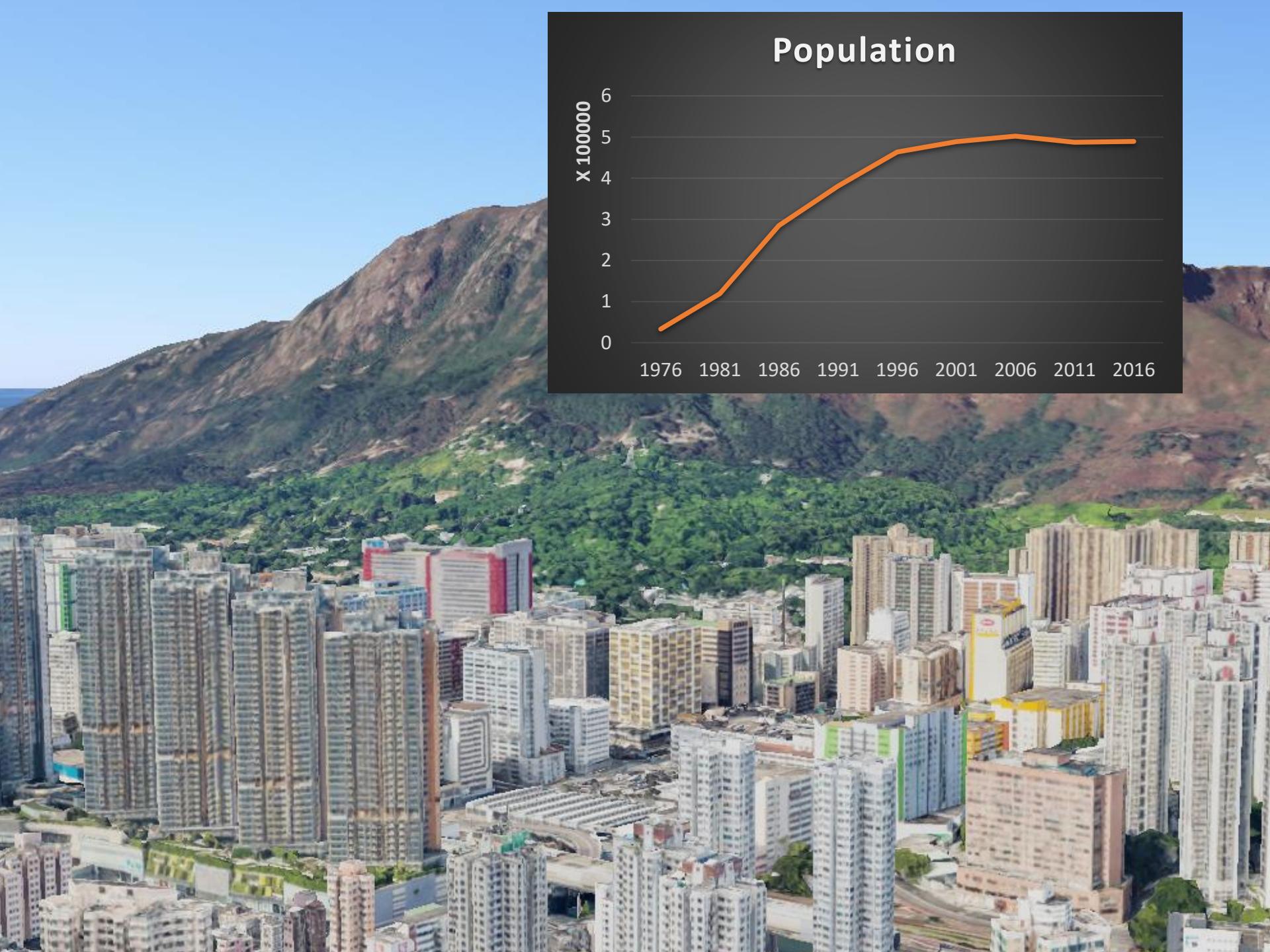
Statutory Plan

OZP Zoning

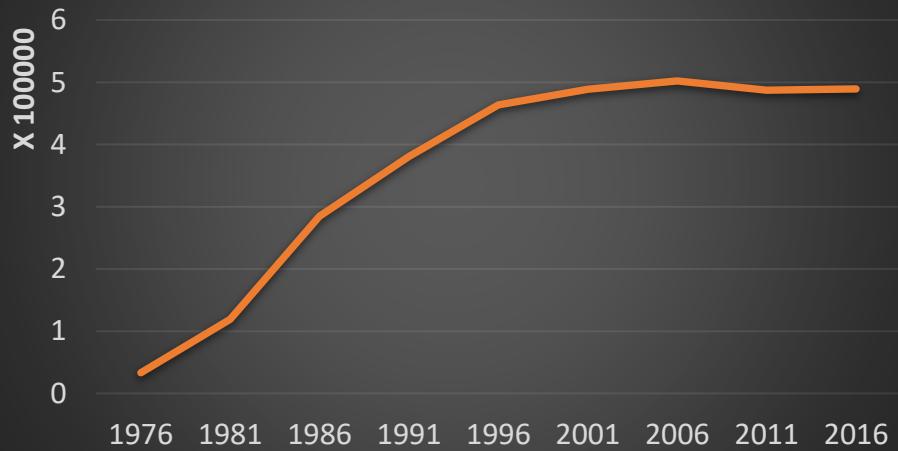
- U Undetermined
- I Industrial
- OU Other Specified Uses
- C Commercial
- CDA Comprehensive Development Area
- O Open Space
- REC Recreation
- V Village Type Development
- CA Conservation Area
- G/IC Government, Institution or Community
- R(C) Residential (Group C)
- SSSI Site of Special Scientific Interest
- GB Green Belt
- R(A) Residential (Group A)
- R(B) Residential (Group B)
- 5 Maximum Building Height (In Number of Storeys)
- ▲ Maximum Building Height Restriction Stipulated on the Notes
- 140 Maximum Building Height (In Metres Above Principal Datum)
- Planning Area Number

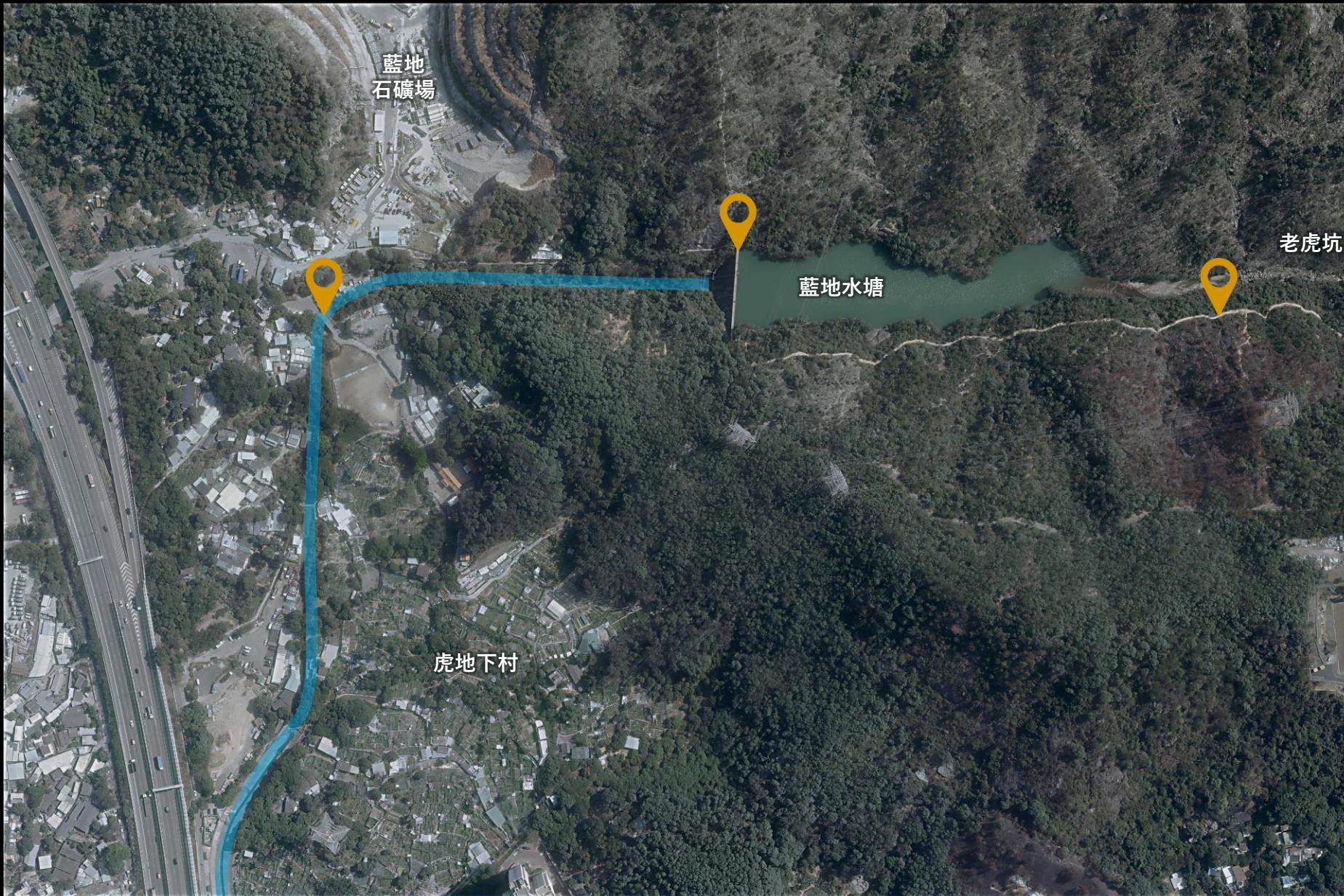


Source: ozp.tpb.gov.hk



Population





藍
地
灌
溉
水
塘



Source: www.imagejoy.com/article/560

Environmental Impacts of Dam & Reservoir



Environmental Impacts of Dam & Reservoir

Upstream

- ↓ flow velocity
- ↑ evaporation
- ↔ water temperature
- ↑ siltation
- ↓ dissolved oxygen
- ↓ substrate diversity

Dam

Downstream

- ↓ discharge
- ↓ flood risk, low magnitude
- ↓ water quality
- ↔ water temperature
- ↔ flow regime
- ↓ sediment/ nutrient

JC-WISE Rivers@HK Database

www.jcwise.hk/gis/



屯門河

屯門河位置及其流域 生態 文物古蹟 航拍影片 推介路線

[f](#) [t](#) [o](#)

屯門河位置及其流域

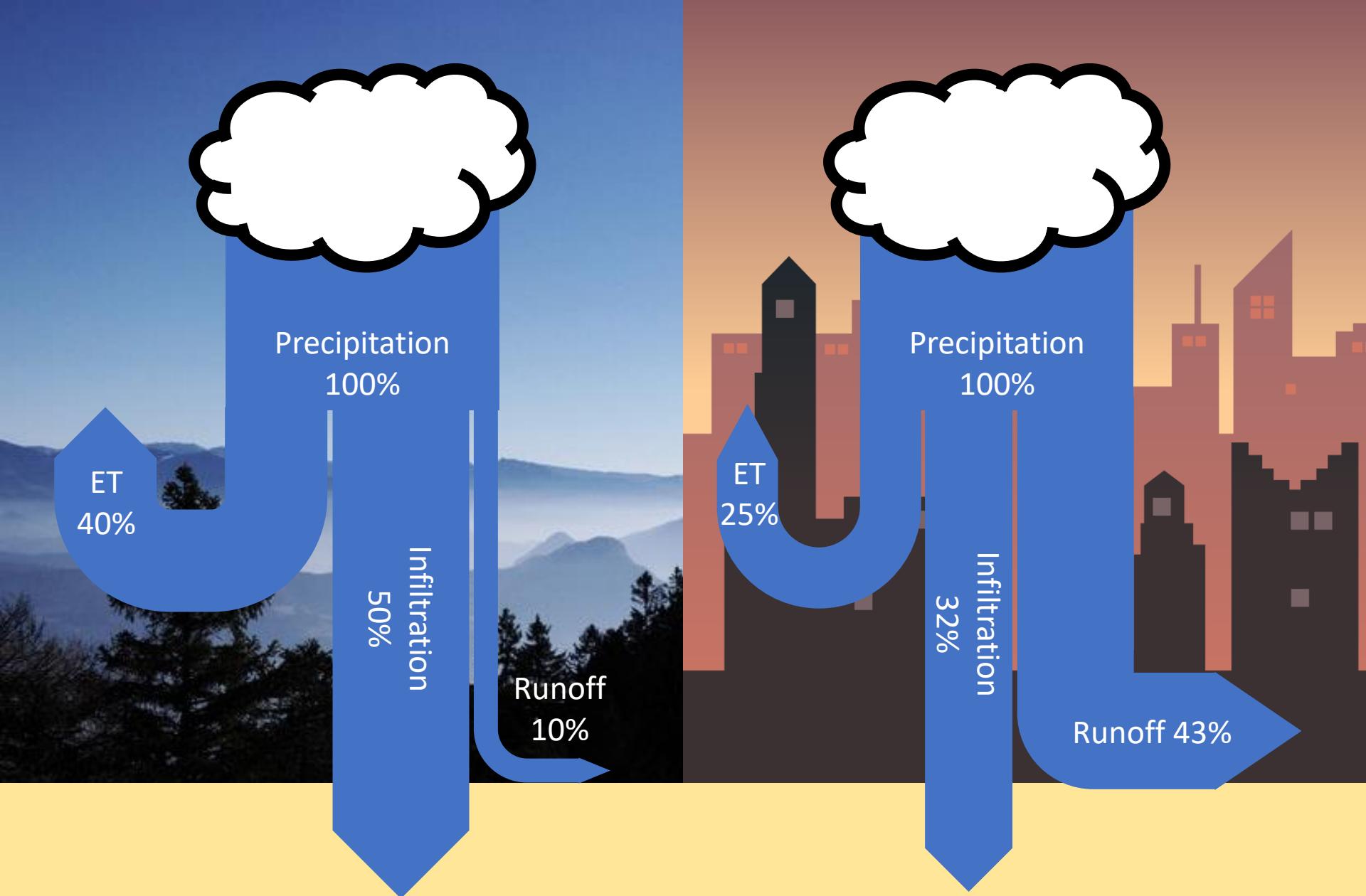
- 整體而言，屯門河幹流的坡度由源頭（A點）至河口（B點）逐漸降低。
- 由A點至距離A點約3.5公里的位置，幹流沿九逕山北坡奔流直下，此段河道的坡度十分陡峭，垂直落差達400米。
- 由距離A點約3.5公里至約5.2公里的位置，幹流流經虎地一帶的平原，河道坡度因而變得平緩。
- 屯門河於距離A點約5.2公里的位置進入屯門谷成為屯門河道，其後坡度變得相當平緩。

點擊地圖上的線條（橙色），檢視屯門河幹流的縱剖面。

河谷橫切面圖

- A至A'及A'至B的橫切面顯示了屯門谷西側至青山山脈上游的V形河谷。
- C至C'橫跨青山山脈至九逕山以北的山脊，右邊為屯門河幹流上游（老虎坑）的V形河谷，左邊則為屯門河下游兩岸的沖積平原，地勢十分平坦。
- D至D'橫跨青山至九逕山以北的山脊，右邊是屯門河幹流上游（老虎坑）的V形河谷，左邊則為青山灣填海工程得來的屯門河道及其兩岸的土地。

點擊地圖上的線條，以檢視河谷橫切面的圖表。



Urban Hydrology



02.02.63 Vertical aerial photo © Lands Dept. HKSAR