

Field Work Exercise 1 – Test Booklet

Assignments

Task 1: Sustainability and liveability – Wangjing Huayuandongqu Community [12 marks]

1. Identify and annotate on a separate worksheet version of the map (Fig. 1) provided:
 - i. 6 features that affect the urban sustainability of the community in a positive or negative way and explain for each feature how it affects sustainability. [6m]
 - ii. 6 features that affect liveability in the community in a positive or negative way and explain for each feature how it affects liveability. [6m]

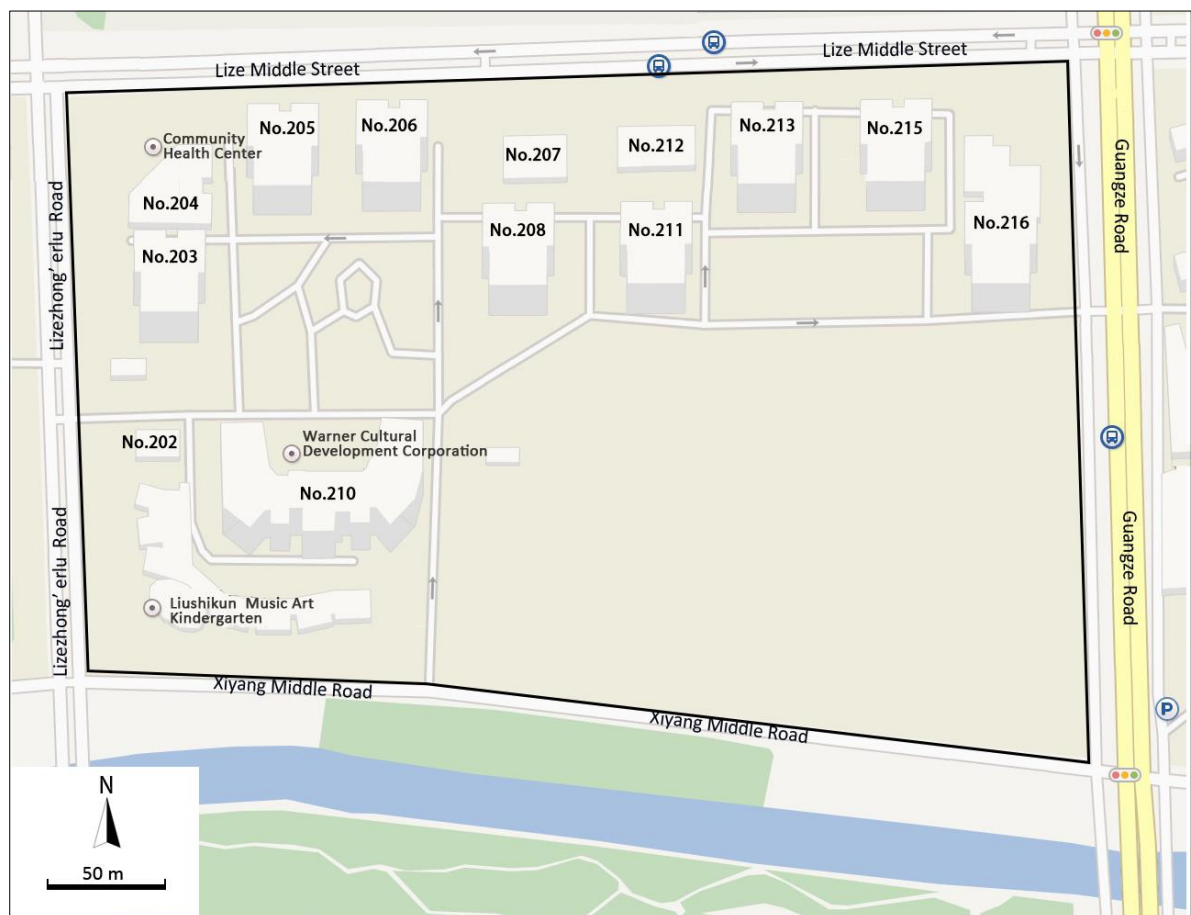


Figure1: Layout map of the Wangjing Huayuandongqu Community

Task 2: Water management – Beixiaohe River [9 marks]

2. Observe the river and annotate on a separate worksheet version of the map (Fig. 2) provided, notes about:

- i. its form and structure;
- ii. what functions it serves with respect to water management in this part of Beijing;
- iii. what functions it serves within the local community. [6m]



Figure 2: Layout map of a Section of the Beixiaohe River

3. Write brief observations of the water quality of the river in Table 1 below. [3m]

Table 1		
Indicator		Observations
Clarity		
Water Flow	Velocity	
	Depth	
	Obstacles	
Smell		
Aquatic organisms		

Task 3: Traffic junction and subway station [11 marks]

4. Observe the flow of traffic at the junction using the tally worksheet provided as a guide (Table 2).

- i. Based on your traffic count, what are the 3 main categories of users of the traffic junction? Provide evidence from Table 2 to support your answer. [2m]
- ii. Which groups of road users are prioritised in the design of this traffic junction? Why do you say so? Write your answer in the box at the bottom of Table 2. [3m]
- iii. Locate and annotate on a separate worksheet version of the map (Fig.3) provided, where bottlenecks in traffic flow are occurring / might occur and explain why they might occur there. [6m]

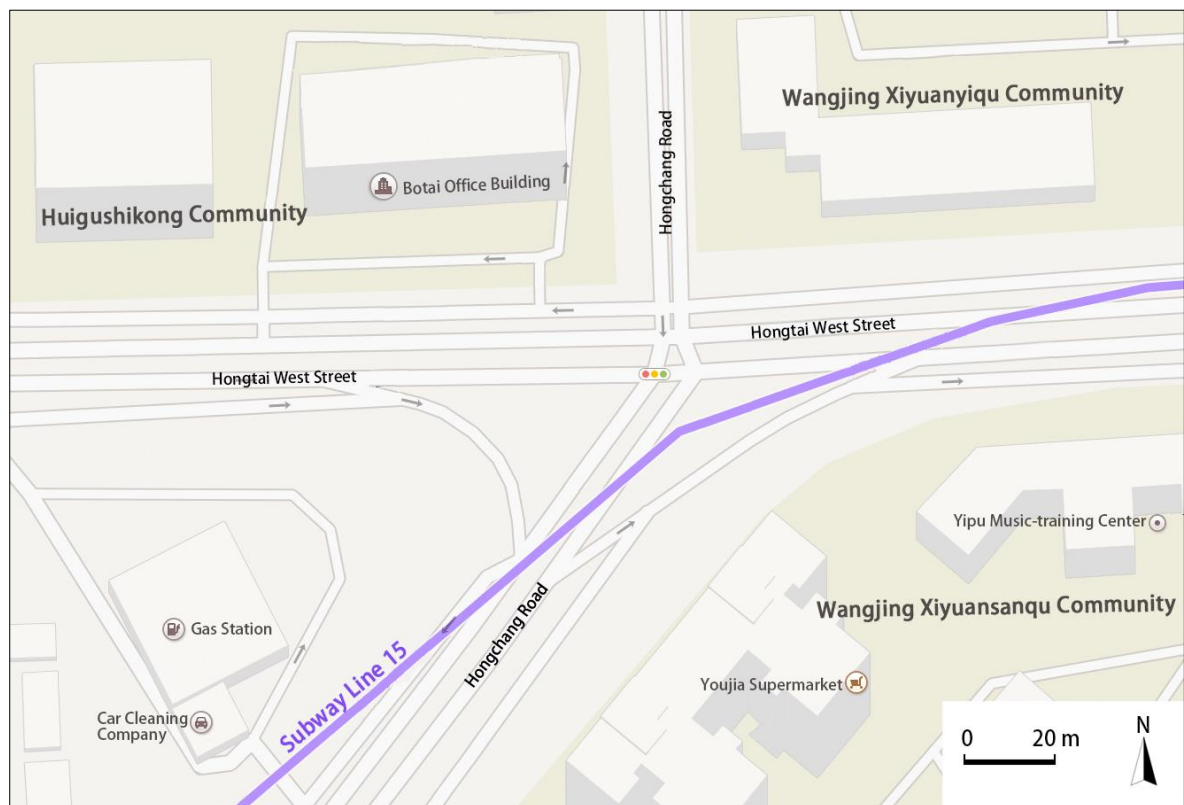


Figure 3: Lay-out map of the Hongchang Road - Hongtai West Street intersection

Table 2:

Type of traffic (vehicular/ pedestrian)	Numbers counted in a 5 minute period	Time	Other relevant observations
Buses			
Trucks			
Cars			
Motorcycles/ Scooters			
Bicycles			
Pedestrians			
Others			
Which groups of road users are prioritised in the design of this traffic junction? Why do you say so?			