

# Boating Left High and Dry:

A feasibility study of publicly-accessible boat storage facilities in Hong Kong

水上運動正孤立無援：

一份關於在香港創建可供公眾使用的船隻存儲設施的可行性的調查

Chelsea Cook, Gregory  
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# Determine the feasibility of new publicly-accessible boat storage facilities

新型可供公眾使用的船只存儲設施的可行性

Demand

需求

Obstacles

障礙

Solutions

解決方案



With only **3,698** berths for **6,473** pleasure vessels and **2,500** sampans, where can you put your boat?



# Private Clubs are Full

私人俱樂部已滿負荷

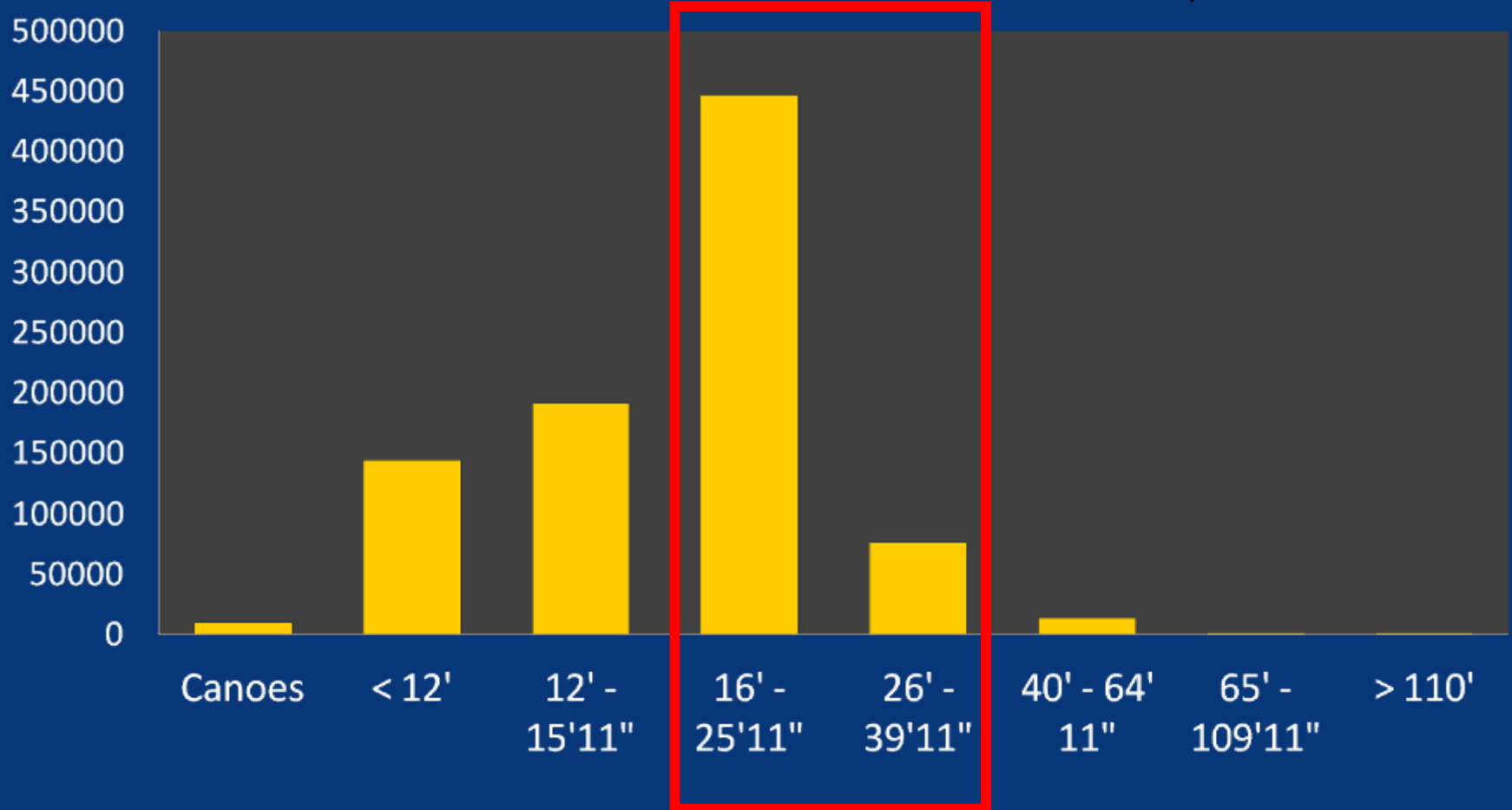
Boat Club / Marina Club	Capacity	Status
Aberdeen Boat Club <i>(including Aberdeen, Middle Island)</i>	~200 berths (16' – 65')	<b>Full</b>
Aberdeen Marina Club	170 wet berths (29' – 98') 157 dry berths (14' – 36')	<b>Full</b>
Clearwater Bay Golf & Country Club Marina	300 wet berths (up to 100') 120 dry berths	A few berths (<45') available
Discovery Bay Marina Club	220 berths (29' – 115')	<b>Full</b>
Club Marina Cove	~200 berths (19' – 90')	20 berths (<47') available
Gold Coast Yacht & Country Club	200 berths (up to 230')	6 berths (55' – 61') available
Hebe Haven Yacht Club	213 moorings (14' – 60') 53 berths (32' – 60') 200 hardstanding spaces	<b>Full</b>
Hong Kong Marina	233 berths (16' – 155')	<b>Full</b>
Royal Hong Kong Yacht Club <i>(including Causeway Bay, Shelter Cove, Middle Island, Aberdeen)</i>	~350 moorings (16' – 92') 46 pontoons (16' – 69')	<b>Full</b>
Tai Po Boat Club	~20 moorings ~30 dry berths (up to 19')	2 moorings (19' – 26') available



# Trends in recreational boating

娛樂性水上活動的趨勢

## Pleasure Vessels in Florida, USA

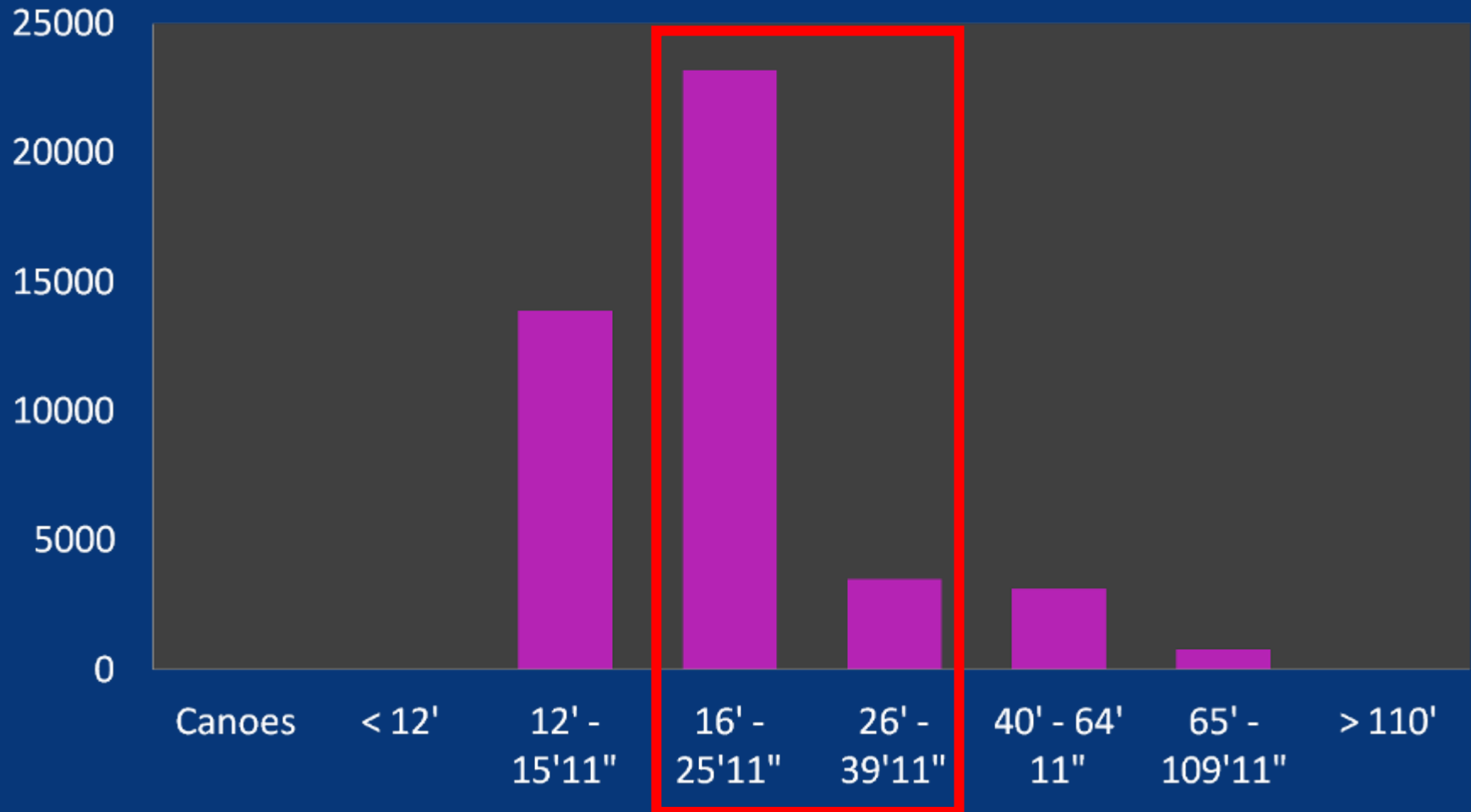




# Trends in recreational boating

娛樂性水上活動的趨勢

## Pleasure Vessels in Turkey

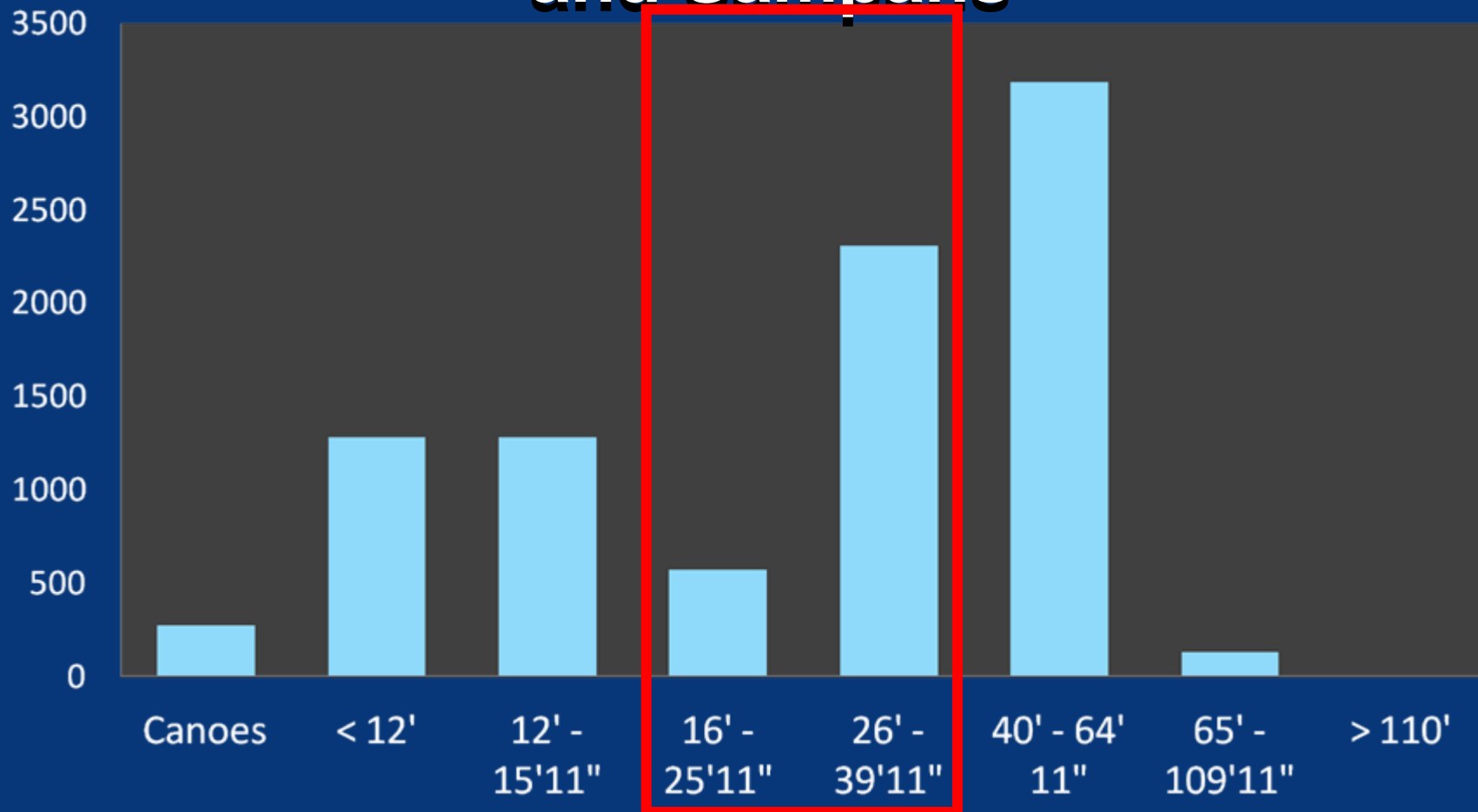




# Trends in recreational boating

娛樂性水上活動的趨勢

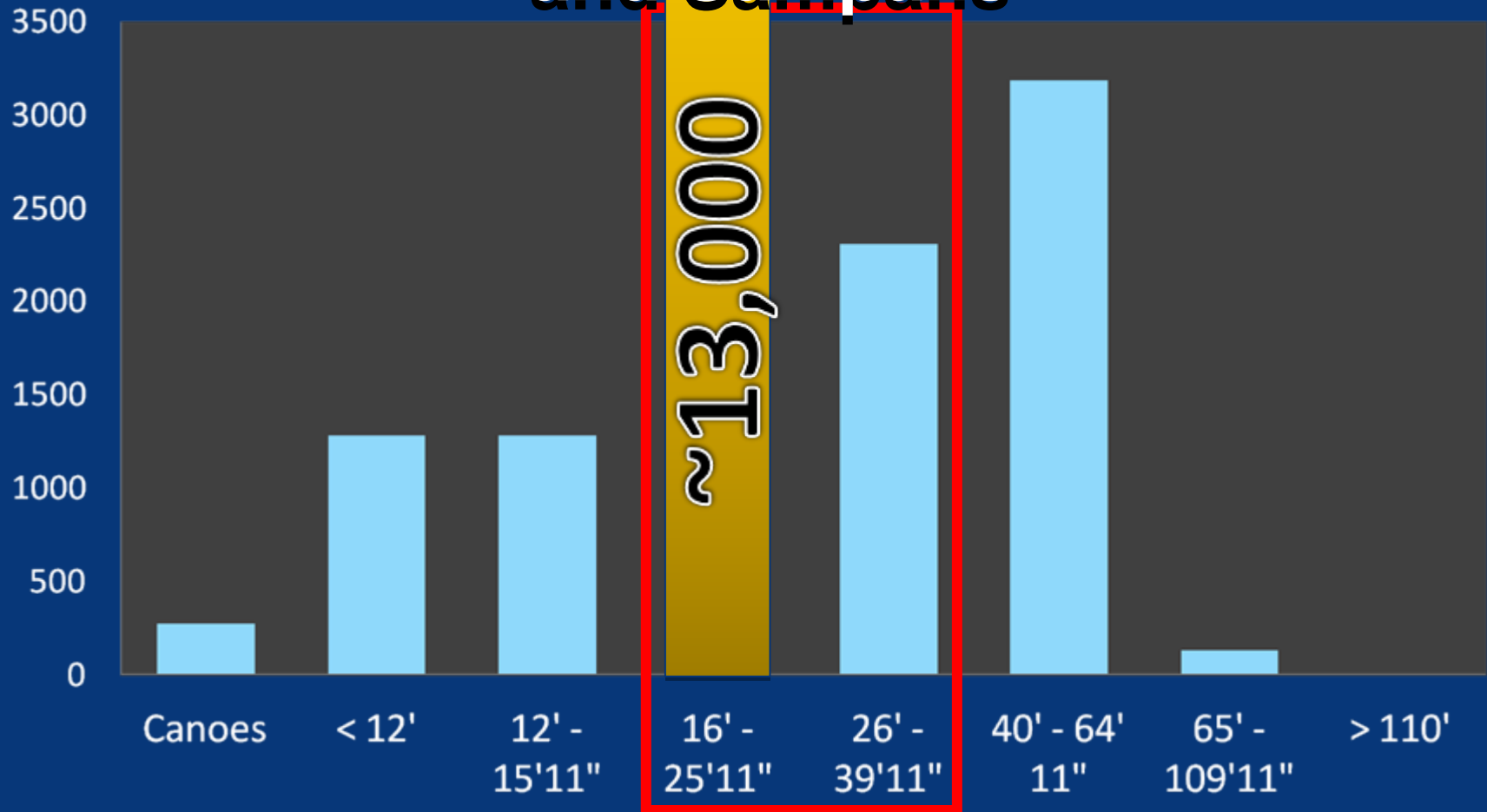
## Estimated Hong Kong Pleasure Vessels and Sampans



# Trends in recreational boating

娛樂性水上活動的趨勢

## Estimated Hong Kong Pleasure Vessels and Sampans





# Characterization of Boat Owners

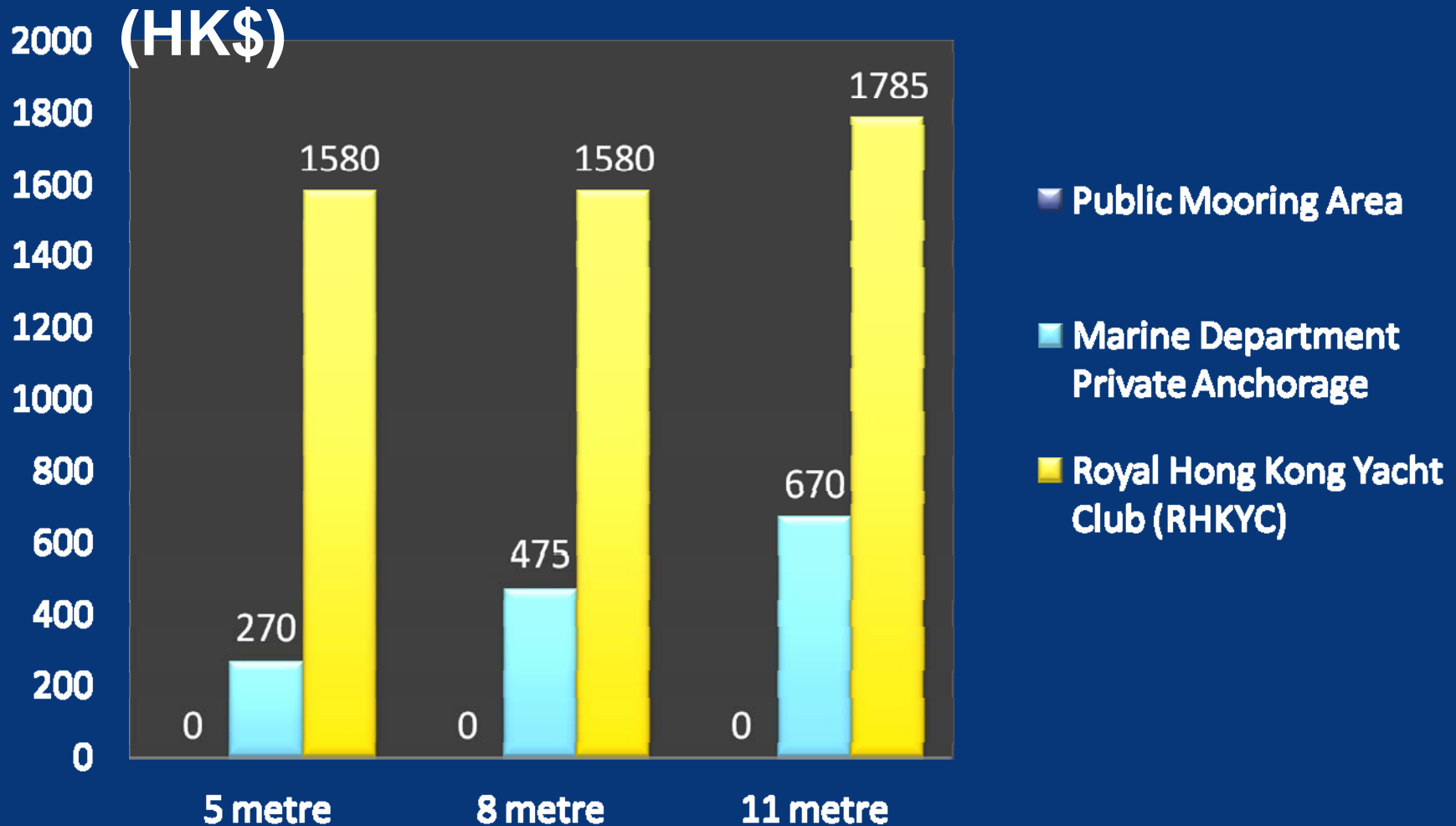
## 船主的分類

Group Name	Owners of Boats Moored Publicly/Informally	Owners of Boats not moored at private clubs	Owners of Boats moored at Private Clubs
Current Storage Solution	Public mooring areas, Informal mooring areas	Public mooring areas/Marine Department private moorings	Private boat clubs
Typical Boat Type	Sampan, dinghy	Speed boat, small junk boat	Sailing boat, motor yacht
Typical Boat Uses	Transport between shore and other boats, small-scale commercial fishing	Recreational fishing, diving, wakeboarding, boat rental	Recreation
Boat Length	5ft - 12ft	20ft – 35ft	26ft – 65ft
Current Monthly Berthing Fee	HK\$ 0	HK\$ 0 – HK\$ 670	>HK\$ 1210 (not include membership fee)

# The Service Gap

服務空白

## Monthly Mooring Fees for Causeway Bay (HK\$)



# Why isn't there more boat storage?

爲什麼沒有更多的船只存儲？

**No representation**  
沒有代表



**Scarce land**  
稀缺的土地

# Why isn't there more boat storage?

為什麼沒有更多的船只存儲？

## Environmental concerns

環境顧慮



Little sheltered water available

稀缺的防台風水域

**Costs and land/seabed needed for a facility of 200 berths of 35ft (assuming sheltered waters)**

200個35英尺泊位的設施的建造花費及用地大小（假設已存在防台風設施）

	<b>Cost per berth (HK\$)</b>	<b>Area per berth (m<sup>2</sup>)</b>	<b>Cost (HK\$)</b>	<b>Area (ha)</b>
<b>Swing</b>	~25,000	110 water	5 mil	2.27
<b>Fore-Aft</b>	~50,000	45.5 water	10 mil	0.91
<b>Pontoon</b>	~800,000	74.25 water	160 mil	1.48
<b>Dry rack*</b> * ~8m tall	~84,000	16.75 land	16.8 mil	0.67

# Three strategies for adding boat storage facilities

三個增加船只存儲的解決方案

Regularize  
existing  
informal  
moorings

整備現存的非正規  
的船只停泊處以及  
海灘存船

Allocate land  
and provide dry  
rack storage

~400

分派土地並提供陸  
地泊船

Allocate water  
areas for use by  
fore & aft

~1,750

分派水域並提供前  
後系泡停泊

# Regularizing Informal Anchorages

- Tsueng Kwan O
- Sha Tin New Fishermen's Village
- Stanley
- Wu Kai Sha/To Tau Wan



Wu Kai Sha

烏溪沙

Sha Tin New Fishermen's Village

沙田漁民新村

Tseung Kwan O

將軍澳

Stanley

赤柱

# Enhance existing moorings Sai Kung

- Large water Area
- Swing Moorings
  - Inefficient Boat Density
- ❖ Change swing moorings to fore and aft moorings or pontoons





# Kwun Tong

- Large water area close to large population
  - Undeveloped land under highway flyover
  - Breakwater already built
  - Built dry rack under flyover
    - ~200 berth two level facility
  - Fore and aft berths
    - ~350 berth
- 
- ❖ Manage cross traffic of promenade
  - ❖ Interface with water sports and shelter for commercial trade during typhoons



# Causeway Bay & Wan Chai

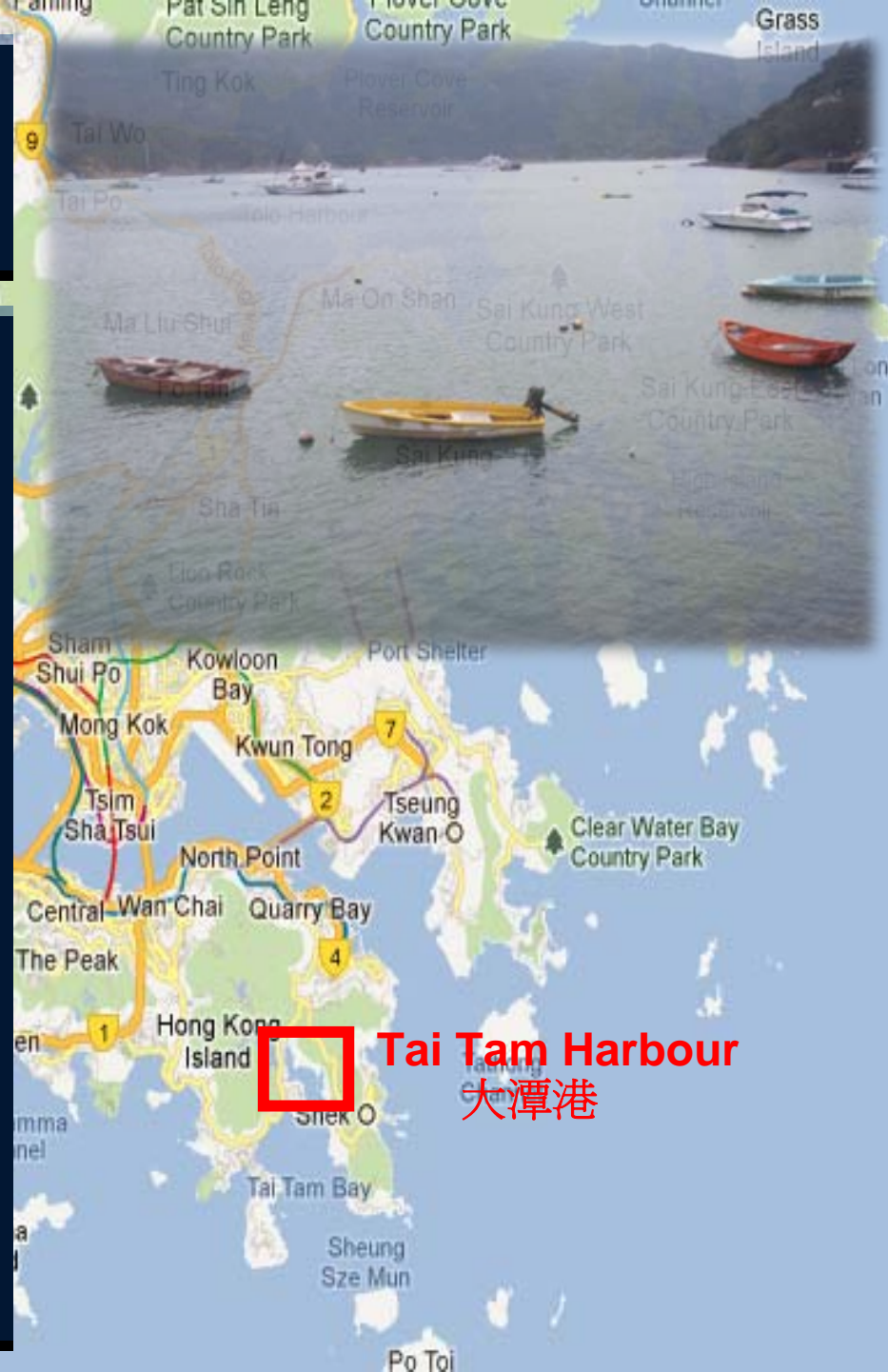
- Accessible by MTR
- Former Wan Chai Cargo-Handling Basin
- Breakwater already built
- Create fore and aft mooring
- Room for ~200 fore and aft berths

❖ Compatibility with construction of Wan Chai Bypass



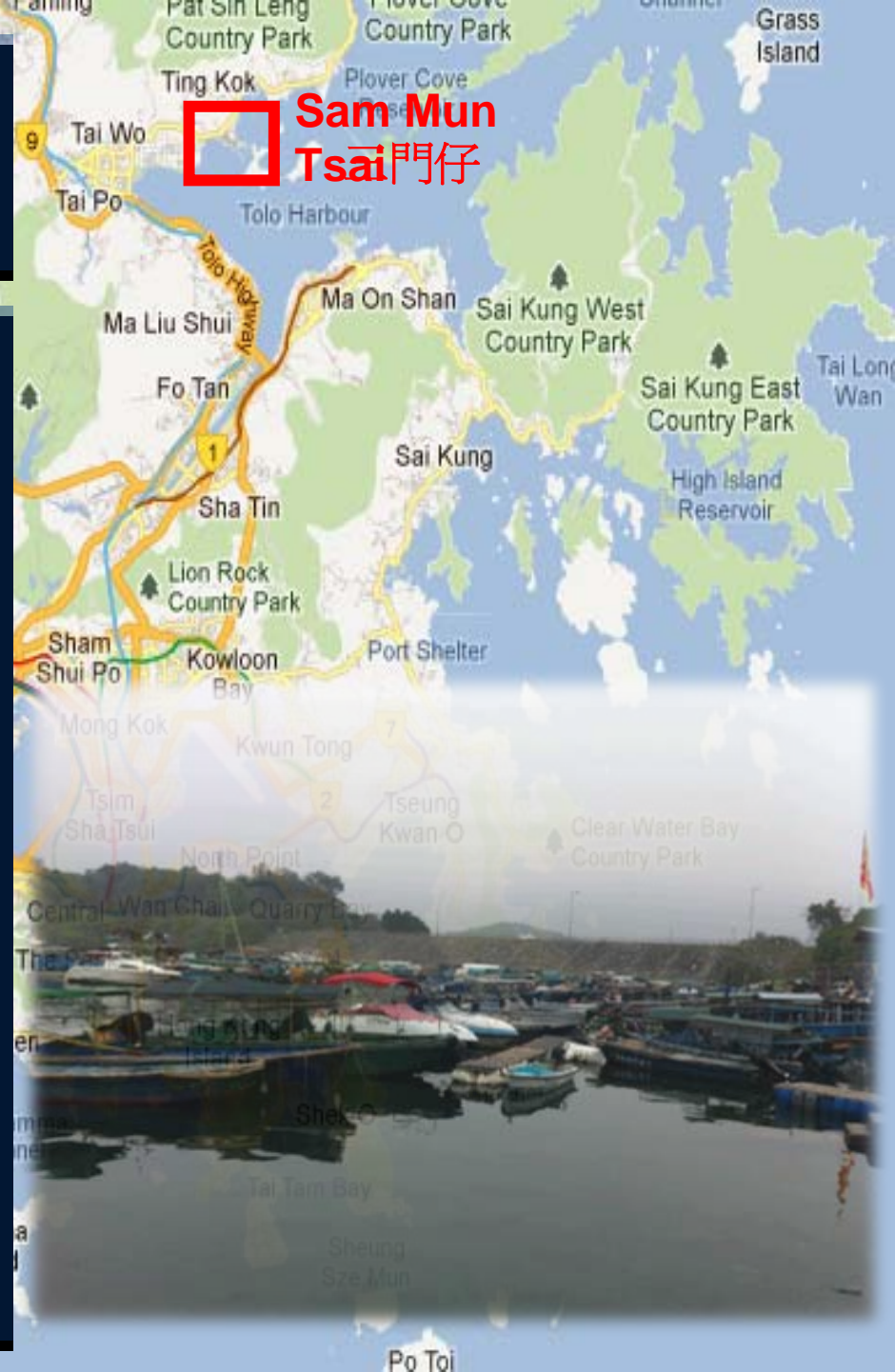
# Tai Tam Harbour

- Vacant land areas
- Large water area popular for water sports
- Pre-existing infrastructure
- Room for ~300 Fore and Aft berths
- ❖ Minimize environmental impact



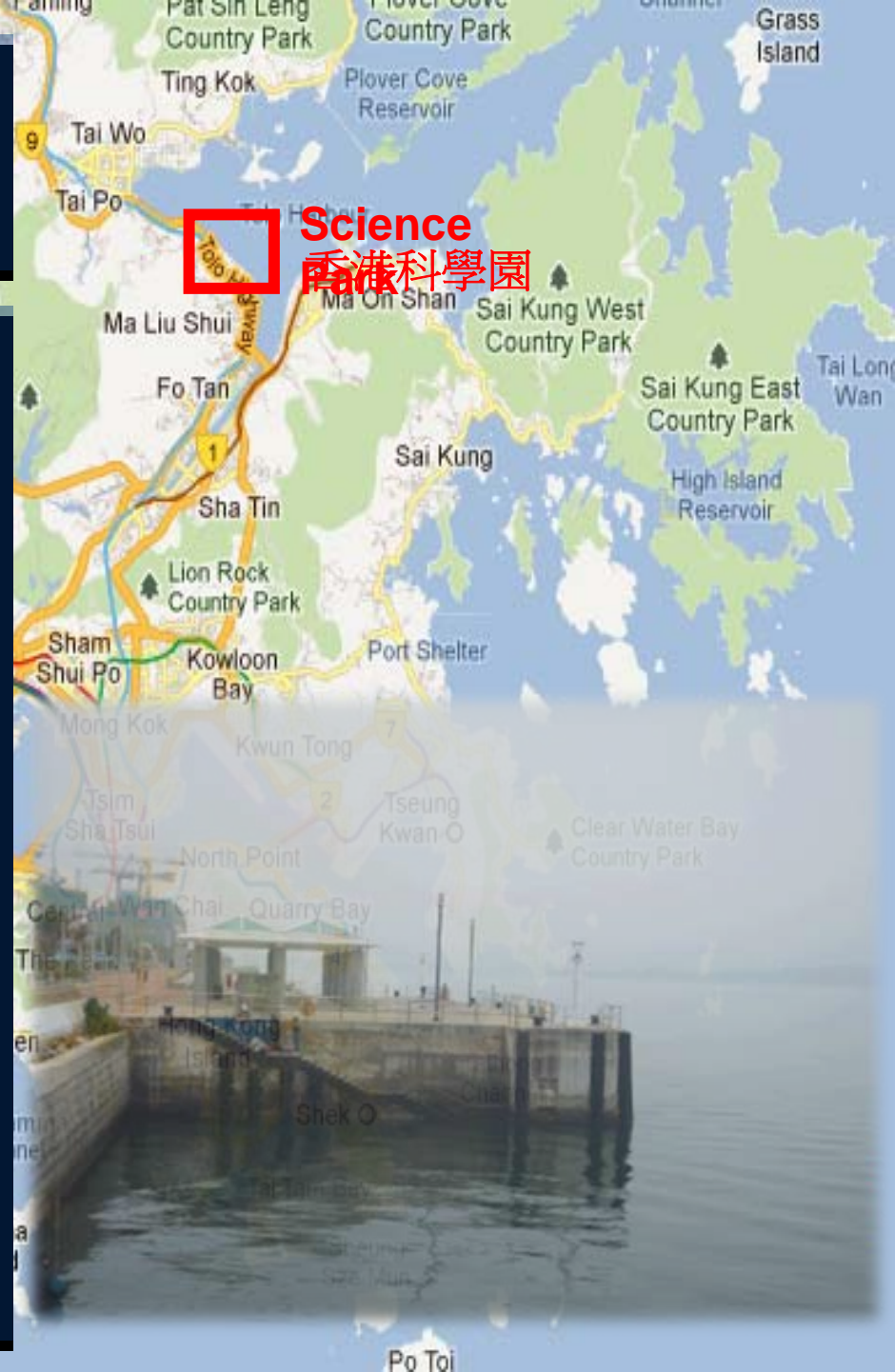
# Sam Mun Tsai

- Existing Breakwater
- Shelter only 1/3 used
- Room for ~200 additional fore and aft berths
- Village encourages tourism
- Creates employment for village
- ❖ Repair Facility



# Science Park

- Large land area available
- Reclaimed land with man-made seawall
- Little environmental impact
- Room for ~700 fore and aft berths
- Room for ~200 berth dry stack
- ❖ Construct breakwater
- ❖ Manage cross traffic of promenade
- ❖ Interface with other proposals for open space





➤ **Who provides the land?**

誰提供土地？

➤ **Who will pay for the breakwater?**

誰來建造防波堤？

➤ **Who will finance the hardware?**

誰來提供硬件設施？

➤ **Who will operate the facility?**

誰來運作設施？



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  - ❖ Michael Franco
  - ❖ Gerhard Kutt
  - ❖ Roger Nissim
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