



Trip Generation, Parking Demand and Vessel Movement Surveys of Marinas Data Report

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The Transport Planning Partnership

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Trip Generation, Parking Demand and Vessel Movement Surveys of Marinas

Data Report

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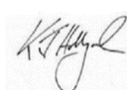
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1 Introduction

The Transport Planning Partnership (TPPP) has been commissioned by the Transport for NSW (TfNSW) to undertake a trip generation and parking analysis of marina sites across Sydney and Regional NSW.

The current Roads and Maritime Services (former Roads and Traffic Authority) rates for marinas have been in place since the 1992 edition of Roads and Maritime's Guide to Traffic Generating Developments. The rates set out in the 1992 Guide are based on the surveys undertaken in Pittwater in 1978 and Middle Harbour in 1990.

With the growth in the number and variety of marinas throughout Australia, it is deemed necessary to undertake a new study for marinas.

This study has been undertaken as part of Roads and Maritime's programme to update trip generation and parking generation studies for specific development types throughout NSW, which commenced in 2008.

This data report accompanies the analysis report and contains details of the selected marinas and the survey results.

2 Survey Site Details

A total of 12 marinas have been identified for the surveys. The list of selected sites is shown in Table 2.1. The details of the site are described in this Chapter

Table 2.1: Survey Site List

Site ID	Marinas	Metropolitan (M) or Regional (R)
MA01	Royal Motor Yacht Club, Broken Bay	M
MA02	Burraneer Bay Marina	M
MA03	D'Albora Marina Cabarita Point	M
MA04	Clontarf Marina	M
MA05	Royal Motor Yacht Club, Port Hacking	M
MA06	Double Bay Marina	M
MA07	Woolwich Marina	M
MA08	Sydney Superyacht Marina	M
MA09	Coffs Harbour Marina	R
MA10	Port Macquarie Marina	R
MA11	Soldiers Point Marina	R
MA12	Koolewong Marina	R

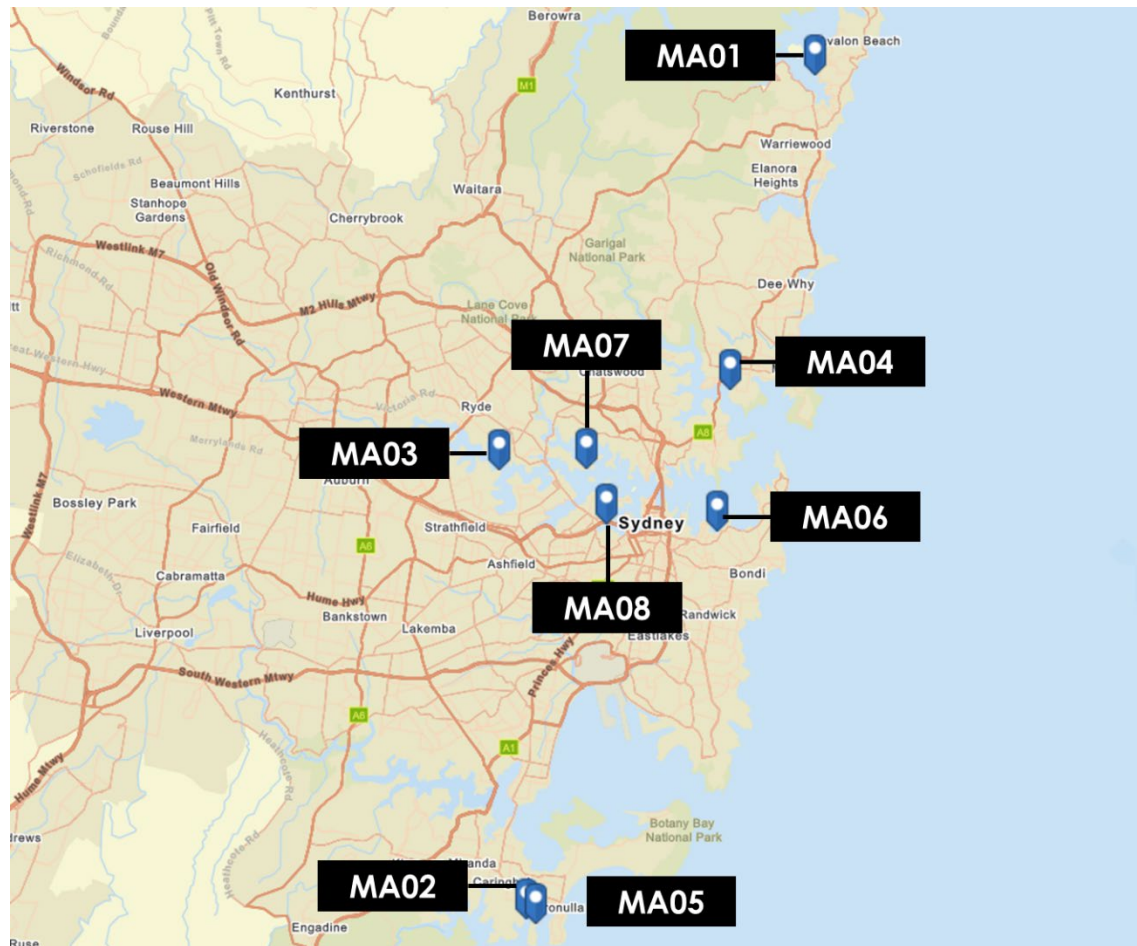
The selected sites include eight marinas in metropolitan Sydney and four regional sites. The identified sites conform with the TfNSW's requirements by providing a reasonable cross-section of marina sites, including the following variables:

- geographic location
- mooring/berth types
- size of marina
- public access or membership
- on-site parking provision
- provision of other facilities e.g. restaurant/café, vessel brokers, boat maintenance etc.

2.1 Site Locations

Site locations are also graphically presented in Figure 2.1 and Figure 2.2, for Sydney and Regional sites, respectively.

Figure 2.1: Site Locations (Sydney Sites)



Source: OpenStreetMap

Figure 2.2: Site Locations (Regional Sites)



Source: OpenStreetMap

2.2 Site Details

The survey data collated for each site included:

- site characteristics e.g. number of moorings/berths/hard stand, staff, on-site parking, additional facilities etc.
- vehicle trip generation
- pedestrian trip generation
- vessel trip generation
- visitor/staff travel behaviour

Information on site characteristics have been obtained from the marinas' websites, client supplied data, aerial imagery and site observations.

Specifically, all data has been obtained from the marinas' websites with the exception of the following:

- Site area: This has been measured based on the boundaries shown on aerial images. Measurement includes site extent on land and water.
- Staff number: Only one marina supplied its information on staff numbers (i.e. Port Macquarie Marina)
- Vessel capacity: The number of moorings/ berths/ hard stand that were obtained from marinas' websites and maximum counts observed from site survey have been compared. The higher of the two values has been used.

It is noted that some vessel counts observed on site exceeds the marinas' vessel capacities specified on the websites. It is acknowledged that there are no visual indicators on water to show the extent of the site boundary. As such, there could be cases wherein vessels berthed/moored outside the boundary were counted. In these cases, both the number of vessels counted on site and vessel capacity specified on the websites are presented on the following tables.

2.2.1 MA01 - Royal Motor Yacht Club of NSW, Point Piper

Royal Motor Yacht Club of NSW in Point Piper is located approximately 25km from Sydney's central business district (CBD). Access to the site is provided off Prince Alfred Parade.

Prince Alfred Parade is a two-way, two-lane road local road which is within a 50km/h speed limit area. Unrestricted on-street parking is permitted on both sides of the road.

The land use surrounding the site is residential.

Key site details are provided in Table 2.2. Figure 2.3 shows the site layout and access location.

Table 2.2: MA01-Site Details

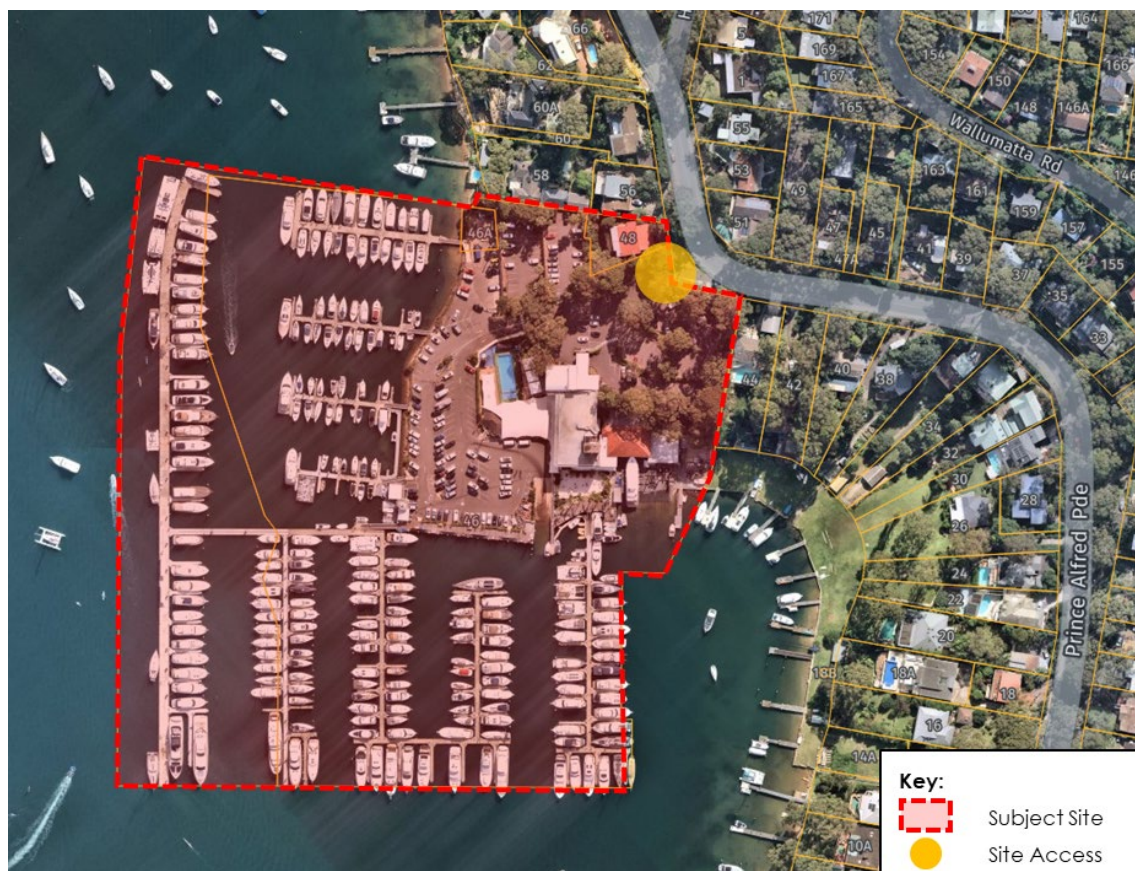
Site ID:	MA01
Name	Royal Motor Yacht Club, Broken Bay
Address	46 Prince Alfred Parade, Newport
Region	Metropolitan
Council	Northern Beaches
Survey Information:	
Date of survey	Fri, 21st February 2020 to Sun, 23rd February 2020
Duration of survey, weather	
- Friday	08:30-18:00 (9.5hrs), Cloudy

- Saturday	08:30-18:00 (9.5hrs), Rainy / Cloudy
- Sunday	08:30-18:00 (9.5hrs), Cloudy
Area Characteristics:	
Surrounding land use (eg commercial, retail, high/low density residential, open space, etc)	Residential
Nearby on-street parking regime (eg resident scheme; time restrictions; hourly cost etc)	Unrestricted
Principal adjacent road - AM peak period (Friday)	09:00 to 10:00
Principal adjacent road - PM peak period (Friday)	17:00 to 18:00
Principal adjacent road - daily peak period (Saturday)	16:00 to 17:00
Principal adjacent road - daily peak period (Sunday)	12:00 to 13:00
Site Details	
Year built	1928
Site area (m2)	67,500
Type of Marina (private or public)	Both
No. of Employees (total per day)	Data not available
No. of Employees (max on-site on a typical summer)	Data not available
Vessel Capacity:	
- Swing moorings*	77 (38 from website)
- Wet berths*	292 (256 from website)
- Hard stand / rack storage*	0 (not specified on website)
- TOTAL	369
Typical / maximum vessel lengths	all sizes
Other services available at the site	Kiosk/ Cafe/ Restaurant, Club rooms, Laundromat, Fuel, Sailing school, Slipway, Shipwright / Maintenance services, Swimming pool
Seating capacity in café / restaurant (if applicable)	Data not available
Approximate commercial vs recreation usage	Data not available
On-site parking:	
Total car parking spaces	286

Opening hours:	
Weekdays	8am-5:30pm (Friday 8am-7:30pm during summer)
Saturday	Summer: 7:30am-7:30pm Winter: 7:30am-5:30pm
Sunday	Summer: 7:30am-7:30pm Winter: 7:30am-5:30pm

* maximum vessel count observed on site

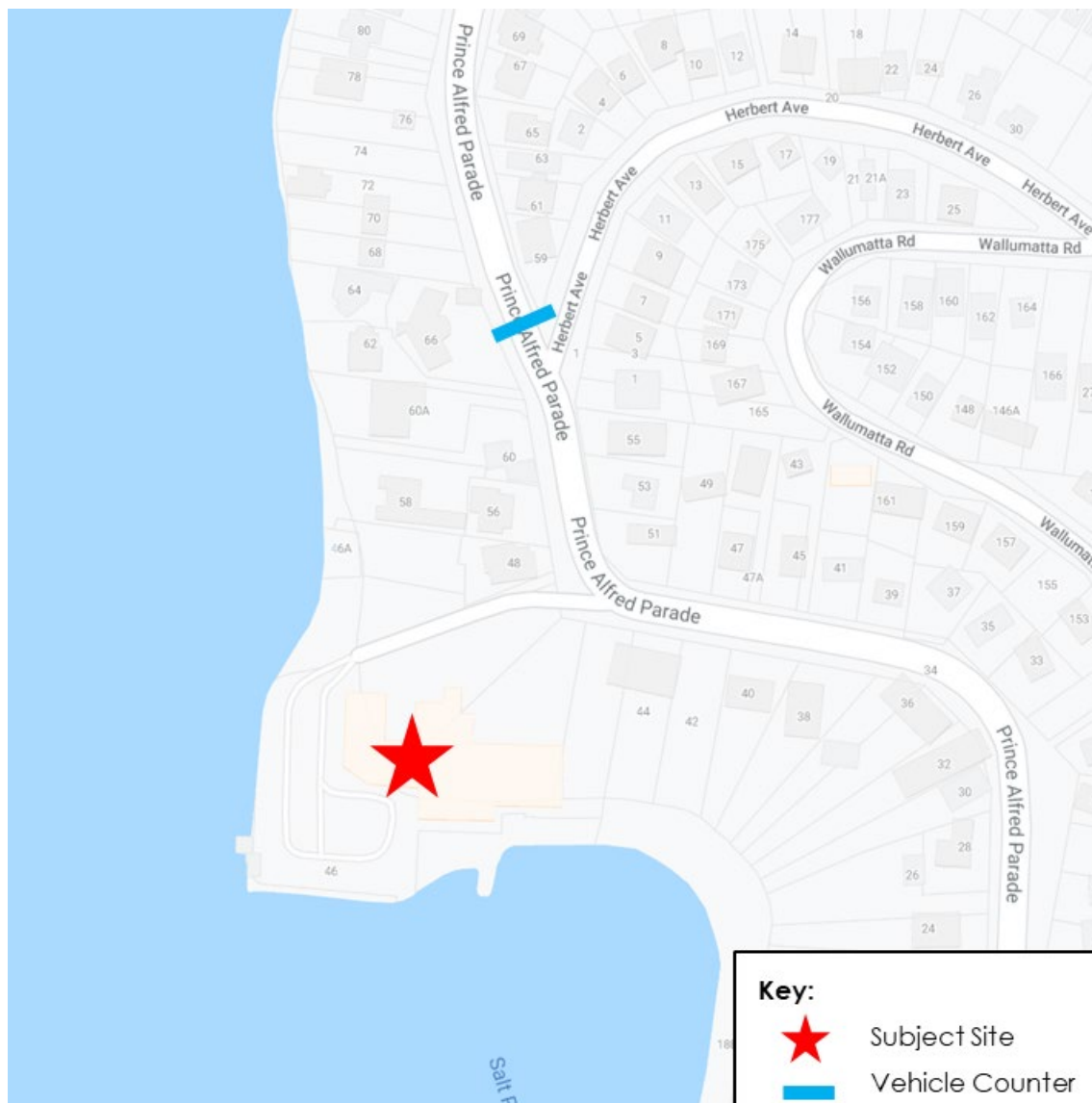
Figure 2.3: MA01 Site Layout



Base map source: Nearmap

The location of the vehicle counter station (i.e. tube counter) is shown in Figure 2.4.

Figure 2.4: MA01 Vehicle Counter Location



Base map source: Google Maps Australia

2.2.2 MA02 - Burraneer Bay Marina

Burraneer Bay Marina is located about 22km from Sydney CBD. The site can be accessed via a local access off Fernleigh Road. Land use surrounding the site is residential.

Fernleigh Road is a two-way, two-lane local road located west of the subject site. Within the immediate vicinity of the site, parking is not permitted along Fernleigh Road. Unrestricted kerbside parking is provided on the other surrounding local streets.

Key site details are provided in Table 2.3 with site layout shown in Figure 2.5.

Table 2.3: MA02-Site Details

Site ID:	MA02
Name	Burraneer Bay Marina
Address	48 Fernleigh Rd, Caringbah South
Region	Metropolitan
Council	Sutherland Shire
Survey Information:	
Date of survey	Fri, 7th February 2020 to Sun, 9th February 2020
Duration of survey, weather	
- Friday	08:00-16:00 (8hrs), Rainy
- Saturday	08:00-16:00 (8hrs), Rainy
- Sunday	08:00-16:00 (8hrs), Rainy
Area Characteristics:	
Surrounding land use (eg commercial, retail, high/low density residential, open space, etc)	Residential
Nearby on-street parking regime (eg resident scheme; time restrictions; hourly cost etc)	Unrestricted
Principal adjacent road - AM peak period (Friday)	08:00 to 09:00
Principal adjacent road - PM peak period (Friday)	08:00 to 09:00
Principal adjacent road - daily peak period (Saturday)	16:00 to 17:00
Principal adjacent road - daily peak period (Sunday)	12:00 to 13:00
Site Details	
Year built	Data not available
Site area (m ²)	14,260
Type of Marina (private or public)	Public
No. of Employees (total per day)	Data not available
No. of Employees (max on-site on a typical summer)	Data not available

Vessel Capacity:	
- Swing moorings*	149 (32 from website)
- Wet berths*	106 (100 from website)
- Hard stand / rack storage*	28 (not specified on website)
- TOTAL	283
Typical / maximum vessel lengths	berths: 18m moorings: 15m
Other services available at the site	Kiosk/ Cafe/ Restaurant, Fuel, Shipwright / Maintenance services
Seating capacity in café / restaurant (if applicable)	Data not available
Approximate commercial vs recreation usage	Data not available
On-site parking:	
Total car parking spaces	52
Opening hours:	
Weekdays	8am-5pm
Saturday	9am-4pm
Sunday	9am-4pm

* maximum vessel count observed on site

Figure 2.5: MA02 Site Layout



Base map source: Nearmap

The location of the vehicle counter station (i.e. tube counter) is shown in Figure 2.6.

Figure 2.6: MA02 Vehicle Counter Location



Base map source: Google Maps Australia

2.2.3 MA03 - D'Albora Marina Cabarita Point

D'Albora Marina Cabarita Point is located in southern Sydney and is approximately 9km from Sydney CBD. Cabarita Park is located immediately west of the site. Cabarita Wharf is located about 700m walking distance (10-minute walk) from the marina.

Access to the site is through Cabarita Park via Cabarita Road. Cabarita Road is a two-way, two-lane local road located west of the subject site.

Ticketed parking facility is available within Cabarita Park.

Key site details are provided in Table 2.4. Figure 2.3 shows the site layout and access location.

Table 2.4: MA03-Site Details

Site ID:	MA03
Name	D'Albora Marina Cabarita Point
Address	138 Cabarita Rd, Cabarita
Region	Metropolitan
Council	Canada Bay
Survey Information:	
Date of survey	Fri, 17th Jan 2020 to Sun, 19th Jan 2020
Duration of survey, weather	
- Friday	08:30-17:00 (8.5hrs), Rainy
- Saturday	08:30-17:00 (8.5hrs), Rainy
- Sunday	08:30-17:00 (8.5hrs), Cloudy
Area Characteristics:	
Surrounding land use (eg commercial, retail, high/low density residential, open space, etc)	Open space
Nearby on-street parking regime (eg resident scheme; time restrictions; hourly cost etc)	Ticketed parking
Principal adjacent road - AM peak period (Friday)	08:00 to 09:00
Principal adjacent road - PM peak period (Friday)	18:00 to 19:00
Principal adjacent road - daily peak period (Saturday)	12:00 to 13:00
Principal adjacent road - daily peak period (Sunday)	12:00 to 13:00
Site Details	
Year built	Data not available
Site area (m ²)	12,630
Type of Marina (private or public)	Private
No. of Employees (total per day)	Data not available
No. of Employees (max on-site on a typical summer)	Data not available
Vessel Capacity:	
- Swing moorings*	21 (0 from website)
- Wet berths*	115 (91 from website)

- Hard stand / rack storage	0
- TOTAL	136
Typical / maximum vessel lengths	47m
Other services available at the site	Kiosk/ Cafe/ Restaurant, Club rooms, Laundromat, Sailing school
Seating capacity in café / restaurant (if applicable)	Data not available
Approximate commercial vs recreation usage	Data not available
On-site parking:	
Total car parking spaces	39
Opening hours:	
Weekdays	8:30am-5pm
Saturday	8:30am-5pm
Sunday	8:30am-5pm

* maximum vessel count observed on site

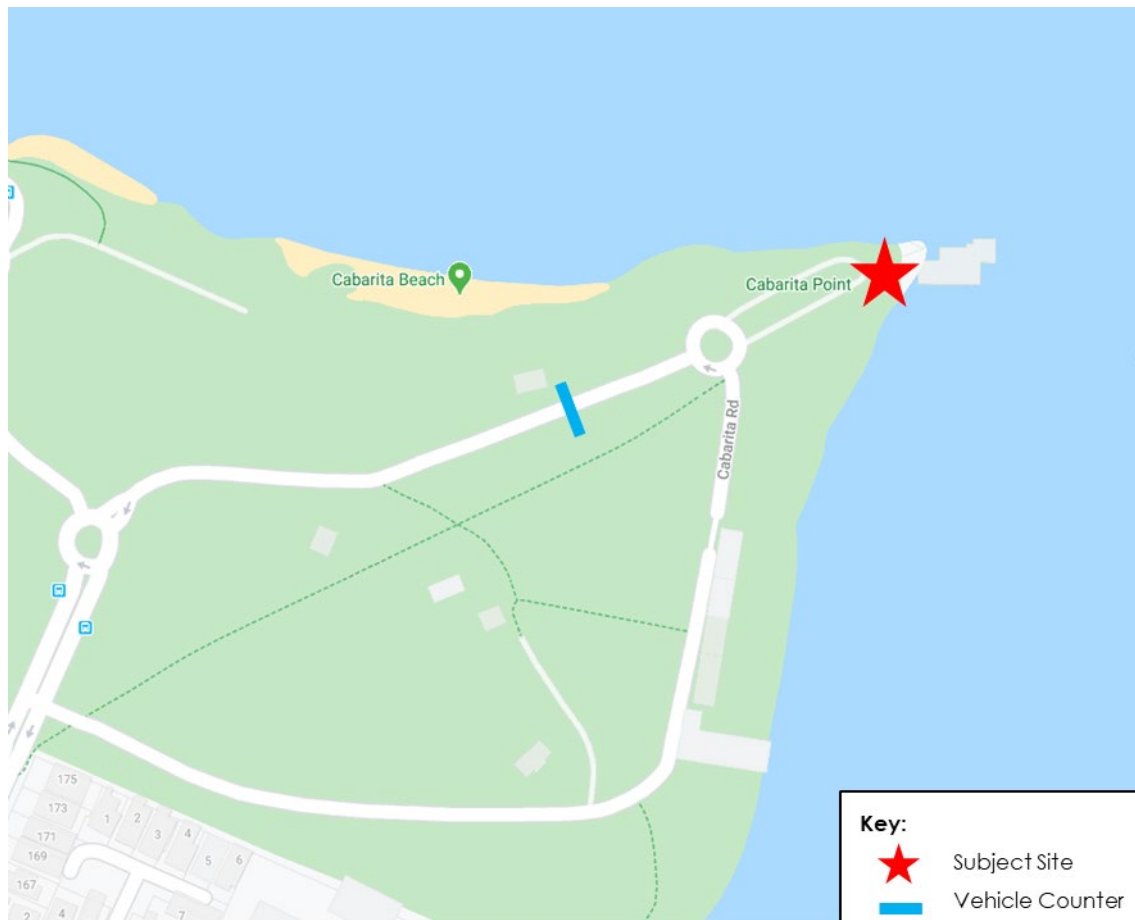
Figure 2.7: MA03 Site Layout



Base map source: Nearmap

The location of the vehicle counter station (i.e. tube counter) is shown in Figure 2.8.

Figure 2.8: MA03 Vehicle Counter Location



Base map source: Google Maps Australia

2.2.4 MA04 - Clontarf Marina

Clontarf Marina is located in Sydney's northern suburbs and is approximately 8km from Sydney's central business district (CBD). The site is located about 400m walking distance (five-minute walk) from Clontarf Marina.

The site is surrounded by residential dwellings. Sandy Bay Road is a local road which provides main access to the site.

Ticketed on-street parking is present along Sandy Bay Road.

Key site details are provided in Table 2.5. Figure 2.9 shows the site layout and access location.

Table 2.5: MA04-Site Details

Site ID:	MA04
Name	Clontarf Marina
Address	1 Sandy Bay Rd, Clontarf
Region	Metropolitan
Council	Northern Beaches
Survey Information:	
Date of survey	Fri, 17th Jan 2020 to Sun, 19th Jan 2020
Duration of survey, weather	
- Friday	08:00-17:00 (9hrs), Rainy
- Saturday	08:00-17:00 (9hrs), Rainy / Cloudy
- Sunday	08:00-17:00 (9hrs), Cloudy
Area Characteristics:	
Surrounding land use (eg commercial, retail, high/low density residential, open space, etc)	Residential
Nearby on-street parking regime (eg resident scheme; time restrictions; hourly cost etc)	Ticketed parking
Principal adjacent road - AM peak period (Friday)	11:00 to 12:00
Principal adjacent road - PM peak period (Friday)	14:00 to 15:00
Principal adjacent road - daily peak period (Saturday)	10:00 to 11:00
Principal adjacent road - daily peak period (Sunday)	10:00 to 11:00
Site Details	
Year built	Data not available
Site area (m ²)	7,958
Type of Marina (private or public)	Public
No. of Employees (total per day)	Data not available
No. of Employees (max on-site on a typical summer)	Data not available

Vessel Capacity:	
- Swing moorings*	20 (18 from website)
- Wet berths	64
- Hard stand / rack storage*	2 (not specified on website)
- TOTAL	86
Typical / maximum vessel lengths	18m
Other services available at the site	Kiosk/ Cafe/ Restaurant, Vessel sales & hire, Slipway, Shipwright / Maintenance services
Seating capacity in café / restaurant (if applicable)	Data not available
Approximate commercial vs recreation usage	Data not available
On-site parking:	
Total car parking spaces	0
Opening hours:	
Weekdays	8am-4pm
Saturday	8am-5pm
Sunday	8am-5pm

* maximum vessel count observed on site

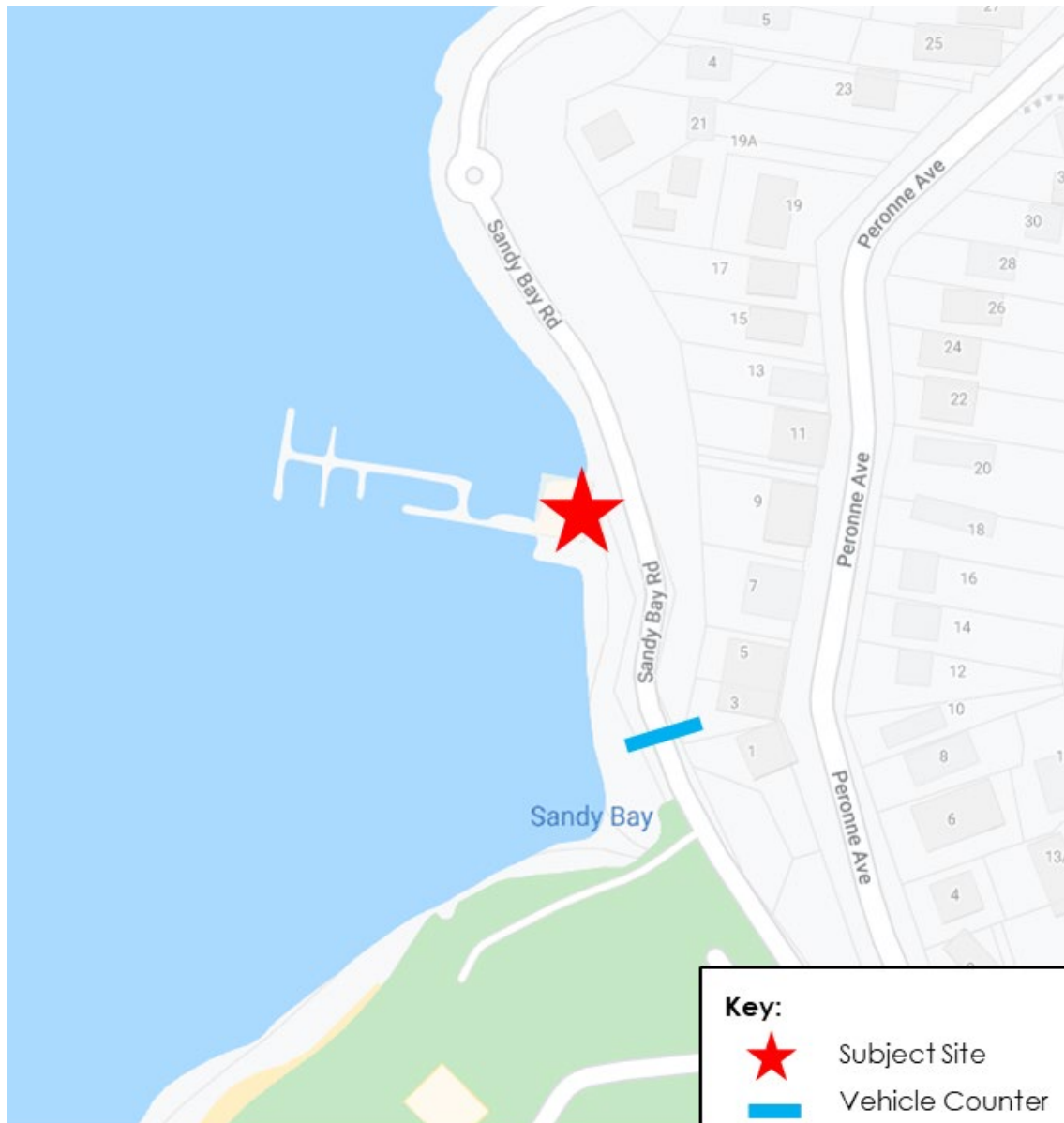
Figure 2.9: MA04 Site Layout



Base map source: Nearmap

The location of the vehicle counter station (i.e. tube counter) is shown in Figure 2.10.

Figure 2.10: MA04 Vehicle Counter Location



Base map source: Google Maps Australia

2.2.5 MA05 - Royal Motor Yacht Club, Port Hacking

Royal Motor Yacht Club, Port Hacking is located in Sydney's southern suburbs and is approximately 22km from Sydney CBD. Land use surrounding the site is residential.

Access to the site is provided off Woollooware Road. Woollooware Road is a two-way, two-lane road with unrestricted kerbside parking provided on both sides.

Key site details are provided in Table 2.6. Figure 2.12 shows the site layout and access location.

Table 2.6: MA05-Site Details

Site ID:	MA05
Name	Royal Motor Yacht Club, Port Hacking
Address	228–232 Woollooware Road, Burraneer
Region	Metropolitan
Council	Sutherland Shire
Survey Information:	
Date of survey	Fri, 7th February 2020 to Sun, 9th February 2020
Duration of survey, weather	
- Friday	11:00-19:00 (8hrs), Rainy
- Saturday	11:00-19:00 (8hrs), Rainy
- Sunday	11:00-19:00 (8hrs), Rainy
Area Characteristics:	
Surrounding land use (eg commercial, retail, high/low density residential, open space, etc)	Residential
Nearby on-street parking regime (eg resident scheme; time restrictions; hourly cost etc)	Unrestricted
Principal adjacent road - AM peak period (Friday)	08:00 to 09:00
Principal adjacent road - PM peak period (Friday)	15:00 to 16:00
Principal adjacent road - daily peak period (Saturday)	12:00 to 13:00
Principal adjacent road - daily peak period (Sunday)	11:00 to 12:00
Site Details	
Year built	1934
Site area (m ²)	22,590
Type of Marina (private or public)	Both
No. of Employees (total per day)	Data not available
No. of Employees (max on-site on a typical summer)	Data not available

Vessel Capacity:	
- Swing moorings*	135 (10 from website)
- Wet berths*	74 (64 from website)
- Hard stand / rack storage*	16 (not specified on website)
- TOTAL	225
Typical / maximum vessel lengths	berths: 18m moorings: 22m
Other services available at the site	Kiosk/ Cafe/ Restaurant, Club rooms, Slipway, Shipwright / Maintenance services
Seating capacity in café / restaurant (if applicable)	Data not available
Approximate commercial vs recreation usage	Data not available
On-site parking:	
Total car parking spaces	90
Opening hours:	
Weekdays	Mon-Wed 11am-10pm Thu 11am-11pm Fri 11am-11:30pm
Saturday	11am-11:30pm
Sunday	11am-10pm

* maximum vessel count observed on site

Figure 2.11: MA05 Site Layout



Base map source: Nearmap

The location of the vehicle counter station (i.e. tube counter) is shown in Figure 2.12.

Figure 2.12: MA05 Vehicle Counter Location



Base map source: Google Maps Australia

2.2.6 MA06 - Double Bay Marina

Double Bay Marina is located in Sydney's eastern suburbs and is approximately 3.5km from Sydney's central business district (CBD). The site is located about 600m or seven-minute walk from Double Bay Wharf.

Land use surrounding the site is residential.

Access to the site is at the intersection of Pearce Street and Castra Place. Time-restricted on-street parking with resident scheme is provided along local roads surrounding the site.

Key site details are provided in Table 2.7. Figure 2.13 shows the site layout and access location.

Table 2.7: MA06-Site Details

Site ID:	MA06
Name	Double Bay Marina
Address	8 Castra Place, Double Bay
Region	Metropolitan
Council	Woollahra
Survey Information:	
Date of survey	Fri, 3rd January 2020 to Sun, 5th January 2020
Duration of survey, weather	
- Friday	09:00-18:00 (9hrs), Cloudy
- Saturday	09:00-18:00 (9hrs), Sunny
- Sunday	09:00-18:00 (9hrs), Cloudy
Area Characteristics:	
Surrounding land use (eg commercial, retail, high/low density residential, open space, etc)	Residential
Nearby on-street parking regime (eg resident scheme; time restrictions; hourly cost etc)	Time restriction with resident scheme
Principal adjacent road - AM peak period (Friday)	08:00 to 09:00
Principal adjacent road - PM peak period (Friday)	17:00 to 18:00
Principal adjacent road - daily peak period (Saturday)	11:00 to 12:00
Principal adjacent road - daily peak period (Sunday)	12:00 to 13:00
Site Details	
Year built	1983
Site area (m ²)	4,216
Type of Marina (private or public)	Public
No. of Employees (total per day)	Data not available
No. of Employees (max on-site on a typical summer)	Data not available

Vessel Capacity:	
- Swing moorings*	95 (20 from website)
- Wet berths*	48 (45 from website)
- Hard stand / rack storage*	1 (not specified on website)
- TOTAL	144
Typical / maximum vessel lengths	berths: 18m moorings: 25m
Other services available at the site	Slipway, Shipwright / Maintenance services
Seating capacity in café / restaurant (if applicable)	Data not available
Approximate commercial vs recreation usage	Data not available
On-site parking:	
Total car parking spaces	0
Opening hours:	
Weekdays	9am-5pm/6pm (staffed hours), open 24 hours
Saturday	9am-5pm/6pm (staffed hours), open 24 hours
Sunday	9am-5pm/6pm (staffed hours), open 24 hours

* maximum vessel count observed on site

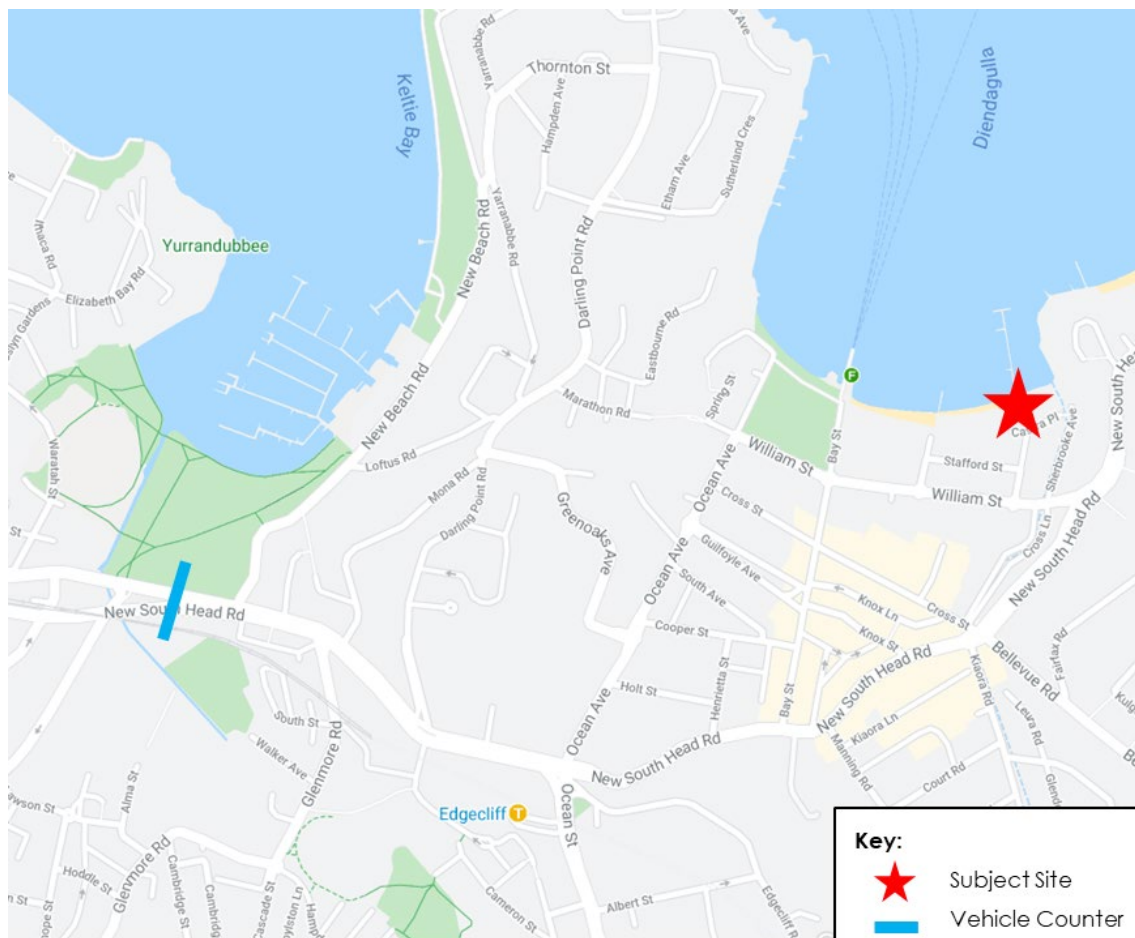
Figure 2.13: MA06 Site Layout



Base map source: Nearmap

The location of the vehicle counter station (i.e. Roads and Maritime traffic count station) is shown in Figure 2.14.

Figure 2.14: MA06 Vehicle Counter Location



Base map source: Google Maps Australia

2.2.7 MA07 - Woolwich Marina

Woolwich Marina is located in Sydney's northern suburbs and is approximately 4.5km from Sydney CBD. The site is located about 650m or eight-minute walk from Clarke Road wharf.

The site is surrounded by residential dwellings and open spaces (i.e. Weil Park and Clarks Point Reserve). Access to the site is provided off Margaret Street which is a two-way, two-lane local road.

Time-restricted kerbside parking is provided along local roads surrounding the site.

Key site details are provided in Table 2.8. Figure 2.15 shows the site layout and access location.

Table 2.8: MA07-Site Details

Site ID:	MA07
Name	Woolwich Marina
Address	2c Margaret St, Woolwich
Region	Metropolitan
Council	Hunters Hill
Survey Information:	
Date of survey	Fri, 17th Jan 2020 to Sun, 19th Jan 2020
Duration of survey, weather	
- Friday	09:00-17:30 (8.5hrs), Rainy
- Saturday	09:00-17:30 (8.5hrs), Cloudy
- Sunday	09:00-17:30 (8.5hrs), Cloudy
Area Characteristics:	
Surrounding land use (eg commercial, retail, high/low density residential, open space, etc)	Residential / Open space
Nearby on-street parking regime (eg resident scheme; time restrictions; hourly cost etc)	Time restrictions
Principal adjacent road - AM peak period (Friday)	11:00 to 12:00
Principal adjacent road - PM peak period (Friday)	16:00 to 17:00
Principal adjacent road - daily peak period (Saturday)	11:00 to 12:00
Principal adjacent road - daily peak period (Sunday)	16:00 to 17:00
Site Details	
Year built	Data not available
Site area (m ²)	5,765
Type of Marina (private or public)	Public
No. of Employees (total per day)	Data not available
No. of Employees (max on-site on a typical summer)	Data not available

Vessel Capacity:	
- Swing moorings*	17 (10 from website)
- Wet berths*	40 (36 from website)
- Hard stand / rack storage	0 (not specified on website)
- TOTAL	57
Typical / maximum vessel lengths	18m
Other services available at the site	Fuel, Slipway, Offices
Seating capacity in café / restaurant (if applicable)	Data not available
Approximate commercial vs recreation usage	Data not available
On-site parking:	
Total car parking spaces	30
Opening hours:	
Weekdays	9am-5:30pm (staffed hours), open 24 hours
Saturday	9am-5:30pm (staffed hours), open 24 hours
Sunday	closed

* maximum vessel count observed on site

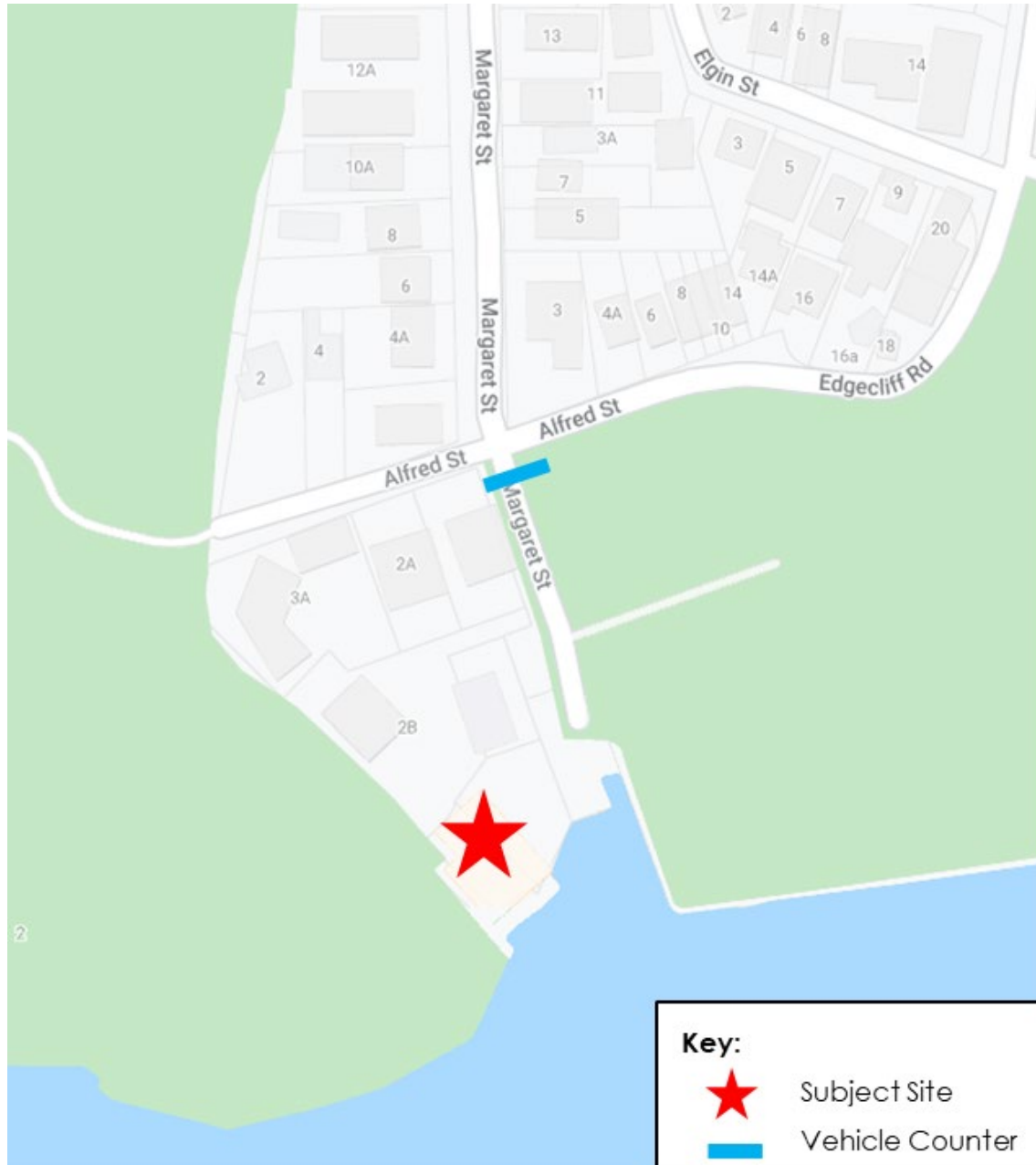
Figure 2.15: MA07 Site Layout



Base map source: Nearmap

The location of the vehicle counter station (i.e. tube counter) is shown in Figure 2.16.

Figure 2.16: MA07 Vehicle Counter Location



Base map source: Google Maps Australia

2.2.8 MA08 - Sydney Superyacht Marina

Sydney Superyacht Marina is located in Sydney's inner west and is approximately 2.5km from Sydney CBD. The site is surrounded primarily by industrial and commercial facilities. Roads and Maritime Services is located adjacent the subject site.

Access to the site is provide off Maritime Court which is a two-way, two-lane local road.

Key site details are provided in Table 2.9. Figure 2.17 shows the site layout and access location.

Table 2.9: MA08-Site Details

Site ID:	MA08
Name	Sydney Superyacht Marina
Address	2 Maritime Court, Rozelle
Region	Metropolitan
Council	Inner West
Survey Information:	
Date of survey	Fri, 3rd January 2020 to Sun, 5th January 2020
Duration of survey, weather	
- Friday	08:00-17:00 (9hrs), Sunny
- Saturday	08:00-17:00 (9hrs), Cloudy
- Sunday	08:00-17:00 (9hrs), Sunny
Area Characteristics:	
Surrounding land use (eg commercial, retail, high/low density residential, open space, etc)	Industrial
Nearby on-street parking regime (eg resident scheme; time restrictions; hourly cost etc)	Time restrictions
Principal adjacent road - AM peak period (Friday)	08:00 to 09:00
Principal adjacent road - PM peak period (Friday)	17:00 to 18:00
Principal adjacent road - daily peak period (Saturday)	12:00 to 13:00
Principal adjacent road - daily peak period (Sunday)	12:00 to 13:00
Site Details	
Year built	Data not available
Site area (m ²)	29410
Type of Marina (private or public)	Public
No. of Employees (total per day)	Data not available
No. of Employees (max on-site on a typical summer)	Data not available

Vessel Capacity:	
- Swing moorings*	68 (0 from website)
- Wet berths*	26 (24 from website)
- Hard stand / rack storage*	14 (not specified on website)
- TOTAL	108
Typical / maximum vessel lengths	75m
Other services available at the site	Kiosk/ Cafe/ Restaurant, Fuel, Shipwright / Maintenance services, Gym, Fitness, Personal wellbeing services, Offices, Retail businesses
Seating capacity in café / restaurant (if applicable)	Data not available
Approximate commercial vs recreation usage	Data not available
On-site parking:	
Total car parking spaces	288
Opening hours:	
Weekdays	9am-5pm
Saturday	9am-5pm
Sunday	9am-5pm

* maximum vessel count observed on site

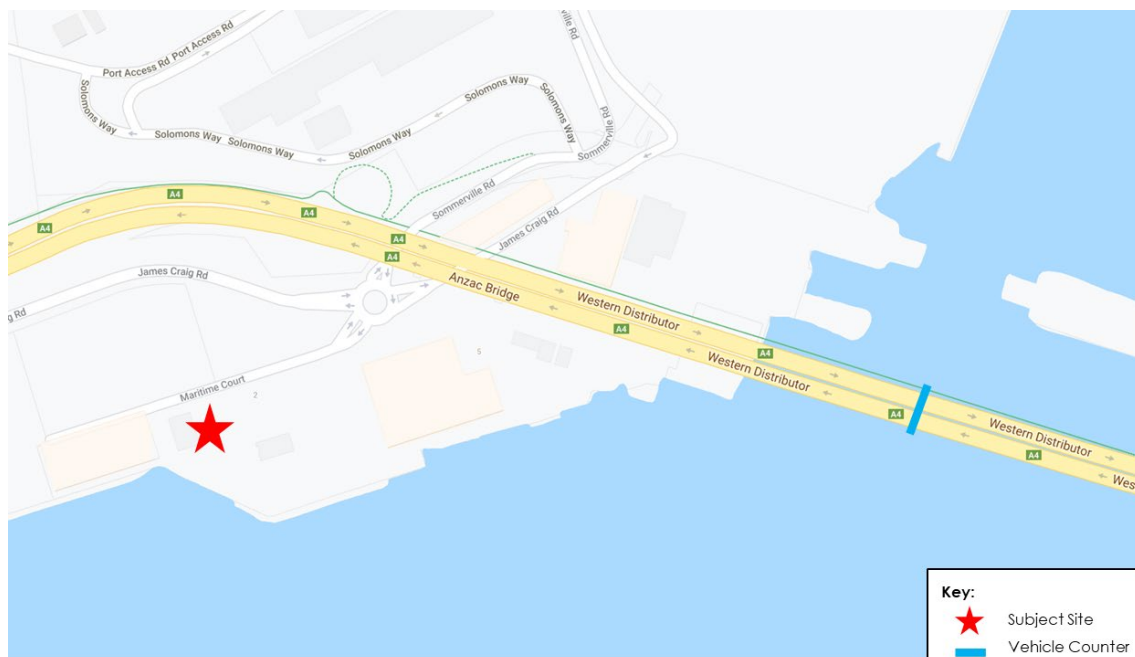
Figure 2.17: MA08 Site Layout



Base map source: Nearmap

The location of the vehicle counter station (i.e. Roads and Maritime traffic count station) is shown in Figure 2.18.

Figure 2.18: MA08 Vehicle Counter Location



Base map source: Google Maps Australia

2.2.9 MA09 - Coffs Harbour Marina

Coffs Harbour Marina is located in the north coast region of New South Wales. Land use surrounding the site is generally open space (i.e. Coffs Coast State Park).

Marina Drive is a local road, providing main access to the site. Time-restricted parking facility is provided near the site.

Key site details are provided in Table 2.10. Figure 2.19 shows the site layout and access location.

Table 2.10: MA09-Site Details

Site ID:	MA09
Name	Coffs Harbour Marina
Address	1 Marina Dr, Coffs Harbour
Region	Regional
Council	Coffs Harbour
Survey Information:	
Date of survey	Fri, 17th Jan 2020 to Sun, 19th Jan 2020
Duration of survey, weather	
- Friday	09:00-17:30 (8.5hrs), Rainy
- Saturday	09:00-17:30 (8.5hrs), Rainy
- Sunday	09:00-17:30 (8.5hrs), Sunny
Area Characteristics:	
Surrounding land use (eg commercial, retail, high/low density residential, open space, etc)	Open space
Nearby on-street parking regime (eg resident scheme; time restrictions; hourly cost etc)	Time Restrictions
Principal adjacent road - AM peak period (Friday)	11:00 to 12:00
Principal adjacent road - PM peak period (Friday)	12:00 to 13:00
Principal adjacent road - daily peak period (Saturday)	12:00 to 13:00
Principal adjacent road - daily peak period (Sunday)	11:00 to 12:00

Site Details	
Year built	Data not available
Site area (m ²)	125,600
Type of Marina (private or public)	Public
No. of Employees (total per day)	Data not available
No. of Employees (max on-site on a typical summer)	Data not available
Vessel Capacity:	
- Swing moorings	10
- Wet berths	165
- Hard stand / rack storage*	2 (not specified on website)
- TOTAL	177
Typical / maximum vessel lengths	20m
Other services available at the site	Kiosk/ Cafe/ Restaurant, Club rooms, Laundromat, Fuel, Vessel sales & hire, Shipwright / Maintenance services, Chandlery, Hairdresser, Art gallery, Dress shop, Car hire, Government office
Seating capacity in café / restaurant (if applicable)	Data not available
Approximate commercial vs recreation usage	Data not available
On-site parking:	
Total car parking spaces	274
Opening hours:	
Weekdays	8am-4pm
Saturday	9am-1pm
Sunday	closed

* maximum vessel count observed on site

Figure 2.19: MA09 Site Layout



Base map source: Nearmap

The location of the vehicle counter station (i.e. tube counter) is shown in Figure 2.20.

Figure 2.20: MA09 Vehicle Counter Location



Base map source: Google Maps Australia

2.2.10 MA10 - Port Macquarie Marina

Port Macquarie Marina is located in the mid north coast region of New South Wales.

Land use surrounding the site is generally commercial. The site is in close proximity to Settlement City Shopping Centre and Bay Park Plaza.

Access to the site is provided off Park Street. Park Street is a two-way, four-lane road with unrestricted parking provided on both sides.

Key site details are provided in Table 2.11. Figure 2.21 shows the site layout and access location.

Table 2.11: MA10-Site Details

Site ID:	MA10
Name	Port Macquarie Marina
Address	18 Park Street, Port Macquarie
Region	Regional
Council	Port Macquarie
Survey Information:	
Date of survey	Fri, 3rd January 2020 to Sun, 5th January 2020
Duration of survey, weather	
- Friday	08:00-18:00 (10hrs), Sunny
- Saturday	08:00-18:00 (10hrs), Sunny
- Sunday	08:00-18:00 (10hrs), Sunny
Area Characteristics:	
Surrounding land use (eg commercial, retail, high/low density residential, open space, etc)	Commercial
Nearby on-street parking regime (eg resident scheme; time restrictions; hourly cost etc)	Unrestricted
Principal adjacent road - AM peak period (Friday)	11:00 to 12:00
Principal adjacent road - PM peak period (Friday)	12:00 to 13:00
Principal adjacent road - daily peak period (Saturday)	11:00 to 12:00
Principal adjacent road - daily peak period (Sunday)	11:00 to 12:00

Site Details	
Year built	Data not available
Site area (m ²)	23,890
Type of Marina (private or public)	Public
No. of Employees (total per day)	3
No. of Employees (max on-site on a typical summer)	3
Vessel Capacity:	
- Swing moorings*	43 (9 from website)
- Wet berths	105
- Hard stand / rack storage*	15 (not specified on website)
- TOTAL	163
Typical / maximum vessel lengths	25m
Other services available at the site	Kiosk/ Cafe/ Restaurant, Club rooms, General supplies store, Fuel, Vessel sales & hire, Slipway, Shipwright / Maintenance services, Chandlery, Hairdresser, Spa, Marine insurance, Real estate
Seating capacity in café / restaurant (if applicable)	Data not available
Approximate commercial vs recreation usage	Data not available
On-site parking:	
Total car parking spaces	86
Opening hours:	
Weekdays	8am-5pm (staffed hours), open 24 hours
Saturday	8am-12pm (staffed hours), open 24 hours
Sunday	8am-12pm (staffed hours), open 24 hours

* maximum vessel count observed on site

Figure 2.21: MA10 Site Layout



Base map source: Nearthmap

The location of the vehicle counter station (i.e. tube counter) is shown in Figure 2.22.

Figure 2.22: MA10 Vehicle Counter Location



Base map source: Google Maps Australia

2.2.11 MA11 - Soldiers Point Marina

Soldiers Point Marina is located in the Hunter Region of New South Wales. Land use surrounding the site is predominantly residential.

The site can be accessed via Ridgeway Avenue which is a two-way, two-lane local road. Unrestricted on-site parking is provided along surrounding local streets.

Key site details are provided in Table 2.12. Figure 2.23 shows the site layout and access location.

Table 2.12: MA11-Site Details

Site ID:	MA11
Name	Soldiers Point Marina
Address	Sunset Blvd, Soldiers Point
Region	Regional
Council	Hunter
Survey Information:	
Date of survey	Fri, 3rd January 2020 to Sun, 5th January 2020
Duration of survey, weather	
- Friday	08:00-17:30 (9.5hrs), Sunny
- Saturday	08:00-17:30 (9.5hrs), Sunny
- Sunday	08:00-17:30 (9.5hrs), Cloudy
Area Characteristics:	
Surrounding land use (eg commercial, retail, high/low density residential, open space, etc)	Residential
Nearby on-street parking regime (eg resident scheme; time restrictions; hourly cost etc)	Unrestricted
Principal adjacent road - AM peak period (Friday)	11:00 to 12:00
Principal adjacent road - PM peak period (Friday)	12:00 to 13:00
Principal adjacent road - daily peak period (Saturday)	10:00 to 11:00
Principal adjacent road - daily peak period (Sunday)	11:00 to 12:00
Site Details	
Year built	Data not available
Site area (m ²)	16,470
Type of Marina (private or public)	Both
No. of Employees (total per day)	Data not available
No. of Employees (max on-site on a typical summer)	Data not available

Vessel Capacity:	
- Swing moorings*	50 (not specified on website)
- Wet berths	100
- Hard stand / rack storage*	13 (not specified on website)
- TOTAL	163
Typical / maximum vessel lengths	45m
Other services available at the site	Kiosk/ Cafe/ Restaurant, Club rooms, Laundromat, Fuel, Vessel sales & hire, Shipwright / Maintenance services, Lounge, Boardroom, Fitness centre, Sauna, Apartment
Seating capacity in café / restaurant (if applicable)	Data not available
Approximate commercial vs recreation usage	Data not available
On-site parking:	
Total car parking spaces	49
Opening hours:	
Weekdays	8:30am-5pm
Saturday	8:30am-5pm
Sunday	8:30am-5pm

* maximum vessel count observed on site

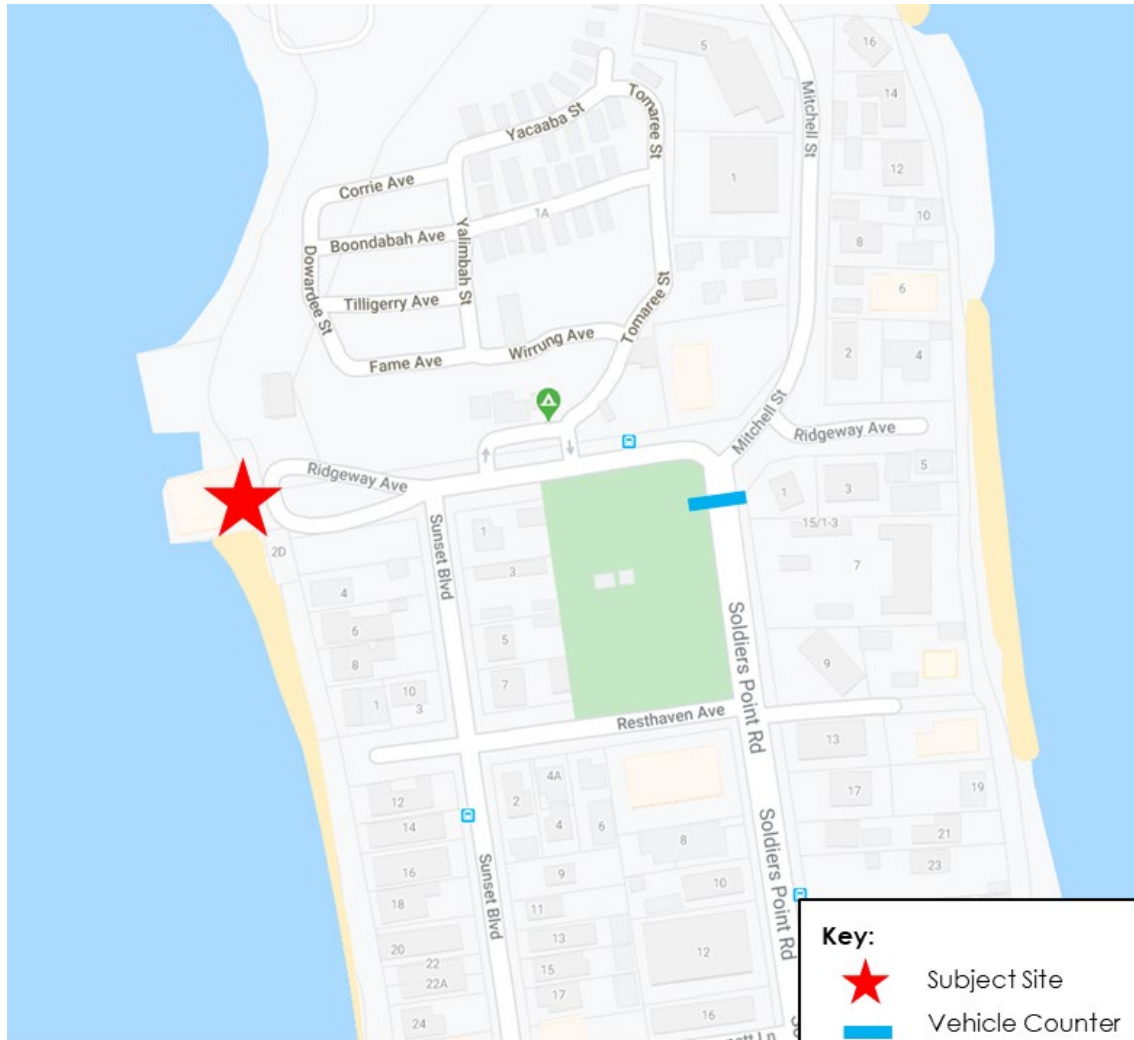
Figure 2.23: MA11 Site Layout



Base map source: Nearmap

The location of the vehicle counter station (i.e. tube counter) is shown in Figure 2.24.

Figure 2.24: MA11 Vehicle Counter Location



Base map source: Google Maps Australia

2.2.12 MA12 - Koolewong Marina

Koolewong Marina is located in the Central Coast region of New South Wales.

Brisbane Water Drive is a Roads and Maritime Services classified State Road, providing main access to the site. On-street parking is not permitted along Brisbane Water Drive.

Land use near the site (i.e. across Brisbane Water Drive) is residential use.

Key site details are provided in Table 2.13. Figure 2.25 shows the site layout and access location.

Table 2.13: MA12-Site Details

Site ID:	MA12
Name	Koolewong Marina
Address	19 Brisbane Water Dr, Koolewong
Region	Regional
Council	Central Coast
Survey Information:	
Date of survey	Fri, 21st February 2020 to Sun, 23rd February 2020
Duration of survey, weather	
- Friday	09:00-17:00 (8hrs), Cloudy
- Saturday	09:00-17:00 (8hrs), Rainy / Cloudy
- Sunday	09:00-17:00 (8hrs), Cloudy
Area Characteristics:	
Surrounding land use (eg commercial, retail, high/low density residential, open space, etc)	Residential
Nearby on-street parking regime (eg resident scheme; time restrictions; hourly cost etc)	No Parking
Principal adjacent road - AM peak period (Friday)	08:00 to 09:00
Principal adjacent road - PM peak period (Friday)	15:00 to 16:00
Principal adjacent road - daily peak period (Saturday)	12:00 to 13:00
Principal adjacent road - daily peak period (Sunday)	12:00 to 13:00
Site Details	
Year built	Data not available
Site area (m ²)	15,750
Type of Marina (private or public)	Public
No. of Employees (total per day)	Data not available
No. of Employees (max on-site on a typical summer)	Data not available

Vessel Capacity:	
- Swing moorings	0 (not specified on website)
- Wet berths	50
- Hard stand / rack storage	0 (not specified on website)
- TOTAL	50
Typical / maximum vessel lengths	30m
Other services available at the site	Laundromat, Vessel sales & hire, Shipwright / Maintenance services, Chandlery
Seating capacity in café / restaurant (if applicable)	Data not available
Approximate commercial vs recreation usage	Data not available
On-site parking:	
Total car parking spaces	45
Opening hours:	
Weekdays	9am-5pm
Saturday	9am-5pm
Sunday	9am-5pm

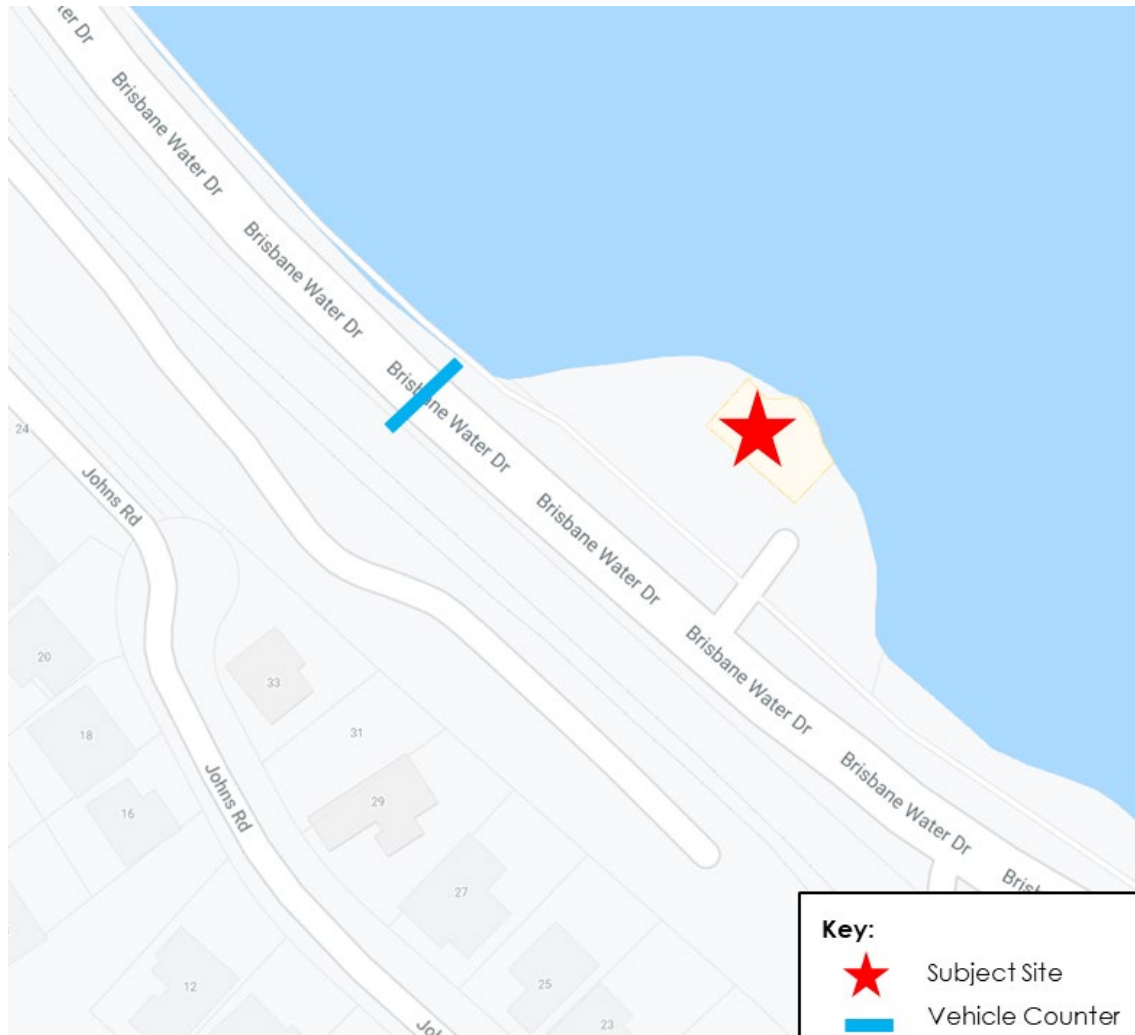
Figure 2.25: MA12 Site Layout



Base map source: Nearthmap

The location of the vehicle counter station (i.e. tube counter) is shown in Figure 2.26.

Figure 2.26: MA12 Vehicle Counter Location



Base map source: Google Maps Australia

3 Survey Results

3.1 Traffic Survey Results

Site surveys were undertaken from Friday to Sunday during summer months (i.e. January to February) when marinas are typically busiest.

The results of the survey counts are presented on the following sections.

3.1.1 MA01 - Royal Motor Yacht Club of NSW, Point Piper

Table 3.1: MA01 Survey Results (Friday 15-minute data)

Time Period	Vehicle-based Trips					Person-based Trips									Vessel Movements				
	In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied
						In	Out	Total	In	Out	Total	In	Out	Total					
8:00 to 8:15	0	0	0	97	34%	0	0	0	0	0	0	0	0	0	0	0	0	362	98%
8:15 to 8:30	0	0	0	97	34%	0	0	0	0	0	0	0	0	0	0	0	0	362	98%
8:30 to 8:45	5	4	9	98	34%	8	5	13	2	0	2	10	5	15	0	0	0	362	98%
8:45 to 9:00	6	5	11	99	35%	9	7	16	3	1	4	12	8	20	0	0	0	362	98%
9:00 to 9:15	12	9	21	102	36%	16	13	29	1	0	1	17	13	30	1	1	2	362	98%
9:15 to 9:30	9	7	16	104	36%	10	9	19	1	0	1	11	9	20	2	1	3	363	98%
9:30 to 9:45	5	8	13	101	35%	6	10	16	0	0	0	6	10	16	0	1	1	362	98%
9:45 to 10:00	6	2	8	105	37%	8	2	10	0	1	1	8	3	11	0	0	0	362	98%
10:00 to 10:15	9	7	16	107	37%	11	8	19	0	0	0	11	8	19	1	1	2	362	98%
10:15 to 10:30	7	1	8	113	40%	8	1	9	0	0	0	8	1	9	0	0	0	362	98%
10:30 to 10:45	9	7	16	115	40%	8	7	15	0	0	0	8	7	15	1	2	3	361	98%
10:45 to 11:00	10	9	19	116	41%	15	14	29	0	0	0	15	14	29	0	0	0	361	98%
11:00 to 11:15	6	4	10	118	41%	8	6	14	0	0	0	8	6	14	0	3	3	358	97%
11:15 to 11:30	8	9	17	117	41%	8	10	18	0	0	0	8	10	18	0	1	1	357	97%
11:30 to 11:45	10	6	16	121	42%	11	6	17	2	0	2	13	6	19	1	1	2	357	97%
11:45 to 12:00	9	5	14	125	44%	11	6	17	0	0	0	11	6	17	0	2	2	355	96%
12:00 to 12:15	8	6	14	127	44%	10	6	16	0	0	0	10	6	16	0	1	1	354	96%
12:15 to 12:30	12	4	16	135	47%	14	4	18	0	0	0	14	4	18	1	1	2	354	96%
12:30 to 12:45	12	2	14	145	51%	13	2	15	1	0	1	14	2	16	0	1	1	353	96%
12:45 to 13:00	9	3	12	151	53%	10	5	15	0	0	0	10	5	15	2	2	4	353	96%
13:00 to 13:15	10	5	15	156	55%	13	6	19	2	0	2	15	6	21	0	0	0	353	96%
13:15 to 13:30	12	4	16	164	57%	12	10	22	0	0	0	12	10	22	0	1	1	352	95%
13:30 to 13:45	10	9	19	165	58%	11	7	18	0	0	0	11	7	18	1	1	2	352	95%
13:45 to 14:00	9	7	16	167	58%	11	4	15	0	0	0	11	4	15	0	0	0	352	95%
14:00 to 14:15	7	3	10	171	60%	10	3	13	1	0	1	11	3	14	1	1	2	352	95%
14:15 to 14:30	9	6	15	174	61%	11	7	18	0	0	0	11	7	18	0	0	0	352	95%
14:30 to 14:45	14	4	18	184	64%	21	10	31	0	0	0	21	10	31	1	1	2	352	95%
14:45 to 15:00	7	8	15	183	64%	7	11	18	0	0	0	7	11	18	0	0	0	352	95%
15:00 to 15:15	8	7	15	184	64%	9	8	17	1	0	1	10	8	18	0	2	2	350	95%
15:15 to 15:30	10	4	14	190	66%	14	6	20	0	4	4	14	10	24	1	1	2	350	95%
15:30 to 15:45	6	5	11	191	67%	8	8	16	0	0	0	8	8	16	0	0	0	350	95%
15:45 to 16:00	9	5	14	195	68%	9	7	16	0	0	0	9	7	16	0	2	2	348	94%
16:00 to 16:15	12	6	18	201	70%	15	10	25	0	2	2	15	12	27	1	0	1	349	95%
16:15 to 16:30	7	9	16	199	70%	9	16	25	0	0	0	9	16	25	0	1	1	348	94%
16:30 to 16:45	4	7	11	196	69%	4	7	11	2	2	4	6	9	15	0	0	0	348	94%
16:45 to 17:00	5	8	13	193	67%	7	9	16	0	0	0	7	9	16	1	0	1	349	95%
17:00 to 17:15	4	9	13	188	66%	4	15	19	0	2	2	4	17	21	0	1	1	348	94%
17:15 to 17:30	8	5	13	191	67%	11	6	17	0	3	3	11	9	20	0	0	0	348	94%
17:30 to 17:45	3	8	11	186	65%	3	10	13	0	1	1	3	11	14	1	1	2	348	94%
17:45 to 18:00	3	1	4	188	66%	4	9	13	0	2	2	4	11	15	0	0	0	348	94%
18:00 to 18:15	0	0	0	188	66%	0	0	0	0	0	0	0	0	0	0	0	0	348	94%
18:15 to 18:30	0	0	0	188	66%	0	0	0	0	0	0	0	0	0	0	0	0	348	94%
18:30 to 18:45	0	0	0	188	66%	0	0	0	0	0	0	0	0	0	0	0	0	348	94%
18:45 to 19:00	0	0	0	188	66%	0	0	0	0	0	0	0	0	0	0	0	0	348	94%

Table 3.2: MA01 Survey Results (Friday hourly data)

Time Period	Vehicle-based Trips						Person-based Trips									Vessel Movements				
	In	Out	Total	Max Accumulation	% Occupied		Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied
							In	Out	Total	In	Out	Total	In	Out	Total					
8:00 to 9:00	11	9	20	99	35%		17	12	29	5	1	6	22	13	35	0	0	0	362	98%
8:15 to 9:15	23	18	41	102	36%		33	25	58	6	1	7	39	26	65	1	1	2	362	98%
8:30 to 9:30	32	25	57	104	36%		43	34	77	7	1	8	50	35	85	3	2	5	363	98%
8:45 to 9:45	32	29	61	104	36%		41	39	80	5	1	6	46	40	86	3	3	6	363	98%
9:00 to 10:00	32	26	58	105	37%		40	34	74	2	1	3	42	35	77	3	3	6	363	98%
9:15 to 10:15	29	24	53	107	37%		35	29	64	1	1	2	36	30	66	3	3	6	363	98%
9:30 to 10:30	27	18	45	113	40%		33	21	54	0	1	1	33	22	55	1	2	3	362	98%
9:45 to 10:45	31	17	48	115	40%		35	18	53	0	1	1	35	19	54	2	3	5	362	98%
10:00 to 11:00	35	24	59	116	41%		42	30	72	0	0	0	42	30	72	2	3	5	362	98%
10:15 to 11:15	32	21	53	118	41%		39	28	67	0	0	0	39	28	67	1	5	6	362	98%
10:30 to 11:30	33	29	62	118	41%		39	37	76	0	0	0	39	37	76	1	6	7	361	98%
10:45 to 11:45	34	28	62	121	42%		42	36	78	2	0	2	44	36	80	1	5	6	361	98%
11:00 to 12:00	33	24	57	125	44%		38	28	66	2	0	2	40	28	68	1	7	8	358	97%
11:15 to 12:15	35	26	61	127	44%		40	28	68	2	0	2	42	28	70	1	5	6	357	97%
11:30 to 12:30	39	21	60	135	47%		46	22	68	2	0	2	48	22	70	2	5	7	357	97%
11:45 to 12:45	41	17	58	145	51%		48	18	66	1	0	1	49	18	67	1	5	6	355	96%
12:00 to 13:00	41	15	56	151	53%		47	17	64	1	0	1	48	17	65	3	5	8	354	96%
12:15 to 13:15	43	14	57	156	55%		50	17	67	3	0	3	53	17	70	3	4	7	354	96%
12:30 to 13:30	43	14	57	164	57%		48	23	71	3	0	3	51	23	74	2	4	6	353	96%
12:45 to 13:45	41	21	62	165	58%		46	28	74	2	0	2	48	28	76	3	4	7	353	96%
13:00 to 14:00	41	25	66	167	58%		47	27	74	2	0	2	49	27	76	1	2	3	353	96%
13:15 to 14:15	38	23	61	171	60%		44	24	68	1	0	1	45	24	69	2	3	5	352	95%
13:30 to 14:30	35	25	60	174	61%		43	21	64	1	0	1	44	21	65	2	2	4	352	95%
13:45 to 14:45	39	20	59	184	64%		53	24	77	1	0	1	54	24	78	2	2	4	352	95%
14:00 to 15:00	37	21	58	184	64%		49	31	80	1	0	1	50	31	81	2	2	4	352	95%
14:15 to 15:15	38	25	63	184	64%		48	36	84	1	0	1	49	36	85	1	3	4	352	95%
14:30 to 15:30	39	23	62	190	66%		51	35	86	1	4	5	52	39	91	2	4	6	352	95%
14:45 to 15:45	31	24	55	191	67%		38	33	71	1	4	5	39	37	76	1	3	4	352	95%
15:00 to 16:00	33	21	54	195	68%		40	29	69	1	4	5	41	33	74	1	5	6	350	95%
15:15 to 16:15	37	20	57	201	70%		46	31	77	0	6	6	46	37	83	2	3	5	350	95%
15:30 to 16:30	34	25	59	201	70%		41	41	82	0	2	2	41	43	84	1	3	4	350	95%
15:45 to 16:45	32	27	59	201	70%		37	40	77	2	4	6	39	44	83	1	3	4	349	95%
16:00 to 17:00	28	30	58	201	70%		35	42	77	2	4	6	37	46	83	2	1	3	349	95%
16:15 to 17:15	20	33	53	199	70%		24	47	71	2	4	6	26	51	77	1	2	3	349	95%
16:30 to 17:30	21	29	50	196	69%		26	37	63	2	7	9	28	44	72	1	1	2	349	95%
16:45 to 17:45	20	30	50	193	67%		25	40	65	0	6	6	25	46	71	2	2	4	349	95%
17:00 to 18:00	18	23	41	191	67%		22	40	62	0	8	8	22	48	70	1	2	3	348	94%
17:15 to 18:15	14	14	28	191	67%		18	25	43	0	6	6	18	31	49	1	1	2	348	94%
17:30 to 18:30	6	9	15	188	66%		7	19	26	0	3	3	7	22	29	1	1	2	348	94%
17:45 to 18:45	3	1	4	188	66%		4	9	13	0	2	2	4	11	15	0	0	0	348	94%
18:00 to 19:00	0	0	0	188	66%		0	0	0	0	0	0	0	0	0	0	0	0	348	94%

 Network AM peak hour
 Network PM peak hour
 Site AM peak hour
 Site PM peak hour
 Site (daily) peak hour

Figure 3.1: MA01 Survey Results (Friday) – Vehicle Trips

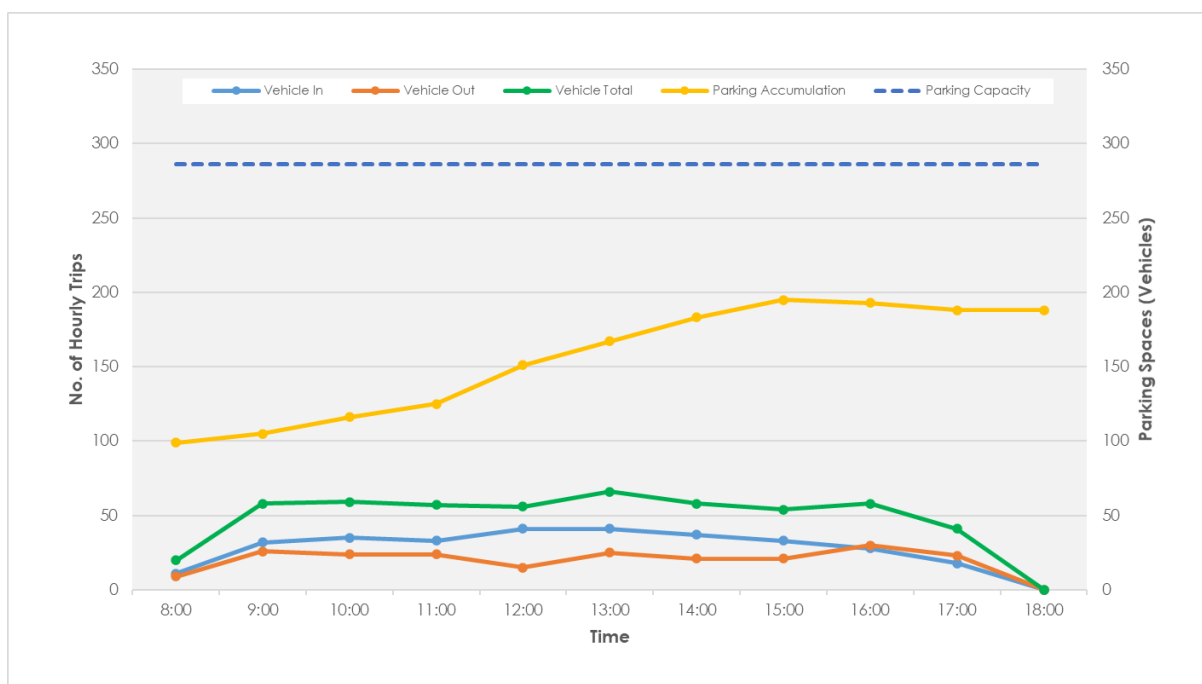


Figure 3.2: MA01 Survey Results (Friday) – Person Trips

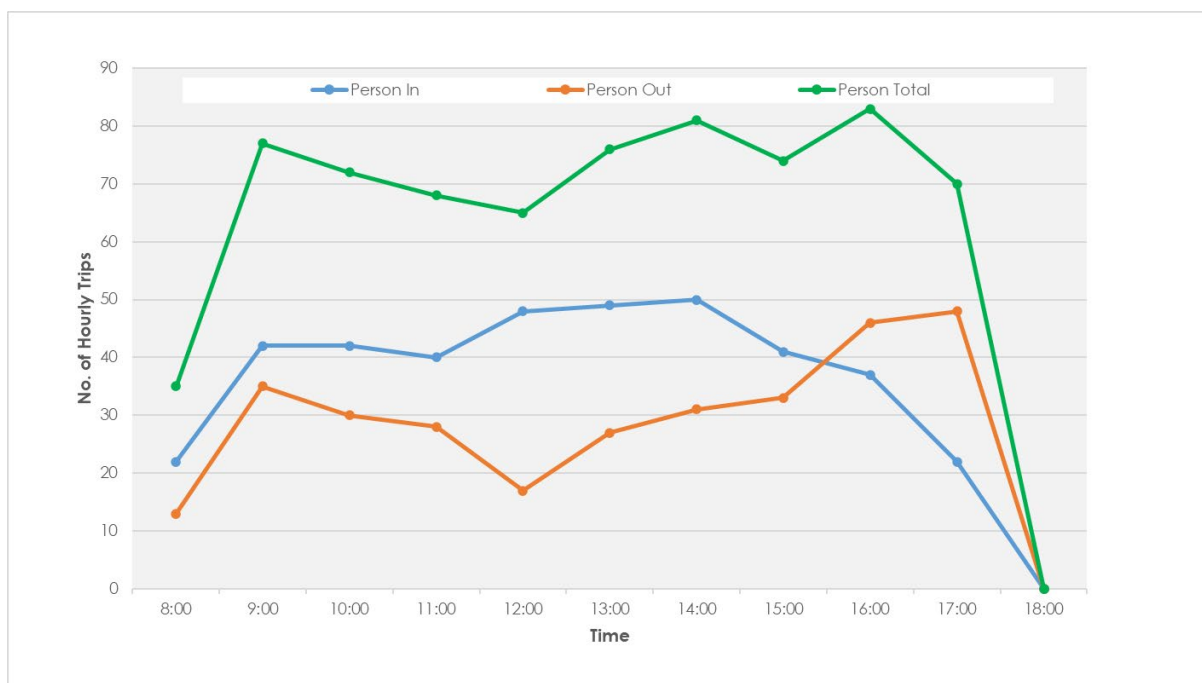


Figure 3.3: MA01 Survey Results (Friday) – Vessel Movement

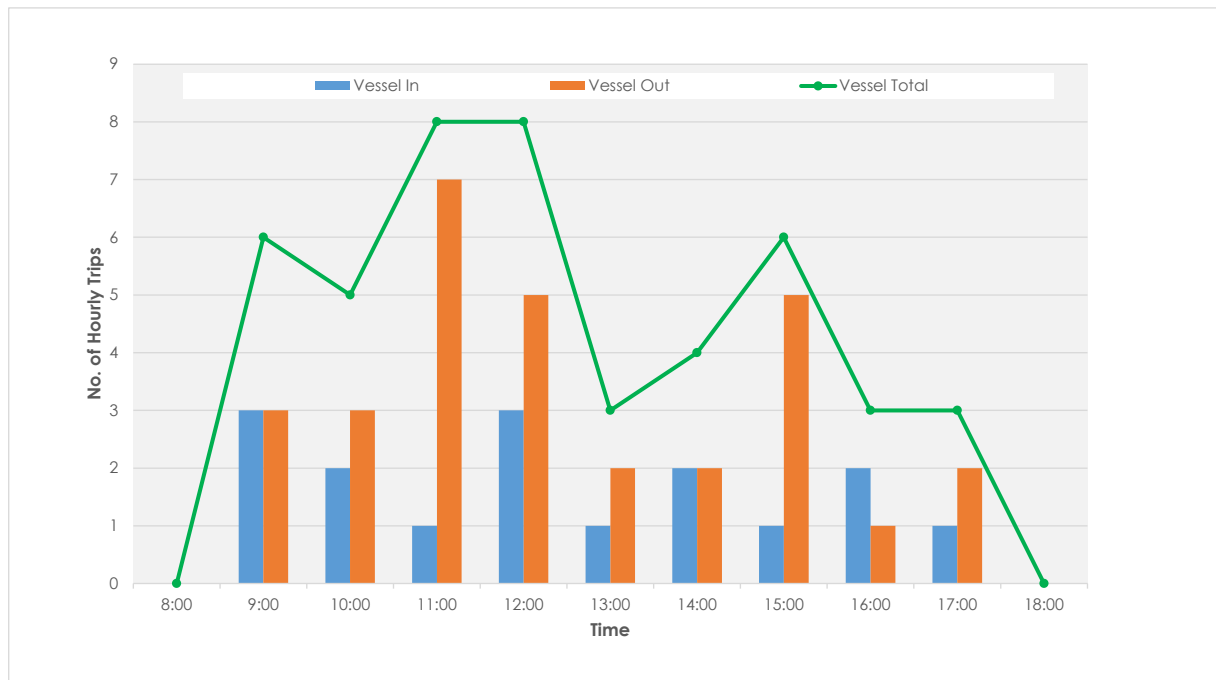


Table 3.3: MA01 Survey Results (Saturday 15-minute data)

Time Period	Vehicle-based Trips					Person-based Trips									Vessel Movements				
	In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied
8:00 to 8:15	0	0	0	84	29%	0	0	0	0	0	0	0	0	0	0	0	0	368	100%
8:15 to 8:30	0	0	0	84	29%	0	0	0	0	0	0	0	0	0	0	0	0	368	100%
8:30 to 8:45	3	2	5	85	30%	3	2	5	1	0	1	4	2	6	0	1	1	367	99%
8:45 to 9:00	4	1	5	88	31%	5	1	6	0	0	0	5	1	6	0	0	0	367	99%
9:00 to 9:15	2	0	2	90	31%	2	0	2	2	0	2	4	0	4	0	0	0	367	99%
9:15 to 9:30	6	1	7	95	33%	8	1	9	0	0	0	8	1	9	0	1	1	366	99%
9:30 to 9:45	2	1	3	96	34%	3	1	4	0	0	0	3	1	4	0	0	0	366	99%
9:45 to 10:00	2	4	6	94	33%	2	5	7	0	0	0	2	5	7	1	1	2	366	99%
10:00 to 10:15	3	2	5	95	33%	5	2	7	0	0	0	5	2	7	0	1	1	365	99%
10:15 to 10:30	1	4	5	92	32%	2	6	8	0	0	0	2	6	8	0	1	1	364	99%
10:30 to 10:45	0	0	0	92	32%	0	0	0	0	0	0	0	0	0	1	1	2	364	99%
10:45 to 11:00	0	0	0	92	32%	0	0	0	0	0	0	0	0	0	0	0	0	364	99%
11:00 to 11:15	1	0	1	93	33%	1	0	1	0	0	0	1	0	1	0	0	0	364	99%
11:15 to 11:30	1	1	2	93	33%	1	1	2	0	0	0	1	1	2	1	2	3	363	98%
11:30 to 11:45	2	0	2	95	33%	3	0	3	0	0	0	3	0	3	0	1	1	362	98%
11:45 to 12:00	0	3	3	92	32%	0	6	6	0	0	0	0	6	6	1	0	1	363	98%
12:00 to 12:15	3	4	7	91	32%	5	6	11	3	0	3	8	6	14	0	0	0	363	98%
12:15 to 12:30	5	2	7	94	33%	6	2	8	0	0	0	6	2	8	0	0	0	363	98%
12:30 to 12:45	6	3	9	97	34%	7	5	12	0	0	0	7	5	12	0	0	0	363	98%
12:45 to 13:00	5	2	7	100	35%	6	2	8	0	0	0	6	2	8	1	1	2	363	98%
13:00 to 13:15	4	1	5	103	36%	4	3	7	0	0	0	4	3	7	0	1	1	362	98%
13:15 to 13:30	2	4	6	101	35%	4	5	9	0	0	0	4	5	9	1	0	1	363	98%
13:30 to 13:45	4	4	8	101	35%	9	6	15	0	0	0	9	6	15	0	0	0	363	98%
13:45 to 14:00	3	3	6	101	35%	7	6	13	0	0	0	7	6	13	1	2	3	362	98%
14:00 to 14:15	3	0	3	104	36%	6	0	6	0	0	0	6	0	6	0	1	1	361	98%
14:15 to 14:30	4	3	7	105	37%	6	7	13	0	0	0	6	7	13	1	0	1	362	98%
14:30 to 14:45	3	6	9	102	36%	8	8	16	0	0	0	8	8	16	0	1	1	361	98%
14:45 to 15:00	5	4	9	103	36%	11	5	16	0	0	0	11	5	16	0	0	0	361	98%
15:00 to 15:15	8	2	10	109	38%	13	2	15	0	0	0	13	2	15	1	2	3	360	98%
15:15 to 15:30	4	5	9	108	38%	4	6	10	0	0	0	4	6	10	0	0	0	360	98%
15:30 to 15:45	2	5	7	105	37%	4	10	14	0	0	0	4	10	14	0	0	0	360	98%
15:45 to 16:00	0	4	4	101	35%	0	4	4	0	0	0	0	4	4	0	1	1	359	97%
16:00 to 16:15	1	4	5	98	34%	2	9	11	0	0	0	2	9	11	1	0	1	360	98%
16:15 to 16:30	3	1	4	100	35%	10	2	12	3	0	3	13	2	15	0	0	0	360	98%
16:30 to 16:45	1	2	3	99	35%	6	4	10	0	4	4	6	8	14	0	0	0	360	98%
16:45 to 17:00	0	0	0	99	35%	0	0	0	1	0	1	1	0	1	1	0	1	361	98%
17:00 to 17:15	3	4	7	98	34%	7	7	14	0	2	2	7	9	16	0	0	0	361	98%
17:15 to 17:30	4	5	9	97	34%	5	8	13	0	0	0	5	8	13	0	1	1	360	98%
17:30 to 17:45	2	5	7	94	33%	3	7	10	2	0	2	5	7	12	0	0	0	360	98%
17:45 to 18:00	4	4	8	94	33%	9	12	21	0	0	0	9	12	21	0	0	0	360	98%
18:00 to 18:15	0	0	0	94	33%	0	0	0	0	0	0	0	0	0	0	0	0	360	98%
18:15 to 18:30	0	0	0	94	33%	0	0	0	0	0	0	0	0	0	0	0	0	360	98%
18:30 to 18:45	0	0	0	94	33%	0	0	0	0	0	0	0	0	0	0	0	0	360	98%
18:45 to 19:00	0	0	0	94	33%	0	0	0	0	0	0	0	0	0	0	0	0	360	98%

Table 3.4: MA01 Survey Results (Saturday hourly data)

Time Period		Vehicle-based Trips					Person-based Trips										Vessel Movements				
		In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied	
							In	Out	Total	In	Out	Total	In	Out	Total						
8:00	to 9:00	7	3	10	88	31%	8	3	11	1	0	1	9	3	12	0	1	1	368	100%	
8:15	to 9:15	9	3	12	90	31%	10	3	13	3	0	3	13	3	16	0	1	1	368	100%	
8:30	to 9:30	15	4	19	95	33%	18	4	22	3	0	3	21	4	25	0	2	2	367	99%	
8:45	to 9:45	14	3	17	96	34%	18	3	21	2	0	2	20	3	23	0	1	1	367	99%	
9:00	to 10:00	12	6	18	96	34%	15	7	22	2	0	2	17	7	24	1	2	3	367	99%	
9:15	to 10:15	13	8	21	96	34%	18	9	27	0	0	0	18	9	27	1	3	4	366	99%	
9:30	to 10:30	8	11	19	96	34%	12	14	26	0	0	0	12	14	26	1	3	4	366	99%	
9:45	to 10:45	6	10	16	95	33%	9	13	22	0	0	0	9	13	22	2	4	6	366	99%	
10:00	to 11:00	4	6	10	95	33%	7	8	15	0	0	0	7	8	15	1	3	4	365	99%	
10:15	to 11:15	2	4	6	93	33%	3	6	9	0	0	0	3	6	9	1	2	3	364	99%	
10:30	to 11:30	2	1	3	93	33%	2	1	3	0	0	0	2	1	3	2	3	5	364	99%	
10:45	to 11:45	4	1	5	95	33%	5	1	6	0	0	0	5	1	6	1	3	4	364	99%	
11:00	to 12:00	4	4	8	95	33%	5	7	12	0	0	0	5	7	12	2	3	5	364	99%	
11:15	to 12:15	6	8	14	95	33%	9	13	22	3	0	3	12	13	25	2	3	5	363	98%	
11:30	to 12:30	10	9	19	95	33%	14	14	28	3	0	3	17	14	31	1	1	2	363	98%	
11:45	to 12:45	14	12	26	97	34%	18	19	37	3	0	3	21	19	40	1	0	1	363	98%	
12:00	to 13:00	19	11	30	100	35%	24	15	39	3	0	3	27	15	42	1	1	2	363	98%	
12:15	to 13:15	20	8	28	103	36%	23	12	35	0	0	0	23	12	35	1	2	3	363	98%	
12:30	to 13:30	17	10	27	103	36%	21	15	36	0	0	0	21	15	36	2	2	4	363	98%	
12:45	to 13:45	15	11	26	103	36%	23	16	39	0	0	0	23	16	39	2	2	4	363	98%	
13:00	to 14:00	13	12	25	103	36%	24	20	44	0	0	0	24	20	44	2	3	5	363	98%	
13:15	to 14:15	12	11	23	104	36%	26	17	43	0	0	0	26	17	43	2	3	5	363	98%	
13:30	to 14:30	14	10	24	105	37%	28	19	47	0	0	0	28	19	47	2	3	5	363	98%	
13:45	to 14:45	13	12	25	105	37%	27	21	48	0	0	0	27	21	48	2	4	6	362	98%	
14:00	to 15:00	15	13	28	105	37%	31	20	51	0	0	0	31	20	51	1	2	3	362	98%	
14:15	to 15:15	20	15	35	109	38%	38	22	60	0	0	0	38	22	60	2	3	5	362	98%	
14:30	to 15:30	20	17	37	109	38%	36	21	57	0	0	0	36	21	57	1	3	4	361	98%	
14:45	to 15:45	19	16	35	109	38%	32	23	55	0	0	0	32	23	55	1	2	3	361	98%	
15:00	to 16:00	14	16	30	109	38%	21	22	43	0	0	0	21	22	43	1	3	4	360	98%	
15:15	to 16:15	7	18	25	108	38%	10	29	39	0	0	0	10	29	39	1	1	2	360	98%	
15:30	to 16:30	6	14	20	105	37%	16	25	41	3	0	3	19	25	44	1	1	2	360	98%	
15:45	to 16:45	5	11	16	101	35%	18	19	37	3	4	7	21	23	44	1	1	2	360	98%	
16:00	to 17:00	5	7	12	100	35%	18	15	33	4	4	8	22	19	41	2	0	2	361	98%	
16:15	to 17:15	7	7	14	100	35%	23	13	36	4	6	10	27	19	46	1	0	1	361	98%	
16:30	to 17:30	8	11	19	99	35%	18	19	37	1	6	7	19	25	44	1	1	2	361	98%	
16:45	to 17:45	9	14	23	99	35%	15	22	37	3	2	5	18	24	42	1	1	2	361	98%	
17:00	to 18:00	13	18	31	98	34%	24	34	58	2	2	4	26	36	62	0	1	1	361	98%	
17:15	to 18:15	10	14	24	97	34%	17	27	44	2	0	2	19	27	46	0	1	1	360	98%	
17:30	to 18:30	6	9	15	94	33%	12	19	31	2	0	2	14	19	33	0	0	0	360	98%	
17:45	to 18:45	4	4	8	94	33%	9	12	21	0	0	0	9	12	21	0	0	0	360	98%	
18:00	to 19:00	0	0	0	94	33%	0	0	0	0	0	0	0	0	0	0	0	0	360	98%	

 Network AM peak hour
 Site peak hour

Figure 3.4: MA01 Survey Results (Saturday) – Vehicle Trips

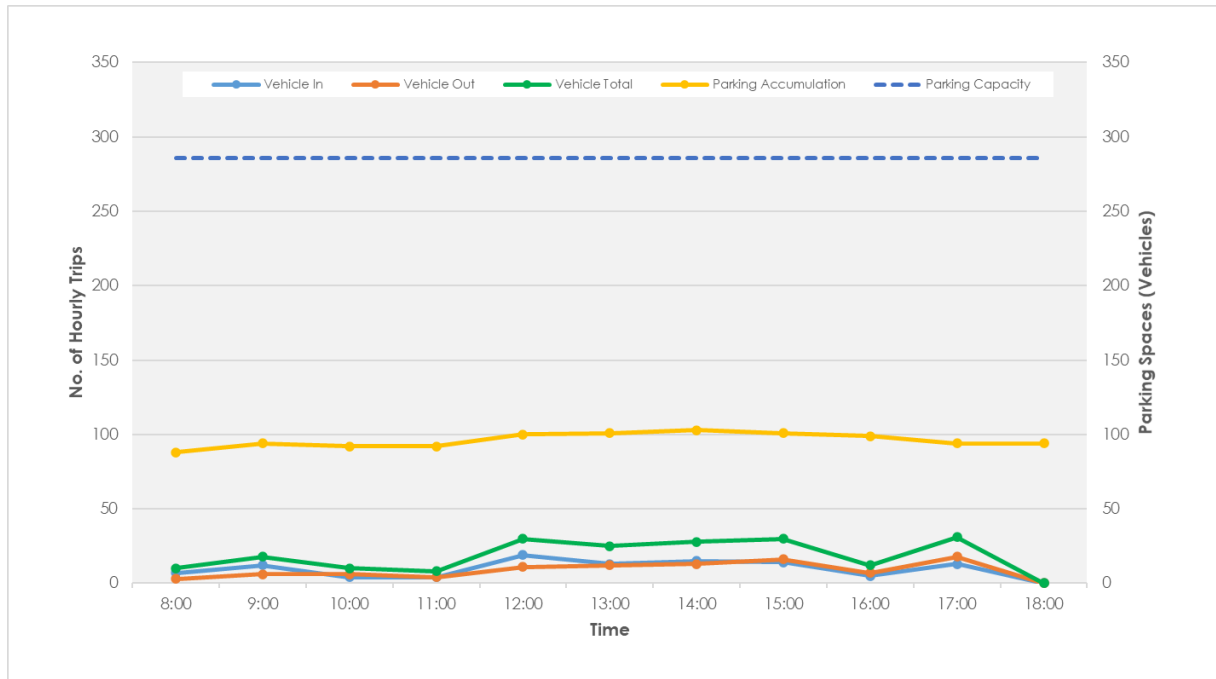


Figure 3.5: MA01 Survey Results (Saturday) – Person Trips

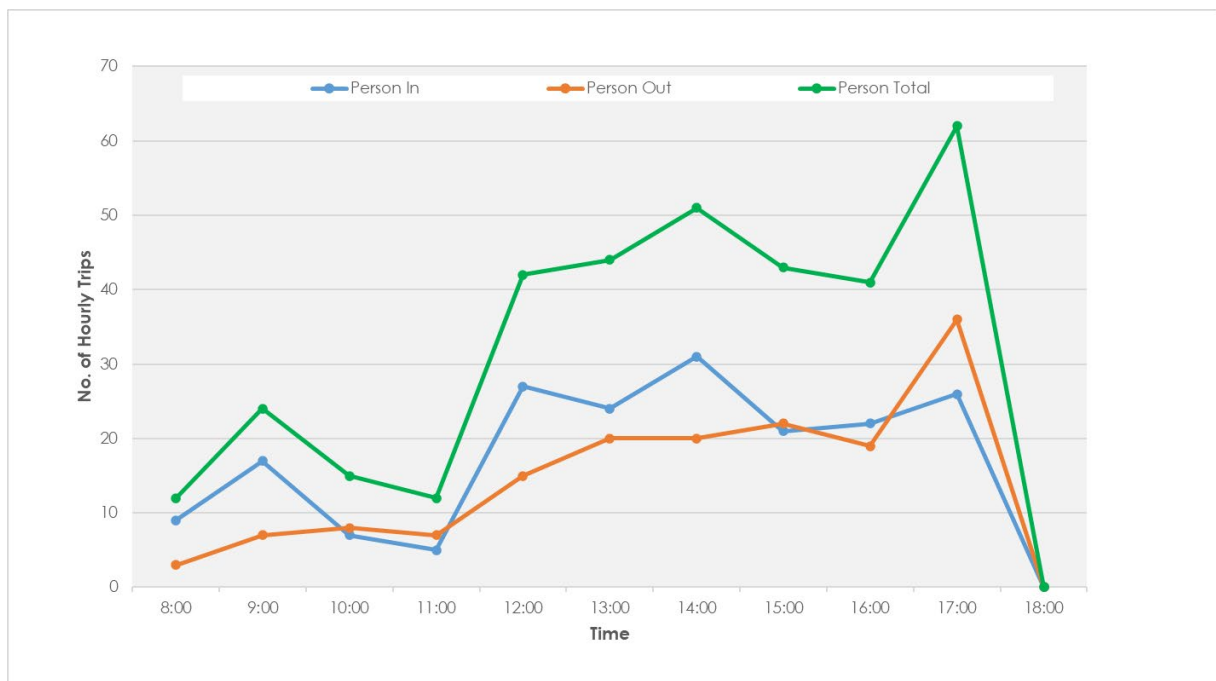


Figure 3.6: MA01 Survey Results (Saturday) – Vessel Movements

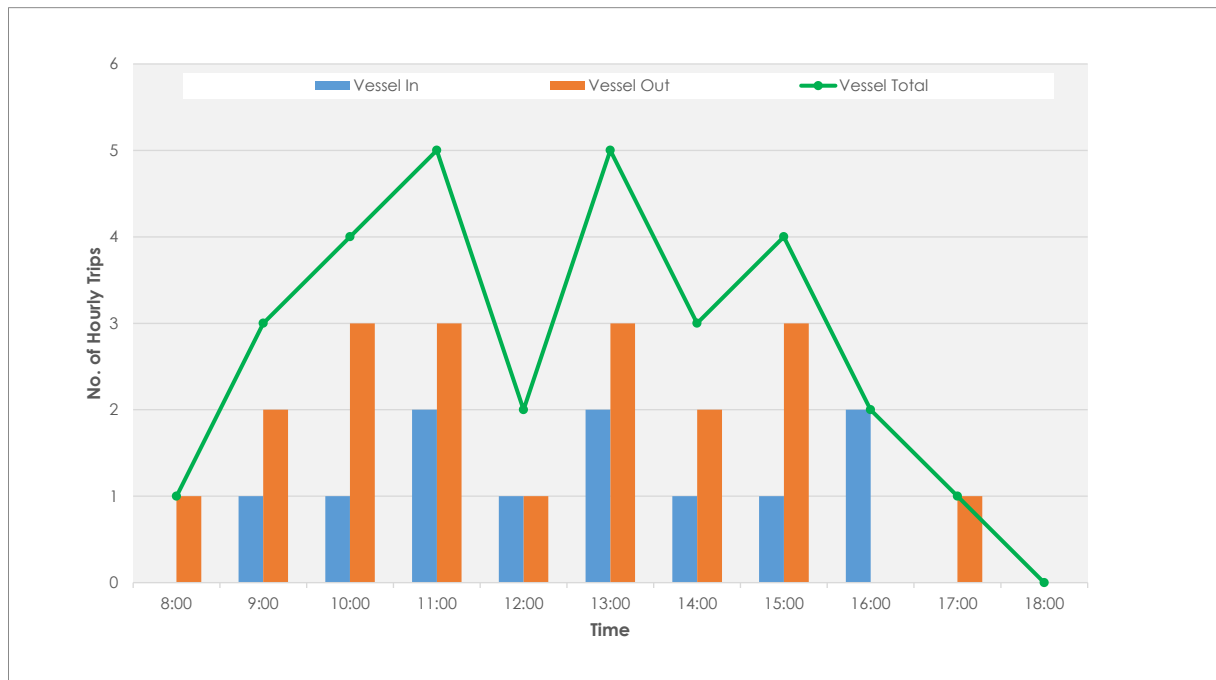


Table 3.5: MA01 Survey Results (Sunday 15-minute data)

Time Period	Vehicle-based Trips						Person-based Trips									Vessel Movements				
	In	Out	Total	Max Accumulation	% Occupied		Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied
8:00 to 8:15	0	0	0	103	36%		0	0	0	0	0	0	0	0	0	0	0	0	362	98%
8:15 to 8:30	0	0	0	103	36%		0	0	0	0	0	0	0	0	0	0	0	0	362	98%
8:30 to 8:45	4	1	5	106	37%		6	1	7	0	0	0	6	1	7	0	0	0	362	98%
8:45 to 9:00	3	2	5	107	37%		7	3	10	1	0	1	8	3	11	2	1	3	363	98%
9:00 to 9:15	5	1	6	111	39%		7	1	8	0	0	0	7	1	8	0	1	1	362	98%
9:15 to 9:30	2	4	6	109	38%		7	5	12	2	0	2	9	5	14	1	0	1	363	98%
9:30 to 9:45	5	2	7	112	39%		6	2	8	1	1	2	7	3	10	0	2	2	361	98%
9:45 to 10:00	3	4	7	111	39%		3	4	7	1	0	1	4	4	8	2	0	2	363	98%
10:00 to 10:15	6	2	8	115	40%		14	5	19	0	0	0	14	5	19	1	0	1	364	99%
10:15 to 10:30	1	0	1	116	41%		1	0	1	0	0	0	1	0	1	0	2	2	362	98%
10:30 to 10:45	3	1	4	118	41%		3	2	5	0	0	0	3	2	5	1	0	1	363	98%
10:45 to 11:00	4	1	5	121	42%		9	1	10	0	0	0	9	1	10	1	2	3	362	98%
11:00 to 11:15	3	2	5	122	43%		3	8	11	0	2	2	3	10	13	1	0	1	363	98%
11:15 to 11:30	0	3	3	119	42%		0	7	7	2	0	2	2	7	9	1	0	1	364	99%
11:30 to 11:45	1	2	3	118	41%		2	2	4	0	0	0	2	2	4	0	0	0	364	99%
11:45 to 12:00	1	3	4	116	41%		3	3	6	0	0	0	3	3	6	3	1	4	366	99%
12:00 to 12:15	2	1	3	117	41%		2	1	3	0	0	0	2	1	3	0	0	0	366	99%
12:15 to 12:30	0	1	1	116	41%		0	2	2	0	0	0	0	2	2	1	2	3	365	99%
12:30 to 12:45	2	3	5	115	40%		3	5	8	0	2	2	3	7	10	1	1	2	365	99%
12:45 to 13:00	4	1	5	118	41%		9	1	10	0	0	0	9	1	10	1	0	1	366	99%
13:00 to 13:15	3	0	3	121	42%		4	0	4	0	0	0	4	0	4	0	1	1	365	99%
13:15 to 13:30	1	2	3	120	42%		3	2	5	0	0	0	3	2	5	0	1	1	364	99%
13:30 to 13:45	5	2	7	123	43%		6	9	15	0	0	0	6	9	15	0	0	0	364	99%
13:45 to 14:00	3	3	6	123	43%		6	1	7	3	3	6	9	4	13	1	1	2	364	99%
14:00 to 14:15	4	2	6	125	44%		12	2	14	1	0	1	13	2	15	2	0	2	366	99%
14:15 to 14:30	4	1	5	128	45%		6	7	13	0	0	0	6	7	13	1	0	1	367	99%
14:30 to 14:45	2	4	6	126	44%		3	2	5	0	0	0	3	2	5	0	0	0	367	99%
14:45 to 15:00	1	2	3	125	44%		1	2	3	0	0	0	1	2	3	0	1	1	366	99%
15:00 to 15:15	1	2	3	124	43%		2	11	13	2	0	2	4	11	15	0	0	0	366	99%
15:15 to 15:30	0	5	5	119	42%		0	4	4	0	4	4	0	8	8	0	1	1	365	99%
15:30 to 15:45	2	3	5	118	41%		6	6	12	0	0	0	6	6	12	1	0	1	366	99%
15:45 to 16:00	0	3	3	115	40%		0	1	1	0	3	3	0	4	4	0	1	1	365	99%
16:00 to 16:15	3	2	5	116	41%		4	4	8	0	0	0	4	4	8	2	2	4	365	99%
16:15 to 16:30	2	4	6	114	40%		3	5	8	0	0	0	3	5	8	0	0	0	365	99%
16:30 to 16:45	5	2	7	117	41%		10	1	11	2	2	4	12	3	15	2	1	3	366	99%
16:45 to 17:00	2	2	4	117	41%		5	2	7	1	0	1	6	2	8	0	0	0	366	99%
17:00 to 17:15	3	4	7	116	41%		8	6	14	1	1	2	9	7	16	1	0	1	367	99%
17:15 to 17:30	2	2	4	116	41%		2	3	5	0	2	2	2	5	7	0	0	0	367	99%
17:30 to 17:45	0	0	0	116	41%		0	0	0	0	1	1	0	1	1	1	0	1	368	100%
17:45 to 18:00	1	1	2	116	41%		2	2	4	0	0	0	2	2	4	0	0	0	368	100%
18:00 to 18:15	0	0	0	116	41%		0	0	0	0	0	0	0	0	0	0	0	0	368	100%
18:15 to 18:30	0	0	0	116	41%		0	0	0	0	0	0	0	0	0	0	0	0	368	100%
18:30 to 18:45	0	0	0	116	41%		0	0	0	0	0	0	0	0	0	0	0	0	368	100%
18:45 to 19:00	0	0	0	116	41%		0	0	0	0	0	0	0	0	0	0	0	0	368	100%

Table 3.6: MA01 Survey Results (Sunday hourly data)

Time Period			Vehicle-based Trips					Person-based Trips												Vessel Movements				
			In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied			
								In	Out	Total	In	Out	Total	In	Out	Total								
8:00	to	9:00	7	3	10	107	37%	13	4	17	1	0	1	14	4	18	2	1	3	363	98%			
8:15	to	9:15	12	4	16	111	39%	20	5	25	1	0	1	21	5	26	2	2	4	363	98%			
8:30	to	9:30	14	8	22	111	39%	27	10	37	3	0	3	30	10	40	3	2	5	363	98%			
8:45	to	9:45	15	9	24	112	39%	27	11	38	4	1	5	31	12	43	3	4	7	363	98%			
9:00	to	10:00	15	11	26	112	39%	23	12	35	4	1	5	27	13	40	3	3	6	363	98%			
9:15	to	10:15	16	12	28	115	40%	30	16	46	4	1	5	34	17	51	4	2	6	364	99%			
9:30	to	10:30	15	8	23	116	41%	24	11	35	2	1	3	26	12	38	3	4	7	364	99%			
9:45	to	10:45	13	7	20	118	41%	21	11	32	1	0	1	22	11	33	4	2	6	364	99%			
10:00	to	11:00	14	4	18	121	42%	27	8	35	0	0	0	27	8	35	3	4	7	364	99%			
10:15	to	11:15	11	4	15	122	43%	16	11	27	0	2	2	16	13	29	3	4	7	363	98%			
10:30	to	11:30	10	7	17	122	43%	15	18	33	2	2	4	17	20	37	4	2	6	364	99%			
10:45	to	11:45	8	8	16	122	43%	14	18	32	2	2	4	16	20	36	3	2	5	364	99%			
11:00	to	12:00	5	10	15	122	43%	8	20	28	2	2	4	10	22	32	5	1	6	366	99%			
11:15	to	12:15	4	9	13	119	42%	7	13	20	2	0	2	9	13	22	4	1	5	366	99%			
11:30	to	12:30	4	7	11	118	41%	7	8	15	0	0	0	7	8	15	4	3	7	366	99%			
11:45	to	12:45	5	8	13	117	41%	8	11	19	0	2	2	8	13	21	5	4	9	366	99%			
12:00	to	13:00	8	6	14	118	41%	14	9	23	0	2	2	14	11	25	3	3	6	366	99%			
12:15	to	13:15	9	5	14	121	42%	16	8	24	0	2	2	16	10	26	3	4	7	366	99%			
12:30	to	13:30	10	6	16	121	42%	19	8	27	0	2	2	19	10	29	2	3	5	366	99%			
12:45	to	13:45	13	5	18	123	43%	22	12	34	0	0	0	22	12	34	1	2	3	366	99%			
13:00	to	14:00	12	7	19	123	43%	19	12	31	3	3	6	22	15	37	1	3	4	365	99%			
13:15	to	14:15	13	9	22	125	44%	27	14	41	4	3	7	31	17	48	3	2	5	366	99%			
13:30	to	14:30	16	8	24	128	45%	30	19	49	4	3	7	34	22	56	4	1	5	367	99%			
13:45	to	14:45	13	10	23	128	45%	27	12	39	4	3	7	31	15	46	4	1	5	367	99%			
14:00	to	15:00	11	9	20	128	45%	22	13	35	1	0	1	23	13	36	3	1	4	367	99%			
14:15	to	15:15	8	9	17	128	45%	12	22	34	2	0	2	14	22	36	1	1	2	367	99%			
14:30	to	15:30	4	13	17	126	44%	6	19	25	2	4	6	8	23	31	0	2	2	367	99%			
14:45	to	15:45	4	12	16	125	44%	9	23	32	2	4	6	11	27	38	1	2	3	366	99%			
15:00	to	16:00	3	13	16	124	43%	8	22	30	2	7	9	10	29	39	1	2	3	366	99%			
15:15	to	16:15	5	13	18	119	42%	10	15	25	0	7	7	10	22	32	3	4	7	366	99%			
15:30	to	16:30	7	12	19	118	41%	13	16	29	0	3	3	13	19	32	3	3	6	366	99%			
15:45	to	16:45	10	11	21	117	41%	17	11	28	2	5	7	19	16	35	4	4	8	366	99%			
16:00	to	17:00	12	10	22	117	41%	22	12	34	3	2	5	25	14	39	4	3	7	366	99%			
16:15	to	17:15	12	12	24	117	41%	26	14	40	4	3	7	30	17	47	3	1	4	367	99%			
16:30	to	17:30	12	10	22	117	41%	25	12	37	4	5	9	29	17	46	3	1	4	367	99%			
16:45	to	17:45	7	8	15	117	41%	15	11	26	2	4	6	17	15	32	2	0	2	368	100%			
17:00	to	18:00	6	7	13	116	41%	12	11	23	1	4	5	13	15	28	2	0	2	368	100%			
17:15	to	18:15	3	3	6	116	41%	4	5	9	0	3	3	4	8	12	1	0	1	368	100%			
17:30	to	18:30	1	1	2	116	41%	2	2	4	0	1	1	2	3	5	1	0	1	368	100%			
17:45	to	18:45	1	1	2	116	41%	2	2	4	0	0	0	2	2	4	0	0	0	368	100%			
18:00	to	19:00	0	0	0	116	41%	0	0	0	0	0	0	0	0	0	0	0	0	368	100%			

 Network AM peak hour
 Site peak hour

Figure 3.7: MA01 Survey Results (Sunday) – Vehicle Trips

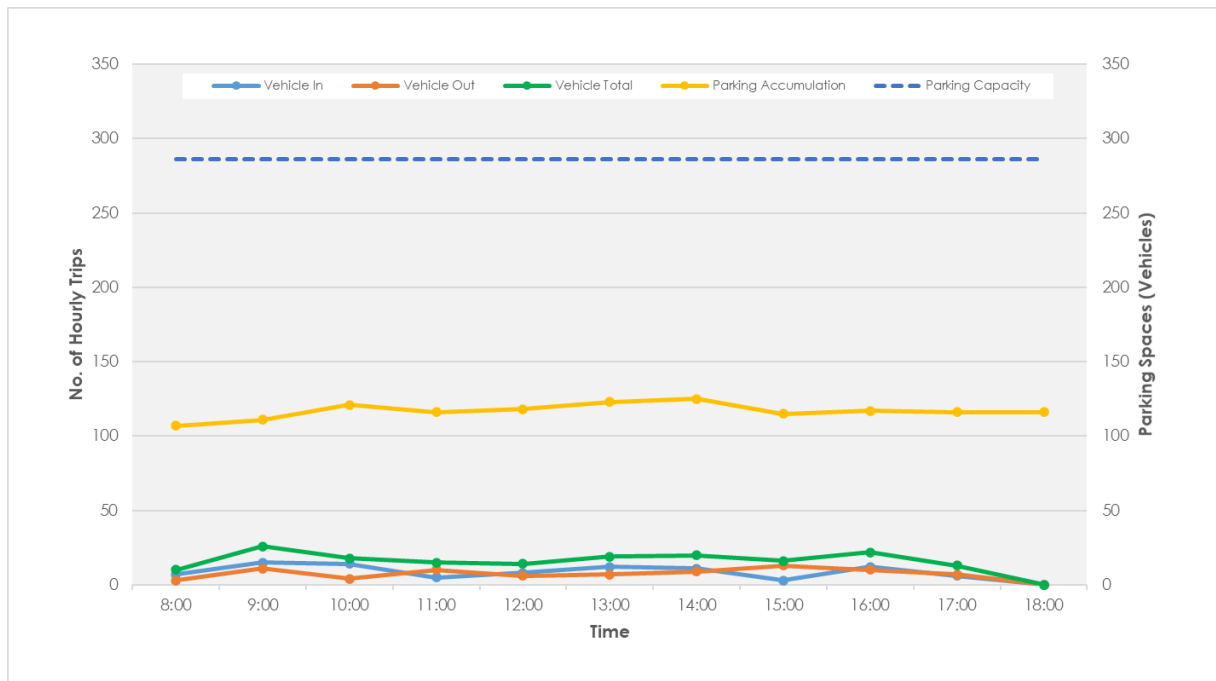


Figure 3.8: MA01 Survey Results (Sunday) – Person Trips

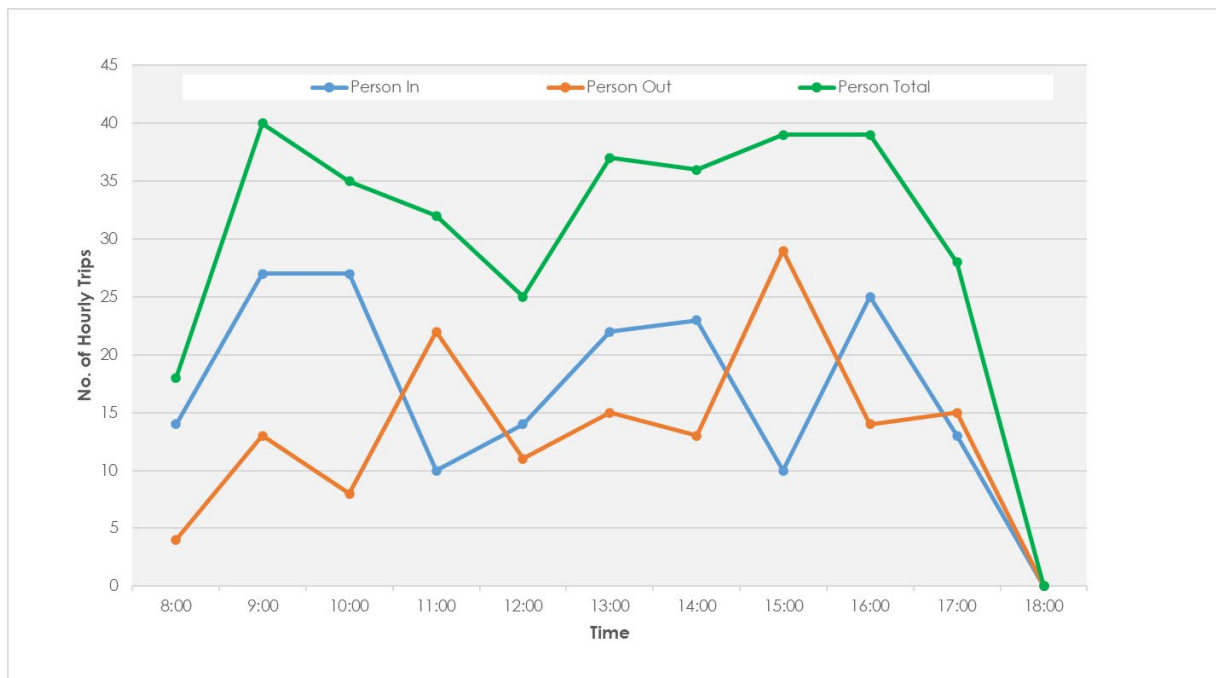
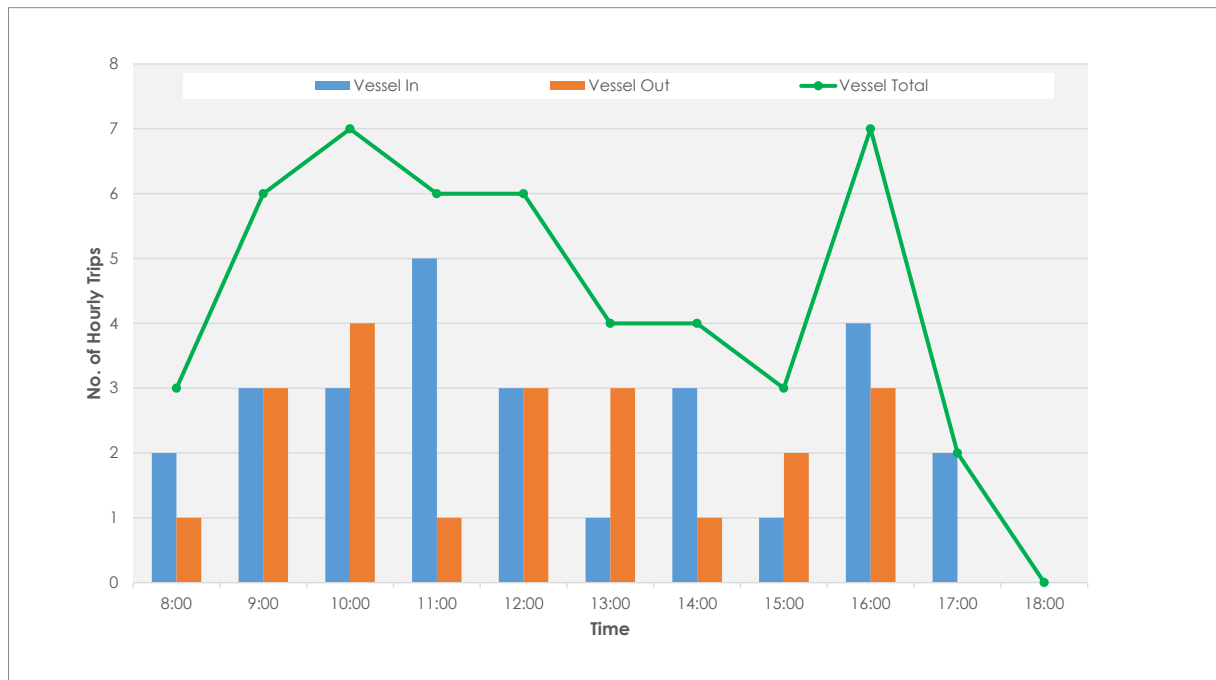


Figure 3.9: MA01 Survey Results (Sunday) – Vessel Movements



3.1.2 MA02 - Burraneer Bay Marina

Table 3.7: MA02 Survey Results (Friday 15-minute data)

Time Period	Vehicle-based Trips						Person-based Trips									Vessel Movements				
	In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied	
						In	Out	Total	In	Out	Total	In	Out	Total						
8:00 to 8:15	1	0	1	10	19%	1	0	1	0	0	0	1	0	1	0	0	0	283	100%	
8:15 to 8:30	0	0	0	10	19%	0	0	0	0	0	0	0	0	0	0	0	0	283	100%	
8:30 to 8:45	1	0	1	11	21%	2	0	2	0	0	0	2	0	2	0	0	0	283	100%	
8:45 to 9:00	3	0	3	14	27%	2	0	2	0	0	0	2	0	2	0	0	0	283	100%	
9:00 to 9:15	1	0	1	15	29%	2	0	2	0	0	0	2	0	2	0	0	0	283	100%	
9:15 to 9:30	2	0	2	17	33%	1	0	1	0	0	0	1	0	1	0	0	0	283	100%	
9:30 to 9:45	3	1	4	19	37%	2	0	2	0	0	0	2	0	2	0	0	0	283	100%	
9:45 to 10:00	0	1	1	18	35%	0	2	2	0	0	0	0	2	2	0	1	1	282	100%	
10:00 to 10:15	1	1	2	18	35%	1	2	3	0	0	0	1	2	3	0	0	0	282	100%	
10:15 to 10:30	2	0	2	20	38%	2	0	2	0	0	0	2	0	2	0	0	0	282	100%	
10:30 to 10:45	2	1	3	21	40%	2	1	3	0	0	0	2	1	3	1	0	1	283	100%	
10:45 to 11:00	1	2	3	20	38%	1	1	2	0	0	0	1	1	2	0	0	0	283	100%	
11:00 to 11:15	0	0	0	20	38%	0	0	0	0	0	0	0	0	0	0	0	0	283	100%	
11:15 to 11:30	1	2	3	19	37%	1	2	3	0	0	0	1	2	3	0	0	0	283	100%	
11:30 to 11:45	0	1	1	18	35%	0	1	1	0	0	0	0	1	1	0	1	1	282	100%	
11:45 to 12:00	0	0	0	18	35%	0	0	0	0	0	0	0	0	0	0	0	0	282	100%	
12:00 to 12:15	1	2	3	17	33%	1	2	3	0	0	0	1	2	3	0	0	0	282	100%	
12:15 to 12:30	0	2	2	15	29%	0	2	2	0	0	0	0	2	2	0	0	0	282	100%	
12:30 to 12:45	0	0	0	15	29%	0	0	0	0	0	0	0	0	0	0	0	0	282	100%	
12:45 to 13:00	0	1	1	14	27%	0	1	1	0	0	0	0	1	1	0	0	0	282	100%	
13:00 to 13:15	1	2	3	13	25%	1	2	3	0	0	0	1	2	3	1	1	2	282	100%	
13:15 to 13:30	1	3	4	11	21%	1	1	2	0	0	0	1	1	2	0	0	0	282	100%	
13:30 to 13:45	1	1	2	11	21%	1	1	2	0	0	0	1	1	2	0	0	0	282	100%	
13:45 to 14:00	1	0	1	12	23%	1	0	1	0	0	0	1	0	1	0	0	0	282	100%	
14:00 to 14:15	2	1	3	13	25%	2	1	3	0	0	0	2	1	3	0	0	0	282	100%	
14:15 to 14:30	1	2	3	12	23%	1	1	2	0	0	0	1	1	2	1	1	2	282	100%	
14:30 to 14:45	1	1	2	12	23%	1	1	2	0	0	0	1	1	2	0	0	0	282	100%	
14:45 to 15:00	1	1	2	12	23%	0	1	1	0	0	0	0	1	1	0	0	0	282	100%	
15:00 to 15:15	2	3	5	11	21%	1	2	3	0	0	0	1	2	3	0	0	0	282	100%	
15:15 to 15:30	1	1	2	11	21%	1	1	2	0	0	0	1	1	2	0	1	1	281	99%	
15:30 to 15:45	2	2	4	11	21%	2	2	4	0	0	0	2	2	4	0	0	0	281	99%	
15:45 to 16:00	1	1	2	11	21%	1	0	1	0	0	0	1	0	1	0	0	0	281	99%	
16:00 to 16:15	0	0	0	11	21%	0	0	0	0	0	0	0	0	0	0	0	0	281	99%	
16:15 to 16:30	0	0	0	11	21%	0	0	0	0	0	0	0	0	0	0	0	0	281	99%	
16:30 to 16:45	0	0	0	11	21%	0	0	0	0	0	0	0	0	0	0	0	0	281	99%	
16:45 to 17:00	0	0	0	11	21%	0	0	0	0	0	0	0	0	0	0	0	0	281	99%	
17:00 to 17:15	0	0	0	11	21%	0	0	0	0	0	0	0	0	0	0	0	0	281	99%	
17:15 to 17:30	0	0	0	11	21%	0	0	0	0	0	0	0	0	0	0	0	0	281	99%	
17:30 to 17:45	0	0	0	11	21%	0	0	0	0	0	0	0	0	0	0	0	0	281	99%	
17:45 to 18:00	0	0	0	11	21%	0	0	0	0	0	0	0	0	0	0	0	0	281	99%	
18:00 to 18:15	0	0	0	11	21%	0	0	0	0	0	0	0	0	0	0	0	0	281	99%	
18:15 to 18:30	0	0	0	11	21%	0	0	0	0	0	0	0	0	0	0	0	0	281	99%	
18:30 to 18:45	0	0	0	11	21%	0	0	0	0	0	0	0	0	0	0	0	0	281	99%	
18:45 to 19:00	0	0	0	11	21%	0	0	0	0	0	0	0	0	0	0	0	0	281	99%	

Table 3.8: MA02 Survey Results (Friday hourly data)

Time Period		Vehicle-based Trips					Person-based Trips									Vessel Movements				
		In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied
							In	Out	Total	In	Out	Total	In	Out	Total					
8:00	to 9:00	5	0	5	14	27%	5	0	5	0	0	0	5	0	5	0	0	0	283	100%
8:15	to 9:15	5	0	5	15	29%	6	0	6	0	0	0	6	0	6	0	0	0	283	100%
8:30	to 9:30	7	0	7	17	33%	7	0	7	0	0	0	7	0	7	0	0	0	283	100%
8:45	to 9:45	9	1	10	19	37%	7	0	7	0	0	0	7	0	7	0	0	0	283	100%
9:00	to 10:00	6	2	8	19	37%	5	2	7	0	0	0	5	2	7	0	1	1	283	100%
9:15	to 10:15	6	3	9	19	37%	4	4	8	0	0	0	4	4	8	0	1	1	283	100%
9:30	to 10:30	6	3	9	20	38%	5	4	9	0	0	0	5	4	9	0	1	1	283	100%
9:45	to 10:45	5	3	8	21	40%	5	5	10	0	0	0	5	5	10	1	1	2	283	100%
10:00	to 11:00	6	4	10	21	40%	6	4	10	0	0	0	6	4	10	1	0	1	283	100%
10:15	to 11:15	5	3	8	21	40%	5	2	7	0	0	0	5	2	7	1	0	1	283	100%
10:30	to 11:30	4	5	9	21	40%	4	4	8	0	0	0	4	4	8	1	0	1	283	100%
10:45	to 11:45	2	5	7	20	38%	2	4	6	0	0	0	2	4	6	0	1	1	283	100%
11:00	to 12:00	1	3	4	20	38%	1	3	4	0	0	0	1	3	4	0	1	1	283	100%
11:15	to 12:15	2	5	7	19	37%	2	5	7	0	0	0	2	5	7	0	1	1	283	100%
11:30	to 12:30	1	5	6	18	35%	1	5	6	0	0	0	1	5	6	0	1	1	282	100%
11:45	to 12:45	1	4	5	18	35%	1	4	5	0	0	0	1	4	5	0	0	0	282	100%
12:00	to 13:00	1	5	6	17	33%	1	5	6	0	0	0	1	5	6	0	0	0	282	100%
12:15	to 13:15	1	5	6	15	29%	1	5	6	0	0	0	1	5	6	1	1	2	282	100%
12:30	to 13:30	2	6	8	15	29%	2	4	6	0	0	0	2	4	6	1	1	2	282	100%
12:45	to 13:45	3	7	10	14	27%	3	5	8	0	0	0	3	5	8	1	1	2	282	100%
13:00	to 14:00	4	6	10	13	25%	4	4	8	0	0	0	4	4	8	1	1	2	282	100%
13:15	to 14:15	5	5	10	13	25%	5	3	8	0	0	0	5	3	8	0	0	0	282	100%
13:30	to 14:30	5	4	9	13	25%	5	3	8	0	0	0	5	3	8	1	1	2	282	100%
13:45	to 14:45	5	4	9	13	25%	5	3	8	0	0	0	5	3	8	1	1	2	282	100%
14:00	to 15:00	5	5	10	13	25%	4	4	8	0	0	0	4	4	8	1	1	2	282	100%
14:15	to 15:15	5	7	12	12	23%	3	5	8	0	0	0	3	5	8	1	1	2	282	100%
14:30	to 15:30	5	6	11	12	23%	3	5	8	0	0	0	3	5	8	0	1	1	282	100%
14:45	to 15:45	6	7	13	12	23%	4	6	10	0	0	0	4	6	10	0	1	1	282	100%
15:00	to 16:00	6	7	13	11	21%	5	5	10	0	0	0	5	5	10	0	1	1	282	100%
15:15	to 16:15	4	4	8	11	21%	4	3	7	0	0	0	4	3	7	0	1	1	281	99%
15:30	to 16:30	3	3	6	11	21%	3	2	5	0	0	0	3	2	5	0	0	0	281	99%
15:45	to 16:45	1	1	2	11	21%	1	0	1	0	0	0	1	0	1	0	0	0	281	99%
16:00	to 17:00	0	0	0	11	21%	0	0	0	0	0	0	0	0	0	0	0	0	281	99%
16:15	to 17:15	0	0	0	11	21%	0	0	0	0	0	0	0	0	0	0	0	0	281	99%
16:30	to 17:30	0	0	0	11	21%	0	0	0	0	0	0	0	0	0	0	0	0	281	99%
16:45	to 17:45	0	0	0	11	21%	0	0	0	0	0	0	0	0	0	0	0	0	281	99%
17:00	to 18:00	0	0	0	11	21%	0	0	0	0	0	0	0	0	0	0	0	0	281	99%
17:15	to 18:15	0	0	0	11	21%	0	0	0	0	0	0	0	0	0	0	0	0	281	99%
17:30	to 18:30	0	0	0	11	21%	0	0	0	0	0	0	0	0	0	0	0	0	281	99%
17:45	to 18:45	0	0	0	11	21%	0	0	0	0	0	0	0	0	0	0	0	0	281	99%
18:00	to 19:00	0	0	0	11	21%	0	0	0	0	0	0	0	0	0	0	0	0	281	99%

 Network AM peak hour
 Network PM peak hour
 Site AM peak hour
 Site PM peak hour
 Site (daily) peak hour

Figure 3.10: MA02 Survey Results (Friday) – Vehicle Trips

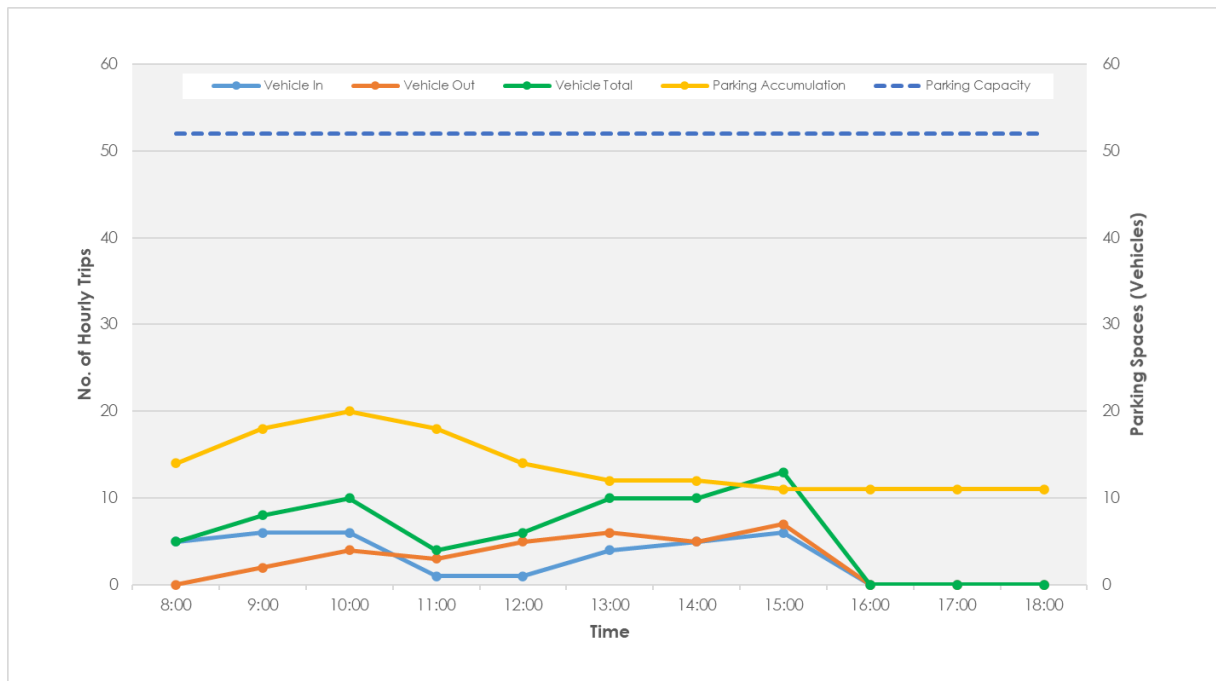


Figure 3.11: MA02 Survey Results (Friday) – Person Trips



Figure 3.12: MA02 Survey Results (Friday) – Vessel Movements

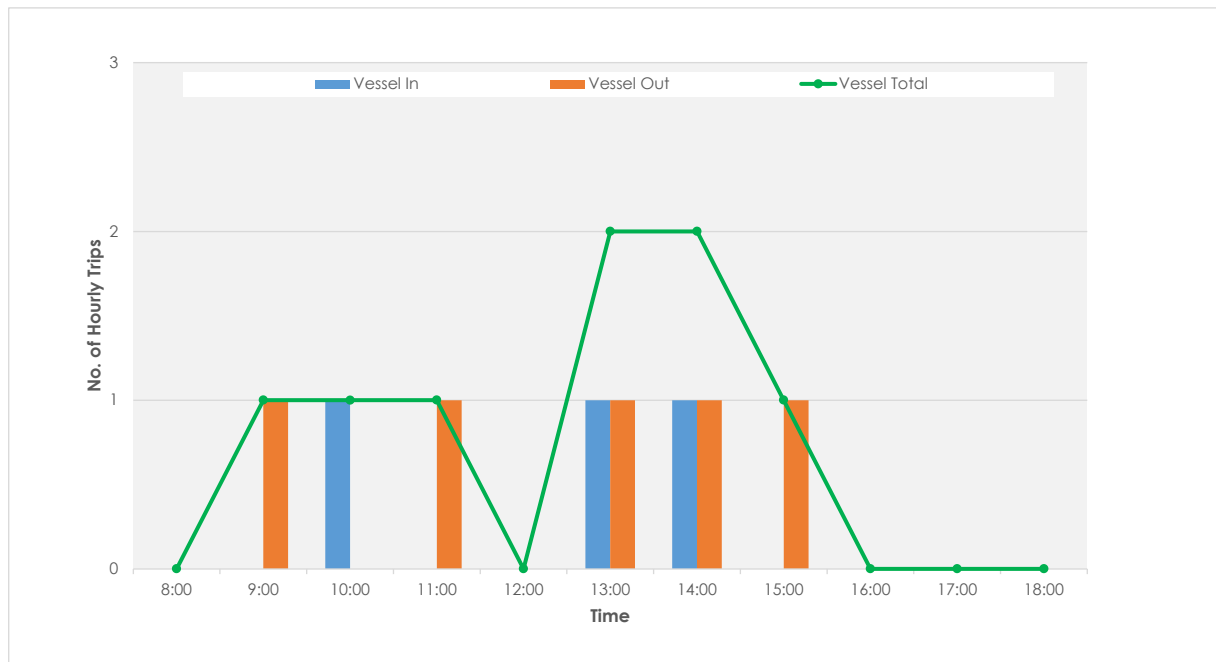


Table 3.9: MA02 Survey Results (Saturday 15-minute data)

Time Period	Vehicle-based Trips						Person-based Trips									Vessel Movements				
	In	Out	Total	Max Accumulation	% Occupied		Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied
8:00 to 8:15	0	0	0	5	10%		0	0	0	0	0	0	0	0	0	0	0	0	257	91%
8:15 to 8:30	2	0	2	7	13%		2	0	2	0	0	0	2	0	2	0	0	0	257	91%
8:30 to 8:45	0	0	0	7	13%		0	0	0	0	0	0	0	0	0	1	0	1	258	91%
8:45 to 9:00	1	0	1	8	15%		1	0	1	0	0	0	1	0	1	0	1	1	257	91%
9:00 to 9:15	2	0	2	10	19%		2	0	2	0	0	0	2	0	2	0	0	0	257	91%
9:15 to 9:30	1	1	2	10	19%		1	1	2	0	0	0	1	1	2	1	0	1	258	91%
9:30 to 9:45	0	0	0	10	19%		0	0	0	0	0	0	0	0	0	0	0	0	258	91%
9:45 to 10:00	0	1	1	9	17%		0	1	1	0	0	0	0	1	1	0	1	1	257	91%
10:00 to 10:15	0	1	1	8	15%		0	1	1	0	0	0	0	1	1	0	0	0	257	91%
10:15 to 10:30	1	1	2	8	15%		1	1	2	0	0	0	1	1	2	0	0	0	257	91%
10:30 to 10:45	2	0	2	10	19%		2	0	2	0	0	0	2	0	2	0	0	0	257	91%
10:45 to 11:00	0	0	0	10	19%		0	0	0	0	0	0	0	0	0	0	0	0	257	91%
11:00 to 11:15	0	0	0	10	19%		0	0	0	0	0	0	0	0	0	0	0	0	257	91%
11:15 to 11:30	0	0	0	10	19%		0	0	0	0	0	0	0	0	0	0	0	0	257	91%
11:30 to 11:45	1	0	1	11	21%		1	0	1	0	0	0	1	0	1	0	0	0	257	91%
11:45 to 12:00	0	1	1	10	19%		0	1	1	0	0	0	0	1	1	0	0	0	257	91%
12:00 to 12:15	1	2	3	9	17%		1	2	3	0	0	0	1	2	3	0	0	0	257	91%
12:15 to 12:30	0	1	1	8	15%		0	1	1	0	0	0	0	1	1	0	0	0	257	91%
12:30 to 12:45	1	1	2	8	15%		1	1	2	0	0	0	1	1	2	0	0	0	257	91%
12:45 to 13:00	0	1	1	7	13%		0	1	1	0	0	0	0	1	1	0	0	0	257	91%
13:00 to 13:15	2	0	2	9	17%		2	0	2	0	0	0	2	0	2	0	0	0	257	91%
13:15 to 13:30	0	1	1	8	15%		0	1	1	0	0	0	0	1	1	0	0	0	257	91%
13:30 to 13:45	1	0	1	9	17%		1	0	1	0	0	0	1	0	1	0	0	0	257	91%
13:45 to 14:00	0	1	1	8	15%		0	1	1	0	0	0	0	1	1	0	0	0	257	91%
14:00 to 14:15	0	0	0	8	15%		0	0	0	0	0	0	0	0	0	0	0	0	257	91%
14:15 to 14:30	1	2	3	7	13%		1	2	3	0	0	0	1	2	3	0	0	0	257	91%
14:30 to 14:45	1	1	2	7	13%		1	1	2	0	0	0	1	1	2	0	0	0	257	91%
14:45 to 15:00	0	1	1	6	12%		0	1	1	0	0	0	0	1	1	0	0	0	257	91%
15:00 to 15:15	0	0	0	6	12%		0	0	0	0	0	0	0	0	0	0	0	0	257	91%
15:15 to 15:30	1	1	2	6	12%		1	1	2	0	0	0	1	1	2	0	0	0	257	91%
15:30 to 15:45	0	0	0	6	12%		0	0	0	0	0	0	0	0	0	0	0	0	257	91%
15:45 to 16:00	0	1	1	5	10%		0	1	1	0	0	0	0	1	1	0	0	0	257	91%
16:00 to 16:15	0	0	0	5	10%		0	0	0	0	0	0	0	0	0	0	0	0	257	91%
16:15 to 16:30	0	0	0	5	10%		0	0	0	0	0	0	0	0	0	0	0	0	257	91%
16:30 to 16:45	0	0	0	5	10%		0	0	0	0	0	0	0	0	0	0	0	0	257	91%
16:45 to 17:00	0	0	0	5	10%		0	0	0	0	0	0	0	0	0	0	0	0	257	91%
17:00 to 17:15	0	0	0	5	10%		0	0	0	0	0	0	0	0	0	0	0	0	257	91%
17:15 to 17:30	0	0	0	5	10%		0	0	0	0	0	0	0	0	0	0	0	0	257	91%
17:30 to 17:45	0	0	0	5	10%		0	0	0	0	0	0	0	0	0	0	0	0	257	91%
17:45 to 18:00	0	0	0	5	10%		0	0	0	0	0	0	0	0	0	0	0	0	257	91%
18:00 to 18:15	0	0	0	5	10%		0	0	0	0	0	0	0	0	0	0	0	0	257	91%
18:15 to 18:30	0	0	0	5	10%		0	0	0	0	0	0	0	0	0	0	0	0	257	91%
18:30 to 18:45	0	0	0	5	10%		0	0	0	0	0	0	0	0	0	0	0	0	257	91%
18:45 to 19:00	0	0	0	5	10%		0	0	0	0	0	0	0	0	0	0	0	0	257	91%

Table 3.10: MA02 Survey Results (Saturday hourly data)

Time Period	Vehicle-based Trips						Person-based Trips									Vessel Movements				
	In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied	
						In	Out	Total	In	Out	Total	In	Out	Total						
8:00 to 9:00	3	0	3	8	15%	3	0	3	0	0	0	3	0	3	1	1	2	258	91%	
8:15 to 9:15	5	0	5	10	19%	5	0	5	0	0	0	5	0	5	1	1	2	258	91%	
8:30 to 9:30	4	1	5	10	19%	4	1	5	0	0	0	4	1	5	2	1	3	258	91%	
8:45 to 9:45	4	1	5	10	19%	4	1	5	0	0	0	4	1	5	1	1	2	258	91%	
9:00 to 10:00	3	2	5	10	19%	3	2	5	0	0	0	3	2	5	1	1	2	258	91%	
9:15 to 10:15	1	3	4	10	19%	1	3	4	0	0	0	1	3	4	1	1	2	258	91%	
9:30 to 10:30	1	3	4	10	19%	1	3	4	0	0	0	1	3	4	0	1	1	258	91%	
9:45 to 10:45	3	3	6	10	19%	3	3	6	0	0	0	3	3	6	0	1	1	257	91%	
10:00 to 11:00	3	2	5	10	19%	3	2	5	0	0	0	3	2	5	0	0	0	257	91%	
10:15 to 11:15	3	1	4	10	19%	3	1	4	0	0	0	3	1	4	0	0	0	257	91%	
10:30 to 11:30	2	0	2	10	19%	2	0	2	0	0	0	2	0	2	0	0	0	257	91%	
10:45 to 11:45	1	0	1	11	21%	1	0	1	0	0	0	1	0	1	0	0	0	257	91%	
11:00 to 12:00	1	1	2	11	21%	1	1	2	0	0	0	1	1	2	0	0	0	257	91%	
11:15 to 12:15	2	3	5	11	21%	2	3	5	0	0	0	2	3	5	0	0	0	257	91%	
11:30 to 12:30	2	4	6	11	21%	2	4	6	0	0	0	2	4	6	0	0	0	257	91%	
11:45 to 12:45	2	5	7	10	19%	2	5	7	0	0	0	2	5	7	0	0	0	257	91%	
12:00 to 13:00	2	5	7	9	17%	2	5	7	0	0	0	2	5	7	0	0	0	257	91%	
12:15 to 13:15	3	3	6	9	17%	3	3	6	0	0	0	3	3	6	0	0	0	257	91%	
12:30 to 13:30	3	3	6	9	17%	3	3	6	0	0	0	3	3	6	0	0	0	257	91%	
12:45 to 13:45	3	2	5	9	17%	3	2	5	0	0	0	3	2	5	0	0	0	257	91%	
13:00 to 14:00	3	2	5	9	17%	3	2	5	0	0	0	3	2	5	0	0	0	257	91%	
13:15 to 14:15	1	2	3	9	17%	1	2	3	0	0	0	1	2	3	0	0	0	257	91%	
13:30 to 14:30	2	3	5	9	17%	2	3	5	0	0	0	2	3	5	0	0	0	257	91%	
13:45 to 14:45	2	4	6	8	15%	2	4	6	0	0	0	2	4	6	0	0	0	257	91%	
14:00 to 15:00	2	4	6	8	15%	2	4	6	0	0	0	2	4	6	0	0	0	257	91%	
14:15 to 15:15	2	4	6	7	13%	2	4	6	0	0	0	2	4	6	0	0	0	257	91%	
14:30 to 15:30	2	3	5	7	13%	2	3	5	0	0	0	2	3	5	0	0	0	257	91%	
14:45 to 15:45	1	2	3	6	12%	1	2	3	0	0	0	1	2	3	0	0	0	257	91%	
15:00 to 16:00	1	2	3	6	12%	1	2	3	0	0	0	1	2	3	0	0	0	257	91%	
15:15 to 16:15	1	2	3	6	12%	1	2	3	0	0	0	1	2	3	0	0	0	257	91%	
15:30 to 16:30	0	1	1	6	12%	0	1	1	0	0	0	0	1	1	0	0	0	257	91%	
15:45 to 16:45	0	1	1	5	10%	0	1	1	0	0	0	0	1	1	0	0	0	257	91%	
16:00 to 17:00	0	0	0	5	10%	0	0	0	0	0	0	0	0	0	0	0	0	257	91%	
16:15 to 17:15	0	0	0	5	10%	0	0	0	0	0	0	0	0	0	0	0	0	257	91%	
16:30 to 17:30	0	0	0	5	10%	0	0	0	0	0	0	0	0	0	0	0	0	257	91%	
16:45 to 17:45	0	0	0	5	10%	0	0	0	0	0	0	0	0	0	0	0	0	257	91%	
17:00 to 18:00	0	0	0	5	10%	0	0	0	0	0	0	0	0	0	0	0	0	257	91%	
17:15 to 18:15	0	0	0	5	10%	0	0	0	0	0	0	0	0	0	0	0	0	257	91%	
17:30 to 18:30	0	0	0	5	10%	0	0	0	0	0	0	0	0	0	0	0	0	257	91%	
17:45 to 18:45	0	0	0	5	10%	0	0	0	0	0	0	0	0	0	0	0	0	257	91%	
18:00 to 19:00	0	0	0	5	10%	0	0	0	0	0	0	0	0	0	0	0	0	257	91%	

 Network AM peak hour
 Site peak hour

Figure 3.13: MA02 Survey Results (Saturday) – Vehicle Trips

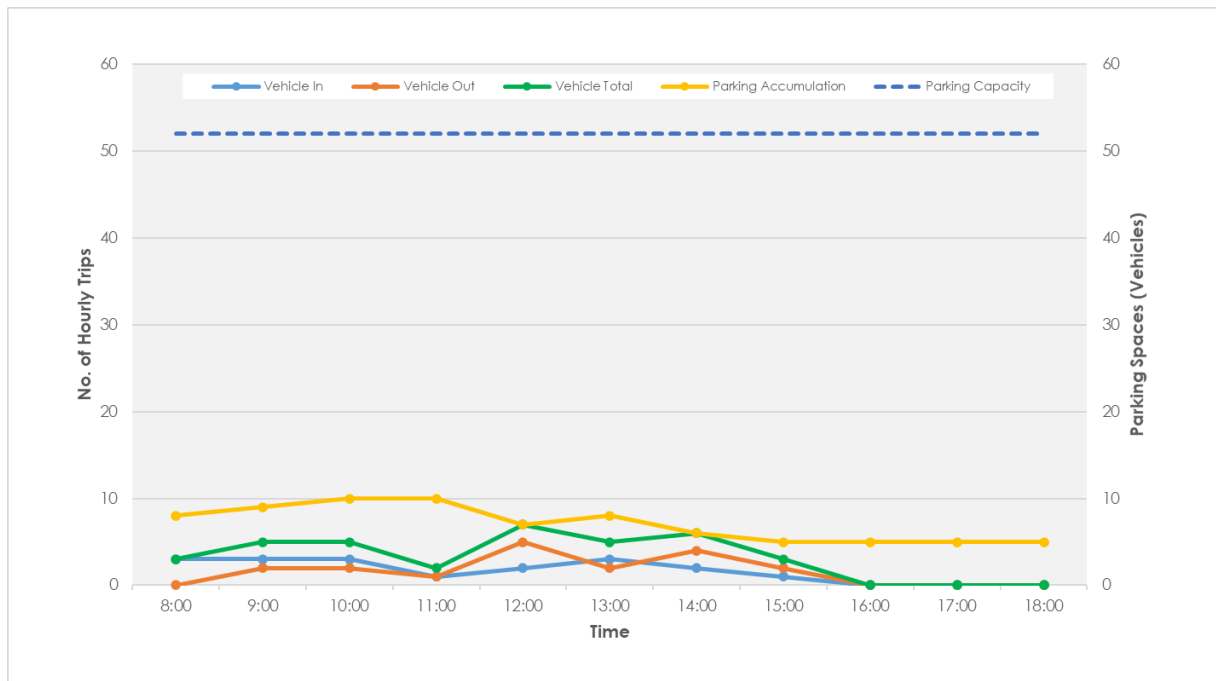


Figure 3.14: MA02 Survey Results (Saturday) – Person Trips



Figure 3.15: MA02 Survey Results (Saturday) – Vessel Movements

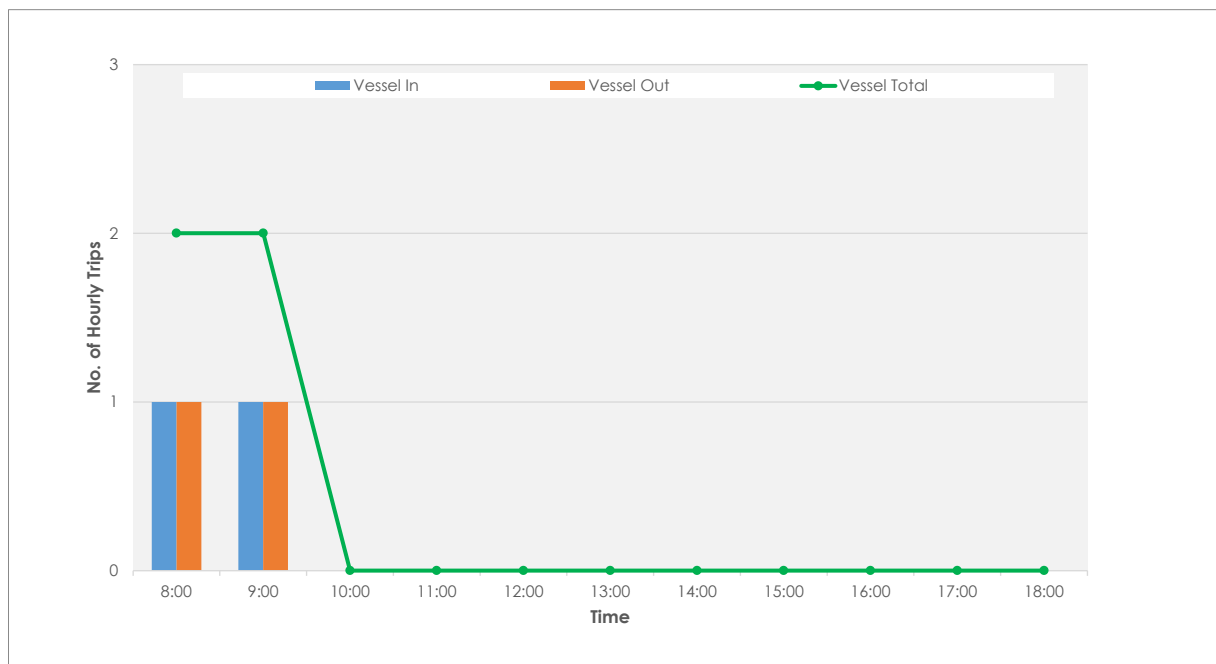


Table 3.11: MA02 Survey Results (Sunday 15-minute data)

Time Period			Vehicle-based Trips					Person-based Trips									Vessel Movements				
			In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied
								In	Out	Total	In	Out	Total	In	Out	Total					
8:00	to	8:15	0	0	0	5	10%	0	0	0	0	0	0	0	0	0	0	0	0	257	91%
8:15	to	8:30	0	0	0	5	10%	0	0	0	0	0	0	0	0	0	0	0	0	257	91%
8:30	to	8:45	1	0	1	6	12%	2	0	2	0	0	0	2	0	2	0	0	0	257	91%
8:45	to	9:00	2	1	3	7	13%	2	1	3	0	0	0	2	1	3	0	0	0	257	91%
9:00	to	9:15	1	0	1	8	15%	2	0	2	0	0	0	2	0	2	0	0	0	257	91%
9:15	to	9:30	0	1	1	7	13%	0	2	2	0	0	0	0	2	2	0	0	0	257	91%
9:30	to	9:45	0	0	0	7	13%	0	0	0	0	0	0	0	0	0	0	0	0	257	91%
9:45	to	10:00	2	2	4	7	13%	4	0	4	0	0	0	4	0	4	0	0	0	257	91%
10:00	to	10:15	1	1	2	7	13%	1	1	2	0	0	0	1	1	2	0	0	0	257	91%
10:15	to	10:30	2	0	2	9	17%	4	2	6	0	0	0	4	2	6	0	1	1	256	90%
10:30	to	10:45	1	0	1	10	19%	1	1	2	0	0	0	1	1	2	0	0	0	256	90%
10:45	to	11:00	1	1	2	10	19%	2	1	3	0	0	0	2	1	3	1	0	1	257	91%
11:00	to	11:15	0	0	0	10	19%	0	4	4	0	0	0	0	4	4	0	0	0	257	91%
11:15	to	11:30	0	1	1	9	17%	0	0	0	0	0	0	0	0	0	0	0	0	257	91%
11:30	to	11:45	0	0	0	9	17%	0	2	2	0	0	0	0	2	2	0	0	0	257	91%
11:45	to	12:00	0	1	1	8	15%	0	0	0	0	0	0	0	0	0	0	0	0	257	91%
12:00	to	12:15	1	0	1	9	17%	2	0	2	0	0	0	2	0	2	0	0	0	257	91%
12:15	to	12:30	0	3	3	6	12%	0	2	2	0	0	0	0	2	2	0	0	0	257	91%
12:30	to	12:45	1	0	1	7	13%	1	1	2	0	0	0	1	1	2	0	0	0	257	91%
12:45	to	13:00	1	1	2	7	13%	1	0	1	0	0	0	1	0	1	0	0	0	257	91%
13:00	to	13:15	1	0	1	8	15%	1	0	1	0	0	0	1	0	1	0	0	0	257	91%
13:15	to	13:30	0	1	1	7	13%	0	2	2	0	0	0	0	2	2	0	0	0	257	91%
13:30	to	13:45	0	0	0	7	13%	0	1	1	0	0	0	0	1	1	0	0	0	257	91%
13:45	to	14:00	1	1	2	7	13%	2	0	2	0	0	0	2	0	2	0	0	0	257	91%
14:00	to	14:15	1	1	2	7	13%	3	2	5	0	0	0	3	2	5	0	0	0	257	91%
14:15	to	14:30	0	1	1	6	12%	0	2	2	0	0	0	0	2	2	0	0	0	257	91%
14:30	to	14:45	0	0	0	6	12%	0	0	0	0	0	0	0	0	0	0	0	0	257	91%
14:45	to	15:00	0	0	0	6	12%	0	0	0	0	0	0	0	0	0	0	0	0	257	91%
15:00	to	15:15	0	1	1	5	10%	0	3	3	0	0	0	0	3	3	0	0	0	257	91%
15:15	to	15:30	0	0	0	5	10%	0	0	0	0	0	0	0	0	0	0	0	0	257	91%
15:30	to	15:45	2	2	4	5	10%	2	3	5	0	0	0	2	3	5	0	0	0	257	91%
15:45	to	16:00	0	0	0	5	10%	0	0	0	0	0	0	0	0	0	0	0	0	257	91%
16:00	to	16:15	0	0	0	5	10%	0	0	0	0	0	0	0	0	0	0	0	0	257	91%
16:15	to	16:30	0	0	0	5	10%	0	0	0	0	0	0	0	0	0	0	0	0	257	91%
16:30	to	16:45	0	0	0	5	10%	0	0	0	0	0	0	0	0	0	0	0	0	257	91%
16:45	to	17:00	0	0	0	5	10%	0	0	0	0	0	0	0	0	0	0	0	0	257	91%
17:00	to	17:15	0	0	0	5	10%	0	0	0	0	0	0	0	0	0	0	0	0	257	91%
17:15	to	17:30	0	0	0	5	10%	0	0	0	0	0	0	0	0	0	0	0	0	257	91%
17:30	to	17:45	0	0	0	5	10%	0	0	0	0	0	0	0	0	0	0	0	0	257	91%
17:45	to	18:00	0	0	0	5	10%	0	0	0	0	0	0	0	0	0	0	0	0	257	91%
18:00	to	18:15	0	0	0	5	10%	0	0	0	0	0	0	0	0	0	0	0	0	257	91%
18:15	to	18:30	0	0	0	5	10%	0	0	0	0	0	0	0	0	0	0	0	0	257	91%
18:30	to	18:45	0	0	0	5	10%	0	0	0	0	0	0	0	0	0	0	0	0	257	91%
18:45	to	19:00	0	0	0	5	10%	0	0	0	0	0	0	0	0	0	0	0	0	257	91%

Table 3.12: MA02 Survey Results (Sunday hourly data)

Time Period		Vehicle-based Trips					Person-based Trips												Vessel Movements				
		In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied			
							In	Out	Total	In	Out	Total	In	Out	Total								
8:00	to 9:00	3	1	4	7	13%	4	1	5	0	0	0	4	1	5	0	0	0	257	91%			
8:15	to 9:15	4	1	5	8	15%	6	1	7	0	0	0	6	1	7	0	0	0	257	91%			
8:30	to 9:30	4	2	6	8	15%	6	3	9	0	0	0	6	3	9	0	0	0	257	91%			
8:45	to 9:45	3	2	5	8	15%	4	3	7	0	0	0	4	3	7	0	0	0	257	91%			
9:00	to 10:00	3	3	6	8	15%	6	2	8	0	0	0	6	2	8	0	0	0	257	91%			
9:15	to 10:15	3	4	7	7	13%	5	3	8	0	0	0	5	3	8	0	0	0	257	91%			
9:30	to 10:30	5	3	8	9	17%	9	3	12	0	0	0	9	3	12	0	1	1	257	91%			
9:45	to 10:45	6	3	9	10	19%	10	4	14	0	0	0	10	4	14	0	1	1	257	91%			
10:00	to 11:00	5	2	7	10	19%	8	5	13	0	0	0	8	5	13	1	1	2	257	91%			
10:15	to 11:15	4	1	5	10	19%	7	8	15	0	0	0	7	8	15	1	1	2	257	91%			
10:30	to 11:30	2	2	4	10	19%	3	6	9	0	0	0	3	6	9	1	0	1	257	91%			
10:45	to 11:45	1	2	3	10	19%	2	7	9	0	0	0	2	7	9	1	0	1	257	91%			
11:00	to 12:00	0	2	2	10	19%	0	6	6	0	0	0	0	6	6	0	0	0	257	91%			
11:15	to 12:15	1	2	3	9	17%	2	2	4	0	0	0	2	2	4	0	0	0	257	91%			
11:30	to 12:30	1	4	5	9	17%	2	4	6	0	0	0	2	4	6	0	0	0	257	91%			
11:45	to 12:45	2	4	6	9	17%	3	3	6	0	0	0	3	3	6	0	0	0	257	91%			
12:00	to 13:00	3	4	7	9	17%	4	3	7	0	0	0	4	3	7	0	0	0	257	91%			
12:15	to 13:15	3	4	7	8	15%	3	3	6	0	0	0	3	3	6	0	0	0	257	91%			
12:30	to 13:30	3	2	5	8	15%	3	3	6	0	0	0	3	3	6	0	0	0	257	91%			
12:45	to 13:45	2	2	4	8	15%	2	3	5	0	0	0	2	3	5	0	0	0	257	91%			
13:00	to 14:00	2	2	4	8	15%	3	3	6	0	0	0	3	3	6	0	0	0	257	91%			
13:15	to 14:15	2	3	5	7	13%	5	5	10	0	0	0	5	5	10	0	0	0	257	91%			
13:30	to 14:30	2	3	5	7	13%	5	5	10	0	0	0	5	5	10	0	0	0	257	91%			
13:45	to 14:45	2	3	5	7	13%	5	4	9	0	0	0	5	4	9	0	0	0	257	91%			
14:00	to 15:00	1	2	3	7	13%	3	4	7	0	0	0	3	4	7	0	0	0	257	91%			
14:15	to 15:15	0	2	2	6	12%	0	5	5	0	0	0	0	5	5	0	0	0	257	91%			
14:30	to 15:30	0	1	1	6	12%	0	3	3	0	0	0	0	3	3	0	0	0	257	91%			
14:45	to 15:45	2	3	5	6	12%	2	6	8	0	0	0	2	6	8	0	0	0	257	91%			
15:00	to 16:00	2	3	5	5	10%	2	6	8	0	0	0	2	6	8	0	0	0	257	91%			
15:15	to 16:15	2	2	4	5	10%	2	3	5	0	0	0	2	3	5	0	0	0	257	91%			
15:30	to 16:30	2	2	4	5	10%	2	3	5	0	0	0	2	3	5	0	0	0	257	91%			
15:45	to 16:45	0	0	0	5	10%	0	0	0	0	0	0	0	0	0	0	0	0	257	91%			
16:00	to 17:00	0	0	0	5	10%	0	0	0	0	0	0	0	0	0	0	0	0	257	91%			
16:15	to 17:15	0	0	0	5	10%	0	0	0	0	0	0	0	0	0	0	0	0	257	91%			
16:30	to 17:30	0	0	0	5	10%	0	0	0	0	0	0	0	0	0	0	0	0	257	91%			
16:45	to 17:45	0	0	0	5	10%	0	0	0	0	0	0	0	0	0	0	0	0	257	91%			
17:00	to 18:00	0	0	0	5	10%	0	0	0	0	0	0	0	0	0	0	0	0	257	91%			
17:15	to 18:15	0	0	0	5	10%	0	0	0	0	0	0	0	0	0	0	0	0	257	91%			
17:30	to 18:30	0	0	0	5	10%	0	0	0	0	0	0	0	0	0	0	0	0	257	91%			
17:45	to 18:45	0	0	0	5	10%	0	0	0	0	0	0	0	0	0	0	0	0	257	91%			
18:00	to 19:00	0	0	0	5	10%	0	0	0	0	0	0	0	0	0	0	0	0	257	91%			

 Network AM peak hour
 Site peak hour

Figure 3.16: MA02 Survey Results (Sunday) – Vehicle Trips

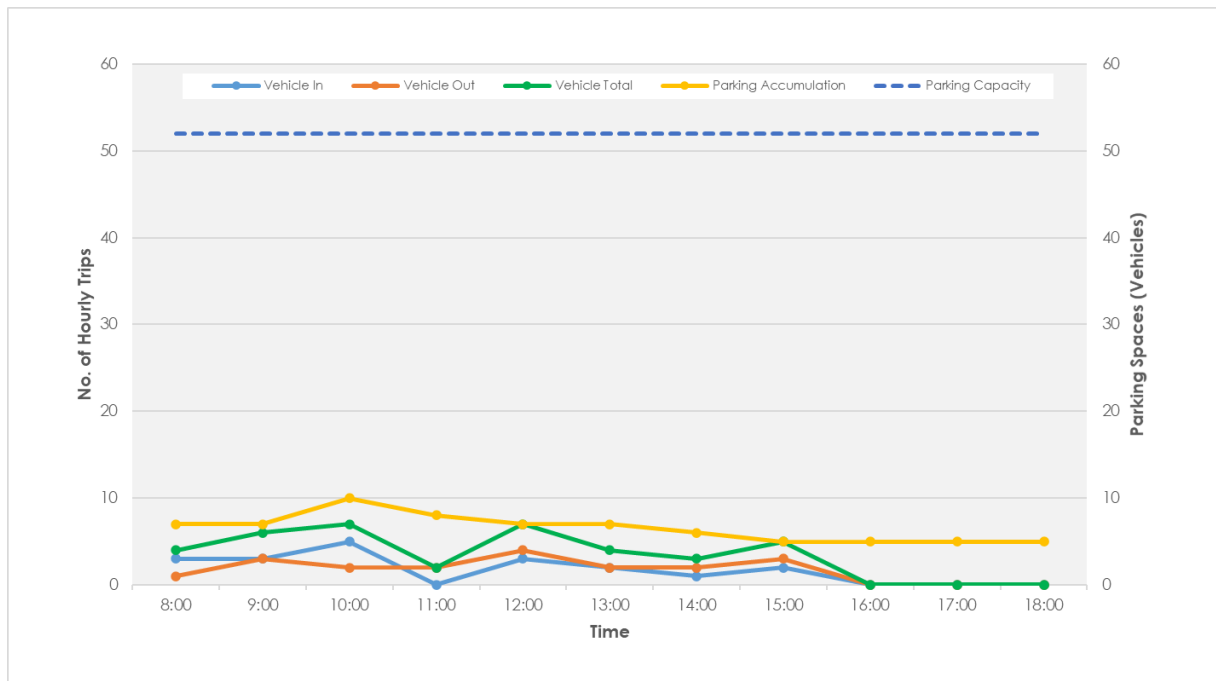
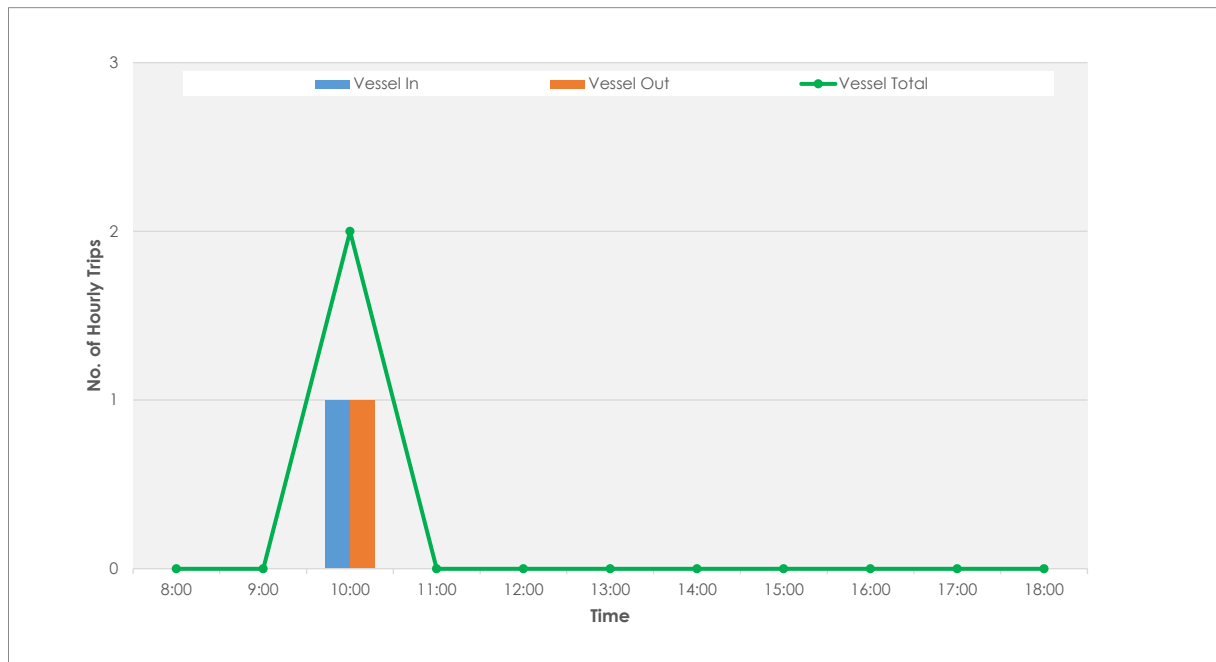


Figure 3.17: MA02 Survey Results (Sunday) – Person Trips



Figure 3.18: MA02 Survey Results (Sunday) – Vessel Movements



3.1.3 MA03 - D'Albora Marina Cabarita Point

Table 3.13: MA03 Survey Results (Friday 15-minute data)

Time Period	Vehicle-based Trips						Person-based Trips									Vessel Movements				
	In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied	
						In	Out	Total	In	Out	Total	In	Out	Total						
8:00 to 8:15	0	0	0	18	46%	0	0	0	0	0	0	0	0	0	0	0	0	135	99%	
8:15 to 8:30	0	0	0	18	46%	0	0	0	0	0	0	0	0	0	0	0	0	135	99%	
8:30 to 8:45	0	0	0	18	46%	0	0	0	0	0	0	0	0	0	0	0	0	135	99%	
8:45 to 9:00	0	0	0	18	46%	0	0	0	0	0	0	0	0	0	0	0	0	135	99%	
9:00 to 9:15	2	0	2	20	51%	2	0	2	0	0	0	2	0	2	0	0	0	135	99%	
9:15 to 9:30	0	0	0	20	51%	0	0	0	0	0	0	0	0	0	0	0	0	135	99%	
9:30 to 9:45	0	0	0	20	51%	0	0	0	0	0	0	0	0	0	0	0	0	135	99%	
9:45 to 10:00	0	2	2	18	46%	0	2	2	0	0	0	0	2	2	0	0	0	135	99%	
10:00 to 10:15	1	2	3	17	44%	1	2	3	0	0	0	1	2	3	0	0	0	135	99%	
10:15 to 10:30	1	1	2	17	44%	1	4	5	0	0	0	1	4	5	0	0	0	135	99%	
10:30 to 10:45	0	0	0	17	44%	0	0	0	0	0	0	0	0	0	0	0	0	135	99%	
10:45 to 11:00	1	1	2	17	44%	1	1	2	1	0	1	2	1	3	0	0	0	135	99%	
11:00 to 11:15	1	0	1	18	46%	1	0	1	1	1	2	2	1	3	0	0	0	135	99%	
11:15 to 11:30	0	0	0	18	46%	0	0	0	2	2	4	2	2	4	0	0	0	135	99%	
11:30 to 11:45	1	1	2	18	46%	2	2	4	1	0	1	3	2	5	0	0	0	135	99%	
11:45 to 12:00	0	0	0	18	46%	0	0	0	0	2	2	0	2	2	0	0	0	135	99%	
12:00 to 12:15	2	1	3	19	49%	3	1	4	3	1	4	6	2	8	0	0	0	135	99%	
12:15 to 12:30	1	1	2	19	49%	1	1	2	0	0	0	1	1	2	0	0	0	135	99%	
12:30 to 12:45	0	0	0	19	49%	0	0	0	1	0	1	1	0	1	0	0	0	135	99%	
12:45 to 13:00	1	0	1	20	51%	2	0	2	0	1	1	2	1	3	0	0	0	135	99%	
13:00 to 13:15	0	0	0	20	51%	0	0	0	0	0	0	0	0	0	0	0	0	135	99%	
13:15 to 13:30	2	0	2	22	56%	4	0	4	0	2	2	4	2	6	0	1	1	134	99%	
13:30 to 13:45	2	1	3	23	59%	2	1	3	0	2	2	2	3	5	0	0	0	134	99%	
13:45 to 14:00	0	1	1	22	56%	0	1	1	0	1	1	0	2	2	0	0	0	134	99%	
14:00 to 14:15	2	0	2	24	62%	3	0	3	1	1	2	4	1	5	1	0	1	135	99%	
14:15 to 14:30	0	0	0	24	62%	0	0	0	0	0	0	0	0	0	0	0	0	135	99%	
14:30 to 14:45	0	1	1	23	59%	0	1	1	0	0	0	0	1	1	0	0	0	135	99%	
14:45 to 15:00	0	1	1	22	56%	0	2	2	0	0	0	0	2	2	0	1	1	134	99%	
15:00 to 15:15	0	2	2	20	51%	0	3	3	0	0	0	0	3	3	0	0	0	134	99%	
15:15 to 15:30	0	1	1	19	49%	0	1	1	0	2	2	0	3	3	0	0	0	134	99%	
15:30 to 15:45	0	0	0	19	49%	0	0	0	0	0	0	0	0	0	0	0	0	134	99%	
15:45 to 16:00	0	2	2	17	44%	0	2	2	0	0	0	0	2	2	0	0	0	134	99%	
16:00 to 16:15	2	2	4	17	44%	2	2	4	0	1	1	2	3	5	1	1	2	134	99%	
16:15 to 16:30	0	1	1	16	41%	0	1	1	0	0	0	0	1	1	0	0	0	134	99%	
16:30 to 16:45	1	2	3	15	38%	1	3	4	0	0	0	1	3	4	0	1	1	133	98%	
16:45 to 17:00	0	0	0	15	38%	0	0	0	0	0	0	0	0	0	0	0	0	133	98%	
17:00 to 17:15	0	0	0	15	38%	0	0	0	0	0	0	0	0	0	0	0	0	133	98%	
17:15 to 17:30	0	0	0	15	38%	0	0	0	0	0	0	0	0	0	0	0	0	133	98%	
17:30 to 17:45	0	0	0	15	38%	0	0	0	0	0	0	0	0	0	0	0	0	133	98%	
17:45 to 18:00	0	0	0	15	38%	0	0	0	0	0	0	0	0	0	0	0	0	133	98%	
18:00 to 18:15	0	0	0	15	38%	0	0	0	0	0	0	0	0	0	0	0	0	133	98%	
18:15 to 18:30	0	0	0	15	38%	0	0	0	0	0	0	0	0	0	0	0	0	133	98%	
18:30 to 18:45	0	0	0	15	38%	0	0	0	0	0	0	0	0	0	0	0	0	133	98%	
18:45 to 19:00	0	0	0	15	38%	0	0	0	0	0	0	0	0	0	0	0	0	133	98%	

Table 3.14: MA03 Survey Results (Friday hourly data)

Time Period			Vehicle-based Trips					Person-based Trips												Vessel Movements				
			In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied			
								In	Out	Total	In	Out	Total	In	Out	Total								
8:00 to 9:00	0	0	0	18	46%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	135	99%			
8:15 to 9:15	2	0	2	20	51%	2	0	2	0	0	0	2	0	2	0	0	0	0	0	135	99%			
8:30 to 9:30	2	0	2	20	51%	2	0	2	0	0	0	2	0	2	0	0	0	0	0	135	99%			
8:45 to 9:45	2	0	2	20	51%	2	0	2	0	0	0	2	0	2	0	0	0	0	0	135	99%			
9:00 to 10:00	2	2	4	20	51%	2	2	4	0	0	0	2	2	4	0	0	0	0	0	135	99%			
9:15 to 10:15	1	4	5	20	51%	1	4	5	0	0	0	1	4	5	0	0	0	0	0	135	99%			
9:30 to 10:30	2	5	7	20	51%	2	8	10	0	0	0	2	8	10	0	0	0	0	0	135	99%			
9:45 to 10:45	2	5	7	18	46%	2	8	10	0	0	0	2	8	10	0	0	0	0	0	135	99%			
10:00 to 11:00	3	4	7	17	44%	3	7	10	1	0	1	4	7	11	0	0	0	0	0	135	99%			
10:15 to 11:15	3	2	5	18	46%	3	5	8	2	1	3	5	6	11	0	0	0	0	0	135	99%			
10:30 to 11:30	2	1	3	18	46%	2	1	3	4	3	7	6	4	10	0	0	0	0	0	135	99%			
10:45 to 11:45	3	2	5	18	46%	4	3	7	5	3	8	9	6	15	0	0	0	0	0	135	99%			
11:00 to 12:00	2	1	3	18	46%	3	2	5	4	5	9	7	7	14	0	0	0	0	0	135	99%			
11:15 to 12:15	3	2	5	19	49%	5	3	8	6	5	11	11	8	19	0	0	0	0	0	135	99%			
11:30 to 12:30	4	3	7	19	49%	6	4	10	4	3	7	10	7	17	0	0	0	0	0	135	99%			
11:45 to 12:45	3	2	5	19	49%	4	2	6	4	3	7	8	5	13	0	0	0	0	0	135	99%			
12:00 to 13:00	4	2	6	20	51%	6	2	8	4	2	6	10	4	14	0	0	0	0	0	135	99%			
12:15 to 13:15	2	1	3	20	51%	3	1	4	1	1	2	4	2	6	0	0	0	0	0	135	99%			
12:30 to 13:30	3	0	3	22	56%	6	0	6	1	3	4	7	3	10	0	1	1	1	1	135	99%			
12:45 to 13:45	5	1	6	23	59%	8	1	9	0	5	5	8	6	14	0	1	1	1	1	135	99%			
13:00 to 14:00	4	2	6	23	59%	6	2	8	0	5	5	6	7	13	0	1	1	1	1	135	99%			
13:15 to 14:15	6	2	8	24	62%	9	2	11	1	6	7	10	8	18	1	1	2	1	2	135	99%			
13:30 to 14:30	4	2	6	24	62%	5	2	7	1	4	5	6	6	12	1	0	1	1	1	135	99%			
13:45 to 14:45	2	2	4	24	62%	3	2	5	1	2	3	4	4	8	1	0	1	1	1	135	99%			
14:00 to 15:00	2	2	4	24	62%	3	3	6	1	1	2	4	4	8	1	1	2	1	2	135	99%			
14:15 to 15:15	0	4	4	24	62%	0	6	6	0	0	0	0	6	6	0	1	1	1	1	135	99%			
14:30 to 15:30	0	5	5	23	59%	0	7	7	0	2	2	0	9	9	0	1	1	1	1	135	99%			
14:45 to 15:45	0	4	4	22	56%	0	6	6	0	2	2	0	8	8	0	1	1	1	1	134	99%			
15:00 to 16:00	0	5	5	20	51%	0	6	6	0	2	2	0	8	8	0	0	0	0	0	134	99%			
15:15 to 16:15	2	5	7	19	49%	2	5	7	0	3	3	2	8	10	1	1	2	1	2	134	99%			
15:30 to 16:30	2	5	7	19	49%	2	5	7	0	1	1	2	6	8	1	1	2	1	2	134	99%			
15:45 to 16:45	3	7	10	17	44%	3	8	11	0	1	1	3	9	12	1	2	3	1	3	134	99%			
16:00 to 17:00	3	5	8	17	44%	3	6	9	0	1	1	3	7	10	1	2	3	1	3	134	99%			
16:15 to 17:15	1	3	4	16	41%	1	4	5	0	0	0	1	4	5	0	1	1	1	1	134	99%			
16:30 to 17:30	1	2	3	15	38%	1	3	4	0	0	0	1	3	4	0	1	1	1	1	133	98%			
16:45 to 17:45	0	0	0	15	38%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	133	98%			
17:00 to 18:00	0	0	0	15	38%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	133	98%			
17:15 to 18:15	0	0	0	15	38%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	133	98%			
17:30 to 18:30	0	0	0	15	38%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	133	98%			
17:45 to 18:45	0	0	0	15	38%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	133	98%			
18:00 to 19:00	0	0	0	15	38%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	133	98%			

Network AM peak hour
 Network PM peak hour
 Site AM peak hour
 Site PM peak hour
 Site (daily) peak hour

Figure 3.19: MA03 Survey Results (Friday) – Vehicle Trips

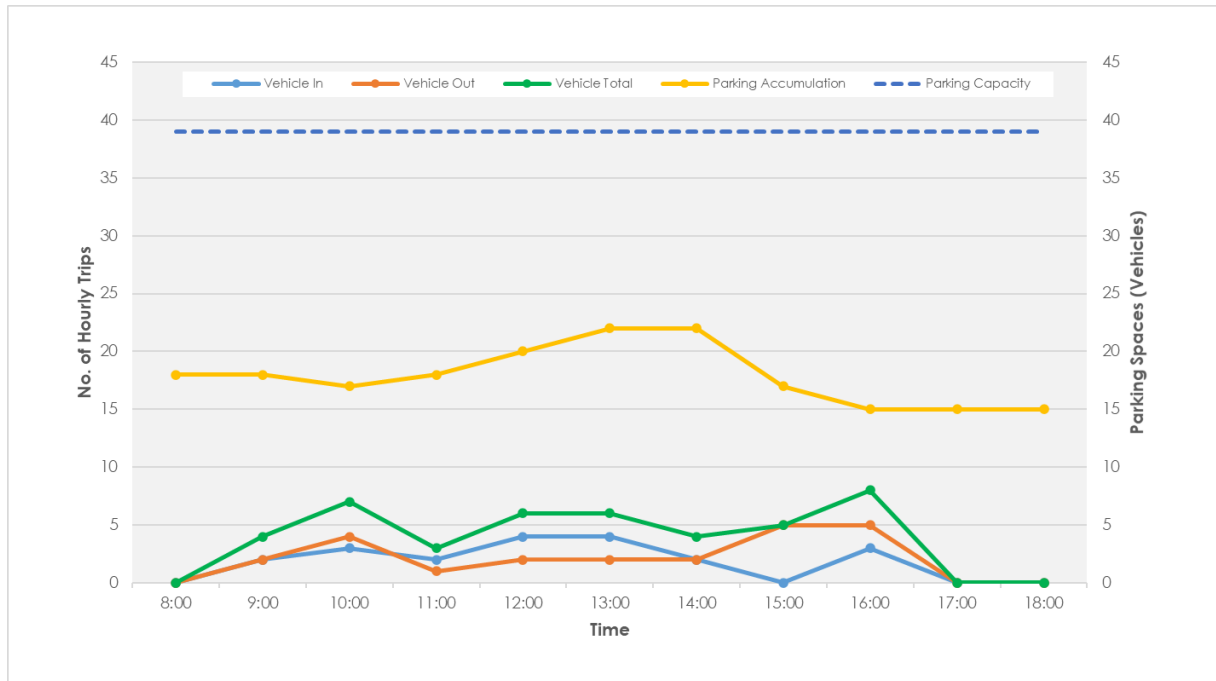


Figure 3.20: MA03 Survey Results (Friday) – Person Trips



Figure 3.21: MA03 Survey Results (Friday) – Vessel Movements

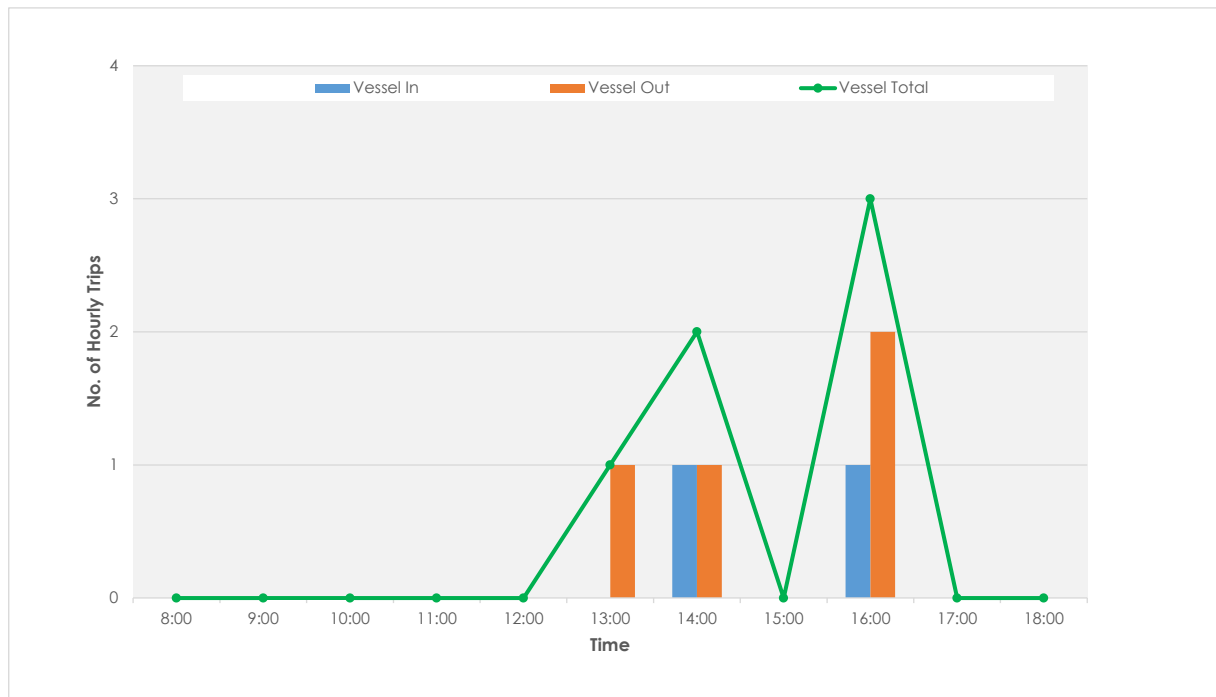


Table 3.15: MA03 Survey Results (Saturday 15-minute data)

Time Period			Vehicle-based Trips					Person-based Trips									Vessel Movements				
			In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied
								In	Out	Total	In	Out	Total	In	Out	Total					
8:00	to	8:15	0	0	0	28	72%	0	0	0	0	0	0	0	0	0	0	0	0	133	98%
8:15	to	8:30	0	0	0	28	72%	0	0	0	0	0	0	0	0	0	0	0	0	133	98%
8:30	to	8:45	1	0	1	29	74%	1	0	1	0	0	0	1	0	1	0	0	0	133	98%
8:45	to	9:00	1	0	1	30	77%	1	0	1	1	0	1	2	0	2	0	0	0	133	98%
9:00	to	9:15	0	0	0	30	77%	0	0	0	0	0	0	0	0	0	0	0	0	133	98%
9:15	to	9:30	2	1	3	31	79%	3	1	4	0	0	0	3	1	4	0	0	0	133	98%
9:30	to	9:45	1	1	2	31	79%	1	1	2	2	1	3	3	2	5	0	0	0	133	98%
9:45	to	10:00	3	1	4	33	85%	4	2	6	0	0	0	4	2	6	0	0	0	133	98%
10:00	to	10:15	2	2	4	33	85%	2	2	4	3	1	4	5	3	8	0	0	0	133	98%
10:15	to	10:30	1	0	1	34	87%	1	0	1	0	0	0	1	0	1	0	0	0	133	98%
10:30	to	10:45	3	1	4	36	92%	5	2	7	2	0	2	7	2	9	0	0	0	133	98%
10:45	to	11:00	5	3	8	38	97%	7	3	10	0	0	0	7	3	10	0	0	0	133	98%
11:00	to	11:15	3	2	5	39	100%	5	3	8	1	4	5	6	7	13	0	0	0	133	98%
11:15	to	11:30	1	1	2	39	100%	1	1	2	0	1	1	1	2	3	1	0	1	134	99%
11:30	to	11:45	2	1	3	40	103%	2	2	4	0	0	0	2	2	4	0	0	0	134	99%
11:45	to	12:00	0	1	1	39	100%	0	1	1	0	0	0	0	1	1	0	0	0	134	99%
12:00	to	12:15	1	2	3	38	97%	1	2	3	0	0	0	1	2	3	0	0	0	134	99%
12:15	to	12:30	1	0	1	39	100%	1	0	1	3	0	3	4	0	4	0	0	0	134	99%
12:30	to	12:45	1	0	1	40	103%	1	0	1	0	0	0	1	0	1	0	1	1	133	98%
12:45	to	13:00	1	1	2	40	103%	2	1	3	0	0	0	2	1	3	0	0	0	133	98%
13:00	to	13:15	1	1	2	40	103%	1	2	3	0	0	0	1	2	3	0	0	0	133	98%
13:15	to	13:30	2	2	4	40	103%	2	3	5	0	0	0	2	3	5	0	0	0	133	98%
13:30	to	13:45	1	1	2	40	103%	1	1	2	0	0	0	1	1	2	0	0	0	133	98%
13:45	to	14:00	0	1	1	39	100%	0	1	1	2	0	2	2	1	3	0	0	0	133	98%
14:00	to	14:15	3	2	5	40	103%	6	3	9	0	0	0	6	3	9	0	0	0	133	98%
14:15	to	14:30	1	1	2	40	103%	2	2	4	0	1	1	2	3	5	1	0	1	134	99%
14:30	to	14:45	0	3	3	37	95%	0	5	5	0	0	0	0	5	5	0	1	1	133	98%
14:45	to	15:00	0	0	0	37	95%	0	0	0	1	1	2	1	1	2	0	0	0	133	98%
15:00	to	15:15	1	1	2	37	95%	1	1	2	0	0	0	1	1	2	0	0	0	133	98%
15:15	to	15:30	0	3	3	34	87%	0	4	4	0	0	0	0	4	4	1	0	1	134	99%
15:30	to	15:45	0	2	2	32	82%	0	3	3	0	4	4	0	7	7	0	1	1	133	98%
15:45	to	16:00	0	1	1	31	79%	0	1	1	0	1	1	0	2	2	0	0	0	133	98%
16:00	to	16:15	0	2	2	29	74%	0	4	4	0	4	4	0	8	8	0	0	0	133	98%
16:15	to	16:30	0	2	2	27	69%	0	2	2	0	0	0	0	2	2	0	1	1	132	97%
16:30	to	16:45	0	1	1	26	67%	0	1	1	0	3	3	0	4	4	0	0	0	132	97%
16:45	to	17:00	0	2	2	24	62%	0	3	3	0	0	0	0	3	3	0	0	0	132	97%
17:00	to	17:15	0	0	0	24	62%	0	0	0	0	0	0	0	0	0	0	0	0	132	97%
17:15	to	17:30	0	0	0	24	62%	0	0	0	0	0	0	0	0	0	0	0	0	132	97%
17:30	to	17:45	0	0	0	24	62%	0	0	0	0	0	0	0	0	0	0	0	0	132	97%
17:45	to	18:00	0	0	0	24	62%	0	0	0	0	0	0	0	0	0	0	0	0	132	97%
18:00	to	18:15	0	0	0	24	62%	0	0	0	0	0	0	0	0	0	0	0	0	132	97%
18:15	to	18:30	0	0	0	24	62%	0	0	0	0	0	0	0	0	0	0	0	0	132	97%
18:30	to	18:45	0	0	0	24	62%	0	0	0	0	0	0	0	0	0	0	0	0	132	97%
18:45	to	19:00	0	0	0	24	62%	0	0	0	0	0	0	0	0	0	0	0	0	132	97%

Table 3.16: MA03 Survey Results (Saturday hourly data)

Time Period			Vehicle-based Trips					Person-based Trips										Vessel Movements				
			In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied	
								In	Out	Total	In	Out	Total	In	Out	Total						
8:00	to	9:00	2	0	2	30	77%	2	0	2	1	0	1	3	0	3	0	0	0	133	98%	
8:15	to	9:15	2	0	2	30	77%	2	0	2	1	0	1	3	0	3	0	0	0	133	98%	
8:30	to	9:30	4	1	5	31	79%	5	1	6	1	0	1	6	1	7	0	0	0	133	98%	
8:45	to	9:45	4	2	6	31	79%	5	2	7	3	1	4	8	3	11	0	0	0	133	98%	
9:00	to	10:00	6	3	9	33	85%	8	4	12	2	1	3	10	5	15	0	0	0	133	98%	
9:15	to	10:15	8	5	13	33	85%	10	6	16	5	2	7	15	8	23	0	0	0	133	98%	
9:30	to	10:30	7	4	11	34	87%	8	5	13	5	2	7	13	7	20	0	0	0	133	98%	
9:45	to	10:45	9	4	13	36	92%	12	6	18	5	1	6	17	7	24	0	0	0	133	98%	
10:00	to	11:00	11	6	17	38	97%	15	7	22	5	1	6	20	8	28	0	0	0	133	98%	
10:15	to	11:15	12	6	18	39	100%	18	8	26	3	4	7	21	12	33	0	0	0	133	98%	
10:30	to	11:30	12	7	19	39	100%	18	9	27	3	5	8	21	14	35	1	0	1	134	99%	
10:45	to	11:45	11	7	18	40	103%	15	9	24	1	5	6	16	14	30	1	0	1	134	99%	
11:00	to	12:00	6	5	11	40	103%	8	7	15	1	5	6	9	12	21	1	0	1	134	99%	
11:15	to	12:15	4	5	9	40	103%	4	6	10	0	1	1	4	7	11	1	0	1	134	99%	
11:30	to	12:30	4	4	8	40	103%	4	5	9	3	0	3	7	5	12	0	0	0	134	99%	
11:45	to	12:45	3	3	6	40	103%	3	3	6	3	0	3	6	3	9	0	1	1	134	99%	
12:00	to	13:00	4	3	7	40	103%	5	3	8	3	0	3	8	3	11	0	1	1	134	99%	
12:15	to	13:15	4	2	6	40	103%	5	3	8	3	0	3	8	3	11	0	1	1	134	99%	
12:30	to	13:30	5	4	9	40	103%	6	6	12	0	0	0	6	6	12	0	1	1	133	98%	
12:45	to	13:45	5	5	10	40	103%	6	7	13	0	0	0	6	7	13	0	0	0	133	98%	
13:00	to	14:00	4	5	9	40	103%	4	7	11	2	0	2	6	7	13	0	0	0	133	98%	
13:15	to	14:15	6	6	12	40	103%	9	8	17	2	0	2	11	8	19	0	0	0	133	98%	
13:30	to	14:30	5	5	10	40	103%	9	7	16	2	1	3	11	8	19	1	0	1	134	99%	
13:45	to	14:45	4	7	11	40	103%	8	11	19	2	1	3	10	12	22	1	1	2	134	99%	
14:00	to	15:00	4	6	10	40	103%	8	10	18	1	2	3	9	12	21	1	1	2	134	99%	
14:15	to	15:15	2	5	7	40	103%	3	8	11	1	2	3	4	10	14	1	1	2	134	99%	
14:30	to	15:30	1	7	8	37	95%	1	10	11	1	1	2	2	11	13	1	1	2	134	99%	
14:45	to	15:45	1	6	7	37	95%	1	8	9	1	5	6	2	13	15	1	1	2	134	99%	
15:00	to	16:00	1	7	8	37	95%	1	9	10	0	5	5	1	14	15	1	1	2	134	99%	
15:15	to	16:15	0	8	8	34	87%	0	12	12	0	9	9	0	21	21	1	1	2	134	99%	
15:30	to	16:30	0	7	7	32	82%	0	10	10	0	9	9	0	19	19	0	2	2	133	98%	
15:45	to	16:45	0	6	6	31	79%	0	8	8	0	8	8	0	16	16	0	1	1	133	98%	
16:00	to	17:00	0	7	7	29	74%	0	10	10	0	7	7	0	17	17	0	1	1	133	98%	
16:15	to	17:15	0	5	5	27	69%	0	6	6	0	3	3	0	9	9	0	1	1	132	97%	
16:30	to	17:30	0	3	3	26	67%	0	4	4	0	3	3	0	7	7	0	0	0	132	97%	
16:45	to	17:45	0	2	2	24	62%	0	3	3	0	0	0	0	3	3	0	0	0	132	97%	
17:00	to	18:00	0	0	0	24	62%	0	0	0	0	0	0	0	0	0	0	0	0	132	97%	
17:15	to	18:15	0	0	0	24	62%	0	0	0	0	0	0	0	0	0	0	0	0	132	97%	
17:30	to	18:30	0	0	0	24	62%	0	0	0	0	0	0	0	0	0	0	0	0	132	97%	
17:45	to	18:45	0	0	0	24	62%	0	0	0	0	0	0	0	0	0	0	0	0	132	97%	
18:00	to	19:00	0	0	0	24	62%	0	0	0	0	0	0	0	0	0	0	0	0	132	97%	

 Network AM peak hour
 Site peak hour

Figure 3.22: MA03 Survey Results (Saturday) – Vehicle Trips

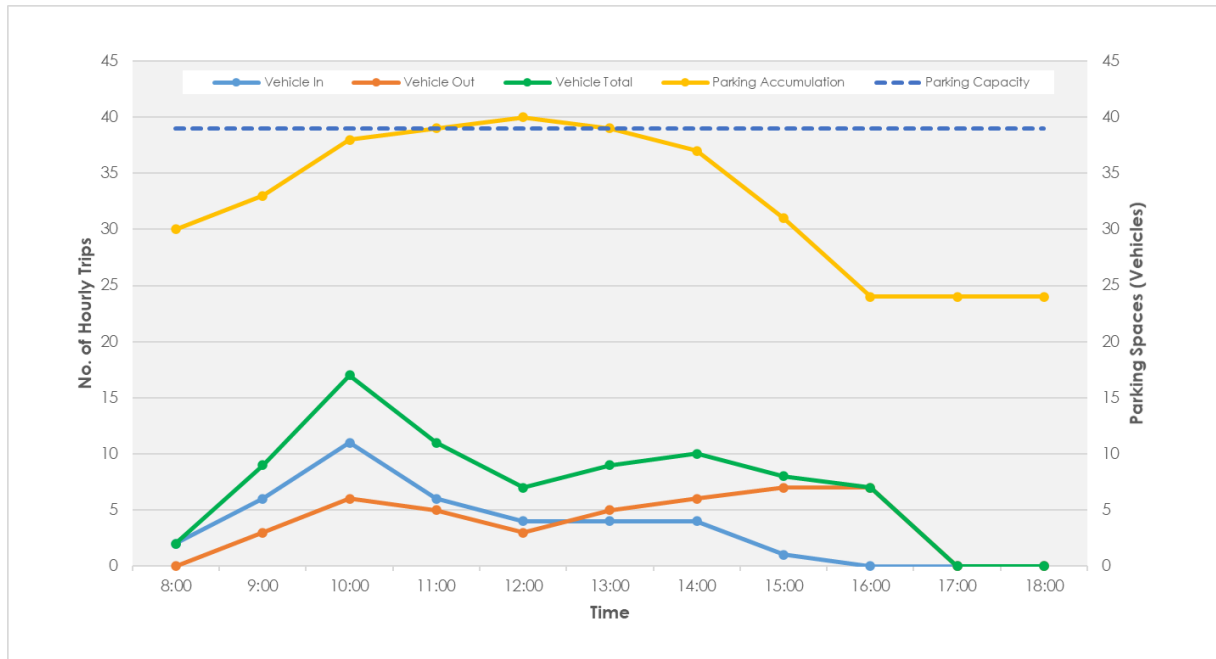


Figure 3.23: MA03 Survey Results (Saturday) – Person Trips



Figure 3.24: MA03 Survey Results (Saturday) – Vessel Movements

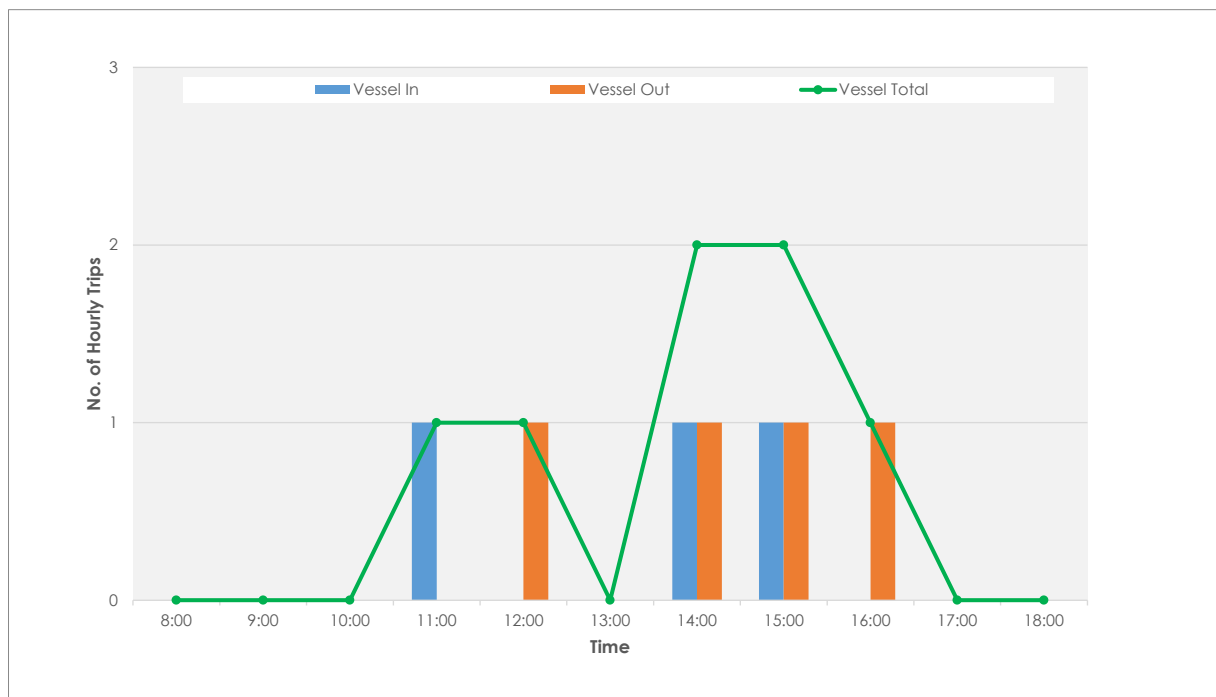


Table 3.17: MA03 Survey Results (Sunday 15-minute data)

Time Period	Vehicle-based Trips						Person-based Trips									Vessel Movements				
	In	Out	Total	Max Accumulation	% Occupied		Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied
8:00 to 8:15	0	0	0	22	56%		0	0	0	0	0	0	0	0	0	0	0	0	135	99%
8:15 to 8:30	0	0	0	22	56%		0	0	0	0	0	0	0	0	0	0	0	0	135	99%
8:30 to 8:45	2	0	2	24	62%		3	0	3	1	0	1	4	0	4	0	0	0	135	99%
8:45 to 9:00	1	1	2	24	62%		1	1	2	0	0	0	1	1	2	0	0	0	135	99%
9:00 to 9:15	3	1	4	26	67%		6	2	8	1	0	1	7	2	9	0	1	1	134	99%
9:15 to 9:30	1	1	2	26	67%		1	1	2	0	0	0	1	1	2	0	0	0	134	99%
9:30 to 9:45	2	0	2	28	72%		2	0	2	2	2	4	4	2	6	0	0	0	134	99%
9:45 to 10:00	2	1	3	29	74%		3	2	5	0	0	0	3	2	5	0	0	0	134	99%
10:00 to 10:15	1	0	1	30	77%		1	0	1	2	2	4	3	2	5	0	0	0	134	99%
10:15 to 10:30	0	3	3	27	69%		0	4	4	2	2	4	2	6	8	0	1	1	133	98%
10:30 to 10:45	2	1	3	28	72%		5	1	6	0	0	0	5	1	6	1	0	1	134	99%
10:45 to 11:00	2	0	2	30	77%		2	0	2	0	0	0	2	0	2	0	0	0	134	99%
11:00 to 11:15	1	2	3	29	74%		1	4	5	2	0	2	3	4	7	0	0	0	134	99%
11:15 to 11:30	1	3	4	27	69%		2	7	9	0	0	0	2	7	9	0	0	0	134	99%
11:30 to 11:45	0	0	0	27	69%		0	0	0	0	0	0	0	0	0	1	0	1	135	99%
11:45 to 12:00	1	0	1	28	72%		1	0	1	0	0	0	1	0	1	0	0	0	135	99%
12:00 to 12:15	1	0	1	29	74%		1	0	1	1	0	1	2	0	2	0	0	0	135	99%
12:15 to 12:30	3	1	4	31	79%		4	1	5	0	0	0	4	1	5	0	1	1	134	99%
12:30 to 12:45	2	1	3	32	82%		2	1	3	0	1	1	2	2	4	0	0	0	134	99%
12:45 to 13:00	2	2	4	32	82%		3	3	6	0	1	1	3	4	7	0	1	1	133	98%
13:00 to 13:15	3	0	3	35	90%		3	0	3	1	2	3	4	2	6	0	0	0	133	98%
13:15 to 13:30	1	2	3	34	87%		1	2	3	0	0	0	1	2	3	1	0	1	134	99%
13:30 to 13:45	1	1	2	34	87%		1	1	2	0	0	0	1	1	2	0	0	0	134	99%
13:45 to 14:00	2	1	3	35	90%		2	2	4	0	0	0	2	2	4	1	1	2	134	99%
14:00 to 14:15	2	2	4	35	90%		2	4	6	0	0	0	2	4	6	0	0	0	134	99%
14:15 to 14:30	1	1	2	35	90%		1	1	2	3	2	5	4	3	7	0	0	0	134	99%
14:30 to 14:45	2	1	3	36	92%		3	1	4	2	0	2	5	1	6	0	0	0	134	99%
14:45 to 15:00	1	1	2	36	92%		2	1	3	0	0	0	2	1	3	0	0	0	134	99%
15:00 to 15:15	2	3	5	35	90%		2	4	6	0	1	1	2	5	7	0	1	1	133	98%
15:15 to 15:30	0	2	2	33	85%		0	2	2	1	1	2	1	3	4	1	0	1	134	99%
15:30 to 15:45	0	2	2	31	79%		0	3	3	0	1	1	0	4	4	0	1	1	133	98%
15:45 to 16:00	1	3	4	29	74%		1	4	5	0	2	2	1	6	7	1	1	2	133	98%
16:00 to 16:15	1	2	3	28	72%		1	2	3	0	2	2	1	4	5	0	0	0	133	98%
16:15 to 16:30	0	4	4	24	62%		0	7	7	0	0	0	0	7	7	0	0	0	133	98%
16:30 to 16:45	0	2	2	22	56%		0	4	4	0	2	2	0	6	6	0	0	0	133	98%
16:45 to 17:00	0	3	3	19	49%		0	7	7	0	2	2	0	9	9	0	0	0	133	98%
17:00 to 17:15	0	0	0	19	49%		0	0	0	0	0	0	0	0	0	0	0	0	133	98%
17:15 to 17:30	0	0	0	19	49%		0	0	0	0	0	0	0	0	0	0	0	0	133	98%
17:30 to 17:45	0	0	0	19	49%		0	0	0	0	0	0	0	0	0	0	0	0	133	98%
17:45 to 18:00	0	0	0	19	49%		0	0	0	0	0	0	0	0	0	0	0	0	133	98%
18:00 to 18:15	0	0	0	19	49%		0	0	0	0	0	0	0	0	0	0	0	0	133	98%
18:15 to 18:30	0	0	0	19	49%		0	0	0	0	0	0	0	0	0	0	0	0	133	98%
18:30 to 18:45	0	0	0	19	49%		0	0	0	0	0	0	0	0	0	0	0	0	133	98%
18:45 to 19:00	0	0	0	19	49%		0	0	0	0	0	0	0	0	0	0	0	0	133	98%

Table 3.18: MA03 Survey Results (Sunday hourly data)

Time Period			Vehicle-based Trips					Person-based Trips										Vessel Movements				
			In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied	
								In	Out	Total	In	Out	Total	In	Out	Total						
8:00 to 9:00	3	1	4	24	62%	4	1	5	1	0	1	5	1	6	0	0	0	135	99%			
8:15 to 9:15	6	2	8	26	67%	10	3	13	2	0	2	12	3	15	0	1	1	135	99%			
8:30 to 9:30	7	3	10	26	67%	11	4	15	2	0	2	13	4	17	0	1	1	135	99%			
8:45 to 9:45	7	3	10	28	72%	10	4	14	3	2	5	13	6	19	0	1	1	135	99%			
9:00 to 10:00	8	3	11	29	74%	12	5	17	3	2	5	15	7	22	0	1	1	134	99%			
9:15 to 10:15	6	2	8	30	77%	7	3	10	4	4	8	11	7	18	0	0	0	134	99%			
9:30 to 10:30	5	4	9	30	77%	6	6	12	6	6	12	12	12	24	0	1	1	134	99%			
9:45 to 10:45	5	5	10	30	77%	9	7	16	4	4	8	13	11	24	1	1	2	134	99%			
10:00 to 11:00	5	4	9	30	77%	8	5	13	4	4	8	12	9	21	1	1	2	134	99%			
10:15 to 11:15	5	6	11	30	77%	8	9	17	4	2	6	12	11	23	1	1	2	134	99%			
10:30 to 11:30	6	6	12	30	77%	10	12	22	2	0	2	12	12	24	1	0	1	134	99%			
10:45 to 11:45	4	5	9	30	77%	5	11	16	2	0	2	7	11	18	1	0	1	135	99%			
11:00 to 12:00	3	5	8	29	74%	4	11	15	2	0	2	6	11	17	1	0	1	135	99%			
11:15 to 12:15	3	3	6	29	74%	4	7	11	1	0	1	5	7	12	1	0	1	135	99%			
11:30 to 12:30	5	1	6	31	79%	6	1	7	1	0	1	7	1	8	1	1	2	135	99%			
11:45 to 12:45	7	2	9	32	82%	8	2	10	1	1	2	9	3	12	0	1	1	135	99%			
12:00 to 13:00	8	4	12	32	82%	10	5	15	1	2	3	11	7	18	0	2	2	135	99%			
12:15 to 13:15	10	4	14	35	90%	12	5	17	1	4	5	13	9	22	0	2	2	134	99%			
12:30 to 13:30	8	5	13	35	90%	9	6	15	1	4	5	10	10	20	1	1	2	134	99%			
12:45 to 13:45	7	5	12	35	90%	8	6	14	1	3	4	9	9	18	1	1	2	134	99%			
13:00 to 14:00	7	4	11	35	90%	7	5	12	1	2	3	8	7	15	2	1	3	134	99%			
13:15 to 14:15	6	6	12	35	90%	6	9	15	0	0	0	6	9	15	2	1	3	134	99%			
13:30 to 14:30	6	5	11	35	90%	6	8	14	3	2	5	9	10	19	1	1	2	134	99%			
13:45 to 14:45	7	5	12	36	92%	8	8	16	5	2	7	13	10	23	1	1	2	134	99%			
14:00 to 15:00	6	5	11	36	92%	8	7	15	5	2	7	13	9	22	0	0	0	134	99%			
14:15 to 15:15	6	6	12	36	92%	8	7	15	5	3	8	13	10	23	0	1	1	134	99%			
14:30 to 15:30	5	7	12	36	92%	7	8	15	3	2	5	10	10	20	1	1	2	134	99%			
14:45 to 15:45	3	8	11	36	92%	4	10	14	1	3	4	5	13	18	1	2	3	134	99%			
15:00 to 16:00	3	10	13	35	90%	3	13	16	1	5	6	4	18	22	2	3	5	134	99%			
15:15 to 16:15	2	9	11	33	85%	2	11	13	1	6	7	3	17	20	2	2	4	134	99%			
15:30 to 16:30	2	11	13	31	79%	2	16	18	0	5	5	2	21	23	1	2	3	133	98%			
15:45 to 16:45	2	11	13	29	74%	2	17	19	0	6	6	2	23	25	1	1	2	133	98%			
16:00 to 17:00	1	11	12	28	72%	1	20	21	0	6	6	1	26	27	0	0	0	133	98%			
16:15 to 17:15	0	9	9	24	62%	0	18	18	0	4	4	0	22	22	0	0	0	133	98%			
16:30 to 17:30	0	5	5	22	56%	0	11	11	0	4	4	0	15	15	0	0	0	133	98%			
16:45 to 17:45	0	3	3	19	49%	0	7	7	0	2	2	0	9	9	0	0	0	133	98%			
17:00 to 18:00	0	0	0	19	49%	0	0	0	0	0	0	0	0	0	0	0	0	133	98%			
17:15 to 18:15	0	0	0	19	49%	0	0	0	0	0	0	0	0	0	0	0	0	133	98%			
17:30 to 18:30	0	0	0	19	49%	0	0	0	0	0	0	0	0	0	0	0	0	133	98%			
17:45 to 18:45	0	0	0	19	49%	0	0	0	0	0	0	0	0	0	0	0	0	133	98%			
18:00 to 19:00	0	0	0	19	49%	0	0	0	0	0	0	0	0	0	0	0	0	133	98%			

 Network AM peak hour
 Site peak hour

Figure 3.25: MA03 Survey Results (Sunday) – Vehicle Trips

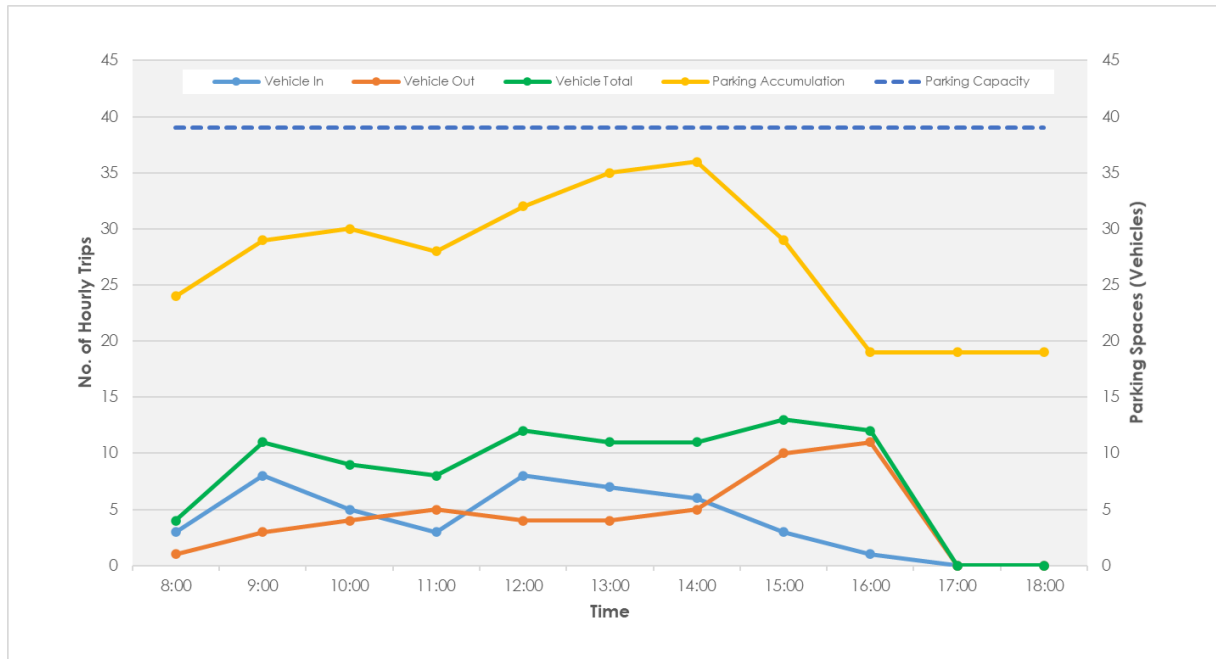


Figure 3.26: MA03 Survey Results (Sunday) – Person Trips

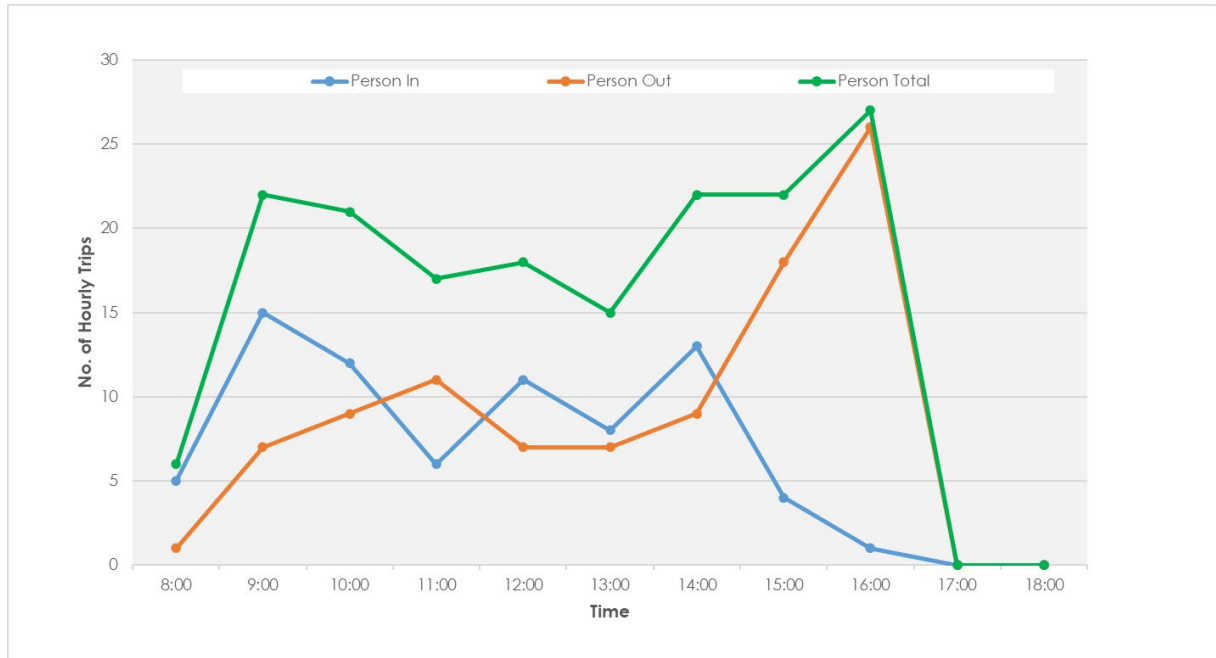
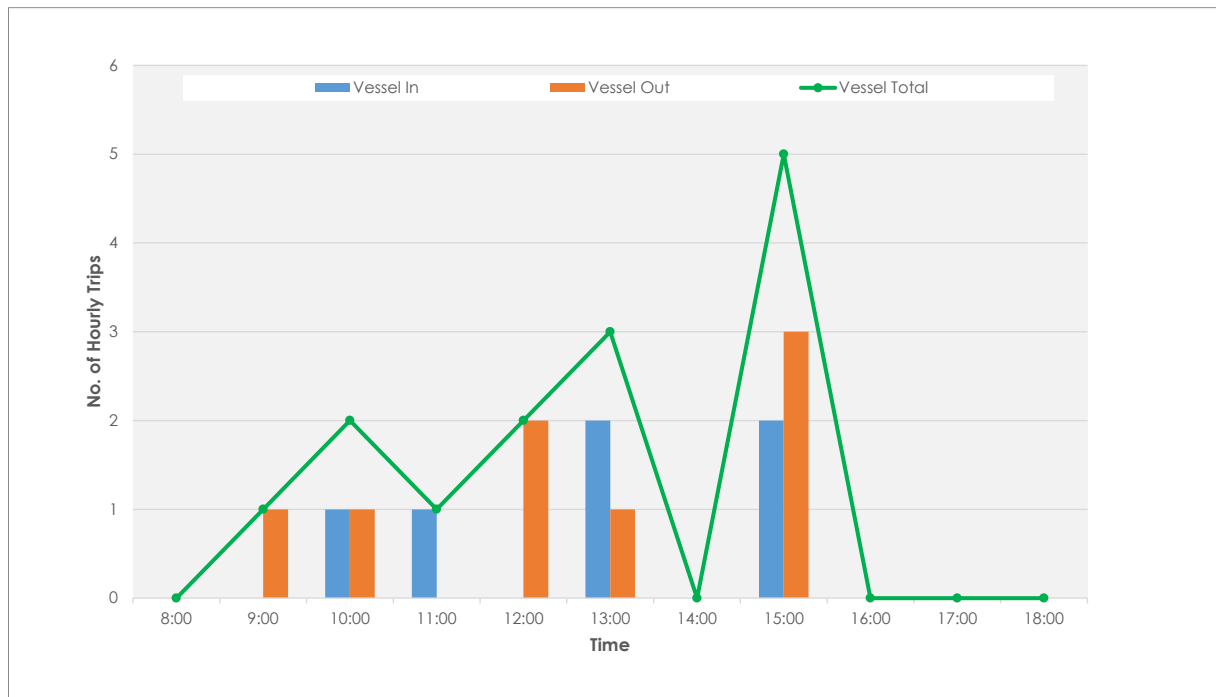


Figure 3.27: MA03 Survey Results (Sunday) – Vessel Movements



3.1.4 MA04 - Clontarf Marina

Table 3.19: MA04 Survey Results (Friday 15-minute data)

Time Period	Vehicle-based Trips						Person-based Trips									Vessel Movements				
	In	Out	Total	Max Accumulation	% Occupied		Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied
							In	Out	Total	In	Out	Total	In	Out	Total					
8:00 to 8:15	0	0	0	0	0%		0	0	0	1	0	1	1	0	1	0	0	0	62	72%
8:15 to 8:30	0	0	0	0	0%		0	0	0	2	1	3	2	1	3	0	0	0	62	72%
8:30 to 8:45	0	0	0	0	0%		0	0	0	1	1	2	1	1	2	1	0	1	63	73%
8:45 to 9:00	0	0	0	0	0%		0	0	0	3	2	5	3	2	5	0	0	0	63	73%
9:00 to 9:15	0	0	0	0	0%		0	0	0	3	0	3	3	0	3	0	0	0	63	73%
9:15 to 9:30	0	0	0	0	0%		0	0	0	0	3	3	0	3	3	0	0	0	63	73%
9:30 to 9:45	0	0	0	0	0%		0	0	0	1	5	6	1	5	6	0	1	1	62	72%
9:45 to 10:00	0	0	0	0	0%		0	0	0	2	1	3	2	1	3	1	0	1	63	73%
10:00 to 10:15	0	0	0	0	0%		0	0	0	1	0	1	1	0	1	0	0	0	63	73%
10:15 to 10:30	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	63	73%
10:30 to 10:45	0	0	0	0	0%		0	0	0	0	1	1	0	1	1	0	0	0	63	73%
10:45 to 11:00	0	0	0	0	0%		0	0	0	1	1	2	1	1	2	1	0	1	64	74%
11:00 to 11:15	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	64	74%
11:15 to 11:30	0	0	0	0	0%		0	0	0	1	1	2	1	1	2	1	0	1	65	76%
11:30 to 11:45	0	0	0	0	0%		0	0	0	1	1	2	1	1	2	0	1	1	64	74%
11:45 to 12:00	0	0	0	0	0%		0	0	0	0	1	1	0	1	1	0	0	0	64	74%
12:00 to 12:15	0	0	0	0	0%		0	0	0	2	1	3	2	1	3	0	0	0	64	74%
12:15 to 12:30	0	0	0	0	0%		0	0	0	1	0	1	1	0	1	0	1	1	63	73%
12:30 to 12:45	0	0	0	0	0%		0	0	0	3	1	4	3	1	4	1	0	1	64	74%
12:45 to 13:00	0	0	0	0	0%		0	0	0	0	1	1	0	1	1	0	0	0	64	74%
13:00 to 13:15	0	0	0	0	0%		0	0	0	0	1	1	0	1	1	0	0	0	64	74%
13:15 to 13:30	0	0	0	0	0%		0	0	0	1	0	1	1	0	1	0	1	1	63	73%
13:30 to 13:45	0	0	0	0	0%		0	0	0	0	2	2	0	2	2	0	0	0	63	73%
13:45 to 14:00	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	63	73%
14:00 to 14:15	0	0	0	0	0%		0	0	0	1	0	1	1	0	1	0	0	0	63	73%
14:15 to 14:30	0	0	0	0	0%		0	0	0	3	0	3	3	0	3	2	1	3	64	74%
14:30 to 14:45	0	0	0	0	0%		0	0	0	0	2	2	0	2	2	0	0	0	64	74%
14:45 to 15:00	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	64	74%
15:00 to 15:15	0	0	0	0	0%		0	0	0	0	2	2	0	2	2	0	0	0	64	74%
15:15 to 15:30	0	0	0	0	0%		0	0	0	1	0	1	1	0	1	1	0	1	65	76%
15:30 to 15:45	0	0	0	0	0%		0	0	0	0	1	1	0	1	1	0	0	0	65	76%
15:45 to 16:00	0	0	0	0	0%		0	0	0	1	3	4	1	3	4	0	1	1	64	74%
16:00 to 16:15	0	0	0	0	0%		0	0	0	1	0	1	1	0	1	0	0	0	64	74%
16:15 to 16:30	0	0	0	0	0%		0	0	0	0	1	1	0	1	1	0	0	0	64	74%
16:30 to 16:45	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	64	74%
16:45 to 17:00	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	64	74%
17:00 to 17:15	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	64	74%
17:15 to 17:30	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	64	74%
17:30 to 17:45	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	64	74%
17:45 to 18:00	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	64	74%
18:00 to 18:15	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	64	74%
18:15 to 18:30	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	64	74%
18:30 to 18:45	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	64	74%
18:45 to 19:00	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	64	74%

Table 3.20: MA04 Survey Results (Friday hourly data)

Time Period	Vehicle-based Trips						Person-based Trips									Vessel Movements				
	In	Out	Total	Max Accumulation	% Occupied		Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied
							In	Out	Total	In	Out	Total	In	Out	Total					
8:00 to 9:00	0	0	0	0	0%		0	0	0	7	4	11	7	4	11	1	0	1	63	73%
8:15 to 9:15	0	0	0	0	0%		0	0	0	9	4	13	9	4	13	1	0	1	63	73%
8:30 to 9:30	0	0	0	0	0%		0	0	0	7	6	13	7	6	13	1	0	1	63	73%
8:45 to 9:45	0	0	0	0	0%		0	0	0	7	10	17	7	10	17	0	1	1	63	73%
9:00 to 10:00	0	0	0	0	0%		0	0	0	6	9	15	6	9	15	1	1	2	63	73%
9:15 to 10:15	0	0	0	0	0%		0	0	0	4	9	13	4	9	13	1	1	2	63	73%
9:30 to 10:30	0	0	0	0	0%		0	0	0	4	6	10	4	6	10	1	1	2	63	73%
9:45 to 10:45	0	0	0	0	0%		0	0	0	3	2	5	3	2	5	1	0	1	63	73%
10:00 to 11:00	0	0	0	0	0%		0	0	0	2	2	4	2	2	4	1	0	1	64	74%
10:15 to 11:15	0	0	0	0	0%		0	0	0	1	2	3	1	2	3	1	0	1	64	74%
10:30 to 11:30	0	0	0	0	0%		0	0	0	2	3	5	2	3	5	2	0	2	65	76%
10:45 to 11:45	0	0	0	0	0%		0	0	0	3	3	6	3	3	6	2	1	3	65	76%
11:00 to 12:00	0	0	0	0	0%		0	0	0	2	3	5	2	3	5	1	1	2	65	76%
11:15 to 12:15	0	0	0	0	0%		0	0	0	4	4	8	4	4	8	1	1	2	65	76%
11:30 to 12:30	0	0	0	0	0%		0	0	0	4	3	7	4	3	7	0	2	2	64	74%
11:45 to 12:45	0	0	0	0	0%		0	0	0	6	3	9	6	3	9	1	1	2	64	74%
12:00 to 13:00	0	0	0	0	0%		0	0	0	6	3	9	6	3	9	1	1	2	64	74%
12:15 to 13:15	0	0	0	0	0%		0	0	0	4	3	7	4	3	7	1	1	2	64	74%
12:30 to 13:30	0	0	0	0	0%		0	0	0	4	3	7	4	3	7	1	1	2	64	74%
12:45 to 13:45	0	0	0	0	0%		0	0	0	1	4	5	1	4	5	0	1	1	64	74%
13:00 to 14:00	0	0	0	0	0%		0	0	0	1	3	4	1	3	4	0	1	1	64	74%
13:15 to 14:15	0	0	0	0	0%		0	0	0	2	2	4	2	2	4	0	1	1	63	73%
13:30 to 14:30	0	0	0	0	0%		0	0	0	4	2	6	4	2	6	2	1	3	64	74%
13:45 to 14:45	0	0	0	0	0%		0	0	0	4	2	6	4	2	6	2	1	3	64	74%
14:00 to 15:00	0	0	0	0	0%		0	0	0	4	2	6	4	2	6	2	1	3	64	74%
14:15 to 15:15	0	0	0	0	0%		0	0	0	3	4	7	3	4	7	2	1	3	64	74%
14:30 to 15:30	0	0	0	0	0%		0	0	0	1	4	5	1	4	5	1	0	1	65	76%
14:45 to 15:45	0	0	0	0	0%		0	0	0	1	3	4	1	3	4	1	0	1	65	76%
15:00 to 16:00	0	0	0	0	0%		0	0	0	2	6	8	2	6	8	1	1	2	65	76%
15:15 to 16:15	0	0	0	0	0%		0	0	0	3	4	7	3	4	7	1	1	2	65	76%
15:30 to 16:30	0	0	0	0	0%		0	0	0	2	5	7	2	5	7	0	1	1	65	76%
15:45 to 16:45	0	0	0	0	0%		0	0	0	2	4	6	2	4	6	0	1	1	64	74%
16:00 to 17:00	0	0	0	0	0%		0	0	0	1	1	2	1	1	2	0	0	0	64	74%
16:15 to 17:15	0	0	0	0	0%		0	0	0	0	1	1	0	1	1	0	0	0	64	74%
16:30 to 17:30	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	64	74%
16:45 to 17:45	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	64	74%
17:00 to 18:00	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	64	74%
17:15 to 18:15	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	64	74%
17:30 to 18:30	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	64	74%
17:45 to 18:45	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	64	74%
18:00 to 19:00	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	64	74%

 Network AM peak hour
 Network PM peak hour
 Site AM peak hour
 Site PM peak hour
 Site (daily) peak hour

Figure 3.28: MA04 Survey Results (Friday) – Person Trips

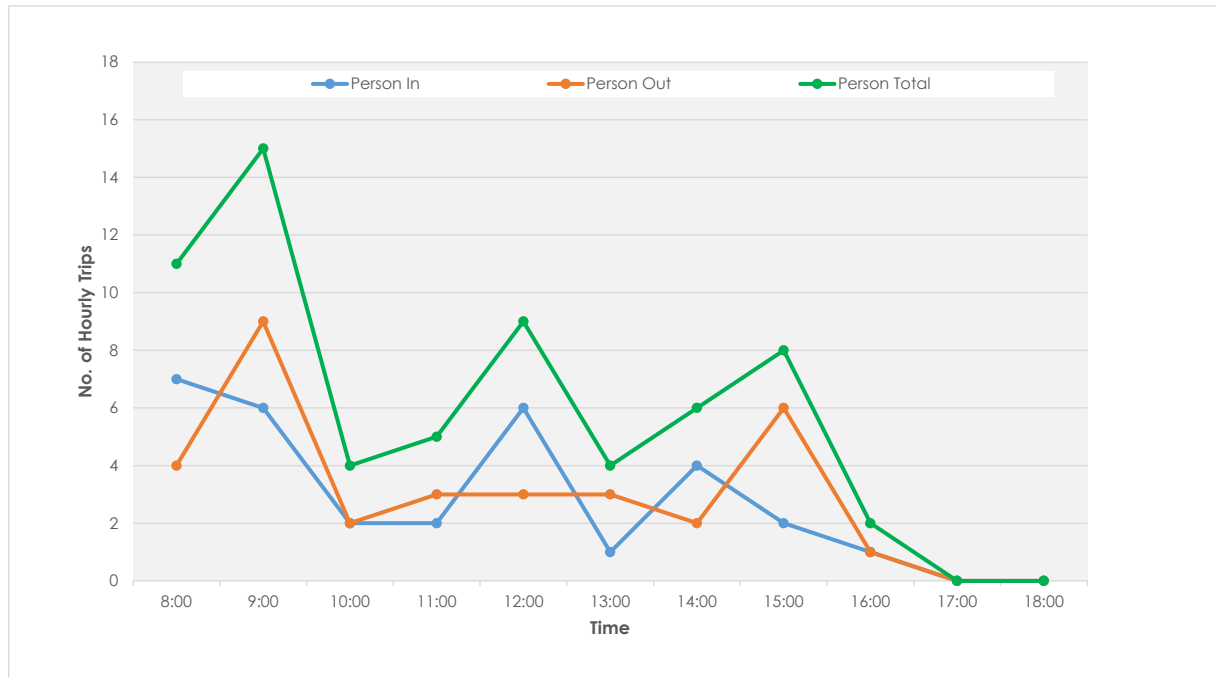


Figure 3.29: MA04 Survey Results (Friday) – Vessel Movements

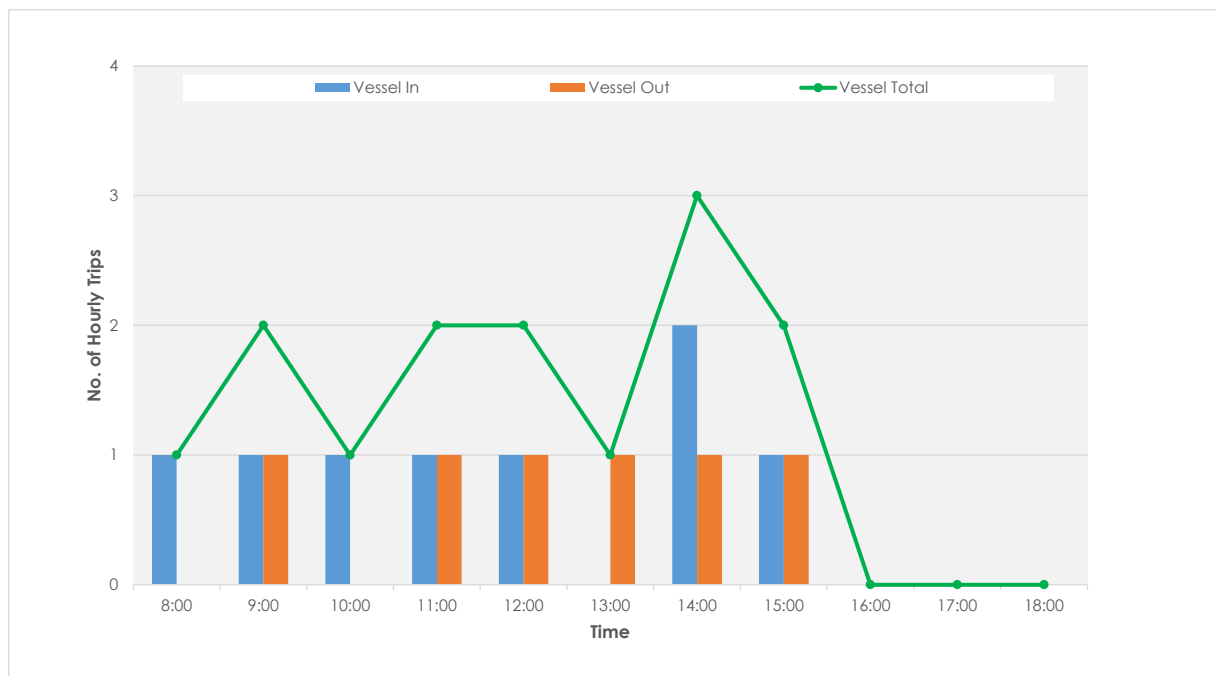


Table 3.21: MA04 Survey Results (Saturday 15-minute data)

Time Period			Vehicle-based Trips					Person-based Trips									Vessel Movements				
			In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied
								In	Out	Total	In	Out	Total	In	Out	Total					
8:00	to	8:15	0	0	0	0	0%	0	0	0	1	0	1	1	0	1	0	0	0	70	81%
8:15	to	8:30	0	0	0	0	0%	0	0	0	3	0	3	3	0	3	0	0	0	70	81%
8:30	to	8:45	0	0	0	0	0%	0	0	0	0	3	3	0	3	3	0	1	1	69	80%
8:45	to	9:00	0	0	0	0	0%	0	0	0	5	1	6	5	1	6	0	0	0	69	80%
9:00	to	9:15	0	0	0	0	0%	0	0	0	1	2	3	1	2	3	0	0	0	69	80%
9:15	to	9:30	0	0	0	0	0%	0	0	0	2	3	5	2	3	5	0	1	1	68	79%
9:30	to	9:45	0	0	0	0	0%	0	0	0	0	1	1	0	1	1	0	0	0	68	79%
9:45	to	10:00	0	0	0	0	0%	0	0	0	0	1	1	0	1	1	0	0	0	68	79%
10:00	to	10:15	0	0	0	0	0%	0	0	0	3	0	3	3	0	3	1	1	2	68	79%
10:15	to	10:30	0	0	0	0	0%	0	0	0	0	4	4	0	4	4	0	0	0	68	79%
10:30	to	10:45	0	0	0	0	0%	0	0	0	2	0	2	2	0	2	0	1	1	67	78%
10:45	to	11:00	0	0	0	0	0%	0	0	0	0	0	0	0	0	0	0	0	0	67	78%
11:00	to	11:15	0	0	0	0	0%	0	0	0	1	3	4	1	3	4	2	1	3	68	79%
11:15	to	11:30	0	0	0	0	0%	0	0	0	0	0	0	0	0	0	0	0	0	68	79%
11:30	to	11:45	0	0	0	0	0%	0	0	0	0	0	0	0	0	0	0	0	0	68	79%
11:45	to	12:00	0	0	0	0	0%	0	0	0	2	1	3	2	1	3	1	0	1	69	80%
12:00	to	12:15	0	0	0	0	0%	0	0	0	1	0	1	1	0	1	0	1	1	68	79%
12:15	to	12:30	0	0	0	0	0%	0	0	0	0	0	0	0	0	0	0	0	0	68	79%
12:30	to	12:45	0	0	0	0	0%	0	0	0	3	2	5	3	2	5	0	1	1	67	78%
12:45	to	13:00	0	0	0	0	0%	0	0	0	0	0	0	0	0	0	0	0	0	67	78%
13:00	to	13:15	0	0	0	0	0%	0	0	0	0	2	2	0	2	2	0	0	0	67	78%
13:15	to	13:30	0	0	0	0	0%	0	0	0	0	0	0	0	0	0	0	0	0	67	78%
13:30	to	13:45	0	0	0	0	0%	0	0	0	2	0	2	2	0	2	0	1	1	66	77%
13:45	to	14:00	0	0	0	0	0%	0	0	0	0	1	1	0	1	1	0	0	0	66	77%
14:00	to	14:15	0	0	0	0	0%	0	0	0	0	0	0	0	0	0	0	0	0	66	77%
14:15	to	14:30	0	0	0	0	0%	0	0	0	1	1	2	1	1	2	0	0	0	66	77%
14:30	to	14:45	0	0	0	0	0%	0	0	0	0	1	1	0	1	1	1	0	1	67	78%
14:45	to	15:00	0	0	0	0	0%	0	0	0	3	0	3	3	0	3	0	1	1	66	77%
15:00	to	15:15	0	0	0	0	0%	0	0	0	0	1	1	0	1	1	0	0	0	66	77%
15:15	to	15:30	0	0	0	0	0%	0	0	0	1	0	1	1	0	1	0	1	1	65	76%
15:30	to	15:45	0	0	0	0	0%	0	0	0	0	2	2	0	2	2	1	0	1	66	77%
15:45	to	16:00	0	0	0	0	0%	0	0	0	3	1	4	3	1	4	1	0	1	67	78%
16:00	to	16:15	0	0	0	0	0%	0	0	0	0	0	0	0	0	0	0	0	0	67	78%
16:15	to	16:30	0	0	0	0	0%	0	0	0	4	0	4	4	0	4	1	1	2	67	78%
16:30	to	16:45	0	0	0	0	0%	0	0	0	0	0	0	0	0	0	1	0	1	68	79%
16:45	to	17:00	0	0	0	0	0%	0	0	0	0	3	3	0	3	3	0	0	0	68	79%
17:00	to	17:15	0	0	0	0	0%	0	0	0	0	0	0	0	0	0	0	0	0	68	79%
17:15	to	17:30	0	0	0	0	0%	0	0	0	0	0	0	0	0	0	0	0	0	68	79%
17:30	to	17:45	0	0	0	0	0%	0	0	0	0	0	0	0	0	0	0	0	0	68	79%
17:45	to	18:00	0	0	0	0	0%	0	0	0	0	0	0	0	0	0	0	0	0	68	79%
18:00	to	18:15	0	0	0	0	0%	0	0	0	0	0	0	0	0	0	0	0	0	68	79%
18:15	to	18:30	0	0	0	0	0%	0	0	0	0	0	0	0	0	0	0	0	0	68	79%
18:30	to	18:45	0	0	0	0	0%	0	0	0	0	0	0	0	0	0	0	0	0	68	79%
18:45	to	19:00	0	0	0	0	0%	0	0	0	0	0	0	0	0	0	0	0	0	68	79%

Table 3.22: MA04 Survey Results (Saturday hourly data)

Time Period			Vehicle-based Trips					Person-based Trips												Vessel Movements				
			In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied			
								In	Out	Total	In	Out	Total	In	Out	Total								
8:00 to 9:00	0	0	0	0	0%	0	0	0	9	4	13	9	4	13	0	1	1	70	81%					
8:15 to 9:15	0	0	0	0	0%	0	0	0	9	6	15	9	6	15	0	1	1	70	81%					
8:30 to 9:30	0	0	0	0	0%	0	0	0	8	9	17	8	9	17	0	2	2	69	80%					
8:45 to 9:45	0	0	0	0	0%	0	0	0	8	7	15	8	7	15	0	1	1	69	80%					
9:00 to 10:00	0	0	0	0	0%	0	0	0	3	7	10	3	7	10	0	1	1	69	80%					
9:15 to 10:15	0	0	0	0	0%	0	0	0	5	5	10	5	5	10	1	2	3	68	79%					
9:30 to 10:30	0	0	0	0	0%	0	0	0	3	6	9	3	6	9	1	1	2	68	79%					
9:45 to 10:45	0	0	0	0	0%	0	0	0	5	5	10	5	5	10	1	2	3	68	79%					
10:00 to 11:00	0	0	0	0	0%	0	0	0	5	4	9	5	4	9	1	2	3	68	79%					
10:15 to 11:15	0	0	0	0	0%	0	0	0	3	7	10	3	7	10	2	2	4	68	79%					
10:30 to 11:30	0	0	0	0	0%	0	0	0	3	3	6	3	3	6	2	2	4	68	79%					
10:45 to 11:45	0	0	0	0	0%	0	0	0	1	3	4	1	3	4	2	1	3	68	79%					
11:00 to 12:00	0	0	0	0	0%	0	0	0	3	4	7	3	4	7	3	1	4	69	80%					
11:15 to 12:15	0	0	0	0	0%	0	0	0	3	1	4	3	1	4	1	1	2	69	80%					
11:30 to 12:30	0	0	0	0	0%	0	0	0	3	1	4	3	1	4	1	1	2	69	80%					
11:45 to 12:45	0	0	0	0	0%	0	0	0	6	3	9	6	3	9	1	2	3	69	80%					
12:00 to 13:00	0	0	0	0	0%	0	0	0	4	2	6	4	2	6	0	2	2	68	79%					
12:15 to 13:15	0	0	0	0	0%	0	0	0	3	4	7	3	4	7	0	1	1	68	79%					
12:30 to 13:30	0	0	0	0	0%	0	0	0	3	4	7	3	4	7	0	1	1	67	78%					
12:45 to 13:45	0	0	0	0	0%	0	0	0	2	2	4	2	2	4	0	1	1	67	78%					
13:00 to 14:00	0	0	0	0	0%	0	0	0	2	3	5	2	3	5	0	1	1	67	78%					
13:15 to 14:15	0	0	0	0	0%	0	0	0	2	1	3	2	1	3	0	1	1	67	78%					
13:30 to 14:30	0	0	0	0	0%	0	0	0	3	2	5	3	2	5	0	1	1	66	77%					
13:45 to 14:45	0	0	0	0	0%	0	0	0	1	3	4	1	3	4	1	0	1	67	78%					
14:00 to 15:00	0	0	0	0	0%	0	0	0	4	2	6	4	2	6	1	1	2	67	78%					
14:15 to 15:15	0	0	0	0	0%	0	0	0	4	3	7	4	3	7	1	1	2	67	78%					
14:30 to 15:30	0	0	0	0	0%	0	0	0	4	2	6	4	2	6	1	2	3	67	78%					
14:45 to 15:45	0	0	0	0	0%	0	0	0	4	3	7	4	3	7	1	2	3	66	77%					
15:00 to 16:00	0	0	0	0	0%	0	0	0	4	4	8	4	4	8	2	1	3	67	78%					
15:15 to 16:15	0	0	0	0	0%	0	0	0	4	3	7	4	3	7	2	1	3	67	78%					
15:30 to 16:30	0	0	0	0	0%	0	0	0	7	3	10	7	3	10	3	1	4	67	78%					
15:45 to 16:45	0	0	0	0	0%	0	0	0	7	1	8	7	1	8	3	1	4	68	79%					
16:00 to 17:00	0	0	0	0	0%	0	0	0	4	3	7	4	3	7	2	1	3	68	79%					
16:15 to 17:15	0	0	0	0	0%	0	0	0	4	3	7	4	3	7	2	1	3	68	79%					
16:30 to 17:30	0	0	0	0	0%	0	0	0	0	3	3	0	3	3	1	0	1	68	79%					
16:45 to 17:45	0	0	0	0	0%	0	0	0	0	3	3	0	3	3	0	0	0	68	79%					
17:00 to 18:00	0	0	0	0	0%	0	0	0	0	0	0	0	0	0	0	0	0	68	79%					
17:15 to 18:15	0	0	0	0	0%	0	0	0	0	0	0	0	0	0	0	0	0	68	79%					
17:30 to 18:30	0	0	0	0	0%	0	0	0	0	0	0	0	0	0	0	0	0	68	79%					
17:45 to 18:45	0	0	0	0	0%	0	0	0	0	0	0	0	0	0	0	0	0	68	79%					
18:00 to 19:00	0	0	0	0	0%	0	0	0	0	0	0	0	0	0	0	0	0	68	79%					

 Network AM peak hour
 Site peak hour

Figure 3.30: MA04 Survey Results (Saturday) – Person Trips

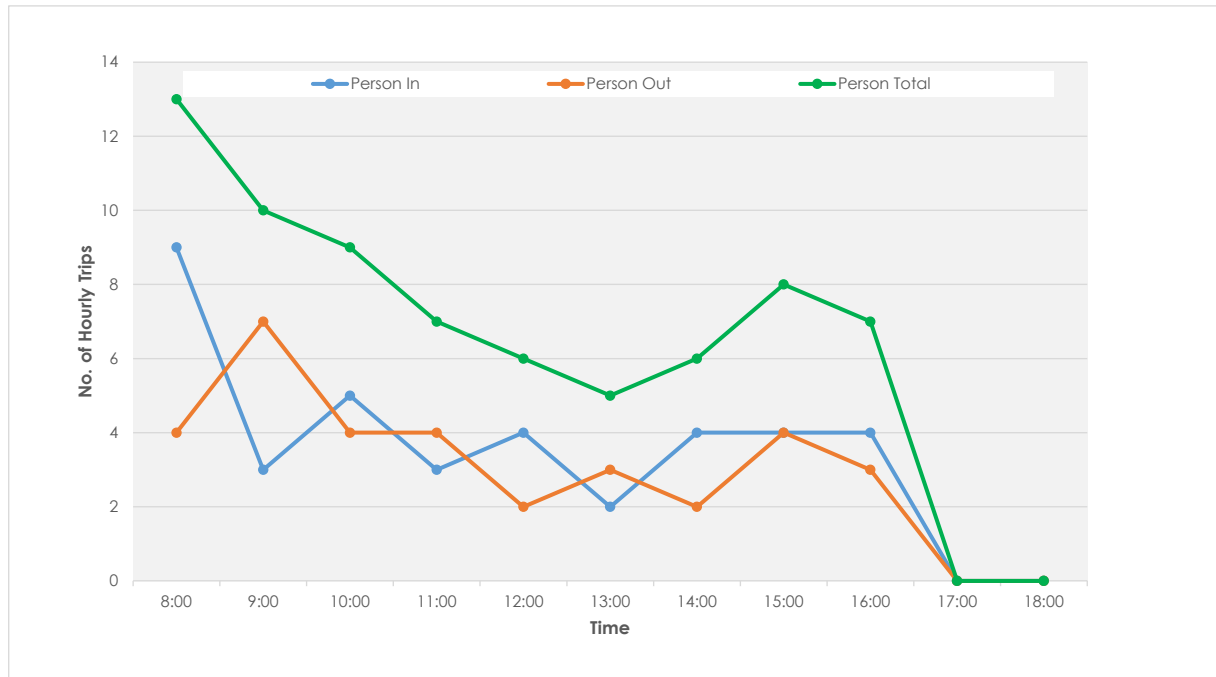


Figure 3.31: MA04 Survey Results (Saturday) – Vessel Movements



Table 3.23: MA04 Survey Results (Sunday 15-minute data)

Time Period	Vehicle-based Trips						Person-based Trips									Vessel Movements				
	In	Out	Total	Max Accumulation	% Occupied		Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied
8:00 to 8:15	0	0	0	0	0%		0	0	0	4	2	6	4	2	6	0	0	0	71	83%
8:15 to 8:30	0	0	0	0	0%		0	0	0	6	3	9	6	3	9	0	0	0	71	83%
8:30 to 8:45	0	0	0	0	0%		0	0	0	7	4	11	7	4	11	0	0	0	71	83%
8:45 to 9:00	0	0	0	0	0%		0	0	0	12	3	15	12	3	15	0	1	1	70	81%
9:00 to 9:15	0	0	0	0	0%		0	0	0	9	4	13	9	4	13	0	0	0	70	81%
9:15 to 9:30	0	0	0	0	0%		0	0	0	4	6	10	4	6	10	1	0	1	71	83%
9:30 to 9:45	0	0	0	0	0%		0	0	0	7	2	9	7	2	9	0	1	1	70	81%
9:45 to 10:00	0	0	0	0	0%		0	0	0	6	1	7	6	1	7	0	1	1	69	80%
10:00 to 10:15	0	0	0	0	0%		0	0	0	7	2	9	7	2	9	0	0	0	69	80%
10:15 to 10:30	0	0	0	0	0%		0	0	0	3	1	4	3	1	4	0	0	0	69	80%
10:30 to 10:45	0	0	0	0	0%		0	0	0	9	0	9	9	0	9	1	1	2	69	80%
10:45 to 11:00	0	0	0	0	0%		0	0	0	2	12	14	2	12	14	0	2	2	67	78%
11:00 to 11:15	0	0	0	0	0%		0	0	0	7	4	11	7	4	11	0	0	0	67	78%
11:15 to 11:30	0	0	0	0	0%		0	0	0	5	2	7	5	2	7	1	1	2	67	78%
11:30 to 11:45	0	0	0	0	0%		0	0	0	6	6	12	6	6	12	0	0	0	67	78%
11:45 to 12:00	0	0	0	0	0%		0	0	0	3	5	8	3	5	8	0	1	1	66	77%
12:00 to 12:15	0	0	0	0	0%		0	0	0	4	0	4	4	0	4	1	0	1	67	78%
12:15 to 12:30	0	0	0	0	0%		0	0	0	11	7	18	11	7	18	0	1	1	66	77%
12:30 to 12:45	0	0	0	0	0%		0	0	0	8	5	13	8	5	13	0	0	0	66	77%
12:45 to 13:00	0	0	0	0	0%		0	0	0	7	9	16	7	9	16	1	0	1	67	78%
13:00 to 13:15	0	0	0	0	0%		0	0	0	4	12	16	4	12	16	0	0	0	67	78%
13:15 to 13:30	0	0	0	0	0%		0	0	0	8	9	17	8	9	17	0	1	1	66	77%
13:30 to 13:45	0	0	0	0	0%		0	0	0	2	1	3	2	1	3	1	0	1	67	78%
13:45 to 14:00	0	0	0	0	0%		0	0	0	2	2	4	2	2	4	0	0	0	67	78%
14:00 to 14:15	0	0	0	0	0%		0	0	0	3	1	4	3	1	4	1	1	2	67	78%
14:15 to 14:30	0	0	0	0	0%		0	0	0	2	0	2	2	0	2	0	0	0	67	78%
14:30 to 14:45	0	0	0	0	0%		0	0	0	3	4	7	3	4	7	1	0	1	68	79%
14:45 to 15:00	0	0	0	0	0%		0	0	0	4	2	6	4	2	6	0	1	1	67	78%
15:00 to 15:15	0	0	0	0	0%		0	0	0	5	0	5	5	0	5	0	0	0	67	78%
15:15 to 15:30	0	0	0	0	0%		0	0	0	7	2	9	7	2	9	1	1	2	67	78%
15:30 to 15:45	0	0	0	0	0%		0	0	0	6	4	10	6	4	10	0	0	0	67	78%
15:45 to 16:00	0	0	0	0	0%		0	0	0	4	7	11	4	7	11	1	1	2	67	78%
16:00 to 16:15	0	0	0	0	0%		0	0	0	3	2	5	3	2	5	1	1	2	67	78%
16:15 to 16:30	0	0	0	0	0%		0	0	0	1	2	3	1	2	3	1	0	1	68	79%
16:30 to 16:45	0	0	0	0	0%		0	0	0	0	2	2	0	2	2	1	0	1	69	80%
16:45 to 17:00	0	0	0	0	0%		0	0	0	2	3	5	2	3	5	0	0	0	69	80%
17:00 to 17:15	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	69	80%
17:15 to 17:30	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	69	80%
17:30 to 17:45	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	69	80%
17:45 to 18:00	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	69	80%
18:00 to 18:15	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	69	80%
18:15 to 18:30	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	69	80%
18:30 to 18:45	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	69	80%
18:45 to 19:00	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	69	80%

Table 3.24: MA04 Survey Results (Sunday hourly data)

Time Period			Vehicle-based Trips					Person-based Trips									Vessel Movements				
			In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied
								In	Out	Total	In	Out	Total	In	Out	Total					
8:00 to 9:00	0	0	0	0	0%	0	0	0	29	12	41	29	12	41	0	1	1	71	83%		
8:15 to 9:15	0	0	0	0	0%	0	0	0	34	14	48	34	14	48	0	1	1	71	83%		
8:30 to 9:30	0	0	0	0	0%	0	0	0	32	17	49	32	17	49	1	1	2	71	83%		
8:45 to 9:45	0	0	0	0	0%	0	0	0	32	15	47	32	15	47	1	2	3	71	83%		
9:00 to 10:00	0	0	0	0	0%	0	0	0	26	13	39	26	13	39	1	2	3	71	83%		
9:15 to 10:15	0	0	0	0	0%	0	0	0	24	11	35	24	11	35	1	2	3	71	83%		
9:30 to 10:30	0	0	0	0	0%	0	0	0	23	6	29	23	6	29	0	2	2	70	81%		
9:45 to 10:45	0	0	0	0	0%	0	0	0	25	4	29	25	4	29	1	2	3	69	80%		
10:00 to 11:00	0	0	0	0	0%	0	0	0	21	15	36	21	15	36	1	3	4	69	80%		
10:15 to 11:15	0	0	0	0	0%	0	0	0	21	17	38	21	17	38	1	3	4	69	80%		
10:30 to 11:30	0	0	0	0	0%	0	0	0	23	18	41	23	18	41	2	4	6	69	80%		
10:45 to 11:45	0	0	0	0	0%	0	0	0	20	24	44	20	24	44	1	3	4	67	78%		
11:00 to 12:00	0	0	0	0	0%	0	0	0	21	17	38	21	17	38	1	2	3	67	78%		
11:15 to 12:15	0	0	0	0	0%	0	0	0	18	13	31	18	13	31	2	2	4	67	78%		
11:30 to 12:30	0	0	0	0	0%	0	0	0	24	18	42	24	18	42	1	2	3	67	78%		
11:45 to 12:45	0	0	0	0	0%	0	0	0	26	17	43	26	17	43	1	2	3	67	78%		
12:00 to 13:00	0	0	0	0	0%	0	0	0	30	21	51	30	21	51	2	1	3	67	78%		
12:15 to 13:15	0	0	0	0	0%	0	0	0	30	33	63	30	33	63	1	1	2	67	78%		
12:30 to 13:30	0	0	0	0	0%	0	0	0	27	35	62	27	35	62	1	1	2	67	78%		
12:45 to 13:45	0	0	0	0	0%	0	0	0	21	31	52	21	31	52	2	1	3	67	78%		
13:00 to 14:00	0	0	0	0	0%	0	0	0	16	24	40	16	24	40	1	1	2	67	78%		
13:15 to 14:15	0	0	0	0	0%	0	0	0	15	13	28	15	13	28	2	2	4	67	78%		
13:30 to 14:30	0	0	0	0	0%	0	0	0	9	4	13	9	4	13	2	1	3	67	78%		
13:45 to 14:45	0	0	0	0	0%	0	0	0	10	7	17	10	7	17	2	1	3	68	79%		
14:00 to 15:00	0	0	0	0	0%	0	0	0	12	7	19	12	7	19	2	2	4	68	79%		
14:15 to 15:15	0	0	0	0	0%	0	0	0	14	6	20	14	6	20	1	1	2	68	79%		
14:30 to 15:30	0	0	0	0	0%	0	0	0	19	8	27	19	8	27	2	2	4	68	79%		
14:45 to 15:45	0	0	0	0	0%	0	0	0	22	8	30	22	8	30	1	2	3	67	78%		
15:00 to 16:00	0	0	0	0	0%	0	0	0	22	13	35	22	13	35	2	2	4	67	78%		
15:15 to 16:15	0	0	0	0	0%	0	0	0	20	15	35	20	15	35	3	3	6	67	78%		
15:30 to 16:30	0	0	0	0	0%	0	0	0	14	15	29	14	15	29	3	2	5	68	79%		
15:45 to 16:45	0	0	0	0	0%	0	0	0	8	13	21	8	13	21	4	2	6	69	80%		
16:00 to 17:00	0	0	0	0	0%	0	0	0	6	9	15	6	9	15	3	1	4	69	80%		
16:15 to 17:15	0	0	0	0	0%	0	0	0	3	7	10	3	7	10	2	0	2	69	80%		
16:30 to 17:30	0	0	0	0	0%	0	0	0	2	5	7	2	5	7	1	0	1	69	80%		
16:45 to 17:45	0	0	0	0	0%	0	0	0	2	3	5	2	3	5	0	0	0	69	80%		
17:00 to 18:00	0	0	0	0	0%	0	0	0	0	0	0	0	0	0	0	0	0	69	80%		
17:15 to 18:15	0	0	0	0	0%	0	0	0	0	0	0	0	0	0	0	0	0	69	80%		
17:30 to 18:30	0	0	0	0	0%	0	0	0	0	0	0	0	0	0	0	0	0	69	80%		
17:45 to 18:45	0	0	0	0	0%	0	0	0	0	0	0	0	0	0	0	0	0	69	80%		
18:00 to 19:00	0	0	0	0	0%	0	0	0	0	0	0	0	0	0	0	0	0	69	80%		

 Network AM peak hour
 Site peak hour

Figure 3.32: MA04 Survey Results (Sunday) – Person Trips

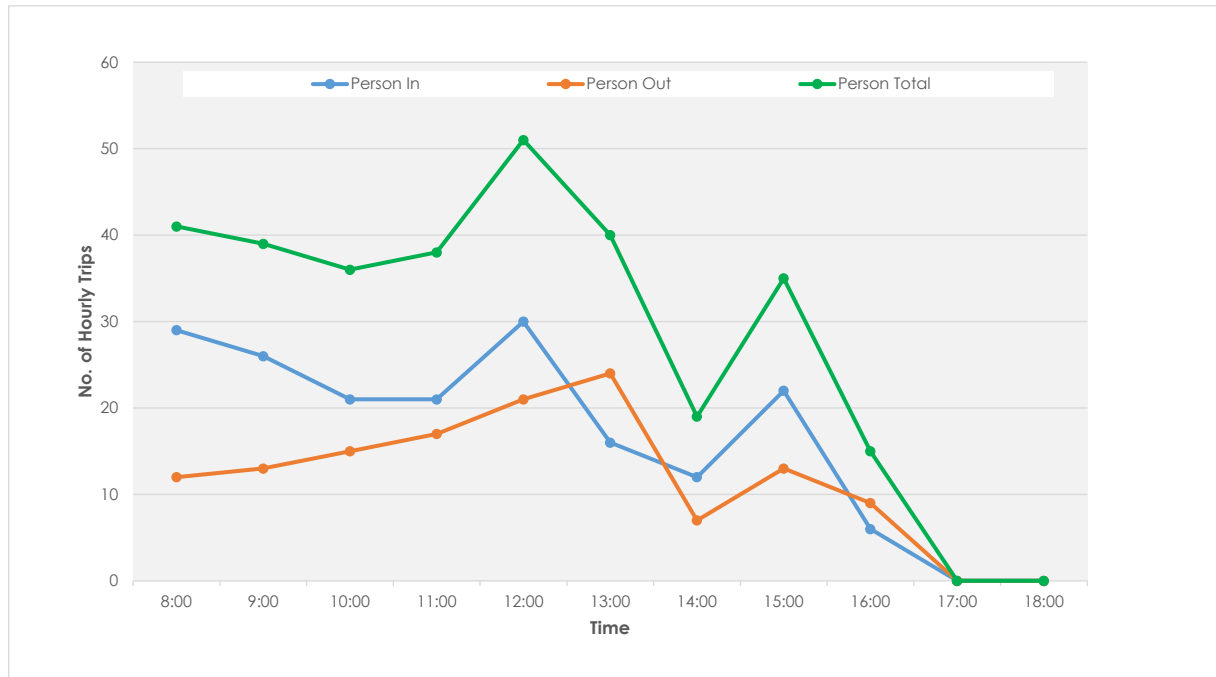
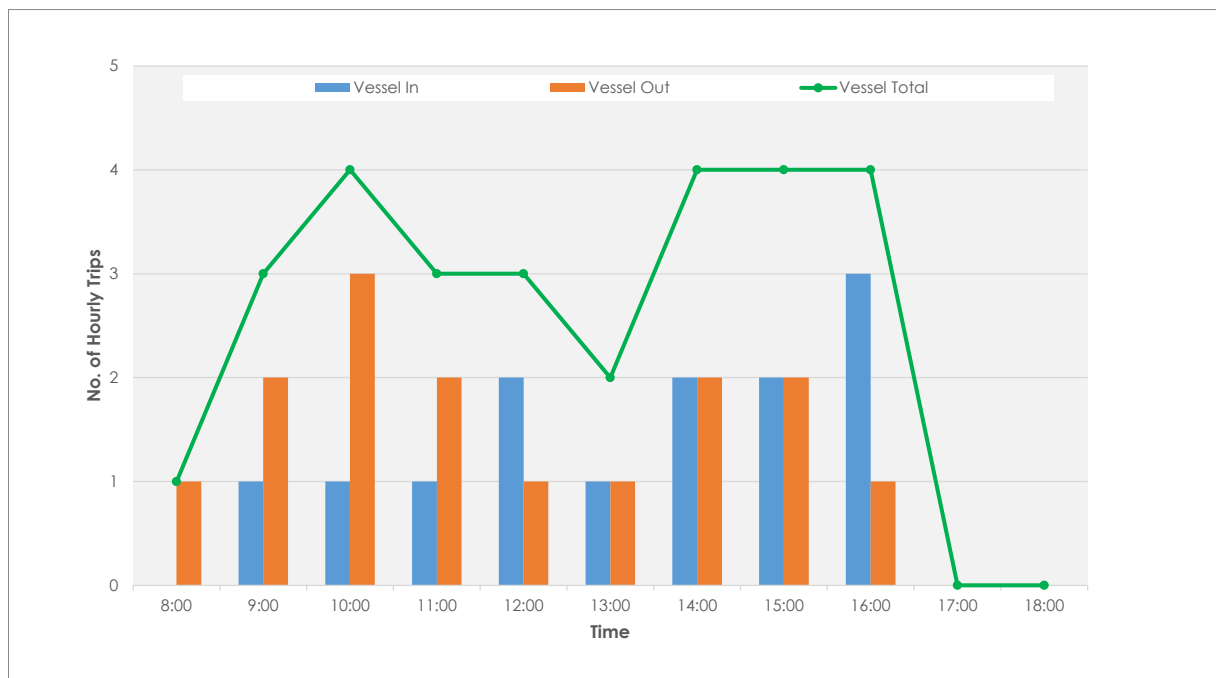


Figure 3.33: MA04 Survey Results (Sunday) – Vessel Movements



3.1.5 MA05 - Royal Motor Yacht Club, Port Hacking

Table 3.25: MA05 Survey Results (Friday 15-minute data)

Time Period			Vehicle-based Trips					Person-based Trips									Vessel Movements				
			In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied
								In	Out	Total	In	Out	Total	In	Out	Total					
8:00	to	8:15	0	0	0	13	14%	0	0	0	0	0	0	0	0	0	0	0	0	223	99%
8:15	to	8:30	0	0	0	13	14%	0	0	0	0	0	0	0	0	0	0	0	0	223	99%
8:30	to	8:45	0	0	0	13	14%	0	0	0	0	0	0	0	0	0	0	0	0	223	99%
8:45	to	9:00	0	0	0	13	14%	0	0	0	0	0	0	0	0	0	0	0	0	223	99%
9:00	to	9:15	0	0	0	13	14%	0	0	0	0	0	0	0	0	0	0	0	0	223	99%
9:15	to	9:30	0	0	0	13	14%	0	0	0	0	0	0	0	0	0	0	0	0	223	99%
9:30	to	9:45	0	0	0	13	14%	0	0	0	0	0	0	0	0	0	0	0	0	223	99%
9:45	to	10:00	0	0	0	13	14%	0	0	0	0	0	0	0	0	0	0	0	0	223	99%
10:00	to	10:15	0	0	0	13	14%	0	0	0	0	0	0	0	0	0	0	0	0	223	99%
10:15	to	10:30	0	0	0	13	14%	0	0	0	0	0	0	0	0	0	0	0	0	223	99%
10:30	to	10:45	0	0	0	13	14%	0	0	0	0	0	0	0	0	0	0	0	0	223	99%
10:45	to	11:00	0	0	0	13	14%	0	0	0	0	0	0	0	0	0	0	0	0	223	99%
11:00	to	11:15	0	0	0	13	14%	0	0	0	0	0	0	0	0	0	0	0	0	223	99%
11:15	to	11:30	2	0	2	15	17%	2	0	2	0	0	0	2	0	2	0	0	0	223	99%
11:30	to	11:45	0	0	0	15	17%	0	0	0	0	0	0	0	0	0	0	0	0	223	99%
11:45	to	12:00	3	1	4	17	19%	5	1	6	0	0	0	5	1	6	0	0	0	223	99%
12:00	to	12:15	2	0	2	19	21%	2	0	2	0	0	0	2	0	2	0	0	0	223	99%
12:15	to	12:30	4	1	5	22	24%	6	1	7	0	0	0	6	1	7	0	0	0	223	99%
12:30	to	12:45	2	2	4	22	24%	3	2	5	0	0	0	3	2	5	0	0	0	223	99%
12:45	to	13:00	2	0	2	24	27%	3	0	3	0	0	0	3	0	3	1	0	1	224	100%
13:00	to	13:15	2	1	3	25	28%	2	2	4	0	0	0	2	2	4	0	0	0	224	100%
13:15	to	13:30	0	0	0	25	28%	0	0	0	0	0	0	0	0	0	0	0	0	224	100%
13:30	to	13:45	0	0	0	25	28%	0	0	0	0	0	0	0	0	0	0	0	0	224	100%
13:45	to	14:00	1	0	1	26	29%	3	0	3	0	0	0	3	0	3	1	1	2	224	100%
14:00	to	14:15	2	0	2	28	31%	5	0	5	0	0	0	5	0	5	0	0	0	224	100%
14:15	to	14:30	0	2	2	26	29%	0	4	4	0	0	0	0	4	4	0	0	0	224	100%
14:30	to	14:45	0	1	1	25	28%	0	1	1	0	0	0	0	1	1	0	1	1	223	99%
14:45	to	15:00	2	3	5	24	27%	7	7	14	0	0	0	7	7	14	0	0	0	223	99%
15:00	to	15:15	1	0	1	25	28%	1	0	1	0	0	0	1	0	1	0	1	1	222	99%
15:15	to	15:30	2	1	3	26	29%	2	1	3	0	0	0	2	1	3	1	0	1	223	99%
15:30	to	15:45	0	5	5	21	23%	0	9	9	0	0	0	0	9	9	0	0	0	223	99%
15:45	to	16:00	3	0	3	24	27%	5	0	5	0	0	0	5	0	5	0	0	0	223	99%
16:00	to	16:15	7	1	8	30	33%	17	1	18	0	0	0	17	1	18	0	0	0	223	99%
16:15	to	16:30	4	3	7	31	34%	12	6	18	0	0	0	12	6	18	1	1	2	223	99%
16:30	to	16:45	4	2	6	33	37%	9	2	11	0	0	0	9	2	11	0	0	0	223	99%
16:45	to	17:00	6	0	6	39	43%	8	0	8	0	0	0	8	0	8	0	0	0	223	99%
17:00	to	17:15	11	3	14	47	52%	29	6	35	0	0	0	29	6	35	0	0	0	223	99%
17:15	to	17:30	7	5	12	49	54%	17	11	28	0	0	0	17	11	28	0	0	0	223	99%
17:30	to	17:45	4	4	8	49	54%	13	8	21	0	0	0	13	8	21	0	0	0	223	99%
17:45	to	18:00	5	2	7	52	58%	8	3	11	0	0	0	8	3	11	0	1	1	222	99%
18:00	to	18:15	7	1	8	58	64%	22	2	24	2	0	2	24	2	26	0	0	0	222	99%
18:15	to	18:30	5	3	8	60	67%	10	7	17	0	0	0	10	7	17	0	0	0	222	99%
18:30	to	18:45	13	4	17	69	77%	41	5	46	0	0	0	41	5	46	0	0	0	222	99%
18:45	to	19:00	12	6	18	75	83%	26	13	39	0	0	0	26	13	39	0	0	0	222	99%

Table 3.26: MA05 Survey Results (Friday hourly data)

Time Period	Vehicle-based Trips					Person-based Trips										Vessel Movements				
	In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total				In	Out	Total	Max Accumulation	% Occupied
						In	Out	Total	In	Out	Total	In	Out	Total	Total					
8:00 to 9:00	0	0	0	13	14%	0	0	0	0	0	0	0	0	0	0	0	0	0	223	99%
8:15 to 9:15	0	0	0	13	14%	0	0	0	0	0	0	0	0	0	0	0	0	0	223	99%
8:30 to 9:30	0	0	0	13	14%	0	0	0	0	0	0	0	0	0	0	0	0	0	223	99%
8:45 to 9:45	0	0	0	13	14%	0	0	0	0	0	0	0	0	0	0	0	0	0	223	99%
9:00 to 10:00	0	0	0	13	14%	0	0	0	0	0	0	0	0	0	0	0	0	0	223	99%
9:15 to 10:15	0	0	0	13	14%	0	0	0	0	0	0	0	0	0	0	0	0	0	223	99%
9:30 to 10:30	0	0	0	13	14%	0	0	0	0	0	0	0	0	0	0	0	0	0	223	99%
9:45 to 10:45	0	0	0	13	14%	0	0	0	0	0	0	0	0	0	0	0	0	0	223	99%
10:00 to 11:00	0	0	0	13	14%	0	0	0	0	0	0	0	0	0	0	0	0	0	223	99%
10:15 to 11:15	0	0	0	13	14%	0	0	0	0	0	0	0	0	0	0	0	0	0	223	99%
10:30 to 11:30	2	0	2	15	17%	2	0	2	0	0	0	2	0	2	0	0	0	0	223	99%
10:45 to 11:45	2	0	2	15	17%	2	0	2	0	0	0	2	0	2	0	0	0	0	223	99%
11:00 to 12:00	5	1	6	17	19%	7	1	8	0	0	0	7	1	8	0	0	0	0	223	99%
11:15 to 12:15	7	1	8	19	21%	9	1	10	0	0	0	9	1	10	0	0	0	0	223	99%
11:30 to 12:30	9	2	11	22	24%	13	2	15	0	0	0	13	2	15	0	0	0	0	223	99%
11:45 to 12:45	11	4	15	22	24%	16	4	20	0	0	0	16	4	20	0	0	0	0	223	99%
12:00 to 13:00	10	3	13	24	27%	14	3	17	0	0	0	14	3	17	1	0	1	1	224	100%
12:15 to 13:15	10	4	14	25	28%	14	5	19	0	0	0	14	5	19	1	0	1	1	224	100%
12:30 to 13:30	6	3	9	25	28%	8	4	12	0	0	0	8	4	12	1	0	1	1	224	100%
12:45 to 13:45	4	1	5	25	28%	5	2	7	0	0	0	5	2	7	1	0	1	1	224	100%
13:00 to 14:00	3	1	4	26	29%	5	2	7	0	0	0	5	2	7	1	1	2	2	224	100%
13:15 to 14:15	3	0	3	28	31%	8	0	8	0	0	0	8	0	8	1	1	2	2	224	100%
13:30 to 14:30	3	2	5	28	31%	8	4	12	0	0	0	8	4	12	1	1	2	2	224	100%
13:45 to 14:45	3	3	6	28	31%	8	5	13	0	0	0	8	5	13	1	2	3	3	224	100%
14:00 to 15:00	4	6	10	28	31%	12	12	24	0	0	0	12	12	24	0	1	1	1	224	100%
14:15 to 15:15	3	6	9	26	29%	8	12	20	0	0	0	8	12	20	0	2	2	2	224	100%
14:30 to 15:30	5	5	10	26	29%	10	9	19	0	0	0	10	9	19	1	2	3	3	223	99%
14:45 to 15:45	5	9	14	26	29%	10	17	27	0	0	0	10	17	27	1	1	2	2	223	99%
15:00 to 16:00	6	6	12	26	29%	8	10	18	0	0	0	8	10	18	1	1	2	2	223	99%
15:15 to 16:15	12	7	19	30	33%	24	11	35	0	0	0	24	11	35	1	0	1	1	223	99%
15:30 to 16:30	14	9	23	31	34%	34	16	50	0	0	0	34	16	50	1	1	2	2	223	99%
15:45 to 16:45	18	6	24	33	37%	43	9	52	0	0	0	43	9	52	1	1	2	2	223	99%
16:00 to 17:00	21	6	27	39	43%	46	9	55	0	0	0	46	9	55	1	1	2	2	223	99%
16:15 to 17:15	25	8	33	47	52%	58	14	72	0	0	0	58	14	72	1	1	2	2	223	99%
16:30 to 17:30	28	10	38	49	54%	63	19	82	0	0	0	63	19	82	0	0	0	0	223	99%
16:45 to 17:45	28	12	40	49	54%	67	25	92	0	0	0	67	25	92	0	0	0	0	223	99%
17:00 to 18:00	27	14	41	52	58%	67	28	95	0	0	0	67	28	95	0	1	1	1	223	99%
17:15 to 18:15	23	12	35	58	64%	60	24	84	2	0	2	62	24	86	0	1	1	1	223	99%
17:30 to 18:30	21	10	31	60	67%	53	20	73	2	0	2	55	20	75	0	1	1	1	223	99%
17:45 to 18:45	30	10	40	69	77%	81	17	98	2	0	2	83	17	100	0	1	1	1	222	99%
18:00 to 19:00	37	14	51	75	83%	99	27	126	2	0	2	101	27	128	0	0	0	0	222	99%

 Network AM peak hour
 Network PM peak hour
 Site AM peak hour
 Site PM peak hour
 Site (daily) peak hour

Figure 3.34: MA05 Survey Results (Friday) – Vehicle Trips

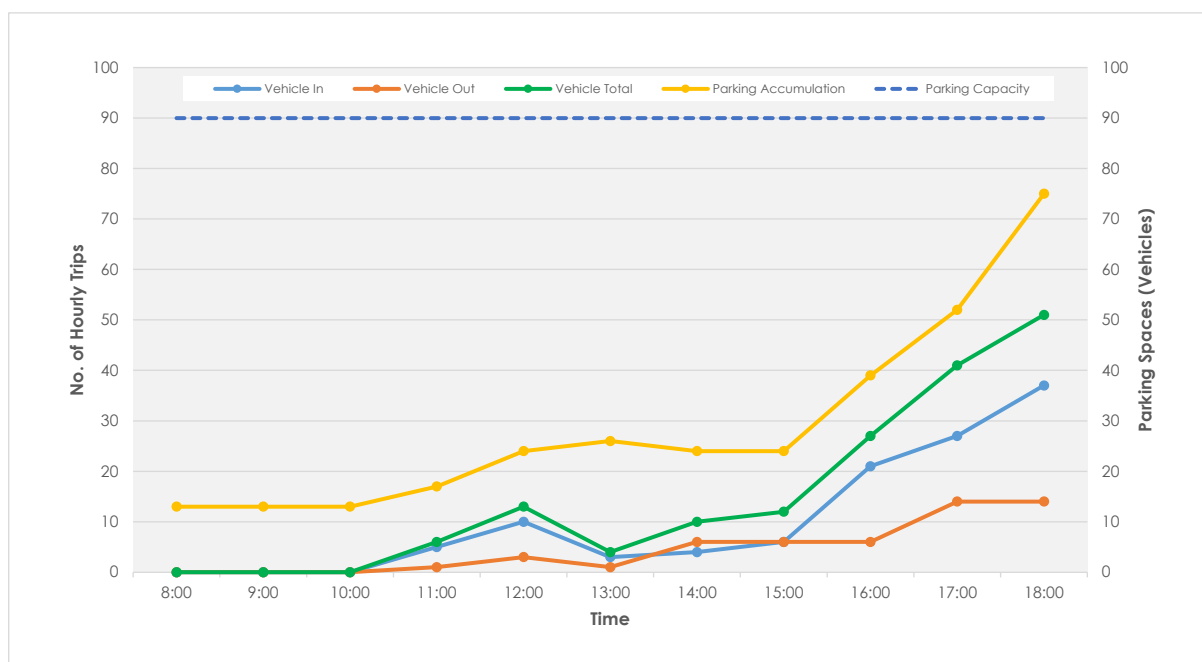


Figure 3.35: MA05 Survey Results (Friday) – Person Trips

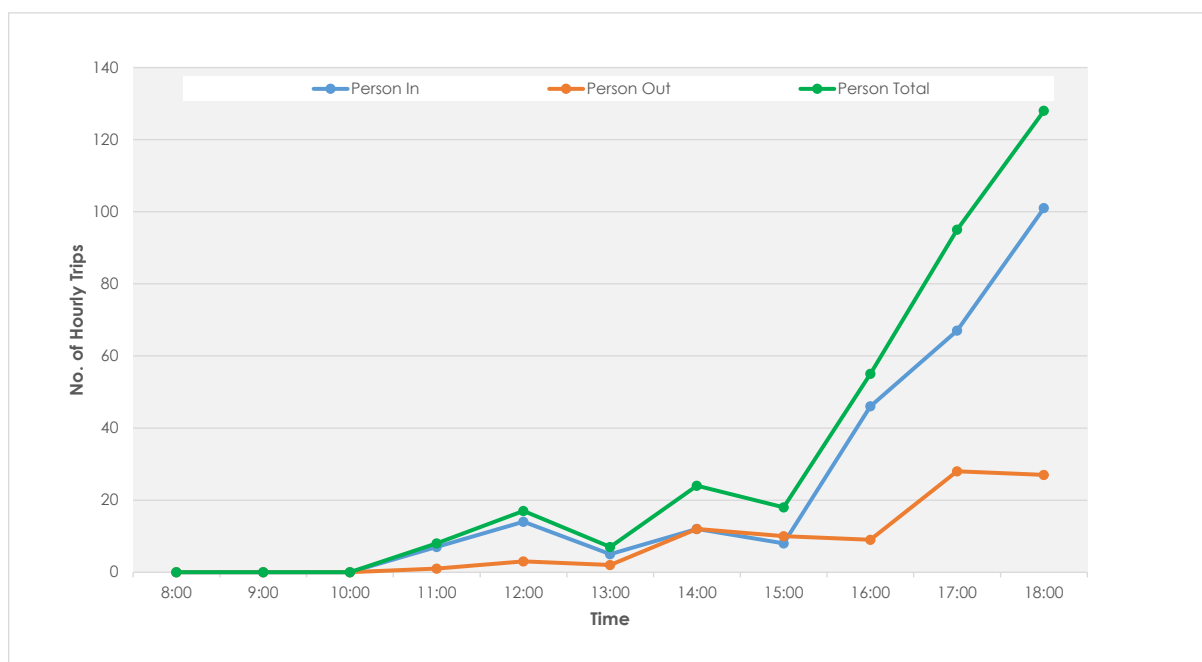


Figure 3.36: MA05 Survey Results (Friday) – Vessel Movements

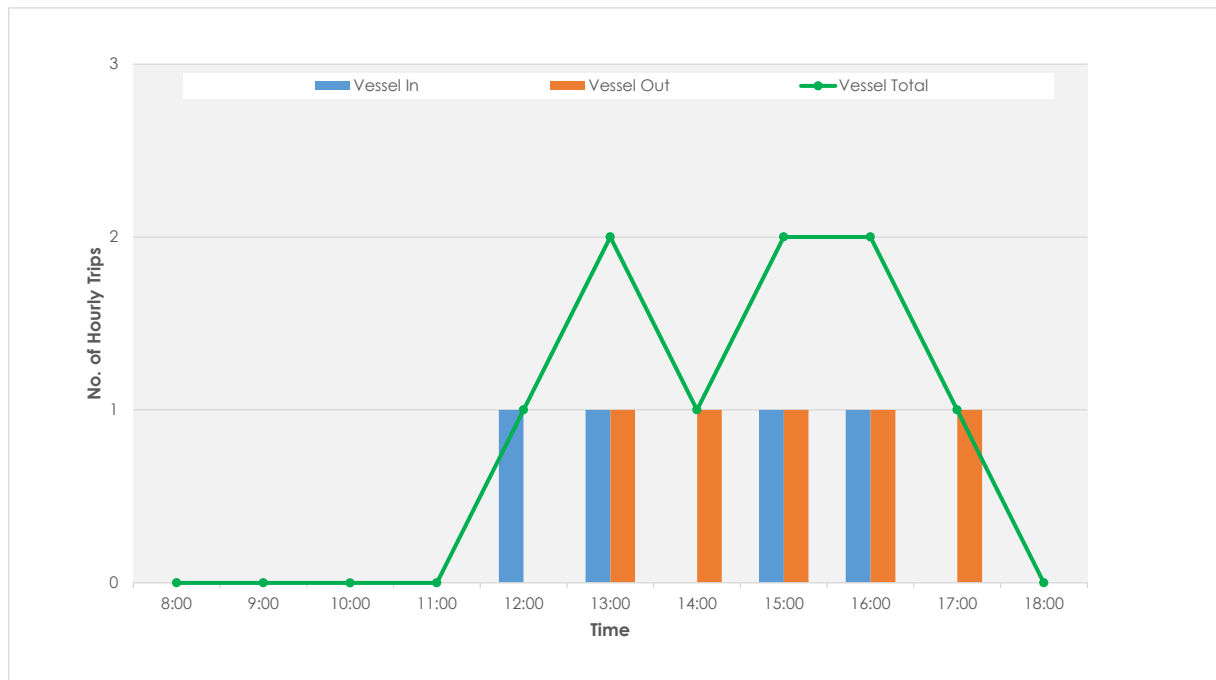


Table 3.27: MA05 Survey Results (Saturday 15-minute data)

Time Period	Vehicle-based Trips						Person-based Trips									Vessel Movements				
	In	Out	Total	Max Accumulation	% Occupied		Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied
8:00 to 8:15	0	0	0	23	26%		0	0	0	0	0	0	0	0	0	0	0	0	211	94%
8:15 to 8:30	0	0	0	23	26%		0	0	0	0	0	0	0	0	0	0	0	0	211	94%
8:30 to 8:45	0	0	0	23	26%		0	0	0	0	0	0	0	0	0	0	0	0	211	94%
8:45 to 9:00	0	0	0	23	26%		0	0	0	0	0	0	0	0	0	0	0	0	211	94%
9:00 to 9:15	0	0	0	23	26%		0	0	0	0	0	0	0	0	0	0	0	0	211	94%
9:15 to 9:30	0	0	0	23	26%		0	0	0	0	0	0	0	0	0	0	0	0	211	94%
9:30 to 9:45	0	0	0	23	26%		0	0	0	0	0	0	0	0	0	0	0	0	211	94%
9:45 to 10:00	0	0	0	23	26%		0	0	0	0	0	0	0	0	0	0	0	0	211	94%
10:00 to 10:15	0	0	0	23	26%		0	0	0	0	0	0	0	0	0	0	0	0	211	94%
10:15 to 10:30	0	0	0	23	26%		0	0	0	0	0	0	0	0	0	0	0	0	211	94%
10:30 to 10:45	0	0	0	23	26%		0	0	0	0	0	0	0	0	0	0	0	0	211	94%
10:45 to 11:00	0	0	0	23	26%		0	0	0	0	0	0	0	0	0	0	0	0	211	94%
11:00 to 11:15	2	0	2	25	28%		4	0	4	0	0	0	4	0	4	0	0	0	211	94%
11:15 to 11:30	1	0	1	26	29%		3	0	3	0	0	0	3	0	3	0	0	0	211	94%
11:30 to 11:45	0	0	0	26	29%		0	0	0	0	0	0	0	0	0	0	0	0	211	94%
11:45 to 12:00	4	1	5	29	32%		8	1	9	0	0	0	8	1	9	0	0	0	211	94%
12:00 to 12:15	1	0	1	30	33%		1	0	1	0	0	0	1	0	1	0	0	0	211	94%
12:15 to 12:30	5	0	5	35	39%		14	0	14	0	0	0	14	0	14	0	0	0	211	94%
12:30 to 12:45	3	1	4	37	41%		7	1	8	0	0	0	7	1	8	0	0	0	211	94%
12:45 to 13:00	1	0	1	38	42%		2	0	2	0	0	0	2	0	2	0	0	0	211	94%
13:00 to 13:15	2	0	2	40	44%		2	0	2	0	0	0	2	0	2	0	0	0	211	94%
13:15 to 13:30	2	2	4	40	44%		4	5	9	0	0	0	4	5	9	0	0	0	211	94%
13:30 to 13:45	1	0	1	41	46%		1	0	1	0	0	0	1	0	1	0	0	0	211	94%
13:45 to 14:00	1	0	1	42	47%		2	0	2	0	0	0	2	0	2	0	0	0	211	94%
14:00 to 14:15	3	1	4	44	49%		7	3	10	0	0	0	7	3	10	1	0	1	212	94%
14:15 to 14:30	2	0	2	46	51%		6	0	6	0	0	0	6	0	6	0	0	0	212	94%
14:30 to 14:45	0	2	2	44	49%		0	2	2	0	0	0	0	2	2	0	0	0	212	94%
14:45 to 15:00	4	0	4	48	53%		11	0	11	0	0	0	11	0	11	0	0	0	212	94%
15:00 to 15:15	2	0	2	50	56%		8	0	8	0	0	0	8	0	8	0	1	1	211	94%
15:15 to 15:30	2	1	3	51	57%		6	2	8	0	0	0	6	2	8	1	0	1	212	94%
15:30 to 15:45	3	1	4	53	59%		13	4	17	0	0	0	13	4	17	0	0	0	212	94%
15:45 to 16:00	2	0	2	55	61%		4	0	4	0	0	0	4	0	4	0	0	0	212	94%
16:00 to 16:15	1	3	4	53	59%		3	5	8	0	0	0	3	5	8	1	0	1	213	95%
16:15 to 16:30	3	0	3	56	62%		5	0	5	0	0	0	5	0	5	0	1	1	212	94%
16:30 to 16:45	0	2	2	54	60%		0	2	2	0	0	0	0	2	2	0	0	0	212	94%
16:45 to 17:00	2	1	3	55	61%		2	4	6	0	0	0	2	4	6	0	0	0	212	94%
17:00 to 17:15	5	2	7	58	64%		17	3	20	0	0	0	17	3	20	0	0	0	212	94%
17:15 to 17:30	4	1	5	61	68%		13	1	14	0	0	0	13	1	14	0	0	0	212	94%
17:30 to 17:45	7	3	10	65	72%		27	6	33	0	0	0	27	6	33	0	0	0	212	94%
17:45 to 18:00	3	1	4	67	74%		9	1	10	0	0	0	9	1	10	0	0	0	212	94%
18:00 to 18:15	5	2	7	70	78%		15	2	17	0	0	0	15	2	17	0	0	0	212	94%
18:15 to 18:30	8	2	10	76	84%		26	2	28	0	0	0	26	2	28	0	0	0	212	94%
18:30 to 18:45	4	1	5	79	88%		14	4	18	0	0	0	14	4	18	0	0	0	212	94%
18:45 to 19:00	6	3	9	82	91%		22	5	27	0	0	0	22	5	27	0	0	0	212	94%

Table 3.28: MA05 Survey Results (Saturday hourly data)

Time Period			Vehicle-based Trips					Person-based Trips									Vessel Movements				
			In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied
								In	Out	Total	In	Out	Total	In	Out	Total					
8:00 to 9:00	0	0	0	23	26%	0	0	0	0	0	0	0	0	0	0	0	0	0	211	94%	
8:15 to 9:15	0	0	0	23	26%	0	0	0	0	0	0	0	0	0	0	0	0	0	211	94%	
8:30 to 9:30	0	0	0	23	26%	0	0	0	0	0	0	0	0	0	0	0	0	0	211	94%	
8:45 to 9:45	0	0	0	23	26%	0	0	0	0	0	0	0	0	0	0	0	0	0	211	94%	
9:00 to 10:00	0	0	0	23	26%	0	0	0	0	0	0	0	0	0	0	0	0	0	211	94%	
9:15 to 10:15	0	0	0	23	26%	0	0	0	0	0	0	0	0	0	0	0	0	0	211	94%	
9:30 to 10:30	0	0	0	23	26%	0	0	0	0	0	0	0	0	0	0	0	0	0	211	94%	
9:45 to 10:45	0	0	0	23	26%	0	0	0	0	0	0	0	0	0	0	0	0	0	211	94%	
10:00 to 11:00	0	0	0	23	26%	0	0	0	0	0	0	0	0	0	0	0	0	0	211	94%	
10:15 to 11:15	2	0	2	25	28%	4	0	4	0	0	0	4	0	4	0	0	0	0	211	94%	
10:30 to 11:30	3	0	3	26	29%	7	0	7	0	0	0	7	0	7	0	0	0	0	211	94%	
10:45 to 11:45	3	0	3	26	29%	7	0	7	0	0	0	7	0	7	0	0	0	0	211	94%	
11:00 to 12:00	7	1	8	29	32%	15	1	16	0	0	0	15	1	16	0	0	0	0	211	94%	
11:15 to 12:15	6	1	7	30	33%	12	1	13	0	0	0	12	1	13	0	0	0	0	211	94%	
11:30 to 12:30	10	1	11	35	39%	23	1	24	0	0	0	23	1	24	0	0	0	0	211	94%	
11:45 to 12:45	13	2	15	37	41%	30	2	32	0	0	0	30	2	32	0	0	0	0	211	94%	
12:00 to 13:00	10	1	11	38	42%	24	1	25	0	0	0	24	1	25	0	0	0	0	211	94%	
12:15 to 13:15	11	1	12	40	44%	25	1	26	0	0	0	25	1	26	0	0	0	0	211	94%	
12:30 to 13:30	8	3	11	40	44%	15	6	21	0	0	0	15	6	21	0	0	0	0	211	94%	
12:45 to 13:45	6	2	8	41	46%	9	5	14	0	0	0	9	5	14	0	0	0	0	211	94%	
13:00 to 14:00	6	2	8	42	47%	9	5	14	0	0	0	9	5	14	0	0	0	0	211	94%	
13:15 to 14:15	7	3	10	44	49%	14	8	22	0	0	0	14	8	22	1	0	1	0	212	94%	
13:30 to 14:30	7	1	8	46	51%	16	3	19	0	0	0	16	3	19	1	0	1	0	212	94%	
13:45 to 14:45	6	3	9	46	51%	15	5	20	0	0	0	15	5	20	1	0	1	0	212	94%	
14:00 to 15:00	9	3	12	48	53%	24	5	29	0	0	0	24	5	29	1	0	1	0	212	94%	
14:15 to 15:15	8	2	10	50	56%	25	2	27	0	0	0	25	2	27	0	1	1	0	212	94%	
14:30 to 15:30	8	3	11	51	57%	25	4	29	0	0	0	25	4	29	1	1	2	0	212	94%	
14:45 to 15:45	11	2	13	53	59%	38	6	44	0	0	0	38	6	44	1	1	2	0	212	94%	
15:00 to 16:00	9	2	11	55	61%	31	6	37	0	0	0	31	6	37	1	1	2	0	212	94%	
15:15 to 16:15	8	5	13	55	61%	26	11	37	0	0	0	26	11	37	2	0	2	213	95%		
15:30 to 16:30	9	4	13	56	62%	25	9	34	0	0	0	25	9	34	1	1	2	213	95%		
15:45 to 16:45	6	5	11	56	62%	12	7	19	0	0	0	12	7	19	1	1	2	213	95%		
16:00 to 17:00	6	6	12	56	62%	10	11	21	0	0	0	10	11	21	1	1	2	213	95%		
16:15 to 17:15	10	5	15	58	64%	24	9	33	0	0	0	24	9	33	0	1	1	0	212	94%	
16:30 to 17:30	11	6	17	61	68%	32	10	42	0	0	0	32	10	42	0	0	0	0	212	94%	
16:45 to 17:45	18	7	25	65	72%	59	14	73	0	0	0	59	14	73	0	0	0	0	212	94%	
17:00 to 18:00	19	7	26	67	74%	66	11	77	0	0	0	66	11	77	0	0	0	0	212	94%	
17:15 to 18:15	19	7	26	70	78%	64	10	74	0	0	0	64	10	74	0	0	0	0	212	94%	
17:30 to 18:30	23	8	31	76	84%	77	11	88	0	0	0	77	11	88	0	0	0	0	212	94%	
17:45 to 18:45	20	6	26	79	88%	64	9	73	0	0	0	64	9	73	0	0	0	0	212	94%	
18:00 to 19:00	23	8	31	82	91%	77	13	90	0	0	0	77	13	90	0	0	0	0	212	94%	

 Network AM peak hour
 Site peak hour

Figure 3.37: MA05 Survey Results (Saturday) – Vehicle Trips

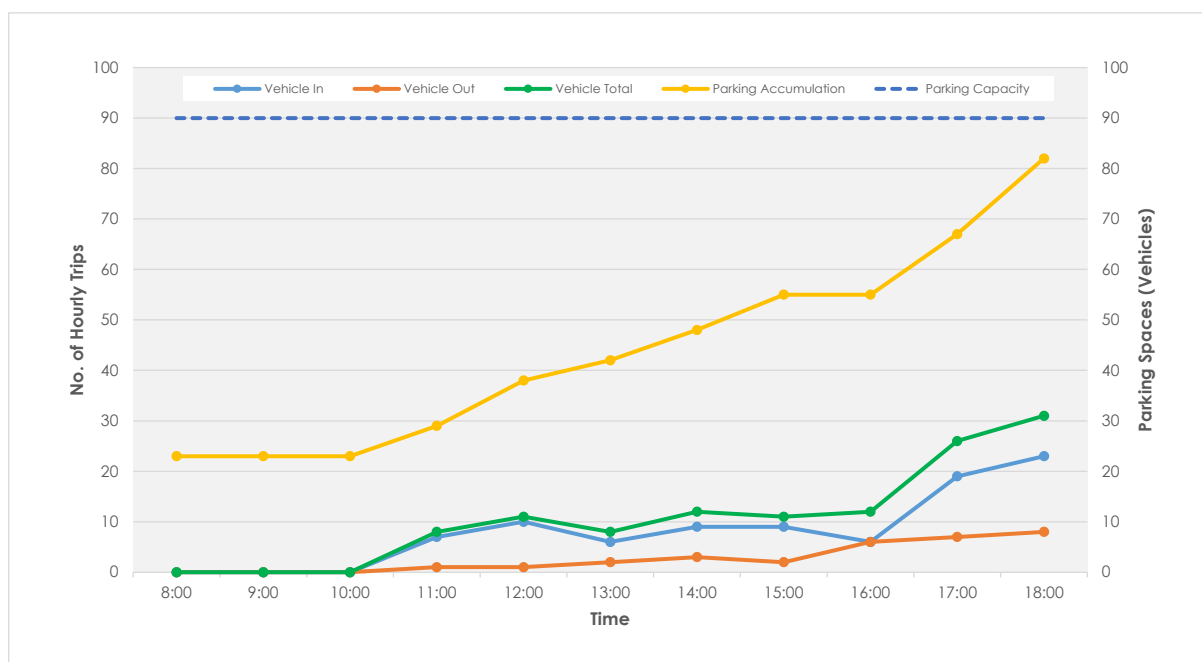


Figure 3.38: MA05 Survey Results (Saturday) – Person Trips

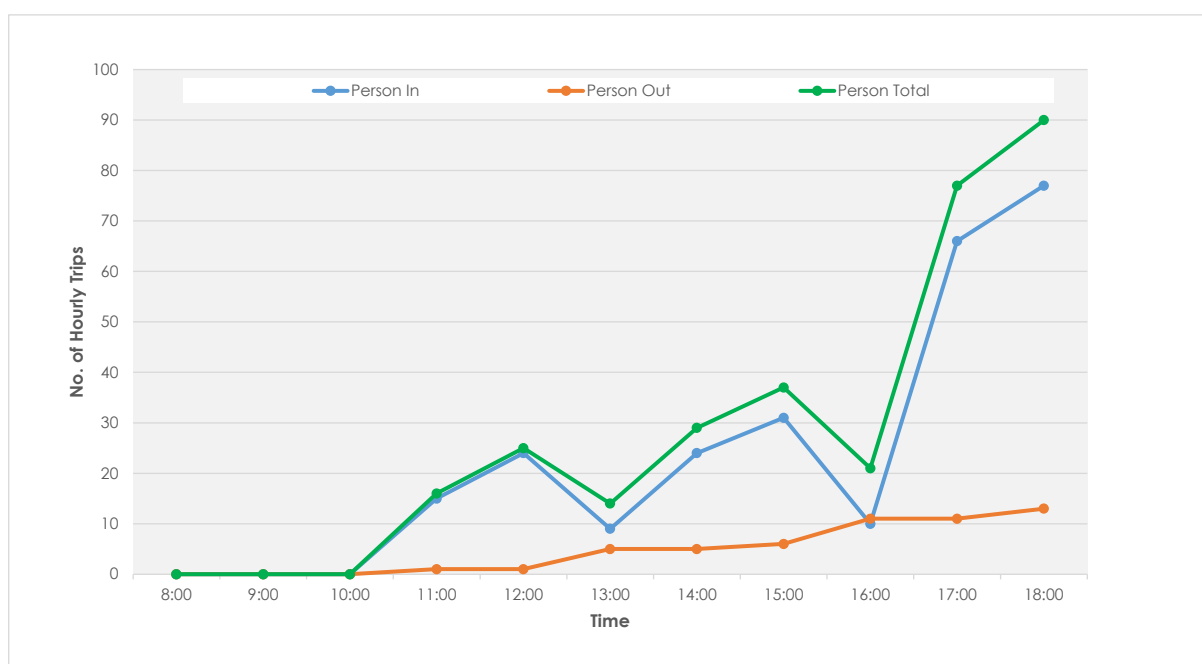


Figure 3.39: MA05 Survey Results (Saturday) – Vessel Movements

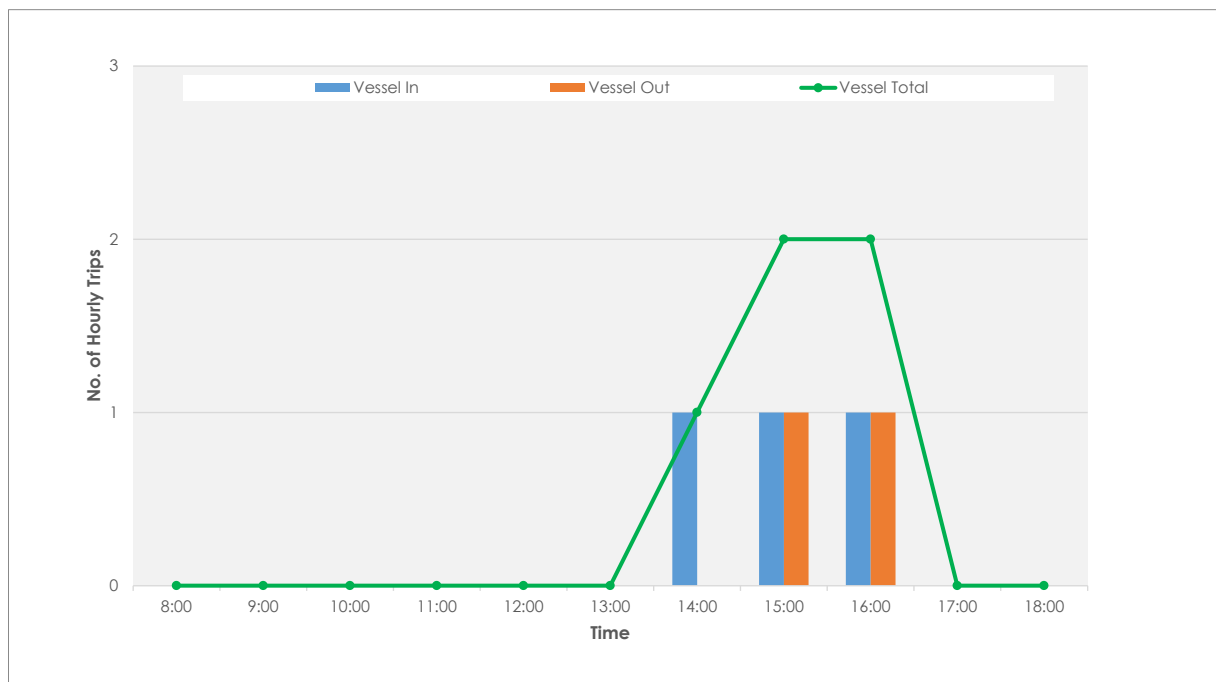


Table 3.29: MA05 Survey Results (Sunday 15-minute data)

Time Period	Vehicle-based Trips					Person-based Trips									Vessel Movements				
	In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied
8:00 to 8:15	0	0	0	14	16%	0	0	0	0	0	0	0	0	0	0	0	0	203	90%
8:15 to 8:30	0	0	0	14	16%	0	0	0	0	0	0	0	0	0	0	0	0	203	90%
8:30 to 8:45	0	0	0	14	16%	0	0	0	0	0	0	0	0	0	0	0	0	203	90%
8:45 to 9:00	0	0	0	14	16%	0	0	0	0	0	0	0	0	0	0	0	0	203	90%
9:00 to 9:15	0	0	0	14	16%	0	0	0	0	0	0	0	0	0	0	0	0	203	90%
9:15 to 9:30	0	0	0	14	16%	0	0	0	0	0	0	0	0	0	0	0	0	203	90%
9:30 to 9:45	0	0	0	14	16%	0	0	0	0	0	0	0	0	0	0	0	0	203	90%
9:45 to 10:00	0	0	0	14	16%	0	0	0	0	0	0	0	0	0	0	0	0	203	90%
10:00 to 10:15	0	0	0	14	16%	0	0	0	0	0	0	0	0	0	0	0	0	203	90%
10:15 to 10:30	0	0	0	14	16%	0	0	0	0	0	0	0	0	0	0	0	0	203	90%
10:30 to 10:45	0	0	0	14	16%	0	0	0	0	0	0	0	0	0	0	0	0	203	90%
10:45 to 11:00	0	0	0	14	16%	0	0	0	0	0	0	0	0	0	0	0	0	203	90%
11:00 to 11:15	2	0	2	16	18%	4	0	4	0	0	0	4	0	4	0	0	0	203	90%
11:15 to 11:30	1	0	1	17	19%	3	0	3	0	0	0	3	0	3	0	0	0	203	90%
11:30 to 11:45	5	0	5	22	24%	11	0	11	0	0	0	11	0	11	0	0	0	203	90%
11:45 to 12:00	2	1	3	23	26%	4	1	5	0	0	0	4	1	5	0	0	0	203	90%
12:00 to 12:15	4	0	4	27	30%	15	0	15	0	0	0	15	0	15	0	0	0	203	90%
12:15 to 12:30	3	2	5	28	31%	7	6	13	0	0	0	7	6	13	0	0	0	203	90%
12:30 to 12:45	0	0	0	28	31%	0	0	0	0	0	0	0	0	0	0	0	0	203	90%
12:45 to 13:00	2	0	2	30	33%	6	0	6	0	0	0	6	0	6	0	0	0	203	90%
13:00 to 13:15	2	0	2	32	36%	4	0	4	0	0	0	4	0	4	0	0	0	203	90%
13:15 to 13:30	4	1	5	35	39%	9	2	11	0	0	0	9	2	11	0	0	0	203	90%
13:30 to 13:45	5	0	5	40	44%	16	0	16	0	0	0	16	0	16	0	0	0	203	90%
13:45 to 14:00	2	0	2	42	47%	2	0	2	0	0	0	2	0	2	0	0	0	203	90%
14:00 to 14:15	3	2	5	43	48%	7	5	12	0	0	0	7	5	12	0	0	0	203	90%
14:15 to 14:30	1	0	1	44	49%	2	0	2	0	0	0	2	0	2	0	0	0	203	90%
14:30 to 14:45	2	0	2	46	51%	8	0	8	0	0	0	8	0	8	0	0	0	203	90%
14:45 to 15:00	3	1	4	48	53%	8	3	11	0	0	0	8	3	11	0	0	0	203	90%
15:00 to 15:15	3	1	4	50	56%	5	4	9	0	0	0	5	4	9	1	0	1	204	91%
15:15 to 15:30	1	0	1	51	57%	3	0	3	0	0	0	3	0	3	0	0	0	204	91%
15:30 to 15:45	2	0	2	53	59%	4	0	4	0	0	0	4	0	4	0	0	0	204	91%
15:45 to 16:00	1	1	2	53	59%	5	1	6	0	0	0	5	1	6	0	0	0	204	91%
16:00 to 16:15	4	2	6	55	61%	12	5	17	0	0	0	12	5	17	0	0	0	204	91%
16:15 to 16:30	5	0	5	60	67%	11	0	11	0	0	0	11	0	11	0	0	0	204	91%
16:30 to 16:45	3	3	6	60	67%	8	10	18	0	0	0	8	10	18	1	0	1	205	91%
16:45 to 17:00	3	2	5	61	68%	8	6	14	0	0	0	8	6	14	0	0	0	205	91%
17:00 to 17:15	6	2	8	65	72%	22	4	26	0	0	0	22	4	26	0	0	0	205	91%
17:15 to 17:30	2	1	3	66	73%	4	2	6	0	0	0	4	2	6	0	1	1	204	91%
17:30 to 17:45	3	2	5	67	74%	10	6	16	0	0	0	10	6	16	0	0	0	204	91%
17:45 to 18:00	4	1	5	70	78%	12	1	13	0	0	0	12	1	13	0	1	1	203	90%
18:00 to 18:15	4	2	6	72	80%	8	4	12	0	0	0	8	4	12	0	0	0	203	90%
18:15 to 18:30	5	1	6	76	84%	14	1	15	0	0	0	14	1	15	0	0	0	203	90%
18:30 to 18:45	3	1	4	78	87%	9	1	10	0	0	0	9	1	10	0	0	0	203	90%
18:45 to 19:00	2	2	4	78	87%	6	2	8	0	0	0	6	2	8	0	0	0	203	90%

Table 3.30: MA05 Survey Results (Sunday hourly data)

Time Period			Vehicle-based Trips					Person-based Trips									Vessel Movements				
			In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied
								In	Out	Total	In	Out	Total	In	Out	Total					
8:00 to 9:00	0	0	0	14	16%	0	0	0	0	0	0	0	0	0	0	0	0	0	203	90%	
8:15 to 9:15	0	0	0	14	16%	0	0	0	0	0	0	0	0	0	0	0	0	0	203	90%	
8:30 to 9:30	0	0	0	14	16%	0	0	0	0	0	0	0	0	0	0	0	0	0	203	90%	
8:45 to 9:45	0	0	0	14	16%	0	0	0	0	0	0	0	0	0	0	0	0	0	203	90%	
9:00 to 10:00	0	0	0	14	16%	0	0	0	0	0	0	0	0	0	0	0	0	0	203	90%	
9:15 to 10:15	0	0	0	14	16%	0	0	0	0	0	0	0	0	0	0	0	0	0	203	90%	
9:30 to 10:30	0	0	0	14	16%	0	0	0	0	0	0	0	0	0	0	0	0	0	203	90%	
9:45 to 10:45	0	0	0	14	16%	0	0	0	0	0	0	0	0	0	0	0	0	0	203	90%	
10:00 to 11:00	0	0	0	14	16%	0	0	0	0	0	0	0	0	0	0	0	0	0	203	90%	
10:15 to 11:15	2	0	2	16	18%	4	0	4	0	0	0	4	0	4	0	0	0	0	203	90%	
10:30 to 11:30	3	0	3	17	19%	7	0	7	0	0	0	7	0	7	0	0	0	0	203	90%	
10:45 to 11:45	8	0	8	22	24%	18	0	18	0	0	0	18	0	18	0	0	0	0	203	90%	
11:00 to 12:00	10	1	11	23	26%	22	1	23	0	0	0	22	1	23	0	0	0	0	203	90%	
11:15 to 12:15	12	1	13	27	30%	33	1	34	0	0	0	33	1	34	0	0	0	0	203	90%	
11:30 to 12:30	14	3	17	28	31%	37	7	44	0	0	0	37	7	44	0	0	0	0	203	90%	
11:45 to 12:45	9	3	12	28	31%	26	7	33	0	0	0	26	7	33	0	0	0	0	203	90%	
12:00 to 13:00	9	2	11	30	33%	28	6	34	0	0	0	28	6	34	0	0	0	0	203	90%	
12:15 to 13:15	7	2	9	32	36%	17	6	23	0	0	0	17	6	23	0	0	0	0	203	90%	
12:30 to 13:30	8	1	9	35	39%	19	2	21	0	0	0	19	2	21	0	0	0	0	203	90%	
12:45 to 13:45	13	1	14	40	44%	35	2	37	0	0	0	35	2	37	0	0	0	0	203	90%	
13:00 to 14:00	13	1	14	42	47%	31	2	33	0	0	0	31	2	33	0	0	0	0	203	90%	
13:15 to 14:15	14	3	17	43	48%	34	7	41	0	0	0	34	7	41	0	0	0	0	203	90%	
13:30 to 14:30	11	2	13	44	49%	27	5	32	0	0	0	27	5	32	0	0	0	0	203	90%	
13:45 to 14:45	8	2	10	46	51%	19	5	24	0	0	0	19	5	24	0	0	0	0	203	90%	
14:00 to 15:00	9	3	12	48	53%	25	8	33	0	0	0	25	8	33	0	0	0	0	203	90%	
14:15 to 15:15	9	2	11	50	56%	23	7	30	0	0	0	23	7	30	1	0	1	0	204	91%	
14:30 to 15:30	9	2	11	51	57%	24	7	31	0	0	0	24	7	31	1	0	1	0	204	91%	
14:45 to 15:45	9	2	11	53	59%	20	7	27	0	0	0	20	7	27	1	0	1	0	204	91%	
15:00 to 16:00	7	2	9	53	59%	17	5	22	0	0	0	17	5	22	1	0	1	0	204	91%	
15:15 to 16:15	8	3	11	55	61%	24	6	30	0	0	0	24	6	30	0	0	0	0	204	91%	
15:30 to 16:30	12	3	15	60	67%	32	6	38	0	0	0	32	6	38	0	0	0	0	204	91%	
15:45 to 16:45	13	6	19	60	67%	36	16	52	0	0	0	36	16	52	1	0	1	0	205	91%	
16:00 to 17:00	15	7	22	61	68%	39	21	60	0	0	0	39	21	60	1	0	1	0	205	91%	
16:15 to 17:15	17	7	24	65	72%	49	20	69	0	0	0	49	20	69	1	0	1	0	205	91%	
16:30 to 17:30	14	8	22	66	73%	42	22	64	0	0	0	42	22	64	1	1	2	0	205	91%	
16:45 to 17:45	14	7	21	67	74%	44	18	62	0	0	0	44	18	62	0	1	1	0	205	91%	
17:00 to 18:00	15	6	21	70	78%	48	13	61	0	0	0	48	13	61	0	2	2	0	205	91%	
17:15 to 18:15	13	6	19	72	80%	34	13	47	0	0	0	34	13	47	0	2	2	0	204	91%	
17:30 to 18:30	16	6	22	76	84%	44	12	56	0	0	0	44	12	56	0	1	1	0	204	91%	
17:45 to 18:45	16	5	21	78	87%	43	7	50	0	0	0	43	7	50	0	1	1	0	203	90%	
18:00 to 19:00	14	6	20	78	87%	37	8	45	0	0	0	37	8	45	0	0	0	0	203	90%	

 Network AM peak hour
 Site peak hour

Figure 3.40: MA05 Survey Results (Sunday) – Vehicle Trips

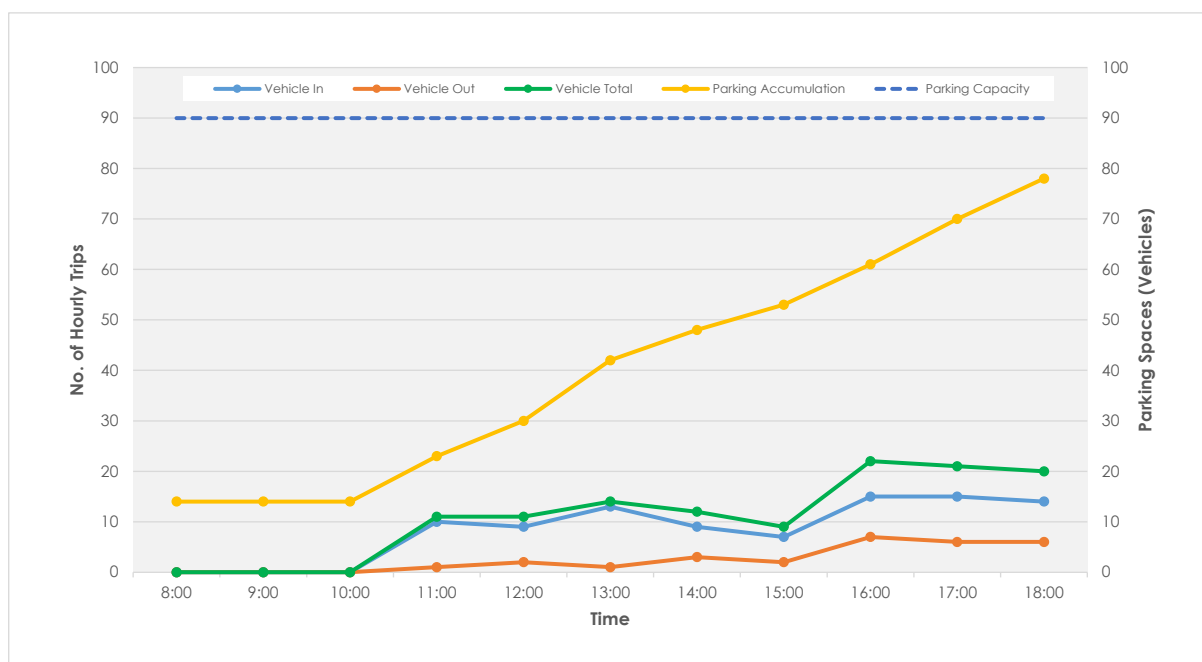


Figure 3.41: MA05 Survey Results (Sunday) – Person Trips

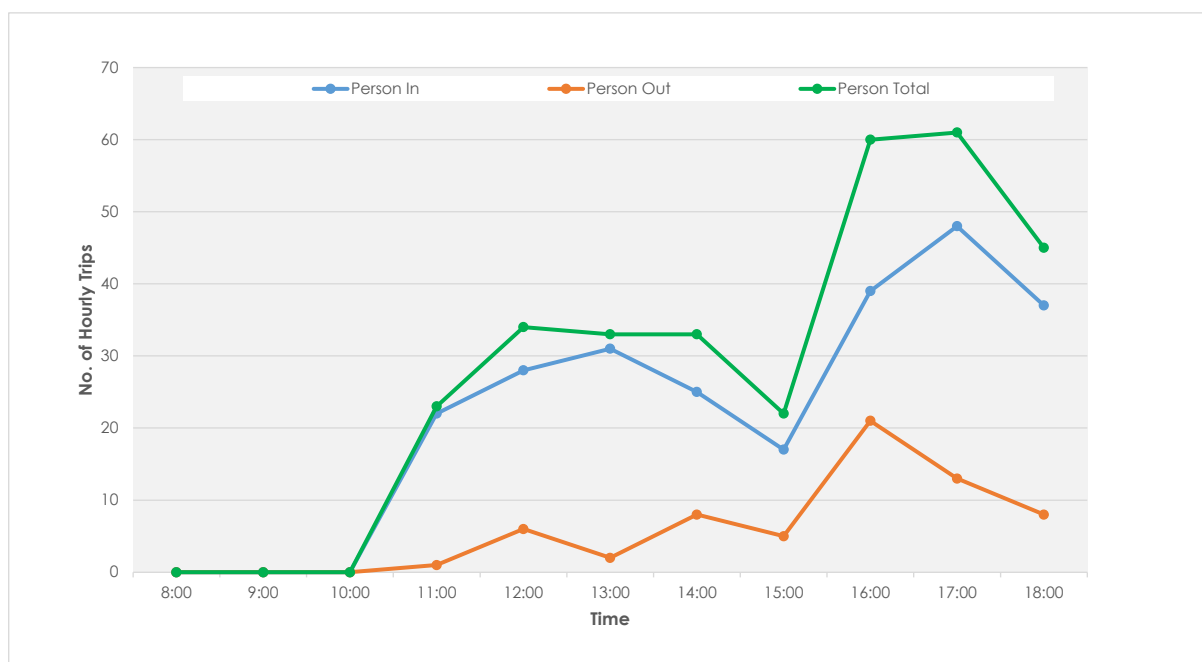
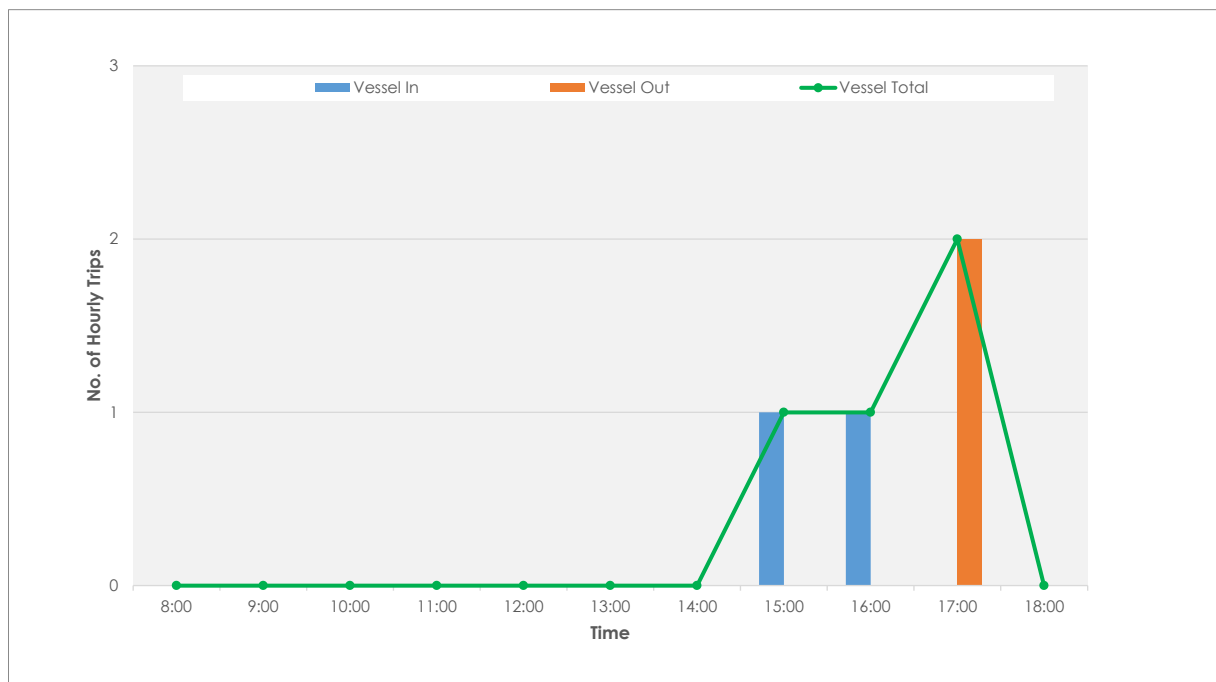


Figure 3.42: MA05 Survey Results (Sunday) – Vessel Movements



3.1.6 MA06 - Double Bay Marina

Table 3.31: MA06 Survey Results (Friday 15-minute data)

Time Period	Vehicle-based Trips						Person-based Trips										Vessel Movements				
	In	Out	Total	Max Accumulation	% Occupied		Car Occupants			Others			Total				In	Out	Total	Max Accumulation	% Occupied
							In	Out	Total	In	Out	Total	In	Out	Total	Total					
8:00 to 8:15	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	0	141	98%
8:15 to 8:30	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	0	141	98%
8:30 to 8:45	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	0	141	98%
8:45 to 9:00	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	0	141	98%
9:00 to 9:15	0	0	0	0	0%		0	0	0	1	0	1	1	0	1	0	0	0	0	141	98%
9:15 to 9:30	0	0	0	0	0%		0	0	0	2	1	3	2	1	3	1	1	2	2	141	98%
9:30 to 9:45	0	0	0	0	0%		0	0	0	4	0	4	4	0	4	1	1	2	2	141	98%
9:45 to 10:00	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	0	141	98%
10:00 to 10:15	0	0	0	0	0%		0	0	0	1	0	1	1	0	1	1	1	2	2	141	98%
10:15 to 10:30	0	0	0	0	0%		0	0	0	5	1	6	5	1	6	0	0	0	0	141	98%
10:30 to 10:45	0	0	0	0	0%		0	0	0	8	3	11	8	3	11	2	1	3	3	142	99%
10:45 to 11:00	0	0	0	0	0%		0	0	0	6	4	10	6	4	10	1	1	2	2	142	99%
11:00 to 11:15	0	0	0	0	0%		0	0	0	2	2	4	2	2	4	3	2	5	5	143	99%
11:15 to 11:30	0	0	0	0	0%		0	0	0	3	0	3	3	0	3	0	0	0	0	143	99%
11:30 to 11:45	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	1	1	2	2	143	99%
11:45 to 12:00	0	0	0	0	0%		0	0	0	0	2	2	0	2	2	0	0	0	0	143	99%
12:00 to 12:15	0	0	0	0	0%		0	0	0	1	4	5	1	4	5	1	1	2	2	143	99%
12:15 to 12:30	0	0	0	0	0%		0	0	0	3	2	5	3	2	5	1	2	3	3	142	99%
12:30 to 12:45	0	0	0	0	0%		0	0	0	13	0	13	13	0	13	1	1	2	2	142	99%
12:45 to 13:00	0	0	0	0	0%		0	0	0	2	1	3	2	1	3	1	1	2	2	142	99%
13:00 to 13:15	0	0	0	0	0%		0	0	0	6	0	6	6	0	6	2	2	4	4	142	99%
13:15 to 13:30	0	0	0	0	0%		0	0	0	3	2	5	3	2	5	1	2	3	3	141	98%
13:30 to 13:45	0	0	0	0	0%		0	0	0	2	0	2	2	0	2	1	1	2	2	141	98%
13:45 to 14:00	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	1	1	2	2	141	98%
14:00 to 14:15	0	0	0	0	0%		0	0	0	4	1	5	4	1	5	1	1	2	2	141	98%
14:15 to 14:30	0	0	0	0	0%		0	0	0	5	1	6	5	1	6	1	1	2	2	141	98%
14:30 to 14:45	0	0	0	0	0%		0	0	0	4	0	4	4	0	4	0	0	0	0	141	98%
14:45 to 15:00	0	0	0	0	0%		0	0	0	2	0	2	2	0	2	1	1	2	2	141	98%
15:00 to 15:15	0	0	0	0	0%		0	0	0	1	3	4	1	3	4	1	1	2	2	141	98%
15:15 to 15:30	0	0	0	0	0%		0	0	0	3	2	5	3	2	5	0	0	0	0	141	98%
15:30 to 15:45	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	1	1	2	2	141	98%
15:45 to 16:00	0	0	0	0	0%		0	0	0	4	1	5	4	1	5	0	1	1	1	140	97%
16:00 to 16:15	0	0	0	0	0%		0	0	0	2	1	3	2	1	3	1	0	1	1	141	98%
16:15 to 16:30	0	0	0	0	0%		0	0	0	4	0	4	4	0	4	0	1	1	1	140	97%
16:30 to 16:45	0	0	0	0	0%		0	0	0	4	1	5	4	1	5	1	1	2	2	140	97%
16:45 to 17:00	0	0	0	0	0%		0	0	0	3	2	5	3	2	5	1	1	2	2	140	97%
17:00 to 17:15	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	0	140	97%
17:15 to 17:30	0	0	0	0	0%		0	0	0	1	1	2	1	1	2	1	1	2	2	140	97%
17:30 to 17:45	0	0	0	0	0%		0	0	0	3	0	3	3	0	3	0	0	0	0	140	97%
17:45 to 18:00	0	0	0	0	0%		0	0	0	0	1	1	0	1	1	0	0	0	0	140	97%
18:00 to 18:15	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	0	140	97%
18:15 to 18:30	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	0	140	97%
18:30 to 18:45	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	0	140	97%
18:45 to 19:00	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	0	140	97%

Table 3.32: MA06 Survey Results (Friday hourly data)

Time Period	Vehicle-based Trips						Person-based Trips												Vessel Movements					
	In	Out	Total	Max Accumulation	% Occupied		Car Occupants			Others			Total							In	Out	Total	Max Accumulation	% Occupied
							In	Out	Total	In	Out	Total	In	Out	Total									
8:00 to 9:00	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	141	98%
8:15 to 9:15	0	0	0	0	0%		0	0	0	1	0	1	1	0	1	0	0	0	0	0	0	0	141	98%
8:30 to 9:30	0	0	0	0	0%		0	0	0	3	1	4	3	1	4	1	1	2	1	1	2	141	98%	
8:45 to 9:45	0	0	0	0	0%		0	0	0	7	1	8	7	1	8	2	2	4	2	2	4	141	98%	
9:00 to 10:00	0	0	0	0	0%		0	0	0	7	1	8	7	1	8	2	2	4	2	2	4	141	98%	
9:15 to 10:15	0	0	0	0	0%		0	0	0	7	1	8	7	1	8	3	3	6	3	3	6	141	98%	
9:30 to 10:30	0	0	0	0	0%		0	0	0	10	1	11	10	1	11	2	2	4	2	2	4	141	98%	
9:45 to 10:45	0	0	0	0	0%		0	0	0	14	4	18	14	4	18	3	2	5	3	2	5	142	99%	
10:00 to 11:00	0	0	0	0	0%		0	0	0	20	8	28	20	8	28	4	3	7	4	3	7	142	99%	
10:15 to 11:15	0	0	0	0	0%		0	0	0	21	10	31	21	10	31	6	4	10	6	4	10	143	99%	
10:30 to 11:30	0	0	0	0	0%		0	0	0	19	9	28	19	9	28	6	4	10	6	4	10	143	99%	
10:45 to 11:45	0	0	0	0	0%		0	0	0	11	6	17	11	6	17	5	4	9	5	4	9	143	99%	
11:00 to 12:00	0	0	0	0	0%		0	0	0	5	4	9	5	4	9	4	3	7	4	3	7	143	99%	
11:15 to 12:15	0	0	0	0	0%		0	0	0	4	6	10	4	6	10	2	2	4	2	2	4	143	99%	
11:30 to 12:30	0	0	0	0	0%		0	0	0	4	8	12	4	8	12	3	4	7	3	4	7	143	99%	
11:45 to 12:45	0	0	0	0	0%		0	0	0	17	8	25	17	8	25	3	4	7	3	4	7	143	99%	
12:00 to 13:00	0	0	0	0	0%		0	0	0	19	7	26	19	7	26	4	5	9	4	5	9	143	99%	
12:15 to 13:15	0	0	0	0	0%		0	0	0	24	3	27	24	3	27	5	6	11	5	6	11	142	99%	
12:30 to 13:30	0	0	0	0	0%		0	0	0	24	3	27	24	3	27	5	6	11	5	6	11	142	99%	
12:45 to 13:45	0	0	0	0	0%		0	0	0	13	3	16	13	3	16	5	6	11	5	6	11	142	99%	
13:00 to 14:00	0	0	0	0	0%		0	0	0	11	2	13	11	2	13	5	6	11	5	6	11	142	99%	
13:15 to 14:15	0	0	0	0	0%		0	0	0	9	3	12	9	3	12	4	5	9	4	5	9	141	98%	
13:30 to 14:30	0	0	0	0	0%		0	0	0	11	2	13	11	2	13	4	4	8	4	4	8	141	98%	
13:45 to 14:45	0	0	0	0	0%		0	0	0	13	2	15	13	2	15	3	3	6	3	3	6	141	98%	
14:00 to 15:00	0	0	0	0	0%		0	0	0	15	2	17	15	2	17	3	3	6	3	3	6	141	98%	
14:15 to 15:15	0	0	0	0	0%		0	0	0	12	4	16	12	4	16	3	3	6	3	3	6	141	98%	
14:30 to 15:30	0	0	0	0	0%		0	0	0	10	5	15	10	5	15	2	2	4	2	2	4	141	98%	
14:45 to 15:45	0	0	0	0	0%		0	0	0	6	5	11	6	5	11	3	3	6	3	3	6	141	98%	
15:00 to 16:00	0	0	0	0	0%		0	0	0	8	6	14	8	6	14	2	3	5	2	3	5	141	98%	
15:15 to 16:15	0	0	0	0	0%		0	0	0	9	4	13	9	4	13	2	2	4	2	2	4	141	98%	
15:30 to 16:30	0	0	0	0	0%		0	0	0	10	2	12	10	2	12	2	3	5	2	3	5	141	98%	
15:45 to 16:45	0	0	0	0	0%		0	0	0	14	3	17	14	3	17	2	3	5	2	3	5	141	98%	
16:00 to 17:00	0	0	0	0	0%		0	0	0	13	4	17	13	4	17	3	3	6	3	3	6	141	98%	
16:15 to 17:15	0	0	0	0	0%		0	0	0	11	3	14	11	3	14	2	3	5	2	3	5	140	97%	
16:30 to 17:30	0	0	0	0	0%		0	0	0	8	4	12	8	4	12	3	3	6	3	3	6	140	97%	
16:45 to 17:45	0	0	0	0	0%		0	0	0	7	3	10	7	3	10	2	2	4	2	2	4	140	97%	
17:00 to 18:00	0	0	0	0	0%		0	0	0	4	2	6	4	2	6	1	1	2	1	1	2	140	97%	
17:15 to 18:15	0	0	0	0	0%		0	0	0	4	2	6	4	2	6	1	1	2	1	1	2	140	97%	
17:30 to 18:30	0	0	0	0	0%		0	0	0	3	1	4	3	1	4	0	0	0	0	0	0	140	97%	
17:45 to 18:45	0	0	0	0	0%		0	0	0	0	1	1	0	1	1	0	0	0	0	0	0	140	97%	
18:00 to 19:00	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	140	97%	

 Network AM peak hour
 Network PM peak hour
 Site AM peak hour
 Site PM peak hour
 Site (daily) peak hour

Figure 3.43: MA06 Survey Results (Friday) – Person Trips

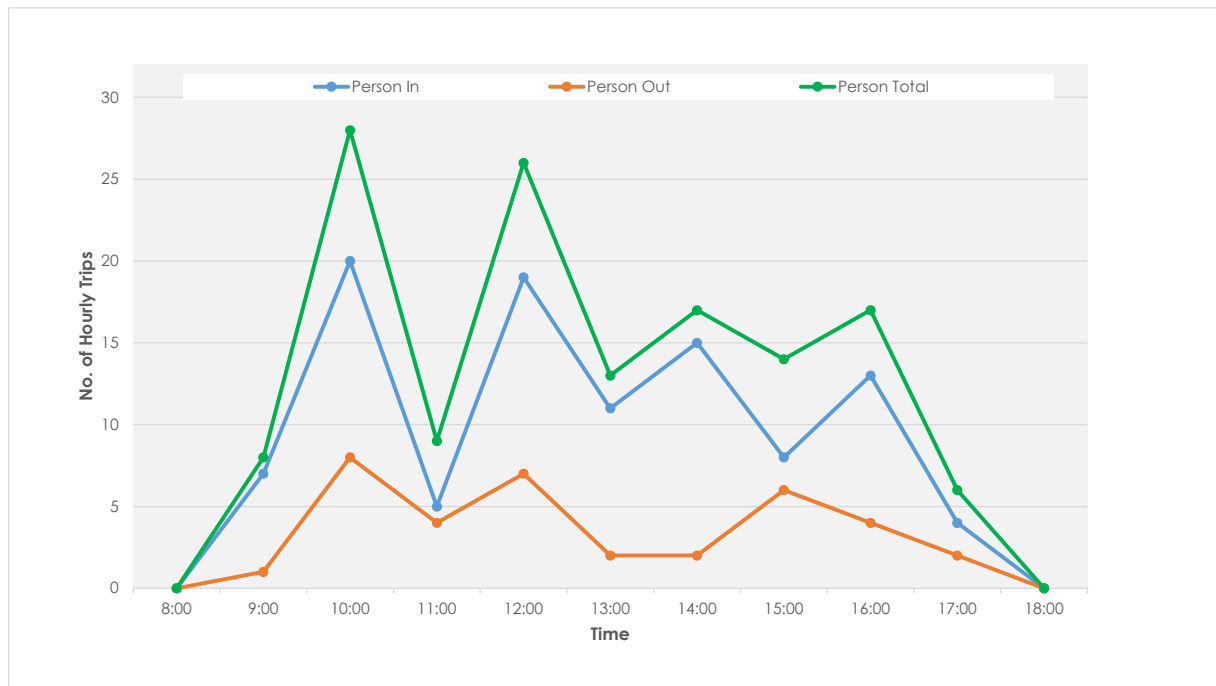


Figure 3.44: MA06 Survey Results (Friday) – Vessel Movements

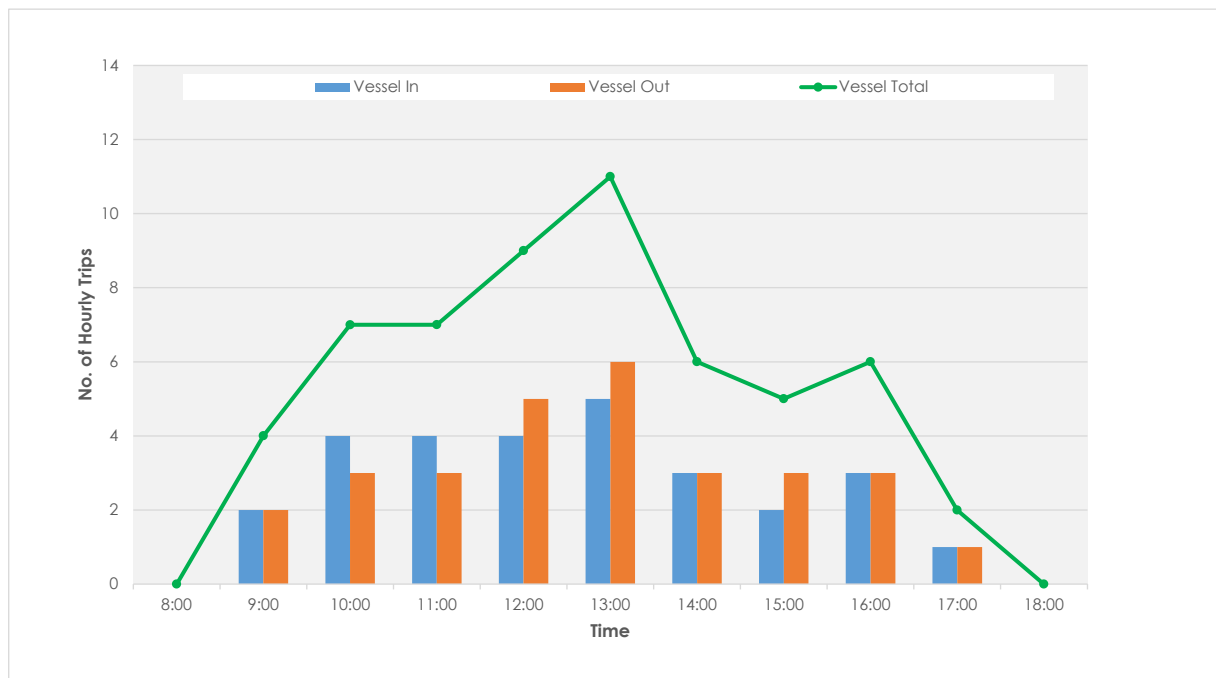


Table 3.33: MA06 Survey Results (Saturday 15-minute data)

Time Period			Vehicle-based Trips					Person-based Trips									Vessel Movements					
			In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied	
								In	Out	Total	In	Out	Total	In	Out	Total						
8:00	to	8:15	0	0	0	0	0%	0	0	0	0	0	0	0	0	0	0	0	0	126	88%	
8:15	to	8:30	0	0	0	0	0%	0	0	0	0	0	0	0	0	0	0	0	0	126	88%	
8:30	to	8:45	0	0	0	0	0%	0	0	0	0	0	0	0	0	0	0	0	0	126	88%	
8:45	to	9:00	0	0	0	0	0%	0	0	0	0	0	0	0	0	0	0	0	0	126	88%	
9:00	to	9:15	0	0	0	0	0%	0	0	0	4	0	4	0	4	2	1	3		127	88%	
9:15	to	9:30	0	0	0	0	0%	0	0	0	8	1	9	8	1	9	1	1	2		127	88%
9:30	to	9:45	0	0	0	0	0%	0	0	0	2	2	4	2	2	4	0	0	0		127	88%
9:45	to	10:00	0	0	0	0	0%	0	0	0	7	0	7	7	0	7	1	3	4		125	87%
10:00	to	10:15	0	0	0	0	0%	0	0	0	13	0	13	13	0	13	1	3	4		123	85%
10:15	to	10:30	0	0	0	0	0%	0	0	0	11	0	11	11	0	11	1	2	3		122	85%
10:30	to	10:45	0	0	0	0	0%	0	0	0	22	2	24	22	2	24	1	1	2		122	85%
10:45	to	11:00	0	0	0	0	0%	0	0	0	12	2	14	12	2	14	1	2	3		121	84%
11:00	to	11:15	0	0	0	0	0%	0	0	0	1	1	2	1	1	2	3	2	5		122	85%
11:15	to	11:30	0	0	0	0	0%	0	0	0	23	4	27	23	4	27	1	1	2		122	85%
11:30	to	11:45	0	0	0	0	0%	0	0	0	1	0	1	1	0	1	1	2	3		121	84%
11:45	to	12:00	0	0	0	0	0%	0	0	0	1	1	2	1	1	2	1	2	3		120	83%
12:00	to	12:15	0	0	0	0	0%	0	0	0	4	2	6	4	2	6	1	1	2		120	83%
12:15	to	12:30	0	0	0	0	0%	0	0	0	5	0	5	5	0	5	2	2	4		120	83%
12:30	to	12:45	0	0	0	0	0%	0	0	0	2	1	3	2	1	3	1	2	3		119	83%
12:45	to	13:00	0	0	0	0	0%	0	0	0	4	12	16	4	12	16	2	1	3		120	83%
13:00	to	13:15	0	0	0	0	0%	0	0	0	4	0	4	4	0	4	0	0	0		120	83%
13:15	to	13:30	0	0	0	0	0%	0	0	0	2	3	5	2	3	5	1	0	1		121	84%
13:30	to	13:45	0	0	0	0	0%	0	0	0	0	8	8	0	8	8	2	1	3		122	85%
13:45	to	14:00	0	0	0	0	0%	0	0	0	5	10	15	5	10	15	1	1	2		122	85%
14:00	to	14:15	0	0	0	0	0%	0	0	0	3	0	3	3	0	3	2	1	3		123	85%
14:15	to	14:30	0	0	0	0	0%	0	0	0	12	0	12	12	0	12	1	1	2		123	85%
14:30	to	14:45	0	0	0	0	0%	0	0	0	8	2	10	8	2	10	1	0	1		124	86%
14:45	to	15:00	0	0	0	0	0%	0	0	0	6	6	12	6	6	12	0	0	0		124	86%
15:00	to	15:15	0	0	0	0	0%	0	0	0	5	1	6	5	1	6	1	1	2		124	86%
15:15	to	15:30	0	0	0	0	0%	0	0	0	2	4	6	2	4	6	0	1	1		123	85%
15:30	to	15:45	0	0	0	0	0%	0	0	0	9	0	9	9	0	9	1	0	1		124	86%
15:45	to	16:00	0	0	0	0	0%	0	0	0	3	1	4	3	1	4	1	0	1		125	87%
16:00	to	16:15	0	0	0	0	0%	0	0	0	4	2	6	4	2	6	0	0	0		125	87%
16:15	to	16:30	0	0	0	0	0%	0	0	0	0	3	3	0	3	3	1	1	2		125	87%
16:30	to	16:45	0	0	0	0	0%	0	0	0	2	0	2	2	0	2	0	0	0		125	87%
16:45	to	17:00	0	0	0	0	0%	0	0	0	0	0	0	0	0	0	0	1	1		124	86%
17:00	to	17:15	0	0	0	0	0%	0	0	0	4	1	5	4	1	5	1	0	1		125	87%
17:15	to	17:30	0	0	0	0	0%	0	0	0	3	0	3	3	0	3	1	1	2		125	87%
17:30	to	17:45	0	0	0	0	0%	0	0	0	0	1	1	0	1	1	0	0	0		125	87%
17:45	to	18:00	0	0	0	0	0%	0	0	0	0	2	2	0	2	2	0	0	0		125	87%
18:00	to	18:15	0	0	0	0	0%	0	0	0	0	0	0	0	0	0	0	0	0		125	87%
18:15	to	18:30	0	0	0	0	0%	0	0	0	0	0	0	0	0	0	0	0	0		125	87%
18:30	to	18:45	0	0	0	0	0%	0	0	0	0	0	0	0	0	0	0	0	0		125	87%
18:45	to	19:00	0	0	0	0	0%	0	0	0	0	0	0	0	0	0	0	0	0		125	87%

Table 3.34: MA06 Survey Results (Saturday hourly data)

Time Period	Vehicle-based Trips						Person-based Trips												Vessel Movements				
	In	Out	Total	Max Accumulation	% Occupied		Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied			
							In	Out	Total	In	Out	Total	In	Out	Total								
8:00 to 9:00	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	126	88%			
8:15 to 9:15	0	0	0	0	0%		0	0	0	4	0	4	4	0	4	2	1	3	127	88%			
8:30 to 9:30	0	0	0	0	0%		0	0	0	12	1	13	12	1	13	3	2	5	127	88%			
8:45 to 9:45	0	0	0	0	0%		0	0	0	14	3	17	14	3	17	3	2	5	127	88%			
9:00 to 10:00	0	0	0	0	0%		0	0	0	21	3	24	21	3	24	4	5	9	127	88%			
9:15 to 10:15	0	0	0	0	0%		0	0	0	30	3	33	30	3	33	3	7	10	127	88%			
9:30 to 10:30	0	0	0	0	0%		0	0	0	33	2	35	33	2	35	3	8	11	127	88%			
9:45 to 10:45	0	0	0	0	0%		0	0	0	53	2	55	53	2	55	4	9	13	125	87%			
10:00 to 11:00	0	0	0	0	0%		0	0	0	58	4	62	58	4	62	4	8	12	123	85%			
10:15 to 11:15	0	0	0	0	0%		0	0	0	46	5	51	46	5	51	6	7	13	122	85%			
10:30 to 11:30	0	0	0	0	0%		0	0	0	58	9	67	58	9	67	6	6	12	122	85%			
10:45 to 11:45	0	0	0	0	0%		0	0	0	37	7	44	37	7	44	6	7	13	122	85%			
11:00 to 12:00	0	0	0	0	0%		0	0	0	26	6	32	26	6	32	6	7	13	122	85%			
11:15 to 12:15	0	0	0	0	0%		0	0	0	29	7	36	29	7	36	4	6	10	122	85%			
11:30 to 12:30	0	0	0	0	0%		0	0	0	11	3	14	11	3	14	5	7	12	121	84%			
11:45 to 12:45	0	0	0	0	0%		0	0	0	12	4	16	12	4	16	5	7	12	120	83%			
12:00 to 13:00	0	0	0	0	0%		0	0	0	15	15	30	15	15	30	6	6	12	120	83%			
12:15 to 13:15	0	0	0	0	0%		0	0	0	15	13	28	15	13	28	5	5	10	120	83%			
12:30 to 13:30	0	0	0	0	0%		0	0	0	12	16	28	12	16	28	4	3	7	121	84%			
12:45 to 13:45	0	0	0	0	0%		0	0	0	10	23	33	10	23	33	5	2	7	122	85%			
13:00 to 14:00	0	0	0	0	0%		0	0	0	11	21	32	11	21	32	4	2	6	122	85%			
13:15 to 14:15	0	0	0	0	0%		0	0	0	10	21	31	10	21	31	6	3	9	123	85%			
13:30 to 14:30	0	0	0	0	0%		0	0	0	20	18	38	20	18	38	6	4	10	123	85%			
13:45 to 14:45	0	0	0	0	0%		0	0	0	28	12	40	28	12	40	5	3	8	124	86%			
14:00 to 15:00	0	0	0	0	0%		0	0	0	29	8	37	29	8	37	4	2	6	124	86%			
14:15 to 15:15	0	0	0	0	0%		0	0	0	31	9	40	31	9	40	3	2	5	124	86%			
14:30 to 15:30	0	0	0	0	0%		0	0	0	21	13	34	21	13	34	2	2	4	124	86%			
14:45 to 15:45	0	0	0	0	0%		0	0	0	22	11	33	22	11	33	2	2	4	124	86%			
15:00 to 16:00	0	0	0	0	0%		0	0	0	19	6	25	19	6	25	3	2	5	125	87%			
15:15 to 16:15	0	0	0	0	0%		0	0	0	18	7	25	18	7	25	2	1	3	125	87%			
15:30 to 16:30	0	0	0	0	0%		0	0	0	16	6	22	16	6	22	3	1	4	125	87%			
15:45 to 16:45	0	0	0	0	0%		0	0	0	9	6	15	9	6	15	2	1	3	125	87%			
16:00 to 17:00	0	0	0	0	0%		0	0	0	6	5	11	6	5	11	1	2	3	125	87%			
16:15 to 17:15	0	0	0	0	0%		0	0	0	6	4	10	6	4	10	2	2	4	125	87%			
16:30 to 17:30	0	0	0	0	0%		0	0	0	9	1	10	9	1	10	2	2	4	125	87%			
16:45 to 17:45	0	0	0	0	0%		0	0	0	7	2	9	7	2	9	2	2	4	125	87%			
17:00 to 18:00	0	0	0	0	0%		0	0	0	7	4	11	7	4	11	2	1	3	125	87%			
17:15 to 18:15	0	0	0	0	0%		0	0	0	3	3	6	3	3	6	1	1	2	125	87%			
17:30 to 18:30	0	0	0	0	0%		0	0	0	0	3	3	0	3	3	0	0	0	125	87%			
17:45 to 18:45	0	0	0	0	0%		0	0	0	0	2	2	0	2	2	0	0	0	125	87%			
18:00 to 19:00	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	125	87%			

 Network AM peak hour
 Site peak hour

Figure 3.45: MA06 Survey Results (Saturday) – Person Trips

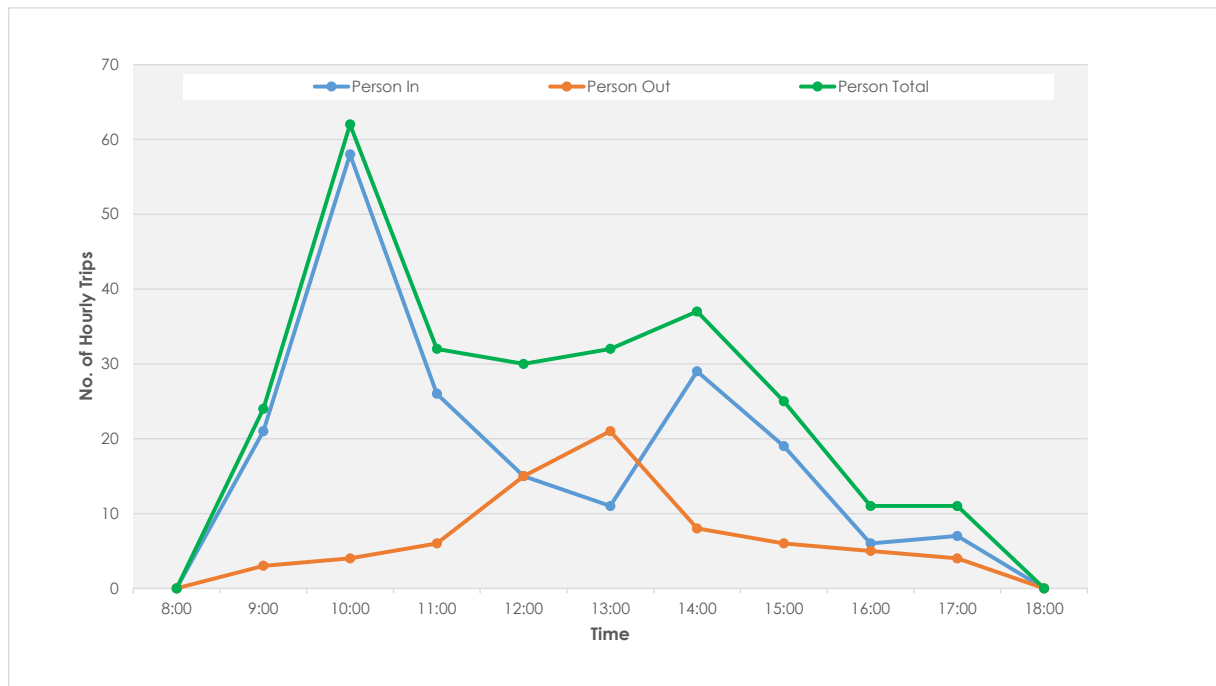


Figure 3.46: MA06 Survey Results (Saturday) – Vessel Movements

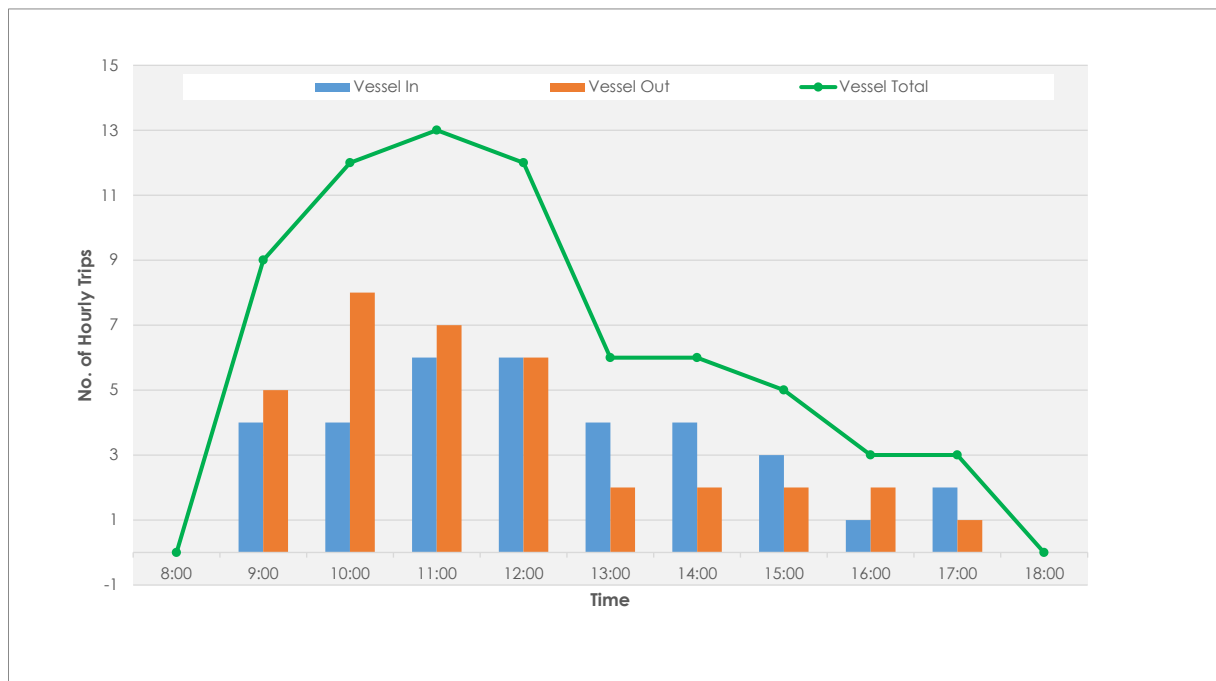


Table 3.35: MA06 Survey Results (Sunday 15-minute data)

Time Period	Vehicle-based Trips						Person-based Trips									Vessel Movements				
	In	Out	Total	Max Accumulation	% Occupied		Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied
8:00 to 8:15	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	122	85%
8:15 to 8:30	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	122	85%
8:30 to 8:45	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	122	85%
8:45 to 9:00	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	122	85%
9:00 to 9:15	0	0	0	0	0%		0	0	0	1	0	1	1	0	1	0	0	0	122	85%
9:15 to 9:30	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	122	85%
9:30 to 9:45	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	122	85%
9:45 to 10:00	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	122	85%
10:00 to 10:15	0	0	0	0	0%		0	0	0	1	0	1	1	0	1	0	0	0	122	85%
10:15 to 10:30	0	0	0	0	0%		0	0	0	2	0	2	2	0	2	1	1	2	122	85%
10:30 to 10:45	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	122	85%
10:45 to 11:00	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	1	2	3	121	84%
11:00 to 11:15	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	121	84%
11:15 to 11:30	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	121	84%
11:30 to 11:45	0	0	0	0	0%		0	0	0	0	1	1	0	1	1	1	0	1	122	85%
11:45 to 12:00	0	0	0	0	0%		0	0	0	1	0	1	1	0	1	0	1	1	121	84%
12:00 to 12:15	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	121	84%
12:15 to 12:30	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	1	0	1	122	85%
12:30 to 12:45	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	122	85%
12:45 to 13:00	0	0	0	0	0%		0	0	0	2	1	3	2	1	3	1	1	2	122	85%
13:00 to 13:15	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	122	85%
13:15 to 13:30	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	122	85%
13:30 to 13:45	0	0	0	0	0%		0	0	0	1	0	1	1	0	1	0	1	1	121	84%
13:45 to 14:00	0	0	0	0	0%		0	0	0	0	2	2	0	2	2	0	0	0	121	84%
14:00 to 14:15	0	0	0	0	0%		0	0	0	1	0	1	1	0	1	1	0	1	122	85%
14:15 to 14:30	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	122	85%
14:30 to 14:45	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	1	1	121	84%
14:45 to 15:00	0	0	0	0	0%		0	0	0	1	1	2	1	1	2	0	0	0	121	84%
15:00 to 15:15	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	1	0	1	122	85%
15:15 to 15:30	0	0	0	0	0%		0	0	0	3	0	3	3	0	3	0	1	1	121	84%
15:30 to 15:45	0	0	0	0	0%		0	0	0	1	2	3	1	2	3	0	0	0	121	84%
15:45 to 16:00	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	121	84%
16:00 to 16:15	0	0	0	0	0%		0	0	0	2	0	2	2	0	2	0	0	0	121	84%
16:15 to 16:30	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	1	0	1	122	85%
16:30 to 16:45	0	0	0	0	0%		0	0	0	1	0	1	1	0	1	0	0	0	122	85%
16:45 to 17:00	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	122	85%
17:00 to 17:15	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	1	0	1	123	85%
17:15 to 17:30	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	123	85%
17:30 to 17:45	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	123	85%
17:45 to 18:00	0	0	0	0	0%		0	0	0	0	1	1	0	1	1	0	0	0	123	85%
18:00 to 18:15	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	123	85%
18:15 to 18:30	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	123	85%
18:30 to 18:45	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	123	85%
18:45 to 19:00	0	0	0	0	0%		0	0	0	0	0	0	0	0	0	0	0	0	123	85%

Table 3.36: MA06 Survey Results (Sunday hourly data)

Time Period			Vehicle-based Trips					Person-based Trips									Vessel Movements				
			In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied
								In	Out	Total	In	Out	Total	In	Out	Total					
8:00 to 9:00	0	0	0	0	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	122	85%	
8:15 to 9:15	0	0	0	0	0%	0	0	0	1	0	1	1	0	1	0	0	0	0	122	85%	
8:30 to 9:30	0	0	0	0	0%	0	0	0	1	0	1	1	0	1	0	0	0	0	122	85%	
8:45 to 9:45	0	0	0	0	0%	0	0	0	1	0	1	1	0	1	0	0	0	0	122	85%	
9:00 to 10:00	0	0	0	0	0%	0	0	0	1	0	1	1	0	1	0	0	0	0	122	85%	
9:15 to 10:15	0	0	0	0	0%	0	0	0	1	0	1	1	0	1	0	0	0	0	122	85%	
9:30 to 10:30	0	0	0	0	0%	0	0	0	3	0	3	3	0	3	1	1	2	2	122	85%	
9:45 to 10:45	0	0	0	0	0%	0	0	0	3	0	3	3	0	3	1	1	2	2	122	85%	
10:00 to 11:00	0	0	0	0	0%	0	0	0	3	0	3	3	0	3	2	3	5	5	122	85%	
10:15 to 11:15	0	0	0	0	0%	0	0	0	2	0	2	2	0	2	2	3	5	5	122	85%	
10:30 to 11:30	0	0	0	0	0%	0	0	0	0	0	0	0	0	0	1	2	3	3	122	85%	
10:45 to 11:45	0	0	0	0	0%	0	0	0	0	1	1	0	1	1	2	2	4	4	122	85%	
11:00 to 12:00	0	0	0	0	0%	0	0	0	1	1	2	1	1	2	1	1	2	2	122	85%	
11:15 to 12:15	0	0	0	0	0%	0	0	0	1	1	2	1	1	2	1	1	2	2	122	85%	
11:30 to 12:30	0	0	0	0	0%	0	0	0	1	1	2	1	1	2	2	1	3	3	122	85%	
11:45 to 12:45	0	0	0	0	0%	0	0	0	1	0	1	1	0	1	1	1	2	2	122	85%	
12:00 to 13:00	0	0	0	0	0%	0	0	0	2	1	3	2	1	3	2	1	3	3	122	85%	
12:15 to 13:15	0	0	0	0	0%	0	0	0	2	1	3	2	1	3	2	1	3	3	122	85%	
12:30 to 13:30	0	0	0	0	0%	0	0	0	2	1	3	2	1	3	1	1	2	2	122	85%	
12:45 to 13:45	0	0	0	0	0%	0	0	0	3	1	4	3	1	4	1	2	3	3	122	85%	
13:00 to 14:00	0	0	0	0	0%	0	0	0	1	2	3	1	2	3	0	1	1	1	122	85%	
13:15 to 14:15	0	0	0	0	0%	0	0	0	2	2	4	2	2	4	1	1	2	2	122	85%	
13:30 to 14:30	0	0	0	0	0%	0	0	0	2	2	4	2	2	4	1	1	2	2	122	85%	
13:45 to 14:45	0	0	0	0	0%	0	0	0	1	2	3	1	2	3	1	1	2	2	122	85%	
14:00 to 15:00	0	0	0	0	0%	0	0	0	2	1	3	2	1	3	1	1	2	2	122	85%	
14:15 to 15:15	0	0	0	0	0%	0	0	0	1	1	2	1	1	2	1	1	2	2	122	85%	
14:30 to 15:30	0	0	0	0	0%	0	0	0	4	1	5	4	1	5	1	2	3	3	122	85%	
14:45 to 15:45	0	0	0	0	0%	0	0	0	5	3	8	5	3	8	1	1	2	2	122	85%	
15:00 to 16:00	0	0	0	0	0%	0	0	0	4	2	6	4	2	6	1	1	2	2	122	85%	
15:15 to 16:15	0	0	0	0	0%	0	0	0	6	2	8	6	2	8	0	1	1	1	121	84%	
15:30 to 16:30	0	0	0	0	0%	0	0	0	3	2	5	3	2	5	1	0	1	1	122	85%	
15:45 to 16:45	0	0	0	0	0%	0	0	0	3	0	3	3	0	3	1	0	1	1	122	85%	
16:00 to 17:00	0	0	0	0	0%	0	0	0	3	0	3	3	0	3	1	0	1	1	122	85%	
16:15 to 17:15	0	0	0	0	0%	0	0	0	1	0	1	1	0	1	2	0	2	2	123	85%	
16:30 to 17:30	0	0	0	0	0%	0	0	0	1	0	1	1	0	1	1	0	1	1	123	85%	
16:45 to 17:45	0	0	0	0	0%	0	0	0	0	0	0	0	0	0	1	0	1	1	123	85%	
17:00 to 18:00	0	0	0	0	0%	0	0	0	0	1	1	0	1	1	1	0	1	1	123	85%	
17:15 to 18:15	0	0	0	0	0%	0	0	0	0	1	1	0	1	1	0	0	0	0	123	85%	
17:30 to 18:30	0	0	0	0	0%	0	0	0	0	1	1	0	1	1	0	0	0	0	123	85%	
17:45 to 18:45	0	0	0	0	0%	0	0	0	0	1	1	0	1	1	0	0	0	0	123	85%	
18:00 to 19:00	0	0	0	0	0%	0	0	0	0	0	0	0	0	0	0	0	0	0	123	85%	

 Network AM peak hour
 Site peak hour

Figure 3.47: MA06 Survey Results (Sunday) – Person Trips

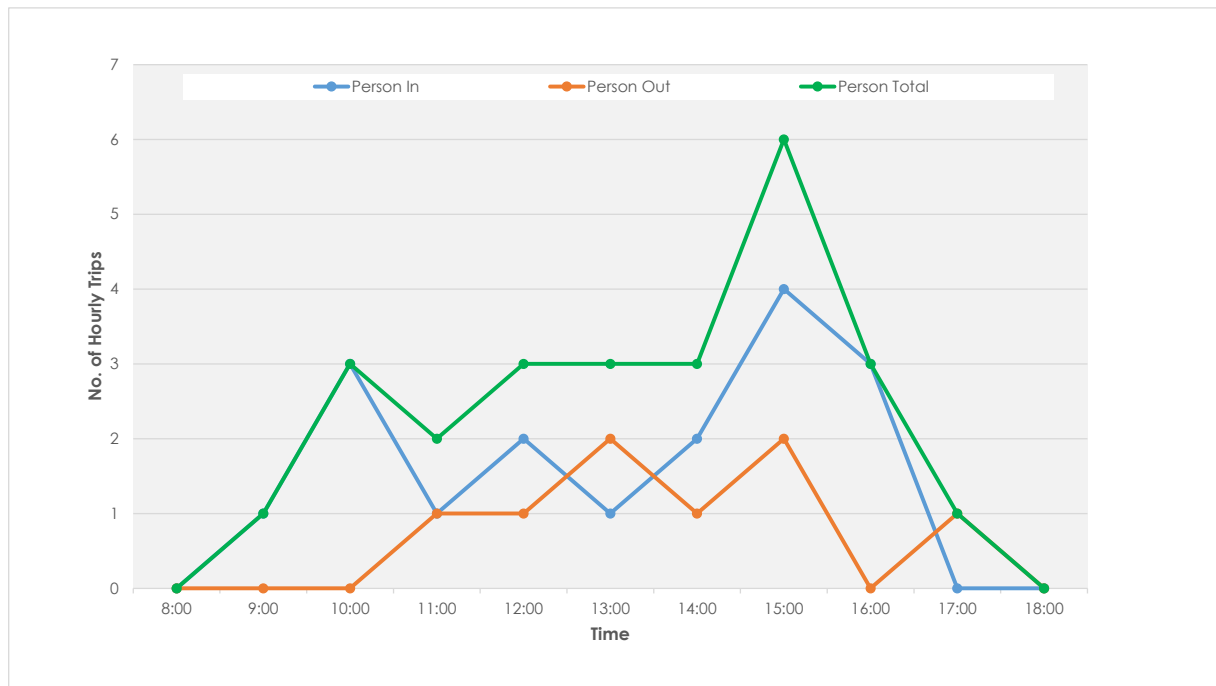
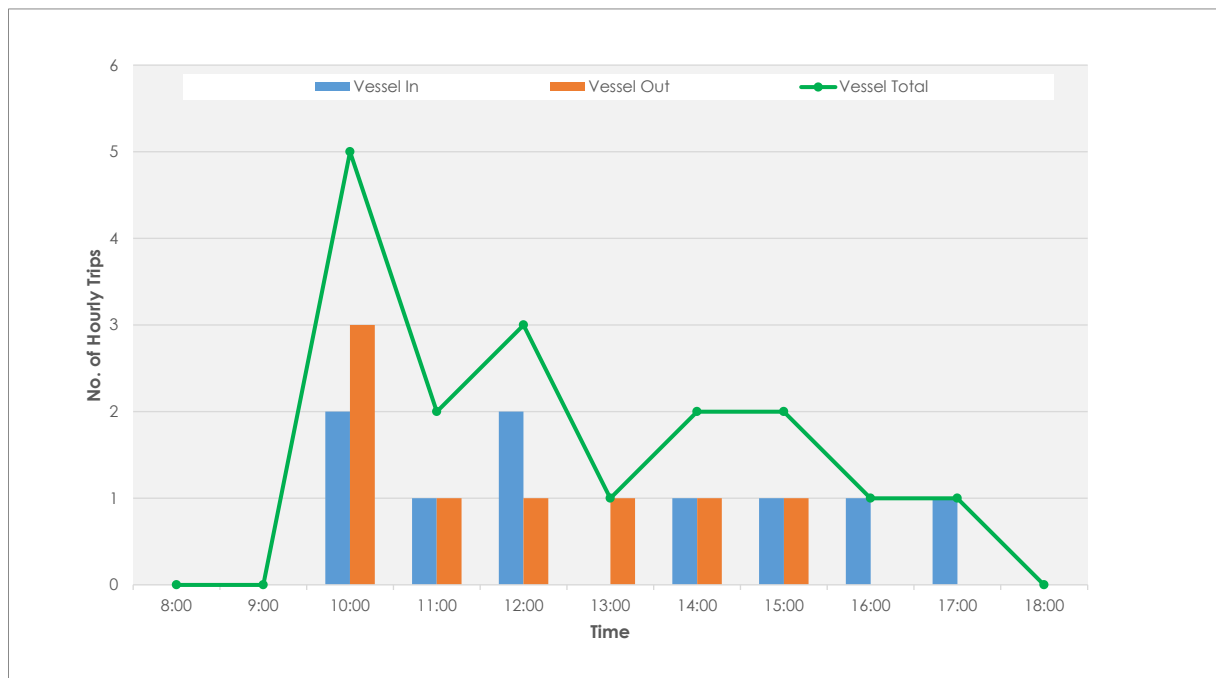


Figure 3.48: MA06 Survey Results (Sunday) – Vessel Movements



3.1.7 MA07 - Woolwich Marina

Table 3.37: MA07 Survey Results (Friday 15-minute data)

Time Period	Vehicle-based Trips						Person-based Trips												Vessel Movements					
	In	Out	Total	Max Accumulation	% Occupied		Car Occupants			Others			Total							In	Out	Total	Max Accumulation	% Occupied
							In	Out	Total	In	Out	Total	In	Out	Total									
8:00 to 8:15	0	0	0	3	10%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54	95%	
8:15 to 8:30	0	0	0	3	10%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54	95%	
8:30 to 8:45	0	0	0	3	10%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54	95%	
8:45 to 9:00	0	0	0	3	10%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54	95%	
9:00 to 9:15	0	1	1	2	7%		0	1	1	0	0	0	0	1	1	0	0	0	0	0	0	54	95%	
9:15 to 9:30	0	0	0	2	7%		0	0	0	0	0	0	0	0	0	1	1	2	54	95%				
9:30 to 9:45	1	0	1	3	10%		1	0	1	0	0	0	1	0	1	1	1	2	54	95%				
9:45 to 10:00	0	0	0	3	10%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54	95%	
10:00 to 10:15	0	0	0	3	10%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54	95%	
10:15 to 10:30	2	1	3	4	13%		2	1	3	0	0	0	2	1	3	0	0	0	0	0	0	54	95%	
10:30 to 10:45	0	1	1	3	10%		0	2	2	1	1	2	1	3	4	0	0	0	0	0	0	54	95%	
10:45 to 11:00	1	0	1	4	13%		1	0	1	0	0	0	1	0	1	1	0	1	55	96%				
11:00 to 11:15	3	1	4	6	20%		3	0	3	0	0	0	3	0	3	0	1	1	54	95%				
11:15 to 11:30	0	0	0	6	20%		0	0	0	1	0	1	1	0	1	0	0	0	54	95%				
11:30 to 11:45	0	0	0	6	20%		0	0	0	0	0	0	0	0	0	0	0	0	54	95%				
11:45 to 12:00	1	2	3	5	17%		1	1	2	0	0	0	1	1	2	0	0	0	54	95%				
12:00 to 12:15	0	0	0	5	17%		0	0	0	0	0	0	0	0	0	0	0	0	54	95%				
12:15 to 12:30	0	0	0	5	17%		0	2	2	1	0	1	1	2	3	0	0	0	54	95%				
12:30 to 12:45	0	1	1	4	13%		0	0	0	1	0	1	1	0	1	0	1	1	53	93%				
12:45 to 13:00	1	0	1	5	17%		1	0	1	0	0	0	1	0	1	0	0	0	53	93%				
13:00 to 13:15	0	1	1	4	13%		0	1	1	0	0	0	0	1	1	1	0	1	54	95%				
13:15 to 13:30	0	0	0	4	13%		0	0	0	0	1	1	0	1	1	0	0	0	54	95%				
13:30 to 13:45	1	0	1	5	17%		1	0	1	0	0	0	1	0	1	0	0	0	54	95%				
13:45 to 14:00	0	0	0	5	17%		0	0	0	0	0	0	0	0	0	0	1	1	53	93%				
14:00 to 14:15	1	0	1	6	20%		1	0	1	0	0	0	1	0	1	0	0	0	53	93%				
14:15 to 14:30	0	2	2	4	13%		0	1	1	0	0	0	0	1	1	0	0	0	53	93%				
14:30 to 14:45	0	0	0	4	13%		0	0	0	0	0	0	0	0	0	0	0	0	53	93%				
14:45 to 15:00	0	0	0	4	13%		0	1	1	0	0	0	0	1	1	0	0	0	53	93%				
15:00 to 15:15	0	0	0	4	13%		0	0	0	1	0	1	1	0	1	0	0	0	53	93%				
15:15 to 15:30	0	1	1	3	10%		0	0	0	0	0	0	0	0	0	0	1	1	52	91%				
15:30 to 15:45	0	0	0	3	10%		0	0	0	0	0	0	0	0	0	0	0	0	52	91%				
15:45 to 16:00	0	0	0	3	10%		0	0	0	0	1	1	0	1	1	0	0	0	52	91%				
16:00 to 16:15	1	0	1	4	13%		1	0	1	0	0	0	1	0	1	0	0	0	52	91%				
16:15 to 16:30	0	1	1	3	10%		0	0	0	0	0	0	0	0	0	0	0	0	52	91%				
16:30 to 16:45	0	0	0	3	10%		0	0	0	0	0	0	0	0	0	0	0	0	52	91%				
16:45 to 17:00	0	0	0	3	10%		0	1	1	0	0	0	0	1	1	0	0	0	52	91%				
17:00 to 17:15	0	0	0	3	10%		0	0	0	0	0	0	0	0	0	0	0	0	52	91%				
17:15 to 17:30	0	0	0	3	10%		0	0	0	0	0	0	0	0	0	0	0	0	52	91%				
17:30 to 17:45	0	0	0	3	10%		0	0	0	0	0	0	0	0	0	0	0	0	52	91%				
17:45 to 18:00	0	0	0	3	10%		0	0	0	0	0	0	0	0	0	0	0	0	52	91%				
18:00 to 18:15	0	0	0	3	10%		0	0	0	0	0	0	0	0	0	0	0	0	52	91%				
18:15 to 18:30	0	0	0	3	10%		0	0	0	0	0	0	0	0	0	0	0	0	52	91%				
18:30 to 18:45	0	0	0	3	10%		0	0	0	0	0	0	0	0	0	0	0	0	52	91%				
18:45 to 19:00	0	0	0	3	10%		0	0	0	0	0	0	0	0	0	0	0	0	52	91%				

Table 3.38: MA07 Survey Results (Friday hourly data)

Time Period		Vehicle-based Trips					Person-based Trips										Vessel Movements				
		In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied	
							In	Out	Total	In	Out	Total	In	Out	Total						
8:00	to 9:00	0	0	0	3	10%	0	0	0	0	0	0	0	0	0	0	0	0	0	54	95%
8:15	to 9:15	0	1	1	3	10%	0	1	1	0	0	0	0	1	1	0	0	0	0	54	95%
8:30	to 9:30	0	1	1	3	10%	0	1	1	0	0	0	0	1	1	1	1	2	54	95%	
8:45	to 9:45	1	1	2	3	10%	1	1	2	0	0	0	1	1	2	2	2	4	54	95%	
9:00	to 10:00	1	1	2	3	10%	1	1	2	0	0	0	1	1	2	2	2	4	54	95%	
9:15	to 10:15	1	0	1	3	10%	1	0	1	0	0	0	1	0	1	2	2	4	54	95%	
9:30	to 10:30	3	1	4	4	13%	3	1	4	0	0	0	3	1	4	1	1	2	54	95%	
9:45	to 10:45	2	2	4	4	13%	2	3	5	1	1	2	3	4	7	0	0	0	54	95%	
10:00	to 11:00	3	2	5	4	13%	3	3	6	1	1	2	4	4	8	1	0	1	55	96%	
10:15	to 11:15	6	3	9	6	20%	6	3	9	1	1	2	7	4	11	1	1	2	55	96%	
10:30	to 11:30	4	2	6	6	20%	4	2	6	2	1	3	6	3	9	1	1	2	55	96%	
10:45	to 11:45	4	1	5	6	20%	4	0	4	1	0	1	5	0	5	1	1	2	55	96%	
11:00	to 12:00	4	3	7	6	20%	4	1	5	1	0	1	5	1	6	0	1	1	54	95%	
11:15	to 12:15	1	2	3	6	20%	1	1	2	1	0	1	2	1	3	0	0	0	54	95%	
11:30	to 12:30	1	2	3	6	20%	1	3	4	1	0	1	2	3	5	0	0	0	54	95%	
11:45	to 12:45	1	3	4	5	17%	1	3	4	2	0	2	3	3	6	0	1	1	54	95%	
12:00	to 13:00	1	1	2	5	17%	1	2	3	2	0	2	3	2	5	0	1	1	54	95%	
12:15	to 13:15	1	2	3	5	17%	1	3	4	2	0	2	3	3	6	1	1	2	54	95%	
12:30	to 13:30	1	2	3	5	17%	1	1	2	1	1	2	2	2	4	1	1	2	54	95%	
12:45	to 13:45	2	1	3	5	17%	2	1	3	0	1	1	2	2	4	1	0	1	54	95%	
13:00	to 14:00	1	1	2	5	17%	1	1	2	0	1	1	1	2	3	1	1	2	54	95%	
13:15	to 14:15	2	0	2	6	20%	2	0	2	0	1	1	2	1	3	0	1	1	54	95%	
13:30	to 14:30	2	2	4	6	20%	2	1	3	0	0	0	2	1	3	0	1	1	54	95%	
13:45	to 14:45	1	2	3	6	20%	1	1	2	0	0	0	1	1	2	0	1	1	53	93%	
14:00	to 15:00	1	2	3	6	20%	1	2	3	0	0	0	1	2	3	0	0	0	53	93%	
14:15	to 15:15	0	2	2	4	13%	0	2	2	1	0	1	1	2	3	0	0	0	53	93%	
14:30	to 15:30	0	1	1	4	13%	0	1	1	1	0	1	1	1	2	0	1	1	53	93%	
14:45	to 15:45	0	1	1	4	13%	0	1	1	1	0	1	1	1	2	0	1	1	53	93%	
15:00	to 16:00	0	1	1	4	13%	0	0	0	1	1	2	1	1	2	0	1	1	53	93%	
15:15	to 16:15	1	1	2	4	13%	1	0	1	0	1	1	1	1	2	0	1	1	52	91%	
15:30	to 16:30	1	1	2	4	13%	1	0	1	0	1	1	1	1	2	0	0	0	52	91%	
15:45	to 16:45	1	1	2	4	13%	1	0	1	0	1	1	1	1	2	0	0	0	52	91%	
16:00	to 17:00	1	1	2	4	13%	1	1	2	0	0	0	1	1	2	0	0	0	52	91%	
16:15	to 17:15	0	1	1	3	10%	0	1	1	0	0	0	0	1	1	0	0	0	52	91%	
16:30	to 17:30	0	0	0	3	10%	0	1	1	0	0	0	0	1	1	0	0	0	52	91%	
16:45	to 17:45	0	0	0	3	10%	0	1	1	0	0	0	0	1	1	0	0	0	52	91%	
17:00	to 18:00	0	0	0	3	10%	0	0	0	0	0	0	0	0	0	0	0	0	52	91%	
17:15	to 18:15	0	0	0	3	10%	0	0	0	0	0	0	0	0	0	0	0	0	52	91%	
17:30	to 18:30	0	0	0	3	10%	0	0	0	0	0	0	0	0	0	0	0	0	52	91%	
17:45	to 18:45	0	0	0	3	10%	0	0	0	0	0	0	0	0	0	0	0	0	52	91%	
18:00	to 19:00	0	0	0	3	10%	0	0	0	0	0	0	0	0	0	0	0	0	52	91%	

 Network AM peak hour
 Network PM peak hour
 Site AM peak hour
 Site PM peak hour
 Site (daily) peak hour

Figure 3.49: MA07 Survey Results (Friday) – Vehicle Trips

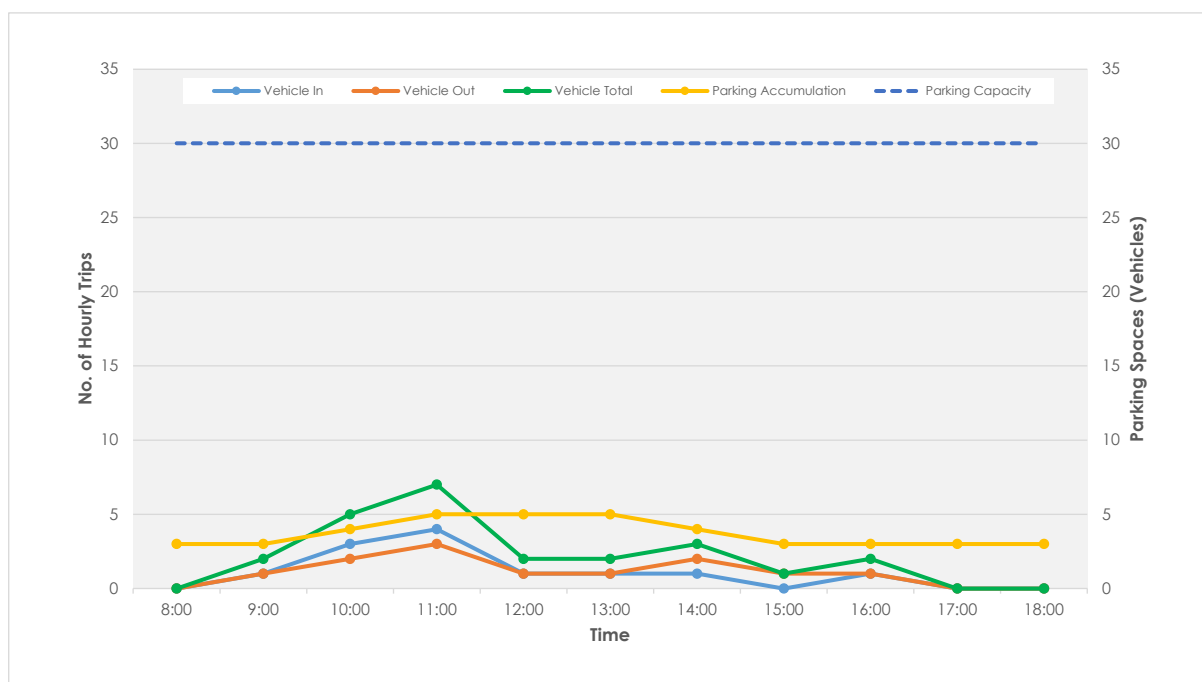


Figure 3.50: MA07 Survey Results (Friday) – Person Trips

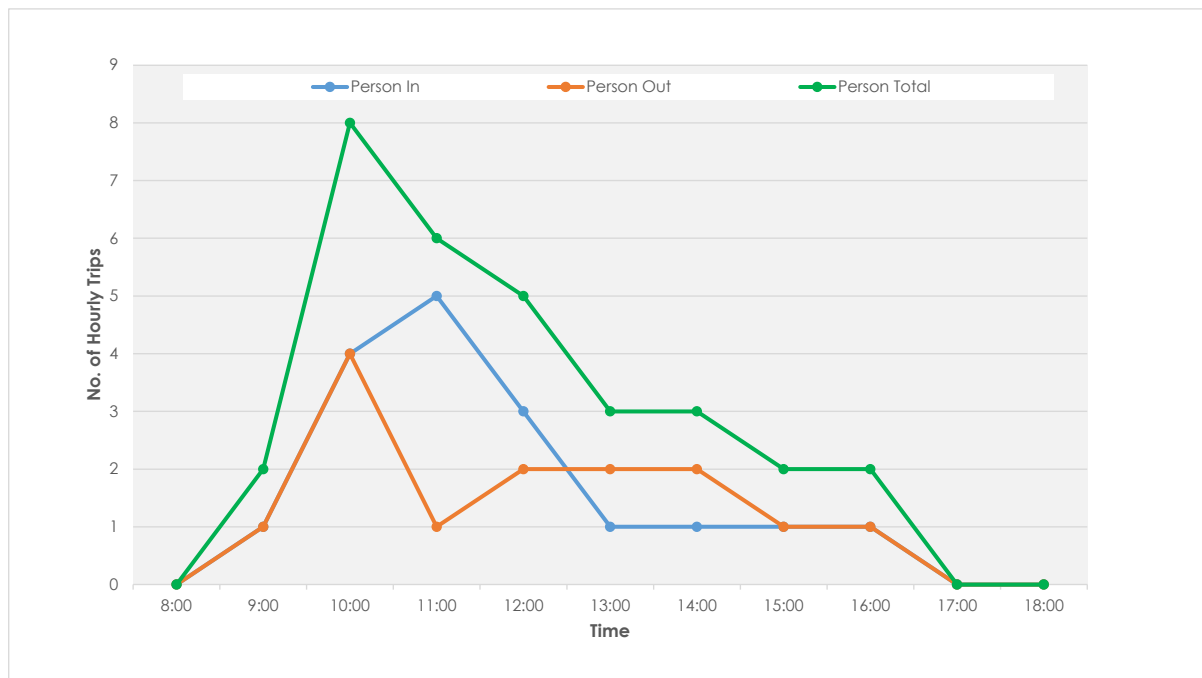


Figure 3.51: MA07 Survey Results (Friday) – Vessel Movements

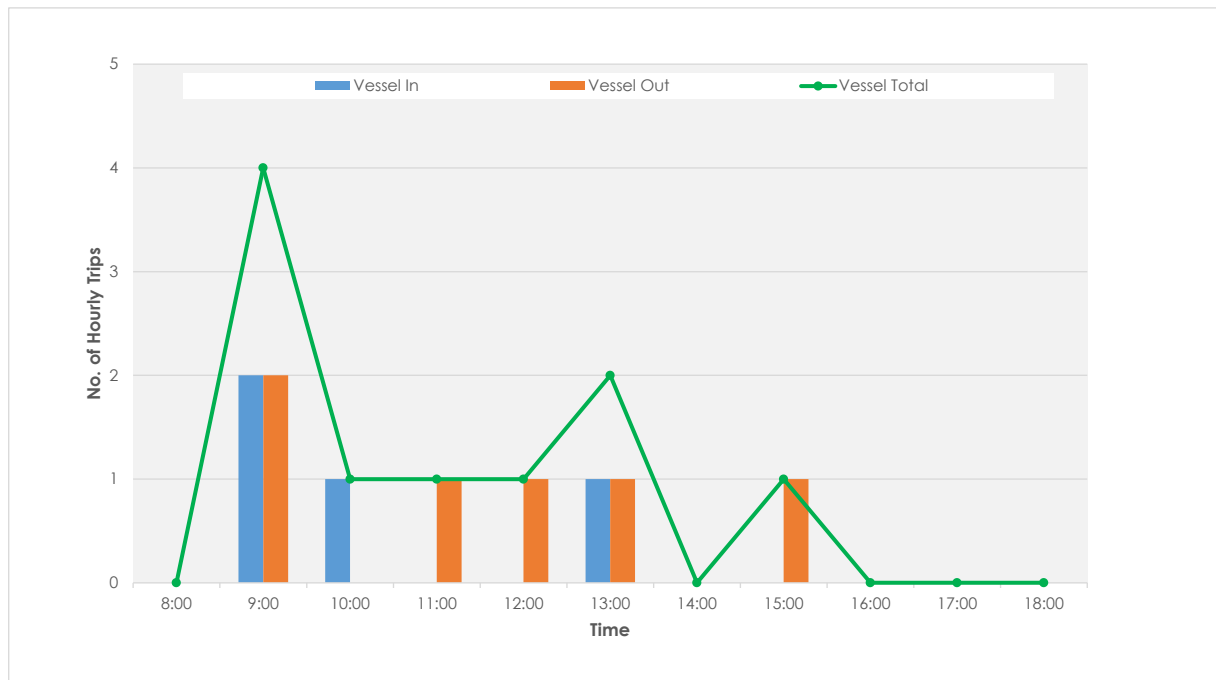


Table 3.39: MA07 Survey Results (Saturday 15-minute data)

Time Period	Vehicle-based Trips					Person-based Trips									Vessel Movements				
	In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied
8:00 to 8:15	0	0	0	2	7%	0	0	0	0	0	0	0	0	0	0	0	0	51	89%
8:15 to 8:30	0	0	0	2	7%	0	0	0	0	0	0	0	0	0	0	0	0	51	89%
8:30 to 8:45	0	0	0	2	7%	0	0	0	0	0	0	0	0	0	0	0	0	51	89%
8:45 to 9:00	0	0	0	2	7%	0	0	0	0	0	0	0	0	0	0	0	0	51	89%
9:00 to 9:15	0	0	0	2	7%	0	0	0	0	1	1	0	1	1	0	0	0	51	89%
9:15 to 9:30	0	0	0	2	7%	0	0	0	0	0	0	0	0	0	0	0	0	51	89%
9:30 to 9:45	1	0	1	3	10%	2	0	2	0	0	0	2	0	2	1	0	1	52	91%
9:45 to 10:00	1	0	1	4	13%	1	0	1	0	0	0	1	0	1	0	1	1	51	89%
10:00 to 10:15	0	1	1	3	10%	0	2	2	4	0	4	4	2	6	0	0	0	51	89%
10:15 to 10:30	1	1	2	3	10%	1	2	3	0	0	0	1	2	3	1	0	1	52	91%
10:30 to 10:45	0	0	0	3	10%	0	0	0	0	0	0	0	0	0	0	2	2	50	88%
10:45 to 11:00	0	0	0	3	10%	0	0	0	1	2	3	1	2	3	0	0	0	50	88%
11:00 to 11:15	0	0	0	3	10%	0	0	0	0	0	0	0	0	0	0	0	0	50	88%
11:15 to 11:30	2	0	2	5	17%	2	0	2	0	0	0	2	0	2	0	0	0	50	88%
11:30 to 11:45	0	1	1	4	13%	0	1	1	0	0	0	0	1	1	1	1	2	50	88%
11:45 to 12:00	0	1	1	3	10%	0	1	1	2	0	2	2	1	3	0	0	0	50	88%
12:00 to 12:15	0	0	0	3	10%	0	0	0	0	1	1	0	1	1	0	0	0	50	88%
12:15 to 12:30	0	0	0	3	10%	0	0	0	0	0	0	0	0	0	0	0	0	50	88%
12:30 to 12:45	1	1	2	3	10%	1	1	2	0	0	0	1	1	2	1	0	1	51	89%
12:45 to 13:00	0	0	0	3	10%	0	0	0	0	0	0	0	0	0	0	1	1	50	88%
13:00 to 13:15	1	1	2	3	10%	1	1	2	2	0	2	3	1	4	0	0	0	50	88%
13:15 to 13:30	0	0	0	3	10%	0	0	0	0	0	0	0	0	0	1	0	1	51	89%
13:30 to 13:45	1	1	2	3	10%	4	2	6	0	0	0	4	2	6	0	0	0	51	89%
13:45 to 14:00	0	0	0	3	10%	0	0	0	3	0	3	3	0	3	0	1	1	50	88%
14:00 to 14:15	0	0	0	3	10%	0	0	0	0	0	0	0	0	0	0	0	0	50	88%
14:15 to 14:30	1	0	1	4	13%	3	0	3	0	2	2	3	2	5	0	0	0	50	88%
14:30 to 14:45	0	0	0	4	13%	0	0	0	0	0	0	0	0	0	0	0	0	50	88%
14:45 to 15:00	0	0	0	4	13%	0	0	0	0	0	0	0	0	0	0	1	1	49	86%
15:00 to 15:15	0	2	2	2	7%	0	2	2	0	0	0	0	2	2	1	0	1	50	88%
15:15 to 15:30	1	1	2	2	7%	1	1	2	1	0	1	2	1	3	0	0	0	50	88%
15:30 to 15:45	0	0	0	2	7%	0	0	0	0	0	0	0	0	0	0	0	0	50	88%
15:45 to 16:00	1	0	1	3	10%	1	0	1	0	1	1	1	1	2	0	1	1	49	86%
16:00 to 16:15	0	0	0	3	10%	0	0	0	0	0	0	0	0	0	0	0	0	49	86%
16:15 to 16:30	0	0	0	3	10%	0	0	0	0	0	0	0	0	0	0	1	1	48	84%
16:30 to 16:45	0	2	2	1	3%	0	2	2	0	0	0	0	2	2	0	0	0	48	84%
16:45 to 17:00	0	0	0	1	3%	0	0	0	0	0	0	0	0	0	1	0	1	49	86%
17:00 to 17:15	0	0	0	1	3%	0	0	0	0	0	0	0	0	0	0	0	0	49	86%
17:15 to 17:30	0	0	0	1	3%	0	0	0	0	0	0	0	0	0	0	0	0	49	86%
17:30 to 17:45	0	0	0	1	3%	0	0	0	0	0	0	0	0	0	0	0	0	49	86%
17:45 to 18:00	0	0	0	1	3%	0	0	0	0	0	0	0	0	0	0	0	0	49	86%
18:00 to 18:15	0	0	0	1	3%	0	0	0	0	0	0	0	0	0	0	0	0	49	86%
18:15 to 18:30	0	0	0	1	3%	0	0	0	0	0	0	0	0	0	0	0	0	49	86%
18:30 to 18:45	0	0	0	1	3%	0	0	0	0	0	0	0	0	0	0	0	0	49	86%
18:45 to 19:00	0	0	0	1	3%	0	0	0	0	0	0	0	0	0	0	0	0	49	86%

Table 3.40: MA07 Survey Results (Saturday hourly data)

Time Period		Vehicle-based Trips					Person-based Trips									Vessel Movements				
		In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied
							In	Out	Total	In	Out	Total	In	Out	Total					
8:00	to 9:00	0	0	0	2	7%	0	0	0	0	0	0	0	0	0	0	0	0	51	89%
8:15	to 9:15	0	0	0	2	7%	0	0	0	0	1	1	0	1	1	0	0	0	51	89%
8:30	to 9:30	0	0	0	2	7%	0	0	0	0	1	1	0	1	1	0	0	0	51	89%
8:45	to 9:45	1	0	1	3	10%	2	0	2	0	1	1	2	1	3	1	0	1	52	91%
9:00	to 10:00	2	0	2	4	13%	3	0	3	0	1	1	3	1	4	1	1	2	52	91%
9:15	to 10:15	2	1	3	4	13%	3	2	5	4	0	4	7	2	9	1	1	2	52	91%
9:30	to 10:30	3	2	5	4	13%	4	4	8	4	0	4	8	4	12	2	1	3	52	91%
9:45	to 10:45	2	2	4	4	13%	2	4	6	4	0	4	6	4	10	1	3	4	52	91%
10:00	to 11:00	1	2	3	3	10%	1	4	5	5	2	7	6	6	12	1	2	3	52	91%
10:15	to 11:15	1	1	2	3	10%	1	2	3	1	2	3	2	4	6	1	2	3	52	91%
10:30	to 11:30	2	0	2	5	17%	2	0	2	1	2	3	3	2	5	0	2	2	50	88%
10:45	to 11:45	2	1	3	5	17%	2	1	3	1	2	3	3	3	6	1	1	2	50	88%
11:00	to 12:00	2	2	4	5	17%	2	2	4	2	0	2	4	2	6	1	1	2	50	88%
11:15	to 12:15	2	2	4	5	17%	2	2	4	2	1	3	4	3	7	1	1	2	50	88%
11:30	to 12:30	0	2	2	4	13%	0	2	2	2	1	3	2	3	5	1	1	2	50	88%
11:45	to 12:45	1	2	3	3	10%	1	2	3	2	1	3	3	3	6	1	0	1	51	89%
12:00	to 13:00	1	1	2	3	10%	1	1	2	0	1	1	1	2	3	1	1	2	51	89%
12:15	to 13:15	2	2	4	3	10%	2	2	4	2	0	2	4	2	6	1	1	2	51	89%
12:30	to 13:30	2	2	4	3	10%	2	2	4	2	0	2	4	2	6	2	1	3	51	89%
12:45	to 13:45	2	2	4	3	10%	5	3	8	2	0	2	7	3	10	1	1	2	51	89%
13:00	to 14:00	2	2	4	3	10%	5	3	8	5	0	5	10	3	13	1	1	2	51	89%
13:15	to 14:15	1	1	2	3	10%	4	2	6	3	0	3	7	2	9	1	1	2	51	89%
13:30	to 14:30	2	1	3	4	13%	7	2	9	3	2	5	10	4	14	0	1	1	51	89%
13:45	to 14:45	1	0	1	4	13%	3	0	3	3	2	5	6	2	8	0	1	1	50	88%
14:00	to 15:00	1	0	1	4	13%	3	0	3	0	2	2	3	2	5	0	1	1	50	88%
14:15	to 15:15	1	2	3	4	13%	3	2	5	0	2	2	3	4	7	1	1	2	50	88%
14:30	to 15:30	1	3	4	4	13%	1	3	4	1	0	1	2	3	5	1	1	2	50	88%
14:45	to 15:45	1	3	4	4	13%	1	3	4	1	0	1	2	3	5	1	1	2	50	88%
15:00	to 16:00	2	3	5	3	10%	2	3	5	1	1	2	3	4	7	1	1	2	50	88%
15:15	to 16:15	2	1	3	3	10%	2	1	3	1	1	2	3	2	5	0	1	1	50	88%
15:30	to 16:30	1	0	1	3	10%	1	0	1	0	1	1	1	1	2	0	2	2	50	88%
15:45	to 16:45	1	2	3	3	10%	1	2	3	0	1	1	1	3	4	0	2	2	49	86%
16:00	to 17:00	0	2	2	3	10%	0	2	2	0	0	0	0	2	2	1	1	2	49	86%
16:15	to 17:15	0	2	2	3	10%	0	2	2	0	0	0	0	2	2	1	1	2	49	86%
16:30	to 17:30	0	2	2	1	3%	0	2	2	0	0	0	0	2	2	1	0	1	49	86%
16:45	to 17:45	0	0	0	1	3%	0	0	0	0	0	0	0	0	0	1	0	1	49	86%
17:00	to 18:00	0	0	0	1	3%	0	0	0	0	0	0	0	0	0	0	0	0	49	86%
17:15	to 18:15	0	0	0	1	3%	0	0	0	0	0	0	0	0	0	0	0	0	49	86%
17:30	to 18:30	0	0	0	1	3%	0	0	0	0	0	0	0	0	0	0	0	0	49	86%
17:45	to 18:45	0	0	0	1	3%	0	0	0	0	0	0	0	0	0	0	0	0	49	86%
18:00	to 19:00	0	0	0	1	3%	0	0	0	0	0	0	0	0	0	0	0	0	49	86%

 Network AM peak hour
 Site peak hour

Figure 3.52: MA07 Survey Results (Saturday) – Vehicle Trips

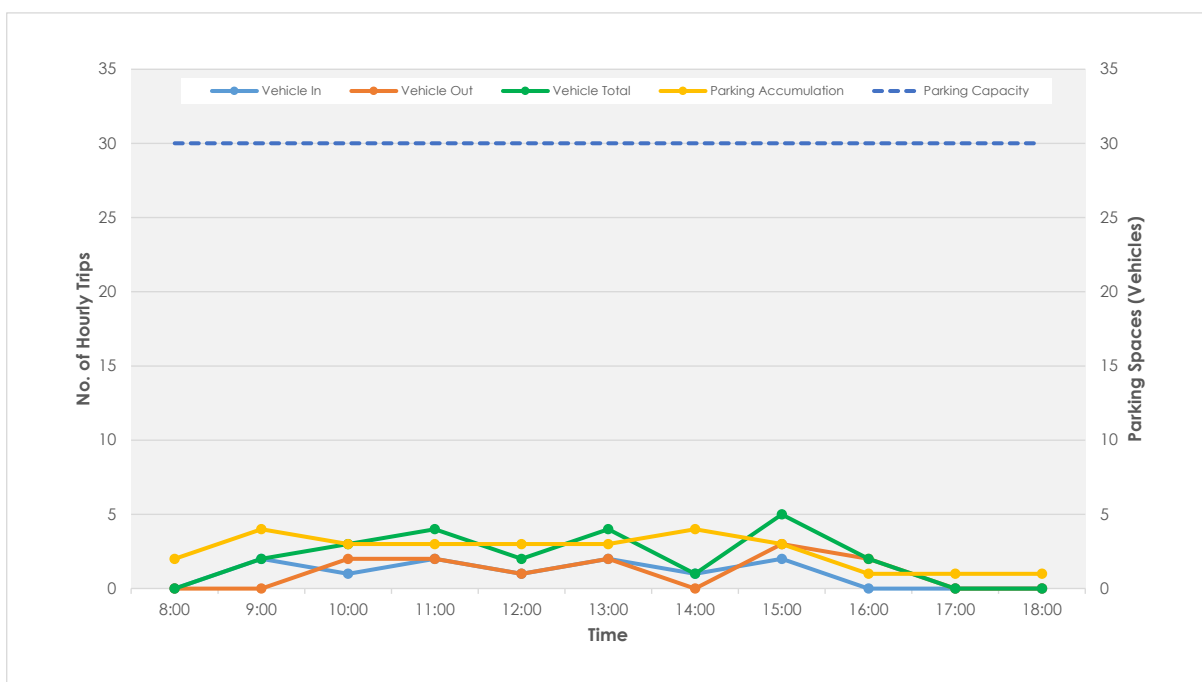


Figure 3.53: MA07 Survey Results (Saturday) – Person Trips

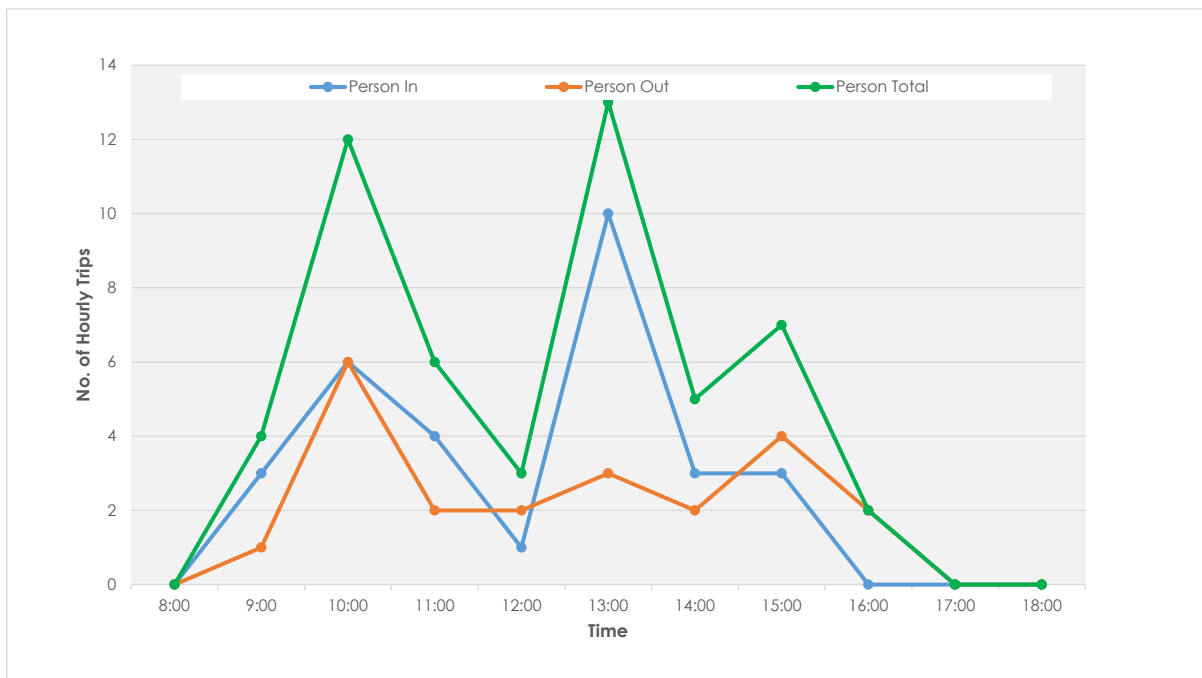


Figure 3.54: MA07 Survey Results (Saturday) – Vessel Movements

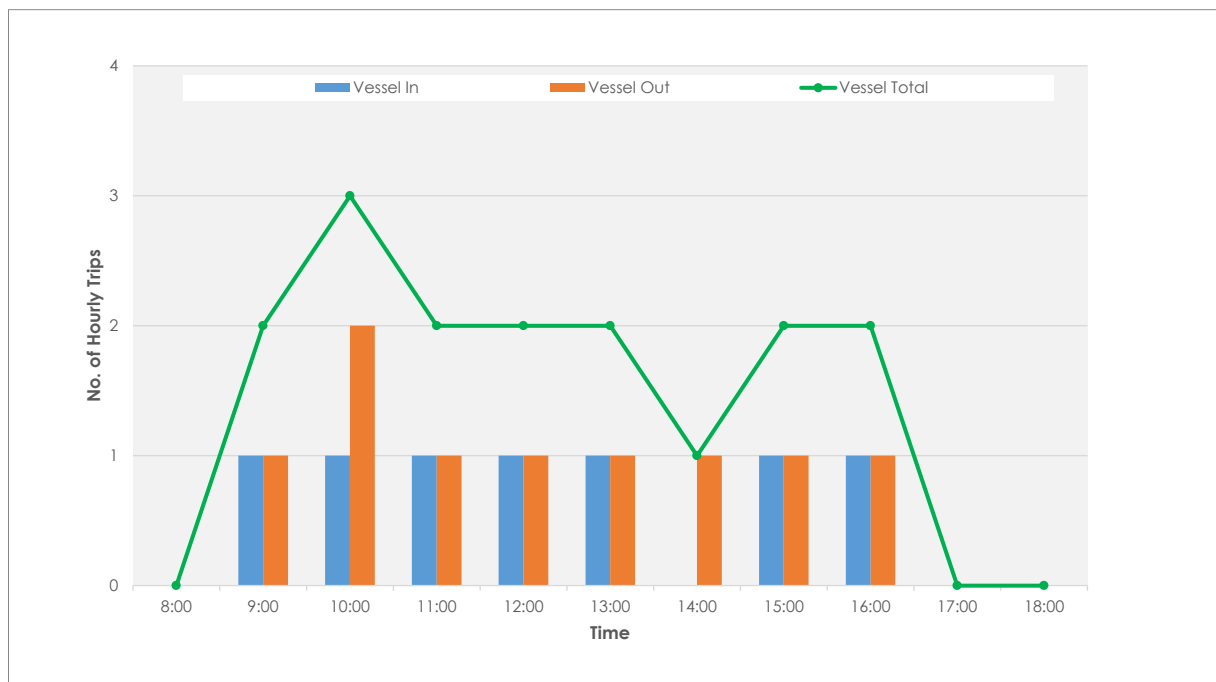


Table 3.41: MA07 Survey Results (Sunday 15-minute data)

Time Period	Vehicle-based Trips					Person-based Trips									Vessel Movements				
	In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied
8:00 to 8:15	0	0	0	4	13%	0	0	0	0	0	0	0	0	0	0	0	0	57	100%
8:15 to 8:30	0	0	0	4	13%	0	0	0	0	0	0	0	0	0	0	0	0	57	100%
8:30 to 8:45	0	0	0	4	13%	0	0	0	0	0	0	0	0	0	0	0	0	57	100%
8:45 to 9:00	0	0	0	4	13%	0	0	0	0	0	0	0	0	0	0	0	0	57	100%
9:00 to 9:15	0	1	1	3	10%	0	1	1	1	0	1	1	1	2	0	0	0	57	100%
9:15 to 9:30	1	0	1	4	13%	1	1	2	0	0	0	1	1	2	0	0	0	57	100%
9:30 to 9:45	0	0	0	4	13%	0	0	0	0	0	0	0	0	0	0	0	0	57	100%
9:45 to 10:00	0	1	1	3	10%	0	0	0	0	0	0	0	0	0	1	1	2	57	100%
10:00 to 10:15	0	0	0	3	10%	0	1	1	5	1	6	5	2	7	0	0	0	57	100%
10:15 to 10:30	1	0	1	4	13%	1	0	1	0	0	0	1	0	1	0	0	0	57	100%
10:30 to 10:45	0	1	1	3	10%	0	0	0	0	0	0	0	0	0	0	0	0	57	100%
10:45 to 11:00	0	0	0	3	10%	0	0	0	0	2	2	0	2	2	1	1	2	57	100%
11:00 to 11:15	1	0	1	4	13%	2	0	2	0	0	0	2	0	2	0	0	0	57	100%
11:15 to 11:30	0	0	0	4	13%	0	0	0	0	0	0	0	0	0	0	0	0	57	100%
11:30 to 11:45	0	0	0	4	13%	0	0	0	0	0	0	0	0	0	0	0	0	57	100%
11:45 to 12:00	0	0	0	4	13%	0	0	0	2	2	4	2	2	4	0	0	0	57	100%
12:00 to 12:15	0	1	1	3	10%	0	1	1	0	0	0	0	1	1	0	1	1	56	98%
12:15 to 12:30	1	0	1	4	13%	1	0	1	0	0	0	1	0	1	1	0	1	57	100%
12:30 to 12:45	0	0	0	4	13%	0	0	0	0	0	0	0	0	0	0	0	0	57	100%
12:45 to 13:00	1	0	1	5	17%	1	0	1	0	0	0	1	0	1	0	0	0	57	100%
13:00 to 13:15	0	0	0	5	17%	0	0	0	0	0	0	0	0	0	0	0	0	57	100%
13:15 to 13:30	0	0	0	5	17%	0	0	0	0	0	0	0	0	0	0	1	1	56	98%
13:30 to 13:45	1	1	2	5	17%	1	1	2	0	0	0	1	1	2	1	0	1	57	100%
13:45 to 14:00	0	0	0	5	17%	0	0	0	0	0	0	0	0	0	0	0	0	57	100%
14:00 to 14:15	0	0	0	5	17%	0	0	0	1	1	2	1	1	2	0	0	0	57	100%
14:15 to 14:30	0	1	1	4	13%	0	1	1	0	0	0	0	1	1	0	2	2	55	96%
14:30 to 14:45	0	0	0	4	13%	0	0	0	0	0	0	0	0	0	1	0	1	56	98%
14:45 to 15:00	0	2	2	2	7%	0	3	3	0	0	0	0	3	3	0	0	0	56	98%
15:00 to 15:15	1	0	1	3	10%	1	0	1	0	0	0	1	0	1	0	0	0	56	98%
15:15 to 15:30	0	0	0	3	10%	0	0	0	0	0	0	0	0	0	0	1	1	55	96%
15:30 to 15:45	0	0	0	3	10%	0	0	0	1	0	1	1	0	1	0	0	0	55	96%
15:45 to 16:00	0	0	0	3	10%	0	0	0	0	0	0	0	0	0	0	0	0	55	96%
16:00 to 16:15	0	1	1	2	7%	0	1	1	0	0	0	0	1	1	0	0	0	55	96%
16:15 to 16:30	0	0	0	2	7%	0	0	0	0	0	0	0	0	0	0	0	0	55	96%
16:30 to 16:45	0	0	0	2	7%	0	0	0	0	0	0	0	0	0	0	1	1	54	95%
16:45 to 17:00	0	0	0	2	7%	0	0	0	0	0	0	0	0	0	0	0	0	54	95%
17:00 to 17:15	0	0	0	2	7%	0	0	0	0	0	0	0	0	0	0	0	0	54	95%
17:15 to 17:30	0	0	0	2	7%	0	0	0	0	0	0	0	0	0	0	0	0	54	95%
17:30 to 17:45	0	0	0	2	7%	0	0	0	0	0	0	0	0	0	0	0	0	54	95%
17:45 to 18:00	0	0	0	2	7%	0	0	0	0	0	0	0	0	0	0	0	0	54	95%
18:00 to 18:15	0	0	0	2	7%	0	0	0	0	0	0	0	0	0	0	0	0	54	95%
18:15 to 18:30	0	0	0	2	7%	0	0	0	0	0	0	0	0	0	0	0	0	54	95%
18:30 to 18:45	0	0	0	2	7%	0	0	0	0	0	0	0	0	0	0	0	0	54	95%
18:45 to 19:00	0	0	0	2	7%	0	0	0	0	0	0	0	0	0	0	0	0	54	95%

Table 3.42: MA07 Survey Results (Sunday hourly data)

Time Period			Vehicle-based Trips					Person-based Trips										Vessel Movements				
			In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied	
								In	Out	Total	In	Out	Total	In	Out	Total						
8:00 to 9:00	0	0	0	4	13%	0	0	0	0	0	0	0	0	0	0	0	0	0	57	100%		
8:15 to 9:15	0	1	1	4	13%	0	1	1	1	0	1	1	1	2	2	0	0	0	57	100%		
8:30 to 9:30	1	1	2	4	13%	1	2	3	1	0	1	2	2	4	4	0	0	0	57	100%		
8:45 to 9:45	1	1	2	4	13%	1	2	3	1	0	1	2	2	4	4	0	0	0	57	100%		
9:00 to 10:00	1	2	3	4	13%	1	2	3	1	0	1	2	2	4	4	1	1	2	57	100%		
9:15 to 10:15	1	1	2	4	13%	1	2	3	5	1	6	6	3	9	9	1	1	2	57	100%		
9:30 to 10:30	1	1	2	4	13%	1	1	2	5	1	6	6	2	8	8	1	1	2	57	100%		
9:45 to 10:45	1	2	3	4	13%	1	1	2	5	1	6	6	2	8	8	1	1	2	57	100%		
10:00 to 11:00	1	1	2	4	13%	1	1	2	5	3	8	6	4	10	10	1	1	2	57	100%		
10:15 to 11:15	2	1	3	4	13%	3	0	3	0	2	2	3	2	5	1	1	2	57	100%			
10:30 to 11:30	1	1	2	4	13%	2	0	2	0	2	2	2	2	4	1	1	2	57	100%			
10:45 to 11:45	1	0	1	4	13%	2	0	2	0	2	2	2	2	4	1	1	2	57	100%			
11:00 to 12:00	1	0	1	4	13%	2	0	2	2	2	4	4	2	6	0	0	0	57	100%			
11:15 to 12:15	0	1	1	4	13%	0	1	1	2	2	4	2	3	5	0	1	1	57	100%			
11:30 to 12:30	1	1	2	4	13%	1	1	2	2	2	4	3	3	6	1	1	2	57	100%			
11:45 to 12:45	1	1	2	4	13%	1	1	2	2	2	4	3	3	6	1	1	2	57	100%			
12:00 to 13:00	2	1	3	5	17%	2	1	3	0	0	0	2	1	3	1	1	2	57	100%			
12:15 to 13:15	2	0	2	5	17%	2	0	2	0	0	0	2	0	2	1	0	1	57	100%			
12:30 to 13:30	1	0	1	5	17%	1	0	1	0	0	0	1	0	1	0	1	1	57	100%			
12:45 to 13:45	2	1	3	5	17%	2	1	3	0	0	0	2	1	3	1	1	2	57	100%			
13:00 to 14:00	1	1	2	5	17%	1	1	2	0	0	0	1	1	2	1	1	2	57	100%			
13:15 to 14:15	1	1	2	5	17%	1	1	2	1	1	2	2	2	4	1	1	2	57	100%			
13:30 to 14:30	1	2	3	5	17%	1	2	3	1	1	2	2	3	5	1	2	3	57	100%			
13:45 to 14:45	0	1	1	5	17%	0	1	1	1	1	2	1	2	3	1	2	3	57	100%			
14:00 to 15:00	0	3	3	5	17%	0	4	4	1	1	2	1	5	6	1	2	3	57	100%			
14:15 to 15:15	1	3	4	4	13%	1	4	5	0	0	0	1	4	5	1	2	3	56	98%			
14:30 to 15:30	1	2	3	4	13%	1	3	4	0	0	0	1	3	4	1	1	2	56	98%			
14:45 to 15:45	1	2	3	3	10%	1	3	4	1	0	1	2	3	5	0	1	1	56	98%			
15:00 to 16:00	1	0	1	3	10%	1	0	1	1	0	1	2	0	2	0	1	1	56	98%			
15:15 to 16:15	0	1	1	3	10%	0	1	1	1	0	1	1	1	2	0	1	1	55	96%			
15:30 to 16:30	0	1	1	3	10%	0	1	1	1	0	1	1	1	2	0	0	0	55	96%			
15:45 to 16:45	0	1	1	3	10%	0	1	1	0	0	0	0	1	1	0	1	1	55	96%			
16:00 to 17:00	0	1	1	2	7%	0	1	1	0	0	0	0	1	1	0	1	1	55	96%			
16:15 to 17:15	0	0	0	2	7%	0	0	0	0	0	0	0	0	0	0	1	1	55	96%			
16:30 to 17:30	0	0	0	2	7%	0	0	0	0	0	0	0	0	0	0	1	1	54	95%			
16:45 to 17:45	0	0	0	2	7%	0	0	0	0	0	0	0	0	0	0	0	0	54	95%			
17:00 to 18:00	0	0	0	2	7%	0	0	0	0	0	0	0	0	0	0	0	0	54	95%			
17:15 to 18:15	0	0	0	2	7%	0	0	0	0	0	0	0	0	0	0	0	0	54	95%			
17:30 to 18:30	0	0	0	2	7%	0	0	0	0	0	0	0	0	0	0	0	0	54	95%			
17:45 to 18:45	0	0	0	2	7%	0	0	0	0	0	0	0	0	0	0	0	0	54	95%			
18:00 to 19:00	0	0	0	2	7%	0	0	0	0	0	0	0	0	0	0	0	0	54	95%			

 Network AM peak hour
 Site peak hour

Figure 3.55: MA07 Survey Results (Sunday) – Vehicle Trips

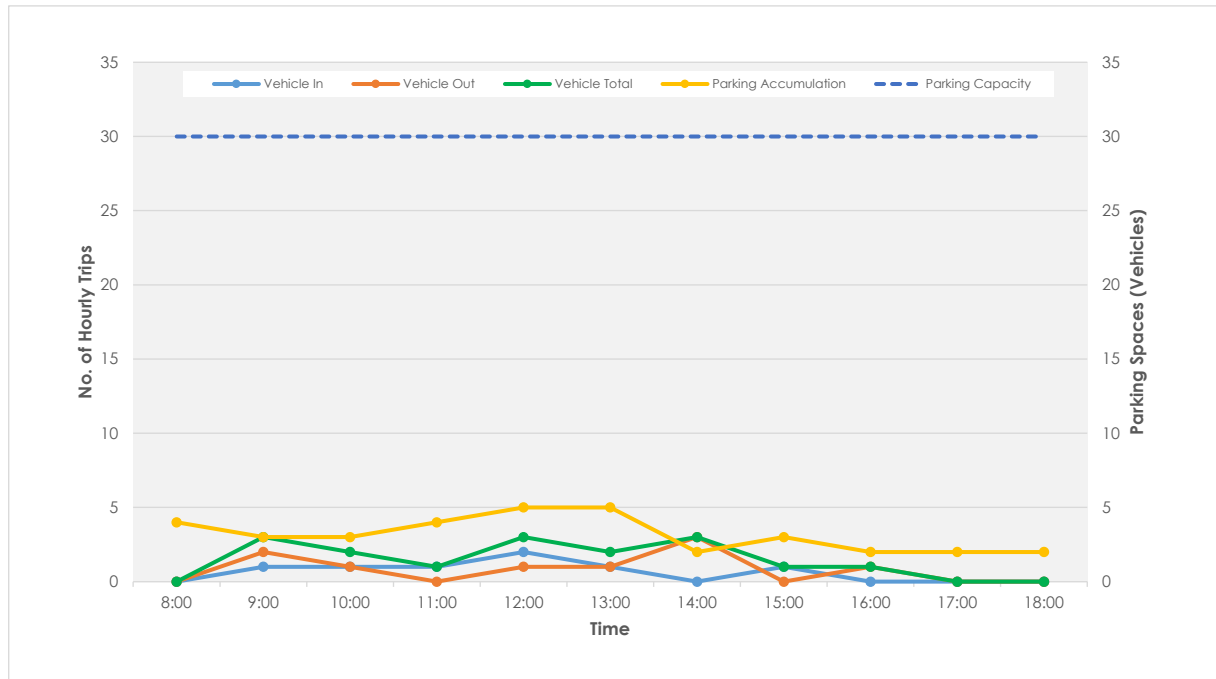


Figure 3.56: MA07 Survey Results (Sunday) – Person Trips

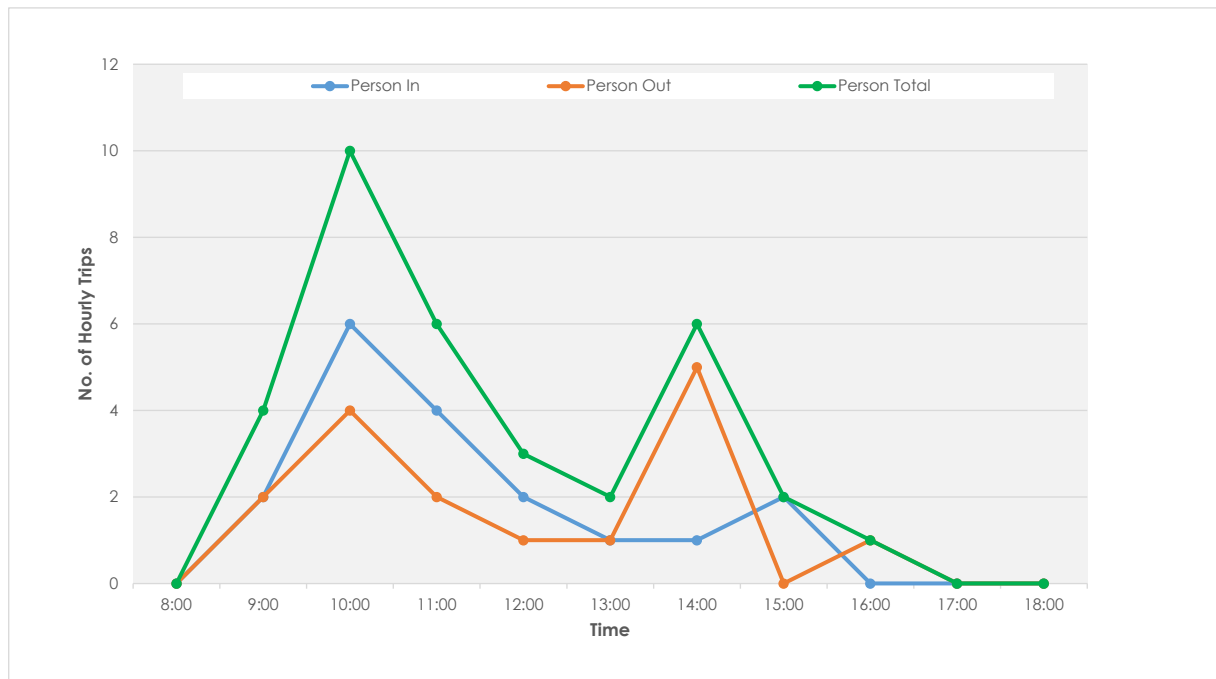
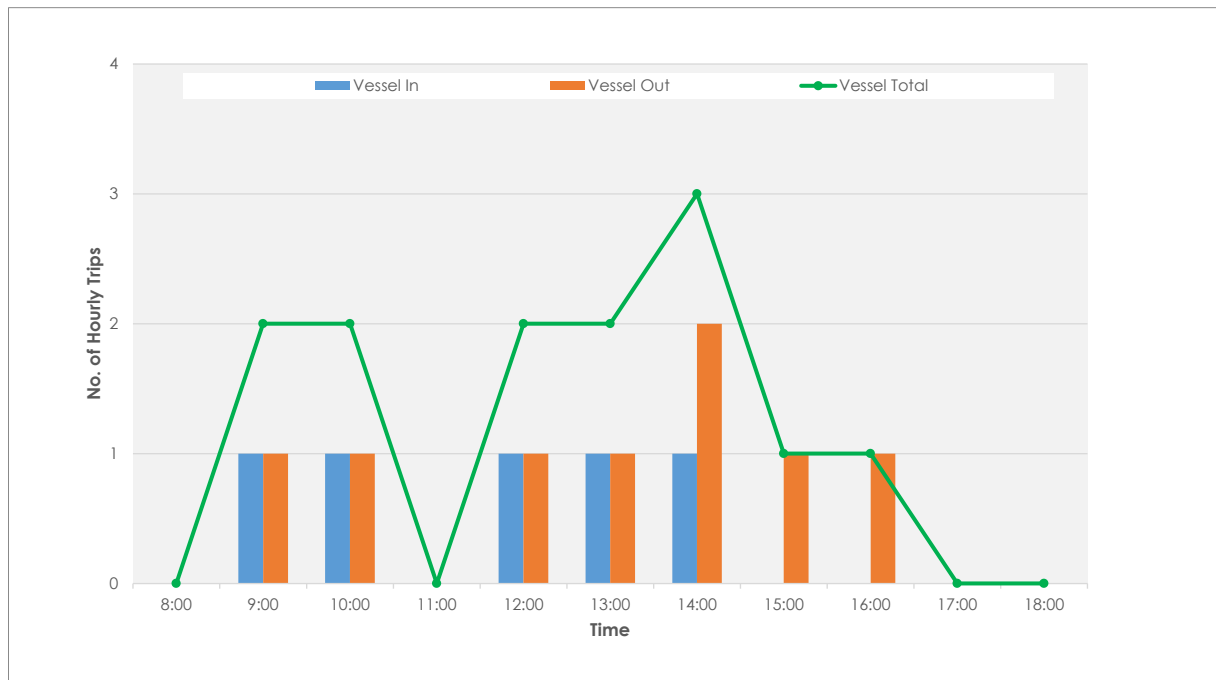


Figure 3.57: MA07 Survey Results (Sunday) – Vessel Movements



3.1.8 MA08 - Sydney Superyacht Marina

Table 3.43: MA08 Survey Results (Friday 15-minute data)

Time Period	Vehicle-based Trips						Person-based Trips										Vessel Movements				
	In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total		In	Out	Total	Max Accumulation	% Occupied			
						In	Out	Total	In	Out	Total	In	Out								
8:00 to 8:15	1	0	1	35	12%	1	0	1	0	0	0	1	0	1	1	0	1	79	73%		
8:15 to 8:30	0	0	0	35	12%	0	0	0	0	0	0	0	0	0	1	1	2	79	73%		
8:30 to 8:45	4	1	5	38	13%	8	2	10	0	0	0	8	2	10	1	6	7	74	69%		
8:45 to 9:00	1	0	1	39	14%	1	0	1	0	0	0	1	0	1	6	5	11	75	69%		
9:00 to 9:15	2	0	2	41	14%	4	0	4	0	0	0	4	0	4	2	4	6	73	68%		
9:15 to 9:30	3	1	4	43	15%	3	1	4	0	0	0	3	1	4	3	4	7	72	67%		
9:30 to 9:45	1	0	1	44	15%	1	0	1	0	0	0	1	0	1	4	5	9	71	66%		
9:45 to 10:00	1	0	1	45	16%	3	0	3	0	0	0	3	0	3	2	5	7	68	63%		
10:00 to 10:15	1	5	6	41	14%	1	5	6	0	0	0	1	5	6	0	0	0	68	63%		
10:15 to 10:30	2	3	5	40	14%	3	3	6	0	0	0	3	3	6	1	1	2	68	63%		
10:30 to 10:45	2	2	4	40	14%	3	3	6	0	0	0	3	3	6	1	5	6	64	59%		
10:45 to 11:00	2	0	2	42	15%	5	0	5	1	0	1	6	0	6	2	4	6	62	57%		
11:00 to 11:15	3	1	4	44	15%	4	1	5	0	0	0	4	1	5	2	4	6	60	56%		
11:15 to 11:30	1	0	1	45	16%	2	0	2	0	0	0	2	0	2	3	6	9	57	53%		
11:30 to 11:45	0	0	0	45	16%	3	1	4	0	0	0	3	1	4	1	4	5	54	50%		
11:45 to 12:00	2	1	3	46	16%	1	0	1	0	0	0	1	0	1	0	1	1	53	49%		
12:00 to 12:15	1	0	1	47	16%	1	1	2	0	2	2	1	3	4	4	1	5	56	52%		
12:15 to 12:30	1	2	3	46	16%	1	5	6	0	0	0	1	5	6	0	1	1	55	51%		
12:30 to 12:45	1	1	2	46	16%	2	1	3	0	0	0	2	1	3	2	0	2	57	53%		
12:45 to 13:00	0	0	0	46	16%	2	3	5	0	0	0	2	3	5	5	1	6	61	56%		
13:00 to 13:15	1	2	3	45	16%	0	1	1	0	0	0	0	1	1	3	0	3	64	59%		
13:15 to 13:30	0	1	1	44	15%	0	2	2	0	0	0	0	2	2	0	0	0	64	59%		
13:30 to 13:45	1	0	1	45	16%	1	0	1	0	0	0	1	0	1	0	0	0	64	59%		
13:45 to 14:00	0	1	1	44	15%	0	2	2	0	0	0	0	2	2	1	0	1	65	60%		
14:00 to 14:15	0	1	1	43	15%	0	2	2	0	0	0	0	2	2	0	1	1	64	59%		
14:15 to 14:30	2	1	3	44	15%	3	2	5	0	0	0	3	2	5	1	0	1	65	60%		
14:30 to 14:45	1	0	1	45	16%	2	0	2	0	0	0	2	0	2	0	1	1	64	59%		
14:45 to 15:00	0	0	0	45	16%	0	0	0	0	0	0	0	0	0	0	0	0	64	59%		
15:00 to 15:15	1	1	2	45	16%	0	2	2	0	0	0	0	2	2	1	2	3	63	58%		
15:15 to 15:30	0	1	1	44	15%	0	0	0	0	0	0	0	0	0	0	0	0	63	58%		
15:30 to 15:45	1	2	3	43	15%	1	2	3	0	0	0	1	2	3	0	1	1	62	57%		
15:45 to 16:00	0	4	4	39	14%	0	8	8	0	0	0	0	8	8	0	1	1	61	56%		
16:00 to 16:15	0	0	0	39	14%	0	0	0	0	0	0	0	0	0	1	2	2	61	56%		
16:15 to 16:30	0	1	1	38	13%	0	1	1	0	0	0	0	1	1	3	0	3	64	59%		
16:30 to 16:45	0	1	1	37	13%	0	1	1	0	0	0	0	1	1	4	2	6	66	61%		
16:45 to 17:00	0	1	1	36	13%	0	1	1	0	0	0	0	1	1	2	1	3	67	62%		
17:00 to 17:15	0	0	0	36	13%	0	0	0	0	0	0	0	0	0	0	0	0	67	62%		
17:15 to 17:30	0	0	0	36	13%	0	0	0	0	0	0	0	0	0	0	0	0	67	62%		
17:30 to 17:45	0	0	0	36	13%	0	0	0	0	0	0	0	0	0	0	0	0	67	62%		
17:45 to 18:00	0	0	0	36	13%	0	0	0	0	0	0	0	0	0	0	0	0	67	62%		
18:00 to 18:15	0	0	0	36	13%	0	0	0	0	0	0	0	0	0	0	0	0	67	62%		
18:15 to 18:30	0	0	0	36	13%	0	0	0	0	0	0	0	0	0	0	0	0	67	62%		
18:30 to 18:45	0	0	0	36	13%	0	0	0	0	0	0	0	0	0	0	0	0	67	62%		
18:45 to 19:00	0	0	0	36	13%	0	0	0	0	0	0	0	0	0	0	0	0	67	62%		

Table 3.44: MA08 Survey Results (Friday hourly data)

Time Period	Vehicle-based Trips						Person-based Trips												Vessel Movements				
	In	Out	Total	Max Accumulation	% Occupied		Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied			
							In	Out	Total	In	Out	Total	In	Out	Total								
8:00 to 9:00	6	1	7	39	14%		10	2	12	0	0	0	10	2	12	9	12	21	79	73%			
8:15 to 9:15	7	1	8	41	14%		13	2	15	0	0	0	13	2	15	10	16	26	79	73%			
8:30 to 9:30	10	2	12	43	15%		16	3	19	0	0	0	16	3	19	12	19	31	75	69%			
8:45 to 9:45	7	1	8	44	15%		9	1	10	0	0	0	9	1	10	15	18	33	75	69%			
9:00 to 10:00	7	1	8	45	16%		11	1	12	0	0	0	11	1	12	11	18	29	73	68%			
9:15 to 10:15	6	6	12	45	16%		8	6	14	0	0	0	8	6	14	9	14	23	72	67%			
9:30 to 10:30	5	8	13	45	16%		8	8	16	0	0	0	8	8	16	7	11	18	71	66%			
9:45 to 10:45	6	10	16	45	16%		10	11	21	0	0	0	10	11	21	4	11	15	68	63%			
10:00 to 11:00	7	10	17	42	15%		12	11	23	1	0	1	13	11	24	4	10	14	68	63%			
10:15 to 11:15	9	6	15	44	15%		15	7	22	1	0	1	16	7	23	6	14	20	68	63%			
10:30 to 11:30	8	3	11	45	16%		14	4	18	1	0	1	15	4	19	8	19	27	64	59%			
10:45 to 11:45	6	1	7	45	16%		14	2	16	1	0	1	15	2	17	8	18	26	62	57%			
11:00 to 12:00	6	2	8	46	16%		10	2	12	0	0	0	10	2	12	6	15	21	60	56%			
11:15 to 12:15	4	1	5	47	16%		7	2	9	0	2	2	7	4	11	8	12	20	57	53%			
11:30 to 12:30	4	3	7	47	16%		6	7	13	0	2	2	6	9	15	5	7	12	56	52%			
11:45 to 12:45	5	4	9	47	16%		5	7	12	0	2	2	5	9	14	6	3	9	57	53%			
12:00 to 13:00	3	3	6	47	16%		6	10	16	0	2	2	6	12	18	11	3	14	61	56%			
12:15 to 13:15	3	5	8	46	16%		5	10	15	0	0	0	5	10	15	10	2	12	64	59%			
12:30 to 13:30	2	4	6	46	16%		4	7	11	0	0	0	4	7	11	10	1	11	64	59%			
12:45 to 13:45	2	3	5	46	16%		3	6	9	0	0	0	3	6	9	8	1	9	64	59%			
13:00 to 14:00	2	4	6	45	16%		1	5	6	0	0	0	1	5	6	4	0	4	65	60%			
13:15 to 14:15	1	3	4	45	16%		1	6	7	0	0	0	1	6	7	1	1	2	65	60%			
13:30 to 14:30	3	3	6	45	16%		4	6	10	0	0	0	4	6	10	2	1	3	65	60%			
13:45 to 14:45	3	3	6	45	16%		5	6	11	0	0	0	5	6	11	2	2	4	65	60%			
14:00 to 15:00	3	2	5	45	16%		5	4	9	0	0	0	5	4	9	1	2	3	65	60%			
14:15 to 15:15	4	2	6	45	16%		5	4	9	0	0	0	5	4	9	2	3	5	65	60%			
14:30 to 15:30	2	2	4	45	16%		2	2	4	0	0	0	2	2	4	1	3	4	64	59%			
14:45 to 15:45	2	4	6	45	16%		1	4	5	0	0	0	1	4	5	1	3	4	64	59%			
15:00 to 16:00	2	8	10	45	16%		1	12	13	0	0	0	1	12	13	1	4	5	63	58%			
15:15 to 16:15	1	7	8	44	15%		1	10	11	0	0	0	1	10	11	1	3	4	63	58%			
15:30 to 16:30	1	7	8	43	15%		1	11	12	0	0	0	1	11	12	4	3	7	64	59%			
15:45 to 16:45	0	6	6	39	14%		0	10	10	0	0	0	0	10	10	8	4	12	66	61%			
16:00 to 17:00	0	3	3	39	14%		0	3	3	0	0	0	0	3	3	10	4	14	67	62%			
16:15 to 17:15	0	3	3	38	13%		0	3	3	0	0	0	0	3	3	9	3	12	67	62%			
16:30 to 17:30	0	2	2	37	13%		0	2	2	0	0	0	0	2	2	6	3	9	67	62%			
16:45 to 17:45	0	1	1	36	13%		0	1	1	0	0	0	0	1	1	2	1	3	67	62%			
17:00 to 18:00	0	0	0	36	13%		0	0	0	0	0	0	0	0	0	0	0	0	67	62%			
17:15 to 18:15	0	0	0	36	13%		0	0	0	0	0	0	0	0	0	0	0	0	67	62%			
17:30 to 18:30	0	0	0	36	13%		0	0	0	0	0	0	0	0	0	0	0	0	67	62%			
17:45 to 18:45	0	0	0	36	13%		0	0	0	0	0	0	0	0	0	0	0	0	67	62%			
18:00 to 19:00	0	0	0	36	13%		0	0	0	0	0	0	0	0	0	0	0	0	67	62%			

 Network AM peak hour
 Network PM peak hour
 Site AM peak hour
 Site PM peak hour
 Site (daily) peak hour

Figure 3.58: MA08 Survey Results (Friday) – Vehicle Trips

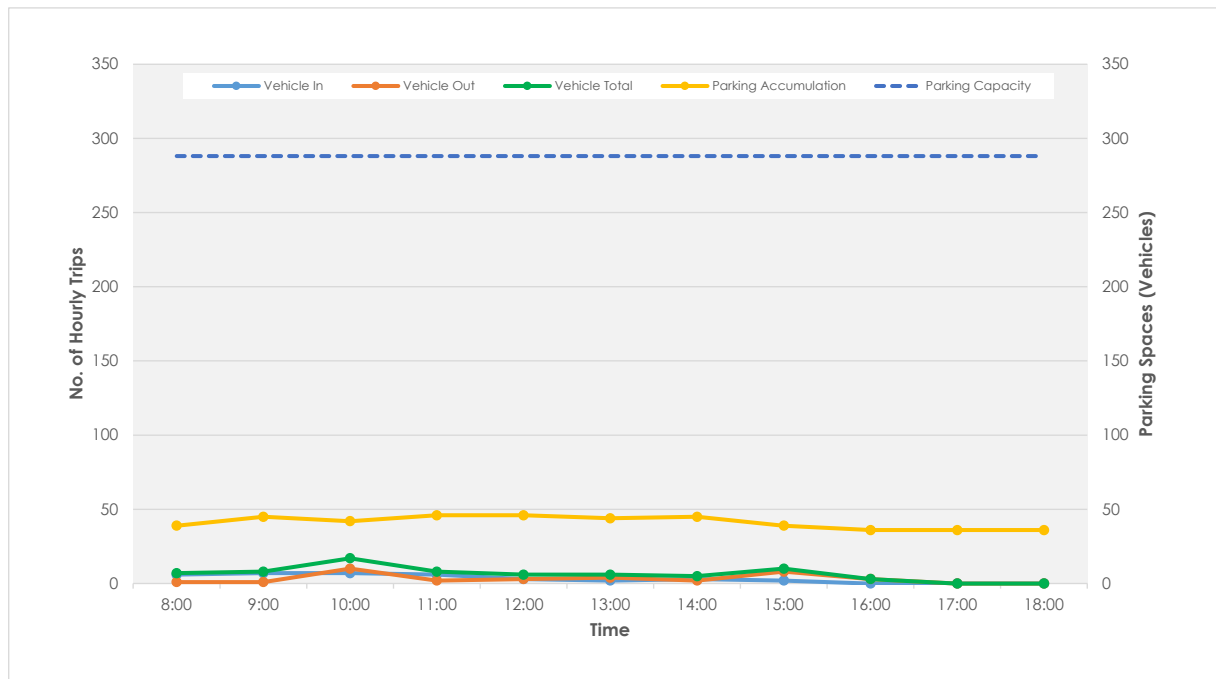


Figure 3.59: MA08 Survey Results (Friday) – Person Trips

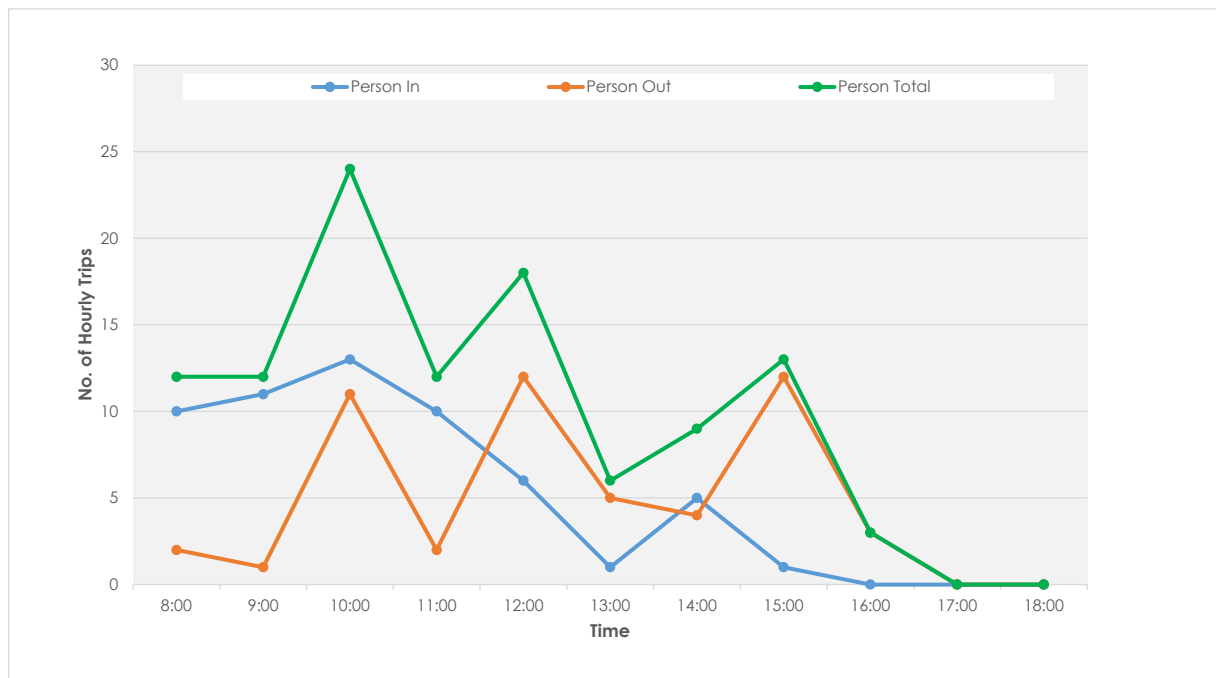


Figure 3.60: MA08 Survey Results (Friday) – Vessel Movements

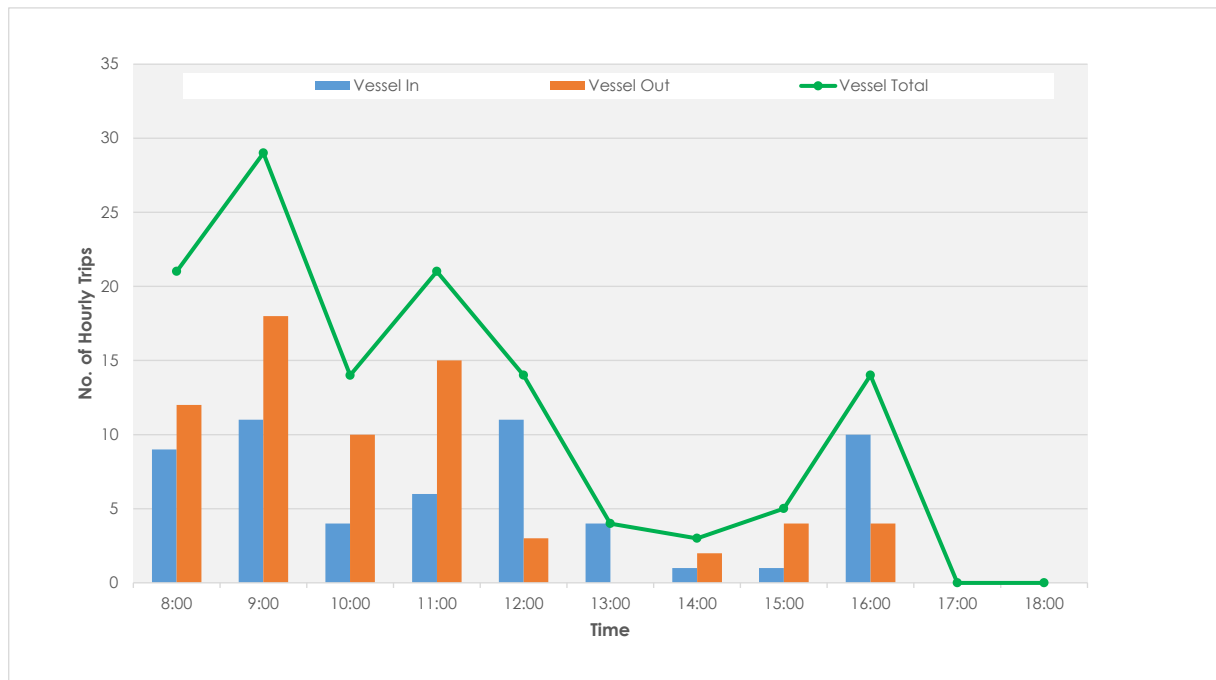


Table 3.45: MA08 Survey Results (Saturday 15-minute data)

Time Period	Vehicle-based Trips						Person-based Trips									Vessel Movements				
	In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied	
						In	Out	Total	In	Out	Total	In	Out	Total						
8:00 to 8:15	1	1	2	47	16%	1	1	2	0	0	0	1	1	2	0	2	2	86	81%	
8:15 to 8:30	1	1	2	47	16%	1	1	2	0	0	0	1	1	2	0	3	3	83	81%	
8:30 to 8:45	2	1	3	48	17%	3	1	4	0	0	0	3	1	4	0	2	2	81	80%	
8:45 to 9:00	0	0	0	48	17%	0	0	0	0	0	0	0	0	0	0	2	2	79	80%	
9:00 to 9:15	1	2	3	47	16%	1	3	4	0	0	0	1	3	4	0	3	3	76	80%	
9:15 to 9:30	2	0	2	49	17%	2	0	2	3	0	3	5	0	5	1	5	6	72	79%	
9:30 to 9:45	0	0	0	49	17%	0	0	0	0	0	0	0	0	0	0	2	2	70	79%	
9:45 to 10:00	1	0	1	50	17%	2	0	2	0	1	1	2	1	3	0	2	2	68	79%	
10:00 to 10:15	1	0	1	51	18%	4	0	4	3	0	3	7	0	7	0	2	2	66	79%	
10:15 to 10:30	2	2	4	51	18%	4	0	4	0	1	1	4	1	5	1	4	5	63	79%	
10:30 to 10:45	2	1	3	52	18%	4	3	7	0	0	0	4	3	7	0	1	1	62	78%	
10:45 to 11:00	2	1	3	53	18%	2	1	3	0	1	1	2	2	4	1	3	4	60	78%	
11:00 to 11:15	2	3	5	52	18%	4	6	10	2	0	2	6	6	12	3	3	6	60	79%	
11:15 to 11:30	0	2	2	50	17%	0	2	2	1	1	2	1	3	4	0	4	4	56	79%	
11:30 to 11:45	3	1	4	52	18%	4	2	6	2	1	3	6	3	9	0	1	1	55	79%	
11:45 to 12:00	2	2	4	52	18%	2	1	3	0	5	5	2	6	8	2	2	4	55	80%	
12:00 to 12:15	0	3	3	49	17%	0	4	4	0	2	2	0	6	6	2	3	5	54	79%	
12:15 to 12:30	2	1	3	50	17%	3	1	4	0	2	2	3	3	6	1	0	1	55	79%	
12:30 to 12:45	0	0	0	50	17%	0	0	0	0	0	0	0	0	0	0	0	0	55	78%	
12:45 to 13:00	0	1	1	49	17%	0	2	2	1	0	1	1	2	3	4	1	5	58	78%	
13:00 to 13:15	0	0	0	49	17%	0	3	3	0	0	0	0	3	3	1	2	3	57	78%	
13:15 to 13:30	0	1	1	48	17%	0	0	0	0	0	0	0	0	0	0	1	1	56	78%	
13:30 to 13:45	0	0	0	48	17%	0	0	0	0	0	0	0	0	0	0	1	1	55	77%	
13:45 to 14:00	0	0	0	48	17%	0	0	0	0	0	0	0	0	0	0	0	0	55	77%	
14:00 to 14:15	0	0	0	48	17%	0	0	0	0	0	0	0	0	0	0	1	1	54	77%	
14:15 to 14:30	2	0	2	50	17%	2	0	2	0	0	0	2	0	2	0	1	1	53	77%	
14:30 to 14:45	0	0	0	50	17%	0	0	0	0	0	0	0	0	0	2	1	3	54	78%	
14:45 to 15:00	0	0	0	50	17%	0	0	0	0	0	0	0	0	0	3	3	6	54	77%	
15:00 to 15:15	0	0	0	50	17%	0	0	0	1	0	1	1	0	1	1	2	3	53	77%	
15:15 to 15:30	0	1	1	49	17%	0	1	1	0	0	0	0	1	1	2	2	4	53	76%	
15:30 to 15:45	2	1	3	50	17%	3	1	4	0	0	0	3	1	4	2	3	5	52	77%	
15:45 to 16:00	0	0	0	50	17%	0	0	0	3	0	3	3	0	3	2	1	3	53	78%	
16:00 to 16:15	1	1	2	50	17%	1	1	2	0	0	0	1	1	2	5	1	6	57	78%	
16:15 to 16:30	0	1	1	49	17%	0	0	0	0	0	0	0	0	0	4	2	6	59	78%	
16:30 to 16:45	0	1	1	48	17%	0	2	2	0	1	1	0	3	3	3	0	3	62	79%	
16:45 to 17:00	0	1	1	47	16%	0	2	2	0	0	0	0	2	2	2	0	2	64	79%	
17:00 to 17:15	0	0	0	47	16%	0	0	0	0	0	0	0	0	0	0	0	0	64	79%	
17:15 to 17:30	0	0	0	47	16%	0	0	0	0	0	0	0	0	0	0	0	0	64	79%	
17:30 to 17:45	0	0	0	47	16%	0	0	0	0	0	0	0	0	0	0	0	0	64	79%	
17:45 to 18:00	0	0	0	47	16%	0	0	0	0	0	0	0	0	0	0	0	0	64	79%	
18:00 to 18:15	0	0	0	47	16%	0	0	0	0	0	0	0	0	0	0	0	0	64	79%	
18:15 to 18:30	0	0	0	47	16%	0	0	0	0	0	0	0	0	0	0	0	0	64	79%	
18:30 to 18:45	0	0	0	47	16%	0	0	0	0	0	0	0	0	0	0	0	0	64	79%	
18:45 to 19:00	0	0	0	47	16%	0	0	0	0	0	0	0	0	0	0	0	0	64	79%	

Table 3.46: MA08 Survey Results (Saturday hourly data)

Time Period	Vehicle-based Trips						Person-based Trips												Vessel Movements				
	In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied				
						In	Out	Total	In	Out	Total	In	Out	Total									
8:00 to 9:00	4	3	7	48	17%	5	3	8	0	0	0	5	3	8	0	9	9	86	80%				
8:15 to 9:15	4	4	8	48	17%	5	5	10	0	0	0	5	5	10	0	10	10	83	77%				
8:30 to 9:30	5	3	8	49	17%	6	4	10	3	0	3	9	4	13	1	12	13	81	75%				
8:45 to 9:45	3	2	5	49	17%	3	3	6	3	0	3	6	3	9	1	12	13	79	73%				
9:00 to 10:00	4	2	6	50	17%	5	3	8	3	1	4	8	4	12	1	12	13	76	70%				
9:15 to 10:15	4	0	4	51	18%	8	0	8	6	1	7	14	1	15	1	11	12	72	67%				
9:30 to 10:30	4	2	6	51	18%	10	0	10	3	2	5	13	2	15	1	10	11	70	65%				
9:45 to 10:45	6	3	9	52	18%	14	3	17	3	2	5	17	5	22	1	9	10	68	63%				
10:00 to 11:00	7	4	11	53	18%	14	4	18	3	2	5	17	6	23	2	10	12	66	61%				
10:15 to 11:15	8	7	15	53	18%	14	10	24	2	2	4	16	12	28	5	11	16	63	58%				
10:30 to 11:30	6	7	13	53	18%	10	12	22	3	2	5	13	14	27	4	11	15	62	57%				
10:45 to 11:45	7	7	14	53	18%	10	11	21	5	3	8	15	14	29	4	11	15	60	56%				
11:00 to 12:00	7	8	15	52	18%	10	11	21	5	7	12	15	18	33	5	10	15	60	56%				
11:15 to 12:15	5	8	13	52	18%	6	9	15	3	9	12	9	18	27	4	10	14	56	52%				
11:30 to 12:30	7	7	14	52	18%	9	8	17	2	10	12	11	18	29	5	6	11	55	51%				
11:45 to 12:45	4	6	10	52	18%	5	6	11	0	9	9	5	15	20	5	5	10	55	51%				
12:00 to 13:00	2	5	7	50	17%	3	7	10	1	4	5	4	11	15	7	4	11	58	54%				
12:15 to 13:15	2	2	4	50	17%	3	6	9	1	2	3	4	8	12	6	3	9	58	54%				
12:30 to 13:30	0	2	2	50	17%	0	5	5	1	0	1	1	5	6	5	4	9	58	54%				
12:45 to 13:45	0	2	2	49	17%	0	5	5	1	0	1	1	5	6	5	5	10	58	54%				
13:00 to 14:00	0	1	1	49	17%	0	3	3	0	0	0	0	3	3	1	4	5	57	53%				
13:15 to 14:15	0	1	1	48	17%	0	0	0	0	0	0	0	0	0	0	3	3	56	52%				
13:30 to 14:30	2	0	2	50	17%	2	0	2	0	0	0	2	0	2	0	3	3	55	51%				
13:45 to 14:45	2	0	2	50	17%	2	0	2	0	0	0	2	0	2	2	3	5	55	51%				
14:00 to 15:00	2	0	2	50	17%	2	0	2	0	0	0	2	0	2	5	6	11	54	50%				
14:15 to 15:15	2	0	2	50	17%	2	0	2	1	0	1	3	0	3	6	7	13	54	50%				
14:30 to 15:30	0	1	1	50	17%	0	1	1	1	0	1	1	1	2	8	8	16	54	50%				
14:45 to 15:45	2	2	4	50	17%	3	2	5	1	0	1	4	2	6	8	10	18	54	50%				
15:00 to 16:00	2	2	4	50	17%	3	2	5	4	0	4	7	2	9	7	8	15	53	49%				
15:15 to 16:15	3	3	6	50	17%	4	3	7	3	0	3	7	3	10	11	7	18	57	53%				
15:30 to 16:30	3	3	6	50	17%	4	2	6	3	0	3	7	2	9	13	7	20	59	55%				
15:45 to 16:45	1	3	4	50	17%	1	3	4	3	1	4	4	4	8	14	4	18	62	57%				
16:00 to 17:00	1	4	5	50	17%	1	5	6	0	1	1	1	6	7	14	3	17	64	59%				
16:15 to 17:15	0	3	3	49	17%	0	4	4	0	1	1	0	5	5	9	2	11	64	59%				
16:30 to 17:30	0	2	2	48	17%	0	4	4	0	1	1	0	5	5	5	0	5	64	59%				
16:45 to 17:45	0	1	1	47	16%	0	2	2	0	0	0	0	2	2	2	0	2	64	59%				
17:00 to 18:00	0	0	0	47	16%	0	0	0	0	0	0	0	0	0	0	0	0	64	59%				
17:15 to 18:15	0	0	0	47	16%	0	0	0	0	0	0	0	0	0	0	0	0	64	59%				
17:30 to 18:30	0	0	0	47	16%	0	0	0	0	0	0	0	0	0	0	0	0	64	59%				
17:45 to 18:45	0	0	0	47	16%	0	0	0	0	0	0	0	0	0	0	0	0	64	59%				
18:00 to 19:00	0	0	0	47	16%	0	0	0	0	0	0	0	0	0	0	0	0	64	59%				

 Network AM peak hour
 Site peak hour

Figure 3.61: MA08 Survey Results (Saturday) – Vehicle Trips

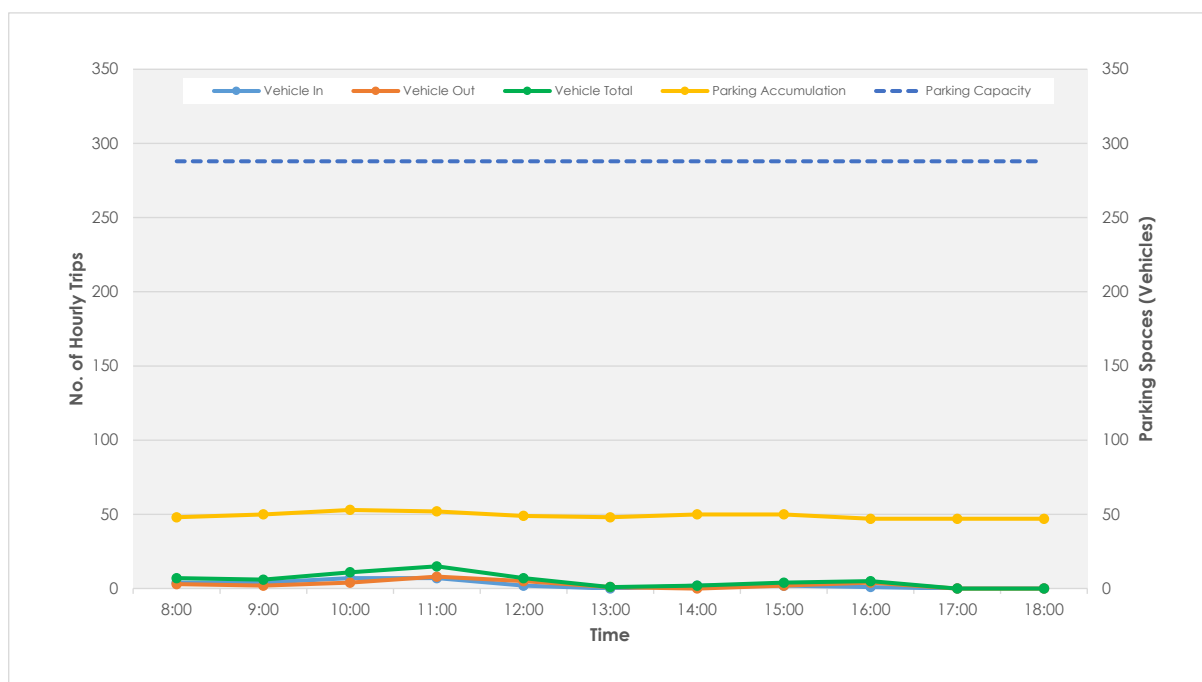


Figure 3.62: MA08 Survey Results (Saturday) – Person Trips

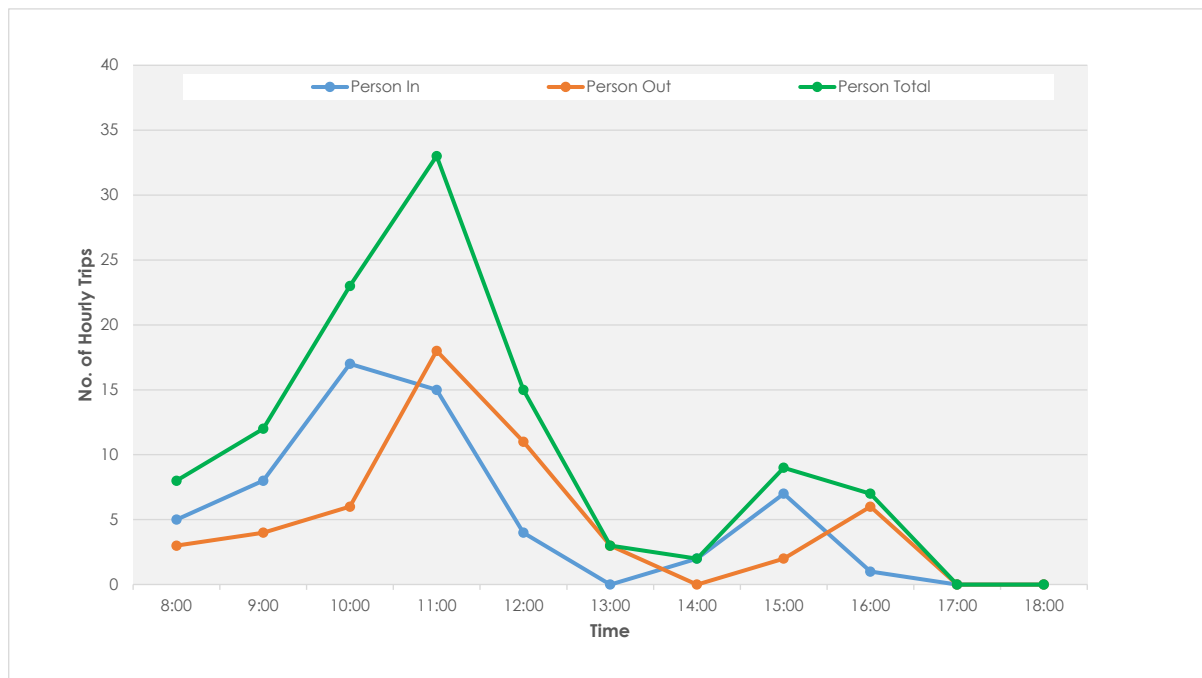


Figure 3.63: MA08 Survey Results (Saturday) – Vessel Movements

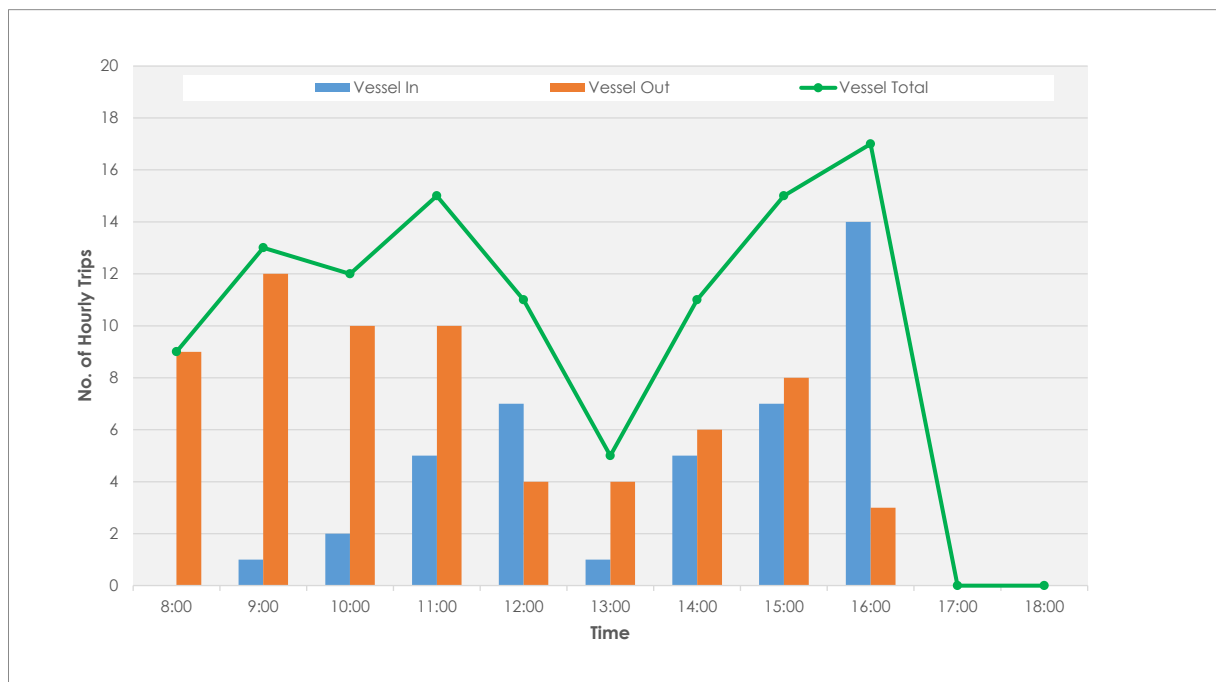


Table 3.47: MA08 Survey Results (Sunday 15-minute data)

Time Period	Vehicle-based Trips					Person-based Trips									Vessel Movements				
	In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied
8:00 to 8:15	0	0	0	41	14%	0	0	0	1	2	3	1	2	3	0	3	3	79	73%
8:15 to 8:30	0	0	0	41	14%	0	0	0	0	0	0	0	0	0	0	2	2	77	71%
8:30 to 8:45	0	1	1	40	14%	0	1	1	0	0	0	0	1	1	1	0	1	78	72%
8:45 to 9:00	2	0	2	42	15%	3	0	3	1	1	2	4	1	5	0	1	1	77	71%
9:00 to 9:15	1	1	2	42	15%	1	2	3	2	2	4	3	4	7	0	2	2	75	69%
9:15 to 9:30	0	2	2	40	14%	0	2	2	2	0	2	2	2	4	0	2	2	73	68%
9:30 to 9:45	1	1	2	40	14%	1	1	2	4	5	9	5	6	11	0	1	1	72	67%
9:45 to 10:00	0	0	0	40	14%	0	0	0	1	1	2	1	1	2	0	0	0	72	67%
10:00 to 10:15	0	0	0	40	14%	4	2	6	0	0	0	4	2	6	0	0	0	72	67%
10:15 to 10:30	1	0	1	41	14%	2	0	2	3	0	3	5	0	5	0	0	0	72	67%
10:30 to 10:45	1	2	3	40	14%	1	6	7	2	0	2	3	6	9	1	2	3	71	66%
10:45 to 11:00	1	1	2	40	14%	1	1	2	0	0	0	1	1	2	0	1	1	70	65%
11:00 to 11:15	1	0	1	41	14%	2	0	2	2	2	4	4	2	6	1	2	3	69	64%
11:15 to 11:30	2	2	4	41	14%	2	3	5	0	0	0	2	3	5	0	3	3	66	61%
11:30 to 11:45	1	1	2	41	14%	2	1	3	0	0	0	2	1	3	2	2	4	66	61%
11:45 to 12:00	5	1	6	45	16%	7	1	8	2	1	3	9	2	11	2	1	3	67	62%
12:00 to 12:15	1	1	2	45	16%	2	2	4	6	5	11	8	7	15	0	1	1	66	61%
12:15 to 12:30	2	3	5	44	15%	4	4	8	0	0	0	4	4	8	0	1	1	65	60%
12:30 to 12:45	0	0	0	44	15%	0	0	0	0	0	0	0	0	0	1	0	1	66	61%
12:45 to 13:00	0	1	1	43	15%	0	1	1	0	0	0	0	1	1	0	0	0	66	61%
13:00 to 13:15	2	1	3	44	15%	3	1	4	1	0	1	4	1	5	0	0	0	66	61%
13:15 to 13:30	0	0	0	44	15%	0	0	0	0	0	0	0	0	0	0	1	1	65	60%
13:30 to 13:45	0	0	0	44	15%	0	1	1	3	2	5	3	3	6	0	0	0	65	60%
13:45 to 14:00	0	1	1	43	15%	0	2	2	0	0	0	0	2	2	0	0	0	65	60%
14:00 to 14:15	0	1	1	42	15%	0	1	1	2	0	2	2	1	3	0	0	0	65	60%
14:15 to 14:30	0	0	0	42	15%	0	1	1	2	3	5	2	4	6	1	0	1	66	61%
14:30 to 14:45	0	1	1	41	14%	0	2	2	0	0	0	0	2	2	1	0	1	67	62%
14:45 to 15:00	0	1	1	40	14%	0	2	2	0	0	0	0	2	2	5	0	5	72	67%
15:00 to 15:15	1	1	2	40	14%	1	1	2	0	0	0	1	1	2	2	1	3	73	68%
15:15 to 15:30	1	1	2	40	14%	3	3	6	0	0	0	3	3	6	1	0	1	74	69%
15:30 to 15:45	0	0	0	40	14%	0	0	0	0	0	0	0	0	0	0	1	1	73	68%
15:45 to 16:00	0	3	3	37	13%	0	0	0	0	0	0	0	0	0	1	0	1	74	69%
16:00 to 16:15	0	0	0	37	13%	0	0	0	0	1	1	0	1	1	0	1	1	73	68%
16:15 to 16:30	0	1	1	36	13%	0	1	1	0	0	0	0	1	1	0	0	1	74	69%
16:30 to 16:45	0	0	0	36	13%	0	0	0	0	0	0	0	0	0	0	0	0	74	69%
16:45 to 17:00	0	2	2	34	12%	0	2	2	0	0	0	0	2	2	1	1	2	74	69%
17:00 to 17:15	0	0	0	34	12%	0	0	0	0	0	0	0	0	0	0	0	0	74	69%
17:15 to 17:30	0	0	0	34	12%	0	0	0	0	0	0	0	0	0	0	0	0	74	69%
17:30 to 17:45	0	0	0	34	12%	0	0	0	0	0	0	0	0	0	0	0	0	74	69%
17:45 to 18:00	0	0	0	34	12%	0	0	0	0	0	0	0	0	0	0	0	0	74	69%
18:00 to 18:15	0	0	0	34	12%	0	0	0	0	0	0	0	0	0	0	0	0	74	69%
18:15 to 18:30	0	0	0	34	12%	0	0	0	0	0	0	0	0	0	0	0	0	74	69%
18:30 to 18:45	0	0	0	34	12%	0	0	0	0	0	0	0	0	0	0	0	0	74	69%
18:45 to 19:00	0	0	0	34	12%	0	0	0	0	0	0	0	0	0	0	0	0	74	69%

Table 3.48: MA08 Survey Results (Sunday hourly data)

Time Period	Vehicle-based Trips						Person-based Trips										Vessel Movements				
	In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied		
						In	Out	Total	In	Out	Total	In	Out	Total							
8:00 to 9:00	2	1	3	42	15%	3	1	4	2	3	5	5	4	9	1	6	7	79	73%		
8:15 to 9:15	3	2	5	42	15%	4	3	7	3	3	6	7	6	13	1	5	6	78	72%		
8:30 to 9:30	3	4	7	42	15%	4	5	9	5	3	8	9	8	17	1	5	6	78	72%		
8:45 to 9:45	4	4	8	42	15%	5	5	10	9	8	17	14	13	27	0	6	6	77	71%		
9:00 to 10:00	2	4	6	42	15%	2	5	7	9	8	17	11	13	24	0	5	5	75	69%		
9:15 to 10:15	1	3	4	40	14%	5	5	10	7	6	13	12	11	23	0	3	3	73	68%		
9:30 to 10:30	2	1	3	41	14%	7	3	10	8	6	14	15	9	24	0	1	1	72	67%		
9:45 to 10:45	2	2	4	41	14%	7	8	15	6	1	7	13	9	22	1	2	3	72	67%		
10:00 to 11:00	3	3	6	41	14%	8	9	17	5	0	5	13	9	22	1	3	4	72	67%		
10:15 to 11:15	4	3	7	41	14%	6	7	13	7	2	9	13	9	22	2	5	7	72	67%		
10:30 to 11:30	5	5	10	41	14%	6	10	16	4	2	6	10	12	22	2	8	10	71	66%		
10:45 to 11:45	5	4	9	41	14%	7	5	12	2	2	4	9	7	16	3	8	11	70	65%		
11:00 to 12:00	9	4	13	45	16%	13	5	18	4	3	7	17	8	25	5	8	13	69	64%		
11:15 to 12:15	9	5	14	45	16%	13	7	20	8	6	14	21	13	34	4	7	11	67	62%		
11:30 to 12:30	9	6	15	45	16%	15	8	23	8	6	14	23	14	37	4	5	9	67	62%		
11:45 to 12:45	8	5	13	45	16%	13	7	20	8	6	14	21	13	34	3	3	6	67	62%		
12:00 to 13:00	3	5	8	45	16%	6	7	13	6	5	11	12	12	24	1	2	3	66	61%		
12:15 to 13:15	4	5	9	44	15%	7	6	13	1	0	1	8	6	14	1	1	2	66	61%		
12:30 to 13:30	2	2	4	44	15%	3	2	5	1	0	1	4	2	6	1	1	2	66	61%		
12:45 to 13:45	2	2	4	44	15%	3	3	6	4	2	6	7	5	12	0	1	1	66	61%		
13:00 to 14:00	2	2	4	44	15%	3	4	7	4	2	6	7	6	13	0	1	1	66	61%		
13:15 to 14:15	0	2	2	44	15%	0	4	4	5	2	7	5	6	11	0	1	1	65	60%		
13:30 to 14:30	0	2	2	44	15%	0	5	5	7	5	12	7	10	17	1	0	1	66	61%		
13:45 to 14:45	0	3	3	43	15%	0	6	6	4	3	7	4	9	13	2	0	2	67	62%		
14:00 to 15:00	0	3	3	42	15%	0	6	6	4	3	7	4	9	13	7	0	7	72	67%		
14:15 to 15:15	1	3	4	42	15%	1	6	7	2	3	5	3	9	12	9	1	10	73	68%		
14:30 to 15:30	2	4	6	41	14%	4	8	12	0	0	0	4	8	12	9	1	10	74	69%		
14:45 to 15:45	2	3	5	40	14%	4	6	10	0	0	0	4	6	10	8	2	10	74	69%		
15:00 to 16:00	2	5	7	40	14%	4	4	8	0	0	0	4	4	8	4	2	6	74	69%		
15:15 to 16:15	1	4	5	40	14%	3	3	6	0	1	1	3	4	7	2	2	4	74	69%		
15:30 to 16:30	0	4	4	40	14%	0	1	1	0	1	1	0	2	2	2	2	4	74	69%		
15:45 to 16:45	0	4	4	37	13%	0	1	1	0	1	1	0	2	2	2	1	3	74	69%		
16:00 to 17:00	0	3	3	37	13%	0	3	3	0	1	1	0	4	4	2	2	4	74	69%		
16:15 to 17:15	0	3	3	36	13%	0	3	3	0	0	0	0	3	3	2	1	3	74	69%		
16:30 to 17:30	0	2	2	36	13%	0	2	2	0	0	0	0	2	2	1	1	2	74	69%		
16:45 to 17:45	0	2	2	34	12%	0	2	2	0	0	0	0	2	2	1	1	2	74	69%		
17:00 to 18:00	0	0	0	34	12%	0	0	0	0	0	0	0	0	0	0	0	0	74	69%		
17:15 to 18:15	0	0	0	34	12%	0	0	0	0	0	0	0	0	0	0	0	0	74	69%		
17:30 to 18:30	0	0	0	34	12%	0	0	0	0	0	0	0	0	0	0	0	0	74	69%		
17:45 to 18:45	0	0	0	34	12%	0	0	0	0	0	0	0	0	0	0	0	0	74	69%		
18:00 to 19:00	0	0	0	34	12%	0	0	0	0	0	0	0	0	0	0	0	0	74	69%		

 Network AM peak hour
 Site peak hour

Figure 3.64: MA08 Survey Results (Sunday) – Vehicle Trips

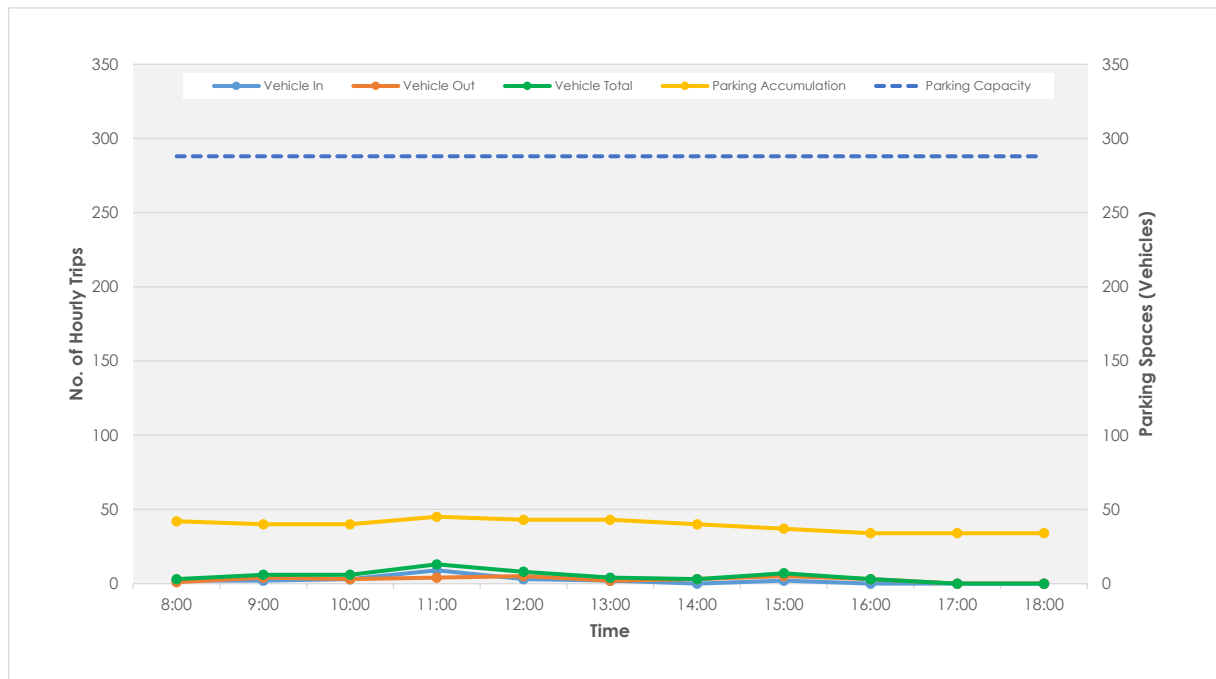


Figure 3.65: MA08 Survey Results (Sunday) – Person Trips

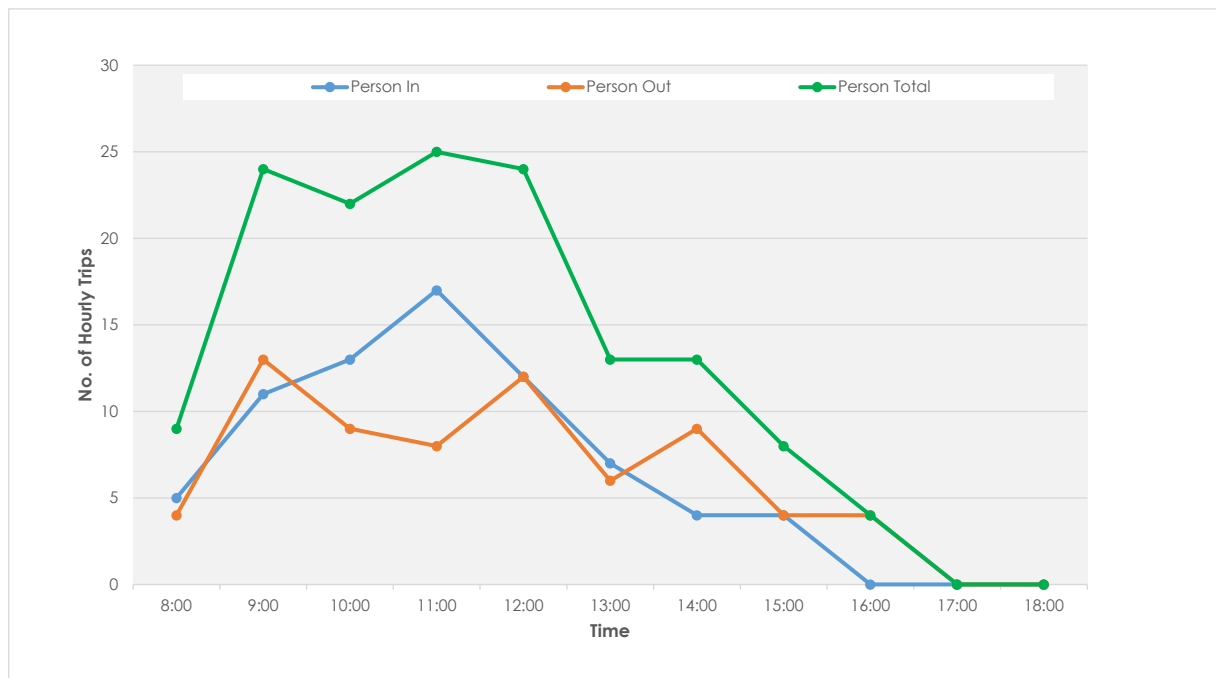
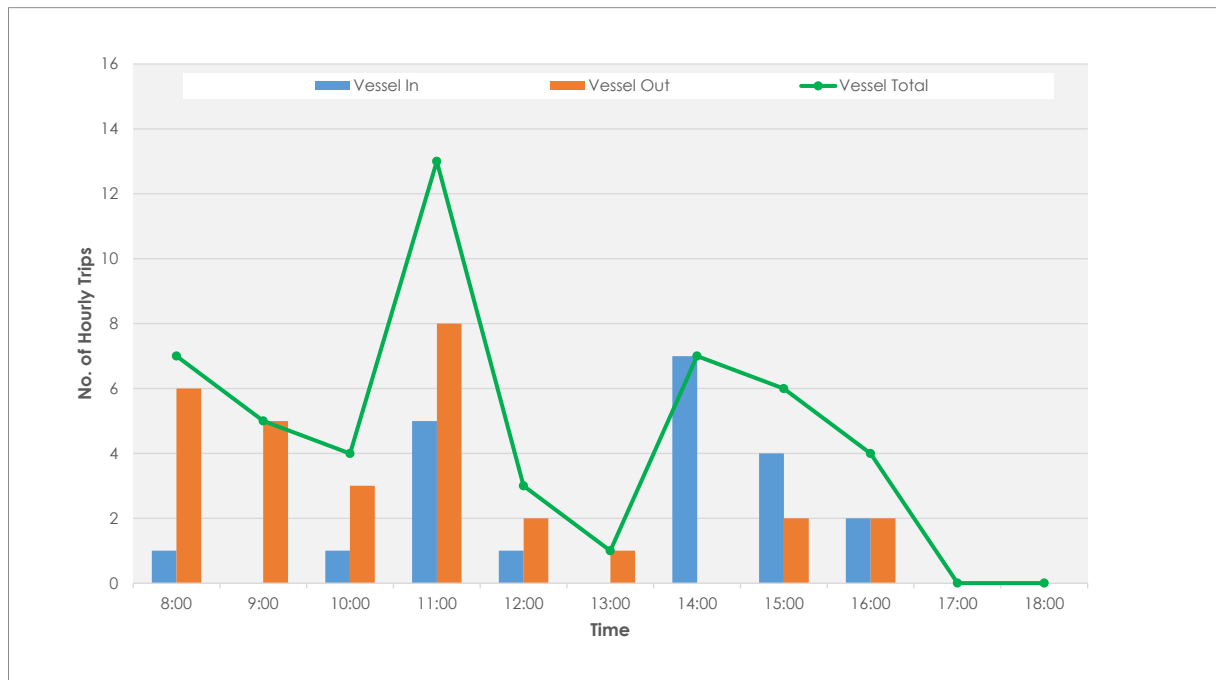


Figure 3.66: MA08 Survey Results (Sunday) – Vessel Movements



3.1.9 MA09 - Coffs Harbour Marina

Table 3.49: MA09 Survey Results (Friday 15-minute data)

Time Period	Vehicle-based Trips						Person-based Trips												Vessel Movements				
	In	Out	Total	Max Accumulation	% Occupied		Car Occupants			Others			Total										
							In	Out	Total	In	Out	Total	In	Out	Total	In	Out	Total	Max Accumulation	% Occupied			
8:00 to 8:15	0	0	0	64	23%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	117	66%
8:15 to 8:30	0	0	0	64	23%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	117	66%
8:30 to 8:45	0	0	0	64	23%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	117	66%
8:45 to 9:00	0	0	0	64	23%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	117	66%
9:00 to 9:15	6	4	10	66	24%		9	6	15	0	0	0	9	6	15	0	0	0	0	0	0	117	66%
9:15 to 9:30	5	7	12	64	23%		6	10	16	0	0	0	6	10	16	0	0	0	0	0	0	117	66%
9:30 to 9:45	7	7	14	64	23%		13	9	22	0	0	0	13	9	22	0	0	0	0	0	0	117	66%
9:45 to 10:00	7	8	15	63	23%		10	11	21	1	0	1	11	11	22	0	0	0	0	0	0	117	66%
10:00 to 10:15	9	6	15	66	24%		16	8	24	0	0	0	16	8	24	0	0	0	0	0	0	117	66%
10:15 to 10:30	4	5	9	65	24%		7	8	15	0	1	1	7	9	16	1	1	2	1	1	2	117	66%
10:30 to 10:45	6	4	10	67	24%		9	6	15	0	0	0	9	6	15	0	0	0	0	0	0	117	66%
10:45 to 11:00	6	5	11	68	25%		8	6	14	0	0	0	8	6	14	0	0	0	0	0	0	117	66%
11:00 to 11:15	8	5	13	71	26%		11	8	19	0	0	0	11	8	19	0	0	0	0	0	0	117	66%
11:15 to 11:30	8	9	17	70	26%		14	13	27	2	0	2	16	13	29	0	0	0	0	0	0	117	66%
11:30 to 11:45	9	8	17	71	26%		12	12	24	0	0	0	12	12	24	0	0	0	0	0	0	117	66%
11:45 to 12:00	5	11	16	65	24%		6	14	20	1	0	1	7	14	21	0	0	0	0	0	0	117	66%
12:00 to 12:15	2	8	10	59	22%		3	9	12	0	1	1	3	10	13	0	0	0	0	0	0	117	66%
12:15 to 12:30	2	5	7	56	20%		2	8	10	0	1	1	2	9	11	0	0	0	0	0	0	117	66%
12:30 to 12:45	5	5	10	56	20%		8	7	15	0	1	1	8	8	16	0	0	0	0	0	0	117	66%
12:45 to 13:00	3	3	6	56	20%		4	5	9	0	0	0	4	5	9	0	0	0	0	0	0	117	66%
13:00 to 13:15	4	4	8	56	20%		6	7	13	0	0	0	6	7	13	1	0	1	0	1	1	118	67%
13:15 to 13:30	9	4	13	61	22%		15	6	21	2	0	2	17	6	23	0	0	0	0	0	0	118	67%
13:30 to 13:45	7	2	9	66	24%		9	4	13	0	0	0	9	4	13	0	0	0	0	0	0	118	67%
13:45 to 14:00	7	3	10	70	26%		8	4	12	1	0	1	9	4	13	0	0	0	0	0	0	118	67%
14:00 to 14:15	6	5	11	71	26%		8	9	17	0	1	1	8	10	18	0	0	0	0	0	0	118	67%
14:15 to 14:30	3	4	7	70	26%		4	7	11	0	1	1	4	8	12	1	0	1	0	1	1	119	67%
14:30 to 14:45	8	6	14	72	26%		10	8	18	0	0	0	10	8	18	0	0	0	0	0	0	119	67%
14:45 to 15:00	5	9	14	68	25%		6	15	21	1	1	2	7	16	23	0	0	0	0	0	0	119	67%
15:00 to 15:15	4	7	11	65	24%		5	8	13	0	0	0	5	8	13	1	0	1	0	1	1	120	68%
15:15 to 15:30	3	8	11	60	22%		5	10	15	0	0	0	5	10	15	0	0	0	0	0	0	120	68%
15:30 to 15:45	6	7	13	59	22%		10	14	24	1	1	2	11	15	26	0	0	0	0	0	0	120	68%
15:45 to 16:00	6	5	11	60	22%		8	7	15	0	0	0	8	7	15	0	0	0	0	0	0	120	68%
16:00 to 16:15	8	3	11	65	24%		12	5	17	0	1	1	12	6	18	0	0	0	0	0	0	120	68%
16:15 to 16:30	5	9	14	61	22%		6	15	21	1	0	1	7	15	22	1	0	1	0	1	1	121	68%
16:30 to 16:45	4	8	12	57	21%		7	10	17	0	0	0	7	10	17	0	0	0	0	0	0	121	68%
16:45 to 17:00	7	9	16	55	20%		9	14	23	0	0	0	9	14	23	0	0	0	0	0	0	121	68%
17:00 to 17:15	5	3	8	57	21%		6	5	11	0	0	0	6	5	11	0	0	0	0	0	0	121	68%
17:15 to 17:30	3	3	6	57	21%		5	7	12	0	0	0	5	7	12	1	0	1	0	1	1	122	69%
17:30 to 17:45	0	0	0	57	21%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	122	69%
17:45 to 18:00	0	0	0	57	21%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	122	69%
18:00 to 18:15	0	0	0	57	21%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	122	69%
18:15 to 18:30	0	0	0	57	21%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	122	69%
18:30 to 18:45	0	0	0	57	21%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	122	69%
18:45 to 19:00	0	0	0	57	21%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	122	69%

Table 3.50: MA09 Survey Results (Friday hourly data)

Time Period	Vehicle-based Trips						Person-based Trips												Vessel Movements				
	In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied				
						In	Out	Total	In	Out	Total	In	Out	Total									
8:00 to 9:00	0	0	0	64	23%	0	0	0	0	0	0	0	0	0	0	0	0	117	66%				
8:15 to 9:15	6	4	10	66	24%	9	6	15	0	0	0	9	6	15	0	0	0	117	66%				
8:30 to 9:30	11	11	22	66	24%	15	16	31	0	0	0	15	16	31	0	0	0	117	66%				
8:45 to 9:45	18	18	36	66	24%	28	25	53	0	0	0	28	25	53	0	0	0	117	66%				
9:00 to 10:00	25	26	51	66	24%	38	36	74	1	0	1	39	36	75	0	0	0	117	66%				
9:15 to 10:15	28	28	56	66	24%	45	38	83	1	0	1	46	38	84	0	0	0	117	66%				
9:30 to 10:30	27	26	53	66	24%	46	36	82	1	1	2	47	37	84	1	1	2	117	66%				
9:45 to 10:45	26	23	49	67	24%	42	33	75	1	1	2	43	34	77	1	1	2	117	66%				
10:00 to 11:00	25	20	45	68	25%	40	28	68	0	1	1	40	29	69	1	1	2	117	66%				
10:15 to 11:15	24	19	43	71	26%	35	28	63	0	1	1	35	29	64	1	1	2	117	66%				
10:30 to 11:30	28	23	51	71	26%	42	33	75	2	0	2	44	33	77	0	0	0	117	66%				
10:45 to 11:45	31	27	58	71	26%	45	39	84	2	0	2	47	39	86	0	0	0	117	66%				
11:00 to 12:00	30	33	63	71	26%	43	47	90	3	0	3	46	47	93	0	0	0	117	66%				
11:15 to 12:15	24	36	60	71	26%	35	48	83	3	1	4	38	49	87	0	0	0	117	66%				
11:30 to 12:30	18	32	50	71	26%	23	43	66	1	2	3	24	45	69	0	0	0	117	66%				
11:45 to 12:45	14	29	43	65	24%	19	38	57	1	3	4	20	41	61	0	0	0	117	66%				
12:00 to 13:00	12	21	33	59	22%	17	29	46	0	3	3	17	32	49	0	0	0	117	66%				
12:15 to 13:15	14	17	31	56	20%	20	27	47	0	2	2	20	29	49	1	0	1	118	67%				
12:30 to 13:30	21	16	37	61	22%	33	25	58	2	1	3	35	26	61	1	0	1	118	67%				
12:45 to 13:45	23	13	36	66	24%	34	22	56	2	0	2	36	22	58	1	0	1	118	67%				
13:00 to 14:00	27	13	40	70	26%	38	21	59	3	0	3	41	21	62	1	0	1	118	67%				
13:15 to 14:15	29	14	43	71	26%	40	23	63	3	1	4	43	24	67	0	0	0	118	67%				
13:30 to 14:30	23	14	37	71	26%	29	24	53	1	2	3	30	26	56	1	0	1	119	67%				
13:45 to 14:45	24	18	42	72	26%	30	28	58	1	2	3	31	30	61	1	0	1	119	67%				
14:00 to 15:00	22	24	46	72	26%	28	39	67	1	3	4	29	42	71	1	0	1	119	67%				
14:15 to 15:15	20	26	46	72	26%	25	38	63	1	2	3	26	40	66	2	0	2	120	68%				
14:30 to 15:30	20	30	50	72	26%	26	41	67	1	1	2	27	42	69	1	0	1	120	68%				
14:45 to 15:45	18	31	49	68	25%	26	47	73	2	2	4	28	49	77	1	0	1	120	68%				
15:00 to 16:00	19	27	46	65	24%	28	39	67	1	1	2	29	40	69	1	0	1	120	68%				
15:15 to 16:15	23	23	46	65	24%	35	36	71	1	2	3	36	38	74	0	0	0	120	68%				
15:30 to 16:30	25	24	49	65	24%	36	41	77	2	2	4	38	43	81	1	0	1	121	68%				
15:45 to 16:45	23	25	48	65	24%	33	37	70	1	1	2	34	38	72	1	0	1	121	68%				
16:00 to 17:00	24	29	53	65	24%	34	44	78	1	1	2	35	45	80	1	0	1	121	68%				
16:15 to 17:15	21	29	50	61	22%	28	44	72	1	0	1	29	44	73	1	0	1	121	68%				
16:30 to 17:30	19	23	42	57	21%	27	36	63	0	0	0	27	36	63	1	0	1	122	69%				
16:45 to 17:45	15	15	30	57	21%	20	26	46	0	0	0	20	26	46	1	0	1	122	69%				
17:00 to 18:00	8	6	14	57	21%	11	12	23	0	0	0	11	12	23	1	0	1	122	69%				
17:15 to 18:15	3	3	6	57	21%	5	7	12	0	0	0	5	7	12	1	0	1	122	69%				
17:30 to 18:30	0	0	0	57	21%	0	0	0	0	0	0	0	0	0	0	0	0	122	69%				
17:45 to 18:45	0	0	0	57	21%	0	0	0	0	0	0	0	0	0	0	0	0	122	69%				
18:00 to 19:00	0	0	0	57	21%	0	0	0	0	0	0	0	0	0	0	0	0	122	69%				

 Network AM peak hour
 Network PM peak hour
 Site AM peak hour
 Site PM peak hour
 Site (daily) peak hour

Figure 3.67: MA09 Survey Results (Friday) – Vehicle Trips

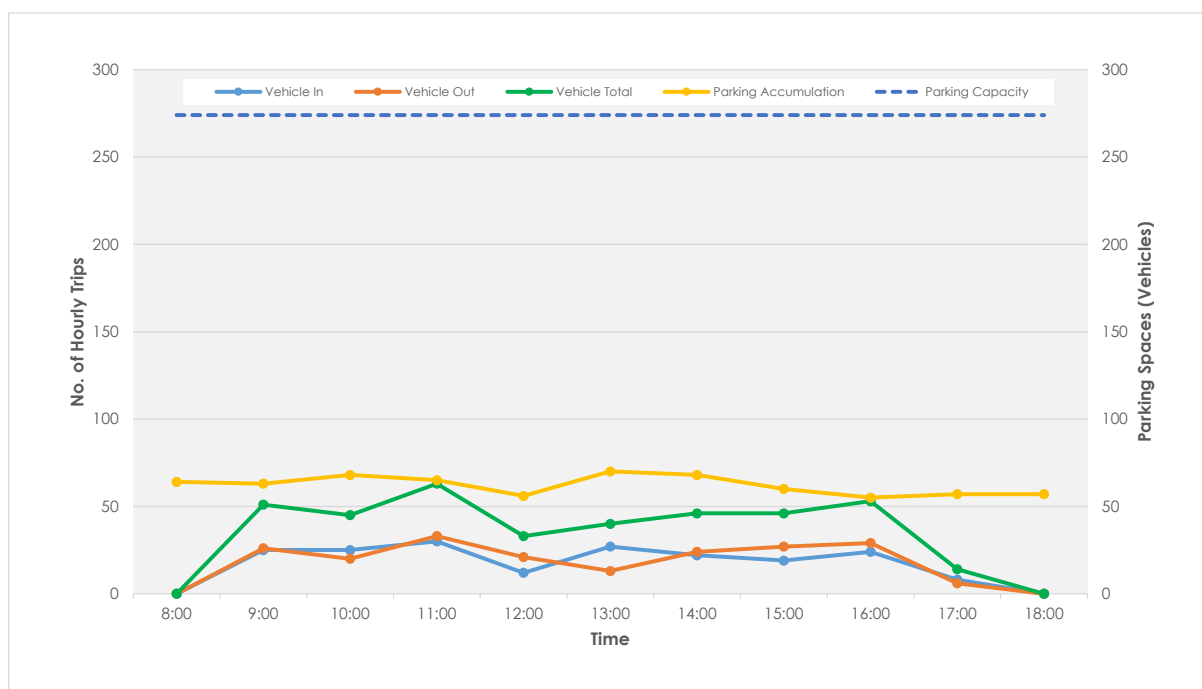


Figure 3.68: MA09 Survey Results (Friday) – Person Trips

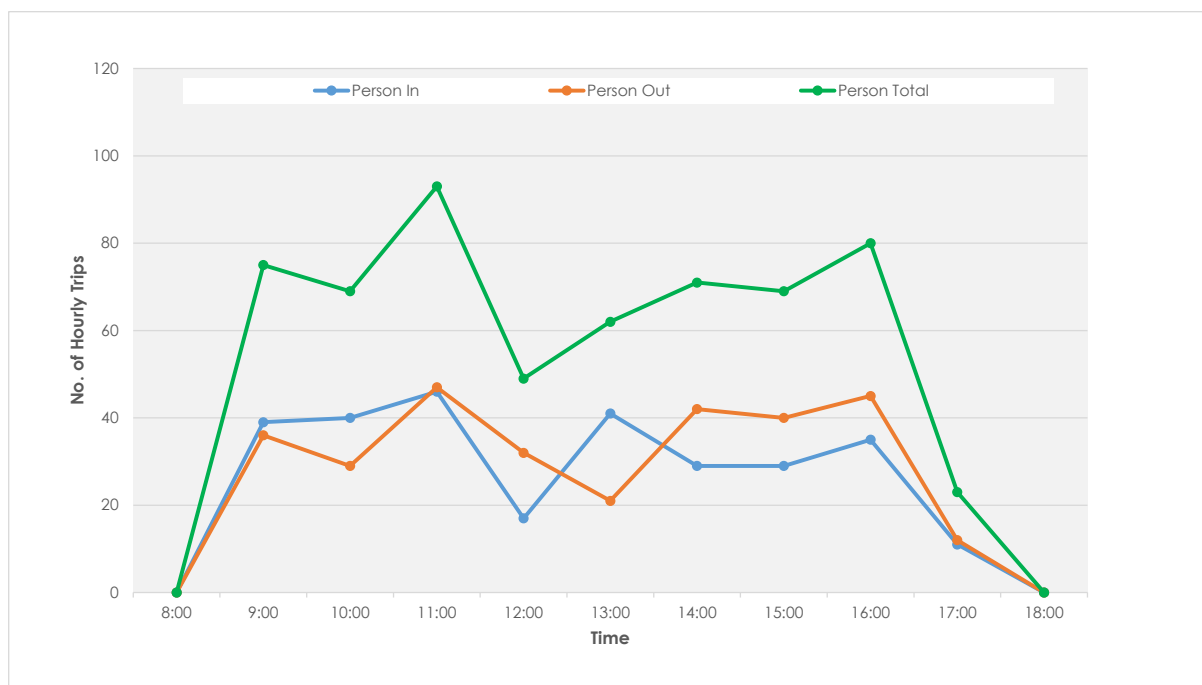


Figure 3.69: MA09 Survey Results (Friday) – Vessel Movements

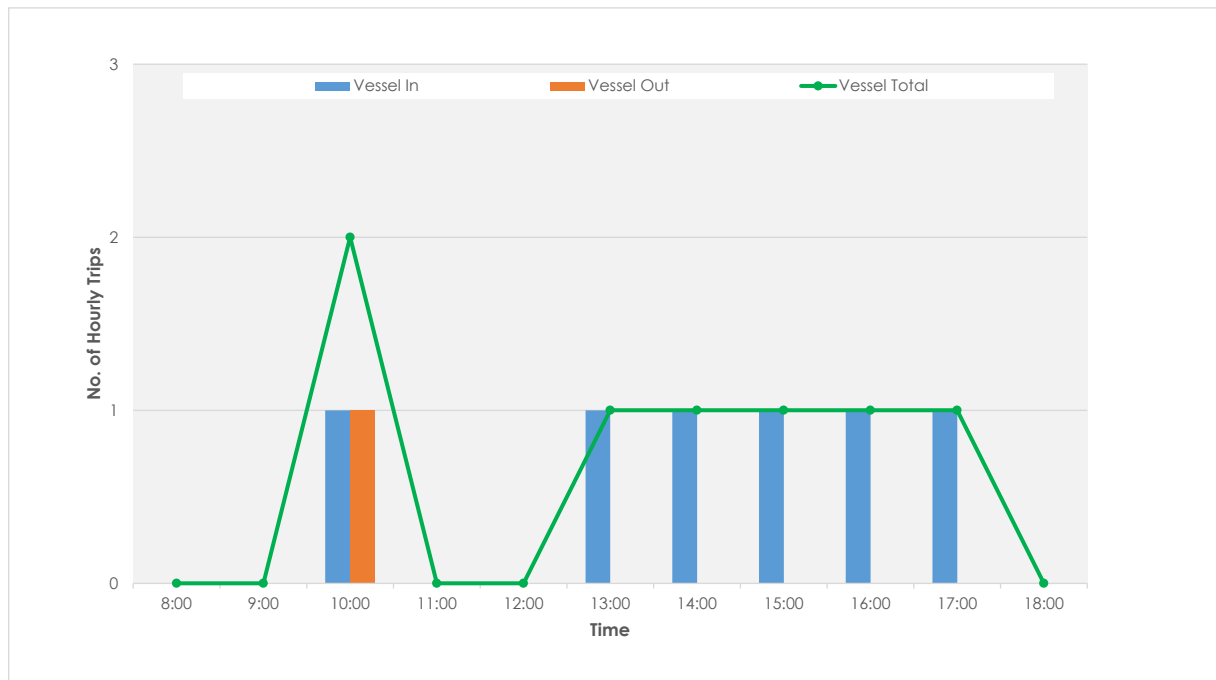


Table 3.51: MA09 Survey Results (Saturday 15-minute data)

Time Period	Vehicle-based Trips						Person-based Trips									Vessel Movements				
	In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied	
						In	Out	Total	In	Out	Total	In	Out	Total						
8:00 to 8:15	0	0	0	70	26%	0	0	0	0	0	0	0	0	0	0	0	0	125	71%	
8:15 to 8:30	0	0	0	70	26%	0	0	0	0	0	0	0	0	0	0	0	0	125	71%	
8:30 to 8:45	0	0	0	70	26%	0	0	0	0	0	0	0	0	0	0	0	0	125	71%	
8:45 to 9:00	0	0	0	70	26%	0	0	0	0	0	0	0	0	0	0	0	0	125	71%	
9:00 to 9:15	5	4	9	71	26%	8	7	15	0	0	0	8	7	15	0	0	0	125	71%	
9:15 to 9:30	7	3	10	75	27%	11	3	14	0	0	0	11	3	14	0	0	0	125	71%	
9:30 to 9:45	6	4	10	77	28%	9	5	14	0	0	0	9	5	14	1	0	1	126	71%	
9:45 to 10:00	5	7	12	75	27%	7	10	17	1	0	1	8	10	18	0	0	0	126	71%	
10:00 to 10:15	4	8	12	71	26%	5	12	17	0	0	0	5	12	17	0	0	0	126	71%	
10:15 to 10:30	4	7	11	68	25%	4	9	13	0	0	0	4	9	13	0	0	0	126	71%	
10:30 to 10:45	7	5	12	70	26%	9	6	15	0	1	1	9	7	16	1	0	1	127	72%	
10:45 to 11:00	9	8	17	71	26%	14	14	28	0	0	0	14	14	28	0	0	0	127	72%	
11:00 to 11:15	6	6	12	71	26%	10	9	19	1	0	1	11	9	20	0	0	0	127	72%	
11:15 to 11:30	5	5	10	71	26%	10	6	16	0	0	0	10	6	16	1	0	1	128	72%	
11:30 to 11:45	7	5	12	73	27%	23	7	30	0	0	0	23	7	30	0	0	0	128	72%	
11:45 to 12:00	7	7	14	73	27%	7	9	16	0	1	1	7	10	17	0	1	1	127	72%	
12:00 to 12:15	15	5	20	83	30%	22	7	29	0	0	0	22	7	29	0	0	0	127	72%	
12:15 to 12:30	7	8	15	82	30%	11	10	21	2	0	2	13	10	23	0	0	0	127	72%	
12:30 to 12:45	7	5	12	84	31%	7	9	16	0	0	0	7	9	16	1	0	1	128	72%	
12:45 to 13:00	15	9	24	90	33%	22	13	35	0	0	0	22	13	35	0	0	0	128	72%	
13:00 to 13:15	6	7	13	89	32%	9	11	20	0	1	1	9	12	21	0	0	0	128	72%	
13:15 to 13:30	7	7	14	89	32%	9	13	22	1	0	1	10	13	23	1	0	1	129	73%	
13:30 to 13:45	9	8	17	90	33%	17	13	30	0	0	0	17	13	30	0	0	0	129	73%	
13:45 to 14:00	7	6	13	91	33%	11	9	20	0	0	0	11	9	20	0	1	1	128	72%	
14:00 to 14:15	5	5	10	91	33%	8	9	17	0	1	1	8	10	18	0	0	0	128	72%	
14:15 to 14:30	5	7	12	89	32%	10	11	21	0	0	0	10	11	21	0	0	0	128	72%	
14:30 to 14:45	4	8	12	85	31%	6	13	19	1	0	1	7	13	20	0	0	0	128	72%	
14:45 to 15:00	5	7	12	83	30%	6	12	18	0	0	0	6	12	18	1	0	1	129	73%	
15:00 to 15:15	14	9	23	88	32%	25	15	40	0	0	0	25	15	40	1	0	1	130	73%	
15:15 to 15:30	6	5	11	89	32%	9	9	18	0	1	1	9	10	19	0	0	0	130	73%	
15:30 to 15:45	5	6	11	88	32%	7	10	17	1	0	1	8	10	18	1	0	1	131	74%	
15:45 to 16:00	8	3	11	93	34%	12	4	16	0	0	0	12	4	16	0	0	0	131	74%	
16:00 to 16:15	7	2	9	98	36%	10	3	13	0	0	0	10	3	13	0	0	0	131	74%	
16:15 to 16:30	7	5	12	100	36%	9	8	17	1	1	2	10	9	19	1	0	1	132	75%	
16:30 to 16:45	8	4	12	104	38%	12	6	18	0	0	0	12	6	18	0	0	0	132	75%	
16:45 to 17:00	4	2	6	106	39%	6	2	8	0	1	1	6	3	9	0	0	0	132	75%	
17:00 to 17:15	4	1	5	109	40%	5	1	6	0	0	0	5	1	6	0	0	0	132	75%	
17:15 to 17:30	3	1	4	111	41%	4	1	5	0	0	0	4	1	5	0	0	0	132	75%	
17:30 to 17:45	0	0	0	111	41%	0	0	0	0	0	0	0	0	0	0	0	0	132	75%	
17:45 to 18:00	0	0	0	111	41%	0	0	0	0	0	0	0	0	0	0	0	0	132	75%	
18:00 to 18:15	0	0	0	111	41%	0	0	0	0	0	0	0	0	0	0	0	0	132	75%	
18:15 to 18:30	0	0	0	111	41%	0	0	0	0	0	0	0	0	0	0	0	0	132	75%	
18:30 to 18:45	0	0	0	111	41%	0	0	0	0	0	0	0	0	0	0	0	0	132	75%	
18:45 to 19:00	0	0	0	111	41%	0	0	0	0	0	0	0	0	0	0	0	0	132	75%	

Table 3.52: MA09 Survey Results (Saturday hourly data)

Time Period	Vehicle-based Trips						Person-based Trips										Vessel Movements				
	In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied		
						In	Out	Total	In	Out	Total	In	Out	Total							
8:00 to 9:00	0	0	0	70	26%	0	0	0	0	0	0	0	0	0	0	0	0	125	71%		
8:15 to 9:15	5	4	9	71	26%	8	7	15	0	0	0	8	7	15	0	0	0	125	71%		
8:30 to 9:30	12	7	19	75	27%	19	10	29	0	0	0	19	10	29	0	0	0	125	71%		
8:45 to 9:45	18	11	29	77	28%	28	15	43	0	0	0	28	15	43	1	0	1	126	71%		
9:00 to 10:00	23	18	41	77	28%	35	25	60	1	0	1	36	25	61	1	0	1	126	71%		
9:15 to 10:15	22	22	44	77	28%	32	30	62	1	0	1	33	30	63	1	0	1	126	71%		
9:30 to 10:30	19	26	45	77	28%	25	36	61	1	0	1	26	36	62	1	0	1	126	71%		
9:45 to 10:45	20	27	47	75	27%	25	37	62	1	1	2	26	38	64	1	0	1	127	72%		
10:00 to 11:00	24	28	52	71	26%	32	41	73	0	1	1	32	42	74	1	0	1	127	72%		
10:15 to 11:15	26	26	52	71	26%	37	38	75	1	1	2	38	39	77	1	0	1	127	72%		
10:30 to 11:30	27	24	51	71	26%	43	35	78	1	1	2	44	36	80	2	0	2	128	72%		
10:45 to 11:45	27	24	51	73	27%	57	36	93	1	0	1	58	36	94	1	0	1	128	72%		
11:00 to 12:00	25	23	48	73	27%	50	31	81	1	1	2	51	32	83	1	1	2	128	72%		
11:15 to 12:15	34	22	56	83	30%	62	29	91	0	1	1	62	30	92	1	1	2	128	72%		
11:30 to 12:30	36	25	61	83	30%	63	33	96	2	1	3	65	34	99	0	1	1	128	72%		
11:45 to 12:45	36	25	61	84	31%	47	35	82	2	1	3	49	36	85	1	1	2	128	72%		
12:00 to 13:00	44	27	71	90	33%	62	39	101	2	0	2	64	39	103	1	0	1	128	72%		
12:15 to 13:15	35	29	64	90	33%	49	43	92	2	1	3	51	44	95	1	0	1	128	72%		
12:30 to 13:30	35	28	63	90	33%	47	46	93	1	1	2	48	47	95	2	0	2	129	73%		
12:45 to 13:45	37	31	68	90	33%	57	50	107	1	1	2	58	51	109	1	0	1	129	73%		
13:00 to 14:00	29	28	57	91	33%	46	46	92	1	1	2	47	47	94	1	1	2	129	73%		
13:15 to 14:15	28	26	54	91	33%	45	44	89	1	1	2	46	45	91	1	1	2	129	73%		
13:30 to 14:30	26	26	52	91	33%	46	42	88	0	1	1	46	43	89	0	1	1	129	73%		
13:45 to 14:45	21	26	47	91	33%	35	42	77	1	1	2	36	43	79	0	1	1	128	72%		
14:00 to 15:00	19	27	46	91	33%	30	45	75	1	1	2	31	46	77	1	0	1	129	73%		
14:15 to 15:15	28	31	59	89	32%	47	51	98	1	0	1	48	51	99	2	0	2	130	73%		
14:30 to 15:30	29	29	58	89	32%	46	49	95	1	1	2	47	50	97	2	0	2	130	73%		
14:45 to 15:45	30	27	57	89	32%	47	46	93	1	1	2	48	47	95	3	0	3	131	74%		
15:00 to 16:00	33	23	56	93	34%	53	38	91	1	1	2	54	39	93	2	0	2	131	74%		
15:15 to 16:15	26	16	42	98	36%	38	26	64	1	1	2	39	27	66	1	0	1	131	74%		
15:30 to 16:30	27	16	43	100	36%	38	25	63	2	1	3	40	26	66	2	0	2	132	75%		
15:45 to 16:45	30	14	44	104	38%	43	21	64	1	1	2	44	22	66	1	0	1	132	75%		
16:00 to 17:00	26	13	39	106	39%	37	19	56	1	2	3	38	21	59	1	0	1	132	75%		
16:15 to 17:15	23	12	35	109	40%	32	17	49	1	2	3	33	19	52	1	0	1	132	75%		
16:30 to 17:30	19	8	27	111	41%	27	10	37	0	1	1	27	11	38	0	0	0	132	75%		
16:45 to 17:45	11	4	15	111	41%	15	4	19	0	1	1	15	5	20	0	0	0	132	75%		
17:00 to 18:00	7	2	9	111	41%	9	2	11	0	0	0	9	2	11	0	0	0	132	75%		
17:15 to 18:15	3	1	4	111	41%	4	1	5	0	0	0	4	1	5	0	0	0	132	75%		
17:30 to 18:30	0	0	0	111	41%	0	0	0	0	0	0	0	0	0	0	0	0	132	75%		
17:45 to 18:45	0	0	0	111	41%	0	0	0	0	0	0	0	0	0	0	0	0	132	75%		
18:00 to 19:00	0	0	0	111	41%	0	0	0	0	0	0	0	0	0	0	0	0	132	75%		

 Network AM peak hour
 Site peak hour

Figure 3.70: MA09 Survey Results (Saturday) – Vehicle Trips

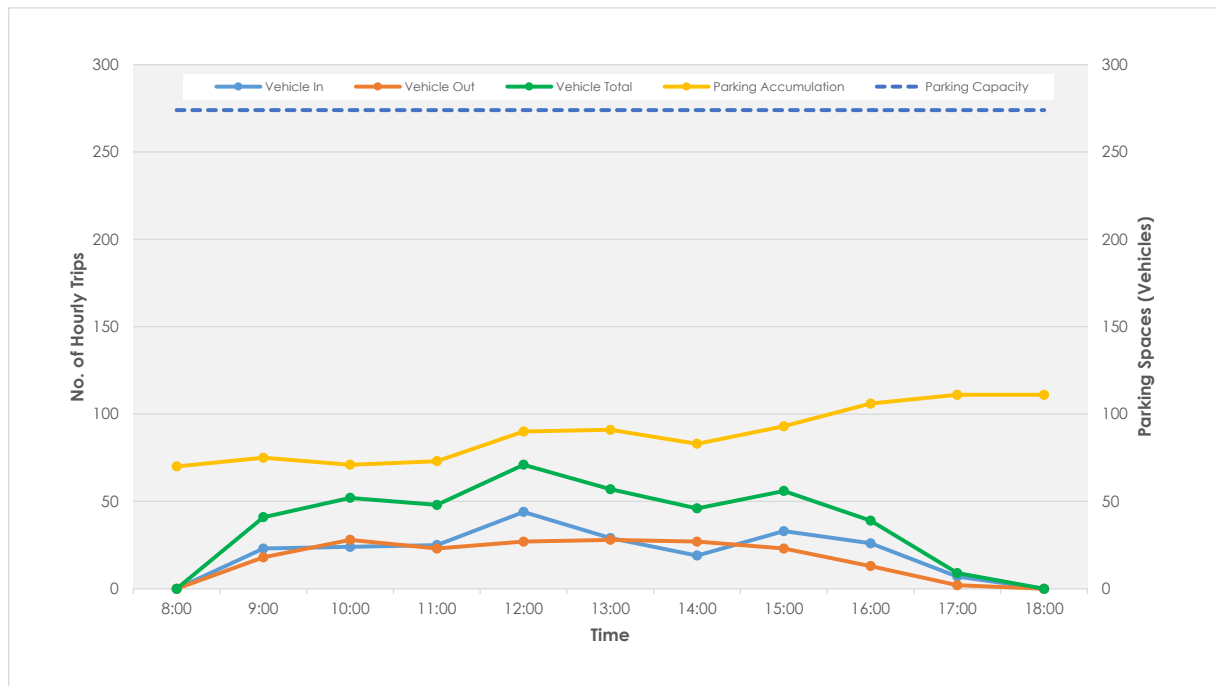


Figure 3.71: MA09 Survey Results (Saturday) – Person Trips

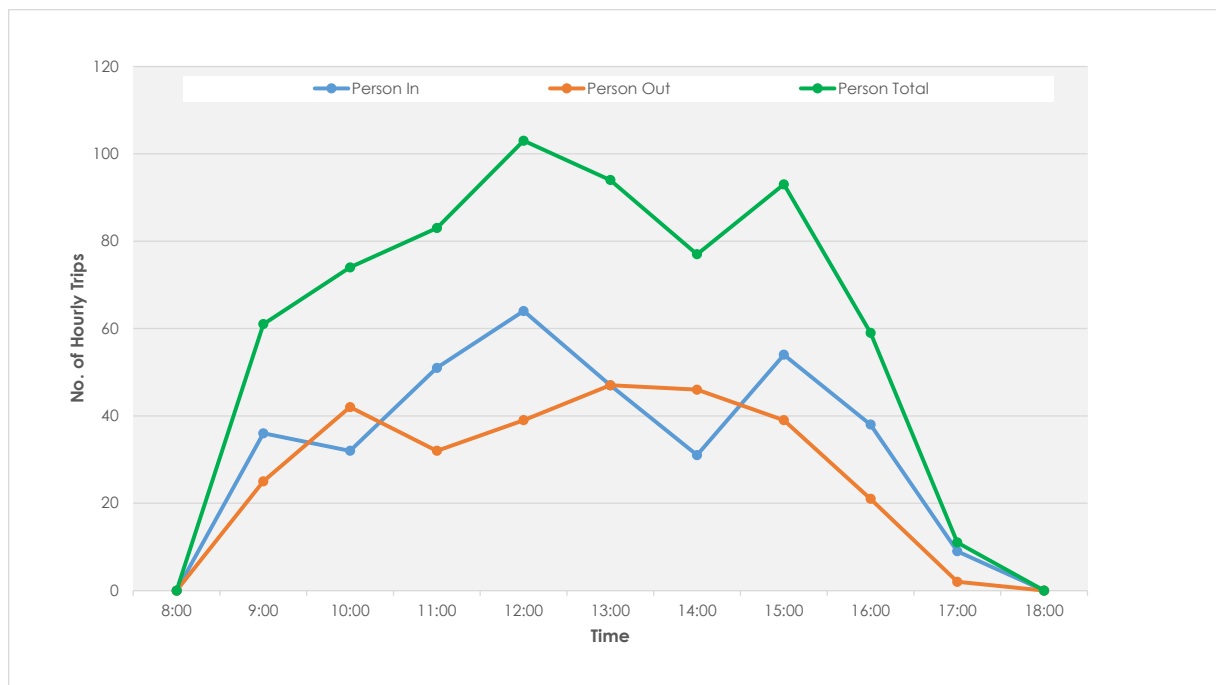


Figure 3.72: MA09 Survey Results (Saturday) – Vessel Movements

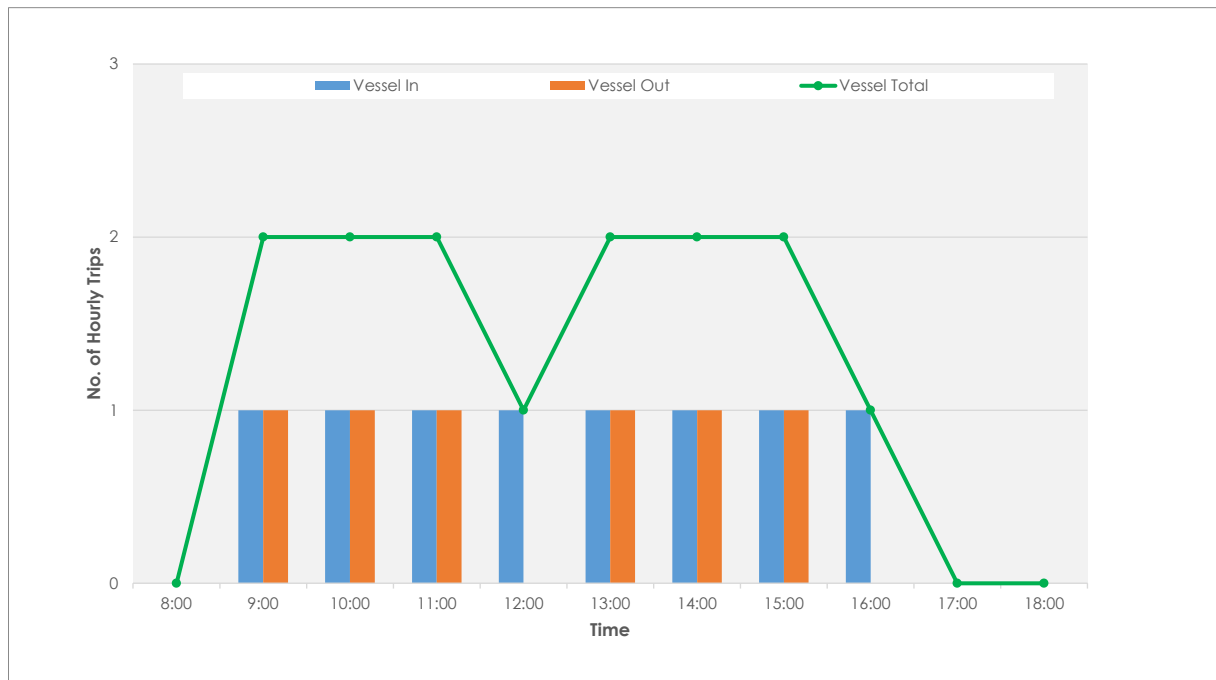


Table 3.53: MA09 Survey Results (Sunday 15-minute data)

Time Period	Vehicle-based Trips					Person-based Trips									Vessel Movements				
	In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied
8:00 to 8:15	0	0	0	237	86%	0	0	0	0	0	0	0	0	0	0	0	0	127	72%
8:15 to 8:30	0	0	0	237	86%	0	0	0	0	0	0	0	0	0	0	0	0	127	72%
8:30 to 8:45	0	0	0	237	86%	0	0	0	0	0	0	0	0	0	0	0	0	127	72%
8:45 to 9:00	0	0	0	237	86%	0	0	0	0	0	0	0	0	0	0	0	0	127	72%
9:00 to 9:15	18	12	30	243	89%	26	20	46	0	0	0	26	20	46	0	0	0	127	72%
9:15 to 9:30	15	18	33	240	88%	21	24	45	1	0	1	22	24	46	0	0	0	127	72%
9:30 to 9:45	14	20	34	234	85%	23	27	50	0	0	0	23	27	50	1	1	2	127	72%
9:45 to 10:00	10	17	27	227	83%	15	22	37	0	0	0	15	22	37	0	0	0	127	72%
10:00 to 10:15	7	15	22	219	80%	10	20	30	2	1	3	12	21	33	0	1	1	126	71%
10:15 to 10:30	12	15	27	216	79%	22	19	41	0	0	0	22	19	41	0	0	0	126	71%
10:30 to 10:45	16	19	35	213	78%	38	32	70	1	0	1	39	32	71	1	0	1	127	72%
10:45 to 11:00	15	22	37	206	75%	30	35	65	0	2	2	30	37	67	0	0	0	127	72%
11:00 to 11:15	14	18	32	202	74%	20	22	42	2	0	2	22	22	44	0	0	0	127	72%
11:15 to 11:30	19	17	36	204	74%	24	19	43	0	1	1	24	20	44	0	0	0	127	72%
11:30 to 11:45	18	23	41	199	73%	30	38	68	0	0	0	30	38	68	1	1	2	127	72%
11:45 to 12:00	21	20	41	200	73%	29	31	60	0	2	2	29	33	62	0	0	0	127	72%
12:00 to 12:15	17	19	36	198	72%	21	24	45	0	0	0	21	24	45	1	0	1	128	72%
12:15 to 12:30	20	21	41	197	72%	28	26	54	0	0	0	28	26	54	0	0	0	128	72%
12:30 to 12:45	19	18	37	198	72%	26	24	50	4	0	4	30	24	54	0	0	0	128	72%
12:45 to 13:00	18	15	33	201	73%	25	21	46	0	0	0	25	21	46	0	0	0	128	72%
13:00 to 13:15	18	19	37	200	73%	26	26	52	1	0	1	27	26	53	1	0	1	129	73%
13:15 to 13:30	22	17	39	205	75%	30	24	54	0	0	0	30	24	54	0	0	0	129	73%
13:30 to 13:45	21	14	35	212	77%	29	20	49	0	2	2	29	22	51	0	1	1	128	72%
13:45 to 14:00	17	21	38	208	76%	26	26	52	1	0	1	27	26	53	0	0	0	128	72%
14:00 to 14:15	19	19	38	208	76%	29	28	57	0	1	1	29	29	58	1	0	1	129	73%
14:15 to 14:30	14	18	32	204	74%	20	25	45	1	0	1	21	25	46	0	1	1	128	72%
14:30 to 14:45	18	20	38	202	74%	21	30	51	0	1	1	21	31	52	0	0	0	128	72%
14:45 to 15:00	22	17	39	207	76%	26	22	48	0	0	0	26	22	48	0	0	0	128	72%
15:00 to 15:15	21	15	36	213	78%	24	17	41	1	0	1	25	17	42	0	1	1	127	72%
15:15 to 15:30	23	18	41	218	80%	27	25	52	0	0	0	27	25	52	1	0	1	128	72%
15:30 to 15:45	17	18	35	217	79%	22	24	46	2	1	3	24	25	49	0	0	0	128	72%
15:45 to 16:00	14	16	30	215	78%	20	25	45	0	0	0	20	25	45	0	0	0	128	72%
16:00 to 16:15	19	12	31	222	81%	23	16	39	0	1	1	23	17	40	0	0	0	128	72%
16:15 to 16:30	17	11	28	228	83%	19	14	33	0	2	2	19	16	35	1	0	1	129	73%
16:30 to 16:45	20	15	35	233	85%	26	20	46	0	0	0	26	20	46	0	0	0	129	73%
16:45 to 17:00	15	20	35	228	83%	19	29	48	2	2	4	21	31	52	0	0	0	129	73%
17:00 to 17:15	12	3	15	237	86%	14	9	23	0	0	0	14	9	23	0	0	0	129	73%
17:15 to 17:30	13	2	15	248	91%	19	3	22	0	0	0	19	3	22	0	0	0	129	73%
17:30 to 17:45	0	0	0	248	91%	0	0	0	0	0	0	0	0	0	0	0	0	129	73%
17:45 to 18:00	0	0	0	248	91%	0	0	0	0	0	0	0	0	0	0	0	0	129	73%
18:00 to 18:15	0	0	0	248	91%	0	0	0	0	0	0	0	0	0	0	0	0	129	73%
18:15 to 18:30	0	0	0	248	91%	0	0	0	0	0	0	0	0	0	0	0	0	129	73%
18:30 to 18:45	0	0	0	248	91%	0	0	0	0	0	0	0	0	0	0	0	0	129	73%
18:45 to 19:00	0	0	0	248	91%	0	0	0	0	0	0	0	0	0	0	0	0	129	73%

Table 3.54: MA09 Survey Results (Sunday hourly data)

Time Period			Vehicle-based Trips					Person-based Trips									Vessel Movements				
			In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied
								In	Out	Total	In	Out	Total	In	Out	Total					
8:00 to 9:00	0	0	0	237	86%	0	0	0	0	0	0	0	0	0	0	0	0	0	127	72%	
8:15 to 9:15	18	12	30	243	89%	26	20	46	0	0	0	26	20	46	0	0	0	0	127	72%	
8:30 to 9:30	33	30	63	243	89%	47	44	91	1	0	1	48	44	92	0	0	0	0	127	72%	
8:45 to 9:45	47	50	97	243	89%	70	71	141	1	0	1	71	71	142	1	1	2	127	72%		
9:00 to 10:00	57	67	124	243	89%	85	93	178	1	0	1	86	93	179	1	1	2	127	72%		
9:15 to 10:15	46	70	116	240	88%	69	93	162	3	1	4	72	94	166	1	2	3	127	72%		
9:30 to 10:30	43	67	110	234	85%	70	88	158	2	1	3	72	89	161	1	2	3	127	72%		
9:45 to 10:45	45	66	111	227	83%	85	93	178	3	1	4	88	94	182	1	1	2	127	72%		
10:00 to 11:00	50	71	121	219	80%	100	106	206	3	3	6	103	109	212	1	1	2	127	72%		
10:15 to 11:15	57	74	131	216	79%	110	108	218	3	2	5	113	110	223	1	0	1	127	72%		
10:30 to 11:30	64	76	140	213	78%	112	108	220	3	3	6	115	111	226	1	0	1	127	72%		
10:45 to 11:45	66	80	146	206	75%	104	114	218	2	3	5	106	117	223	1	1	2	127	72%		
11:00 to 12:00	72	78	150	204	74%	103	110	213	2	3	5	105	113	218	1	1	2	127	72%		
11:15 to 12:15	75	79	154	204	74%	104	112	216	0	3	3	104	115	219	2	1	3	128	72%		
11:30 to 12:30	76	83	159	200	73%	108	119	227	0	2	2	108	121	229	2	1	3	128	72%		
11:45 to 12:45	77	78	155	200	73%	104	105	209	4	2	6	108	107	215	1	0	1	128	72%		
12:00 to 13:00	74	73	147	201	73%	100	95	195	4	0	4	104	95	199	1	0	1	128	72%		
12:15 to 13:15	75	73	148	201	73%	105	97	202	5	0	5	110	97	207	1	0	1	129	73%		
12:30 to 13:30	77	69	146	205	75%	107	95	202	5	0	5	112	95	207	1	0	1	129	73%		
12:45 to 13:45	79	65	144	212	77%	110	91	201	1	2	3	111	93	204	1	1	2	129	73%		
13:00 to 14:00	78	71	149	212	77%	111	96	207	2	2	4	113	98	211	1	1	2	129	73%		
13:15 to 14:15	79	71	150	212	77%	114	98	212	1	3	4	115	101	216	1	1	2	129	73%		
13:30 to 14:30	71	72	143	212	77%	104	99	203	2	3	5	106	102	208	1	2	3	129	73%		
13:45 to 14:45	68	78	146	208	76%	96	109	205	2	2	4	98	111	209	1	1	2	129	73%		
14:00 to 15:00	73	74	147	208	76%	96	105	201	1	2	3	97	107	204	1	1	2	129	73%		
14:15 to 15:15	75	70	145	213	78%	91	94	185	2	1	3	93	95	188	0	2	2	128	72%		
14:30 to 15:30	84	70	154	218	80%	98	94	192	1	1	2	99	95	194	1	1	2	128	72%		
14:45 to 15:45	83	68	151	218	80%	99	88	187	3	1	4	102	89	191	1	1	2	128	72%		
15:00 to 16:00	75	67	142	218	80%	93	91	184	3	1	4	96	92	188	1	1	2	128	72%		
15:15 to 16:15	73	64	137	222	81%	92	90	182	2	2	4	94	92	186	1	0	1	128	72%		
15:30 to 16:30	67	57	124	228	83%	84	79	163	2	4	6	86	83	169	1	0	1	129	73%		
15:45 to 16:45	70	54	124	233	85%	88	75	163	0	3	3	88	78	166	1	0	1	129	73%		
16:00 to 17:00	71	58	129	233	85%	87	79	166	2	5	7	89	84	173	1	0	1	129	73%		
16:15 to 17:15	64	49	113	237	86%	78	72	150	2	4	6	80	76	156	1	0	1	129	73%		
16:30 to 17:30	60	40	100	248	91%	78	61	139	2	2	4	80	63	143	0	0	0	129	73%		
16:45 to 17:45	40	25	65	248	91%	52	41	93	2	2	4	54	43	97	0	0	0	129	73%		
17:00 to 18:00	25	5	30	248	91%	33	12	45	0	0	0	33	12	45	0	0	0	129	73%		
17:15 to 18:15	13	2	15	248	91%	19	3	22	0	0	0	19	3	22	0	0	0	129	73%		
17:30 to 18:30	0	0	0	248	91%	0	0	0	0	0	0	0	0	0	0	0	0	129	73%		
17:45 to 18:45	0	0	0	248	91%	0	0	0	0	0	0	0	0	0	0	0	0	129	73%		
18:00 to 19:00	0	0	0	248	91%	0	0	0	0	0	0	0	0	0	0	0	0	129	73%		

 Network AM peak hour
 Site peak hour

Figure 3.73: MA09 Survey Results (Sunday) – Vehicle Trips

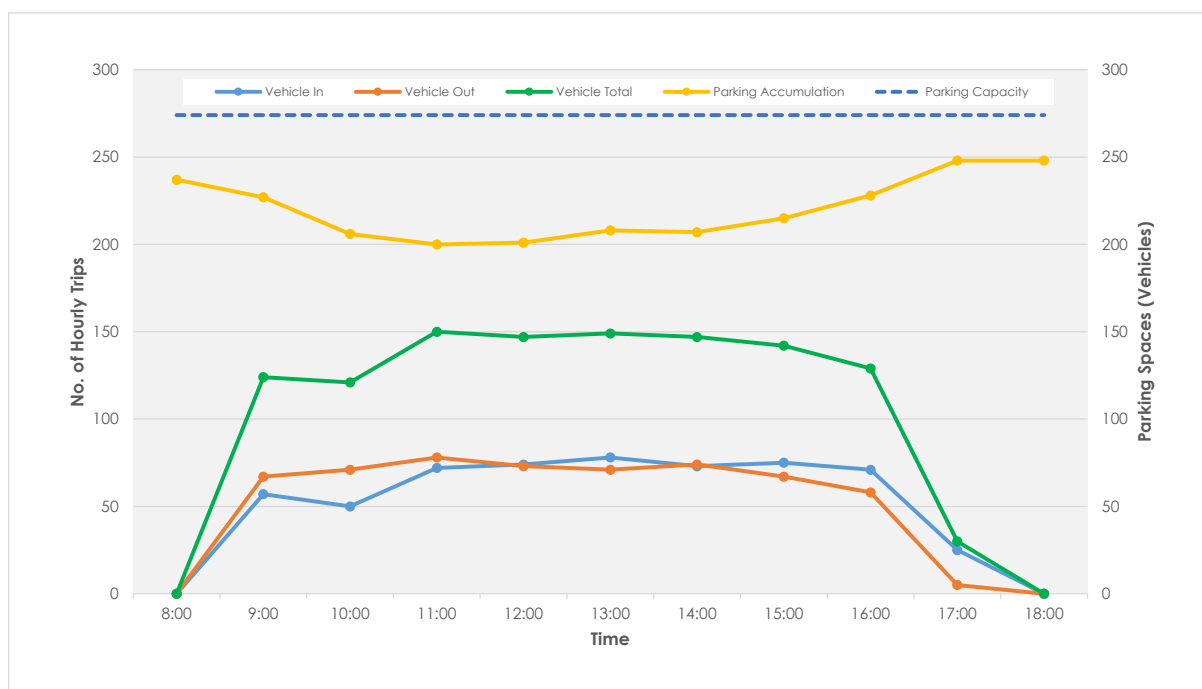


Figure 3.74: MA09 Survey Results (Sunday) – Person Trips

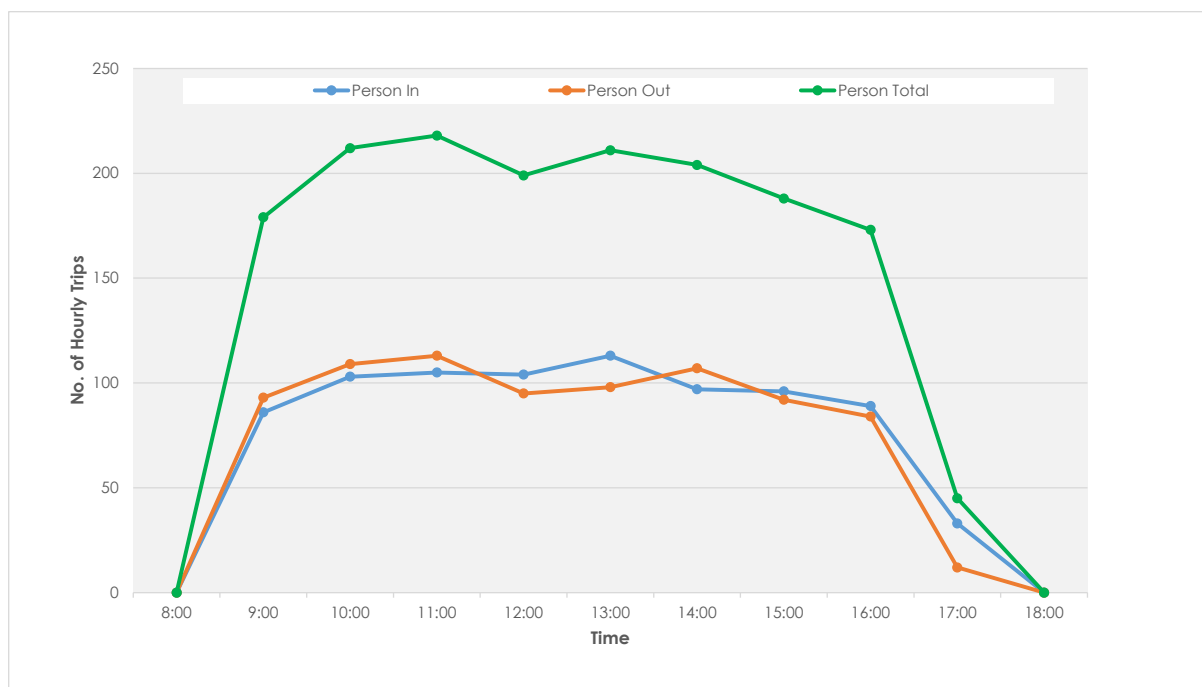
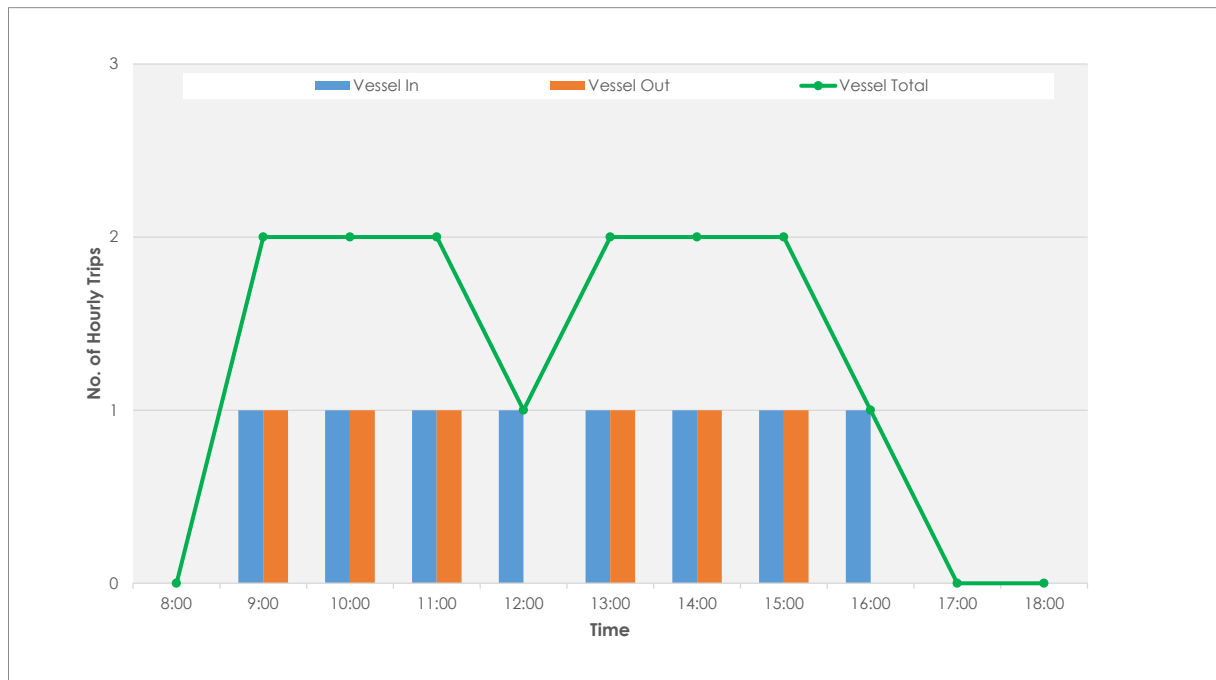


Figure 3.75: MA09 Survey Results (Sunday) – Vessel Movements



3.1.10 MA10 - Port Macquarie Marina

Table 3.55: MA10 Survey Results (Friday 15-minute data)

Time Period	Vehicle-based Trips						Person-based Trips												Vessel Movements				
	In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied				
						In	Out	Total	In	Out	Total	In	Out	Total									
8:00 to 8:15	4	0	4	19	22%	4	0	4	0	0	0	4	0	4	0	0	0	100	61%				
8:15 to 8:30	3	0	3	22	26%	3	0	3	2	1	3	5	1	6	0	0	0	100	61%				
8:30 to 8:45	4	2	6	24	28%	5	3	8	3	0	3	8	3	11	0	1	1	99	61%				
8:45 to 9:00	7	1	8	30	35%	12	1	13	2	2	4	14	3	17	0	0	0	99	61%				
9:00 to 9:15	3	0	3	33	38%	5	0	5	0	0	0	5	0	5	0	0	0	99	61%				
9:15 to 9:30	7	0	7	40	47%	10	0	10	3	2	5	13	2	15	0	0	0	99	61%				
9:30 to 9:45	2	0	2	42	49%	2	0	2	1	0	1	3	0	3	0	0	0	99	61%				
9:45 to 10:00	3	0	3	45	52%	4	0	4	0	3	3	4	3	7	0	0	0	99	61%				
10:00 to 10:15	4	4	8	45	52%	6	6	12	0	0	0	6	6	12	0	0	0	99	61%				
10:15 to 10:30	7	5	12	47	55%	8	9	17	2	2	4	10	11	21	0	0	0	99	61%				
10:30 to 10:45	6	4	10	49	57%	9	10	19	2	2	4	11	12	23	0	0	0	99	61%				
10:45 to 11:00	5	7	12	47	55%	9	12	21	0	0	0	9	12	21	0	0	0	99	61%				
11:00 to 11:15	3	6	9	44	51%	4	10	14	1	3	4	5	13	18	0	1	1	98	60%				
11:15 to 11:30	2	7	9	39	45%	2	10	12	4	0	4	6	10	16	0	1	1	97	60%				
11:30 to 11:45	6	4	10	41	48%	9	4	13	2	2	4	11	6	17	0	0	0	97	60%				
11:45 to 12:00	3	3	6	41	48%	7	6	13	0	0	0	7	6	13	0	0	0	97	60%				
12:00 to 12:15	4	3	7	42	49%	4	4	8	0	0	0	4	4	8	0	0	0	97	60%				
12:15 to 12:30	0	0	0	42	49%	0	0	0	0	0	0	0	0	0	0	0	0	97	60%				
12:30 to 12:45	3	4	7	41	48%	4	6	10	0	0	0	4	6	10	0	0	0	97	60%				
12:45 to 13:00	1	2	3	40	47%	1	4	5	1	0	1	2	4	6	0	3	3	94	58%				
13:00 to 13:15	0	0	0	40	47%	0	0	0	0	0	0	0	0	0	0	0	0	94	58%				
13:15 to 13:30	0	1	1	39	45%	0	1	1	0	1	1	0	2	2	0	0	0	94	58%				
13:30 to 13:45	2	0	2	41	48%	2	0	2	0	0	0	2	0	2	0	0	0	94	58%				
13:45 to 14:00	0	1	1	40	47%	0	4	4	0	0	0	0	4	4	0	0	0	94	58%				
14:00 to 14:15	0	0	0	40	47%	0	0	0	0	0	0	0	0	0	0	0	0	94	58%				
14:15 to 14:30	1	0	1	41	48%	1	0	1	0	0	0	1	0	1	1	0	1	95	58%				
14:30 to 14:45	2	0	2	43	50%	4	0	4	0	0	0	4	0	4	2	0	2	97	60%				
14:45 to 15:00	3	3	6	43	50%	3	5	8	0	0	0	3	5	8	0	0	0	97	60%				
15:00 to 15:15	0	0	0	43	50%	0	0	0	0	0	0	0	0	0	0	0	0	97	60%				
15:15 to 15:30	0	1	1	42	49%	0	1	1	0	0	0	0	1	1	0	0	0	97	60%				
15:30 to 15:45	0	0	0	42	49%	0	0	0	0	0	0	0	0	0	1	0	1	98	60%				
15:45 to 16:00	2	0	2	44	51%	6	0	6	1	0	1	7	0	7	1	0	1	99	61%				
16:00 to 16:15	3	2	5	45	52%	3	2	5	0	3	3	3	5	8	0	0	0	99	61%				
16:15 to 16:30	2	0	2	47	55%	3	0	3	2	1	3	5	1	6	2	0	2	101	62%				
16:30 to 16:45	2	4	6	45	52%	2	4	6	0	0	0	2	4	6	0	0	0	101	62%				
16:45 to 17:00	1	3	4	43	50%	1	3	4	0	0	0	1	3	4	0	0	0	101	62%				
17:00 to 17:15	1	2	3	42	49%	1	2	3	0	0	0	1	2	3	0	0	0	101	62%				
17:15 to 17:30	0	3	3	39	45%	0	3	3	0	0	0	0	3	3	0	0	0	101	62%				
17:30 to 17:45	0	0	0	39	45%	0	0	0	0	0	0	0	0	0	0	0	0	101	62%				
17:45 to 18:00	0	1	1	38	44%	0	5	5	0	0	0	0	5	5	3	0	3	104	64%				
18:00 to 18:15	0	0	0	38	44%	0	0	0	0	0	0	0	0	0	0	0	0	104	64%				
18:15 to 18:30	0	0	0	38	44%	0	0	0	0	0	0	0	0	0	0	0	0	104	64%				
18:30 to 18:45	0	0	0	38	44%	0	0	0	0	0	0	0	0	0	0	0	0	104	64%				
18:45 to 19:00	0	0	0	38	44%	0	0	0	0	0	0	0	0	0	0	0	0	104	64%				

Table 3.56: MA10 Survey Results (Friday hourly data)

Time Period			Vehicle-based Trips					Person-based Trips									Vessel Movements				
			In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied
								In	Out	Total	In	Out	Total	In	Out	Total					
8:00	to	9:00	18	3	21	30	35%	24	4	28	7	3	10	31	7	38	0	1	1	100	61%
8:15	to	9:15	17	3	20	33	38%	25	4	29	7	3	10	32	7	39	0	1	1	100	61%
8:30	to	9:30	21	3	24	40	47%	32	4	36	8	4	12	40	8	48	0	1	1	99	61%
8:45	to	9:45	19	1	20	42	49%	29	1	30	6	4	10	35	5	40	0	0	0	99	61%
9:00	to	10:00	15	0	15	45	52%	21	0	21	4	5	9	25	5	30	0	0	0	99	61%
9:15	to	10:15	16	4	20	45	52%	22	6	28	4	5	9	26	11	37	0	0	0	99	61%
9:30	to	10:30	16	9	25	47	55%	20	15	35	3	5	8	23	20	43	0	0	0	99	61%
9:45	to	10:45	20	13	33	49	57%	27	25	52	4	7	11	31	32	63	0	0	0	99	61%
10:00	to	11:00	22	20	42	49	57%	32	37	69	4	4	8	36	41	77	0	0	0	99	61%
10:15	to	11:15	21	22	43	49	57%	30	41	71	5	7	12	35	48	83	0	1	1	99	61%
10:30	to	11:30	16	24	40	49	57%	24	42	66	7	5	12	31	47	78	0	2	2	99	61%
10:45	to	11:45	16	24	40	47	55%	24	36	60	7	5	12	31	41	72	0	2	2	99	61%
11:00	to	12:00	14	20	34	44	51%	22	30	52	7	5	12	29	35	64	0	2	2	98	60%
11:15	to	12:15	15	17	32	42	49%	22	24	46	6	2	8	28	26	54	0	1	1	97	60%
11:30	to	12:30	13	10	23	42	49%	20	14	34	2	2	4	22	16	38	0	0	0	97	60%
11:45	to	12:45	10	10	20	42	49%	15	16	31	0	0	0	15	16	31	0	0	0	97	60%
12:00	to	13:00	8	9	17	42	49%	9	14	23	1	0	1	10	14	24	0	3	3	97	60%
12:15	to	13:15	4	6	10	42	49%	5	10	15	1	0	1	6	10	16	0	3	3	97	60%
12:30	to	13:30	4	7	11	41	48%	5	11	16	1	1	2	6	12	18	0	3	3	97	60%
12:45	to	13:45	3	3	6	41	48%	3	5	8	1	1	2	4	6	10	0	3	3	94	58%
13:00	to	14:00	2	2	4	41	48%	2	5	7	0	1	1	2	6	8	0	0	0	94	58%
13:15	to	14:15	2	2	4	41	48%	2	5	7	0	1	1	2	6	8	0	0	0	94	58%
13:30	to	14:30	3	1	4	41	48%	3	4	7	0	0	0	3	4	7	1	0	1	95	58%
13:45	to	14:45	3	1	4	43	50%	5	4	9	0	0	0	5	4	9	3	0	3	97	60%
14:00	to	15:00	6	3	9	43	50%	8	5	13	0	0	0	8	5	13	3	0	3	97	60%
14:15	to	15:15	6	3	9	43	50%	8	5	13	0	0	0	8	5	13	3	0	3	97	60%
14:30	to	15:30	5	4	9	43	50%	7	6	13	0	0	0	7	6	13	2	0	2	97	60%
14:45	to	15:45	3	4	7	43	50%	3	6	9	0	0	0	3	6	9	1	0	1	98	60%
15:00	to	16:00	2	1	3	44	51%	6	1	7	1	0	1	7	1	8	2	0	2	99	61%
15:15	to	16:15	5	3	8	45	52%	9	3	12	1	3	4	10	6	16	2	0	2	99	61%
15:30	to	16:30	7	2	9	47	55%	12	2	14	3	4	7	15	6	21	4	0	4	101	62%
15:45	to	16:45	9	6	15	47	55%	14	6	20	3	4	7	17	10	27	3	0	3	101	62%
16:00	to	17:00	8	9	17	47	55%	9	9	18	2	4	6	11	13	24	2	0	2	101	62%
16:15	to	17:15	6	9	15	47	55%	7	9	16	2	1	3	9	10	19	2	0	2	101	62%
16:30	to	17:30	4	12	16	45	52%	4	12	16	0	0	0	4	12	16	0	0	0	101	62%
16:45	to	17:45	2	8	10	43	50%	2	8	10	0	0	0	2	8	10	0	0	0	101	62%
17:00	to	18:00	1	6	7	42	49%	1	10	11	0	0	0	1	10	11	3	0	3	104	64%
17:15	to	18:15	0	4	4	39	45%	0	8	8	0	0	0	0	8	8	3	0	3	104	64%
17:30	to	18:30	0	1	1	39	45%	0	5	5	0	0	0	0	5	5	3	0	3	104	64%
17:45	to	18:45	0	1	1	38	44%	0	5	5	0	0	0	0	5	5	3	0	3	104	64%
18:00	to	19:00	0	0	0	38	44%	0	0	0	0	0	0	0	0	0	0	0	0	104	64%

 Network AM peak hour
 Network PM peak hour
 Site AM peak hour
 Site PM peak hour
 Site (daily) peak hour

Figure 3.76: MA10 Survey Results (Friday) – Vehicle Trips

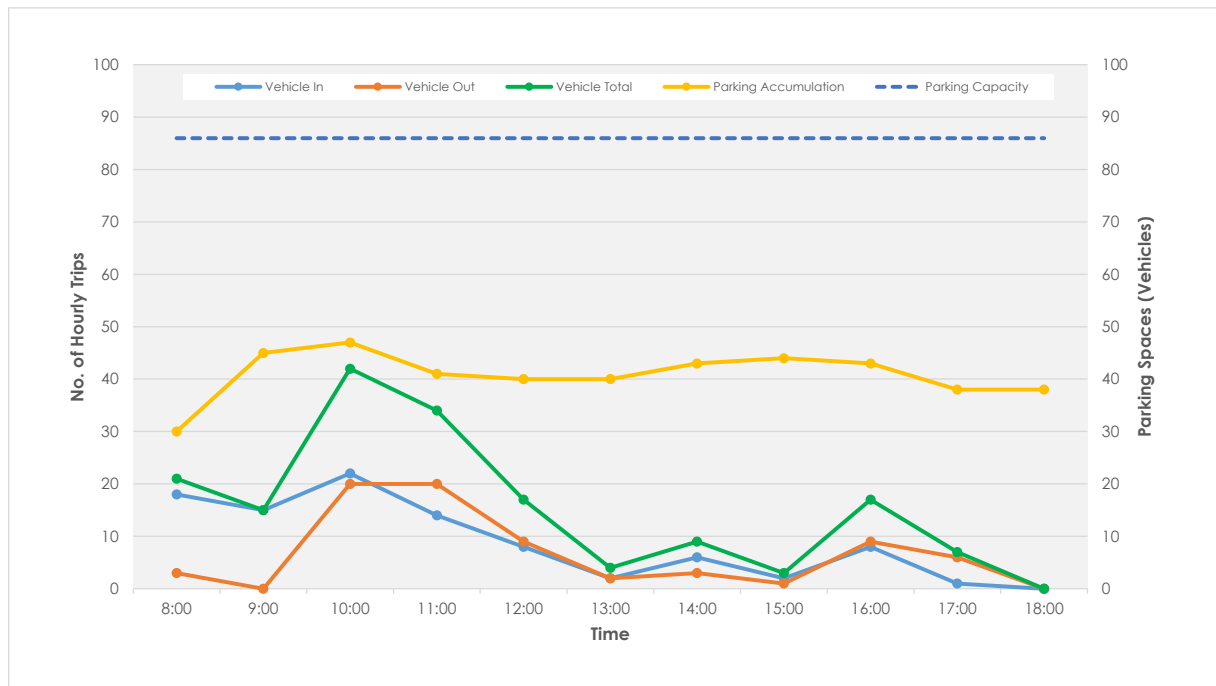


Figure 3.77: MA10 Survey Results (Friday) – Person Trips

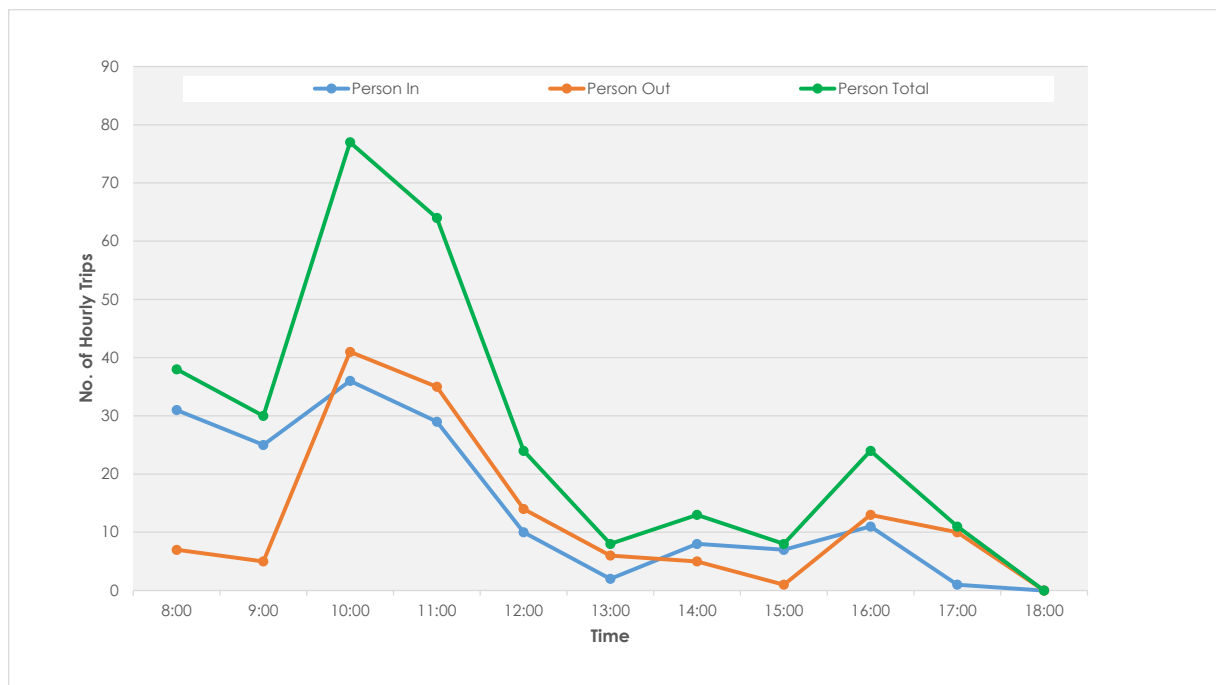


Figure 3.78: MA10 Survey Results (Friday) – Vessel Movements

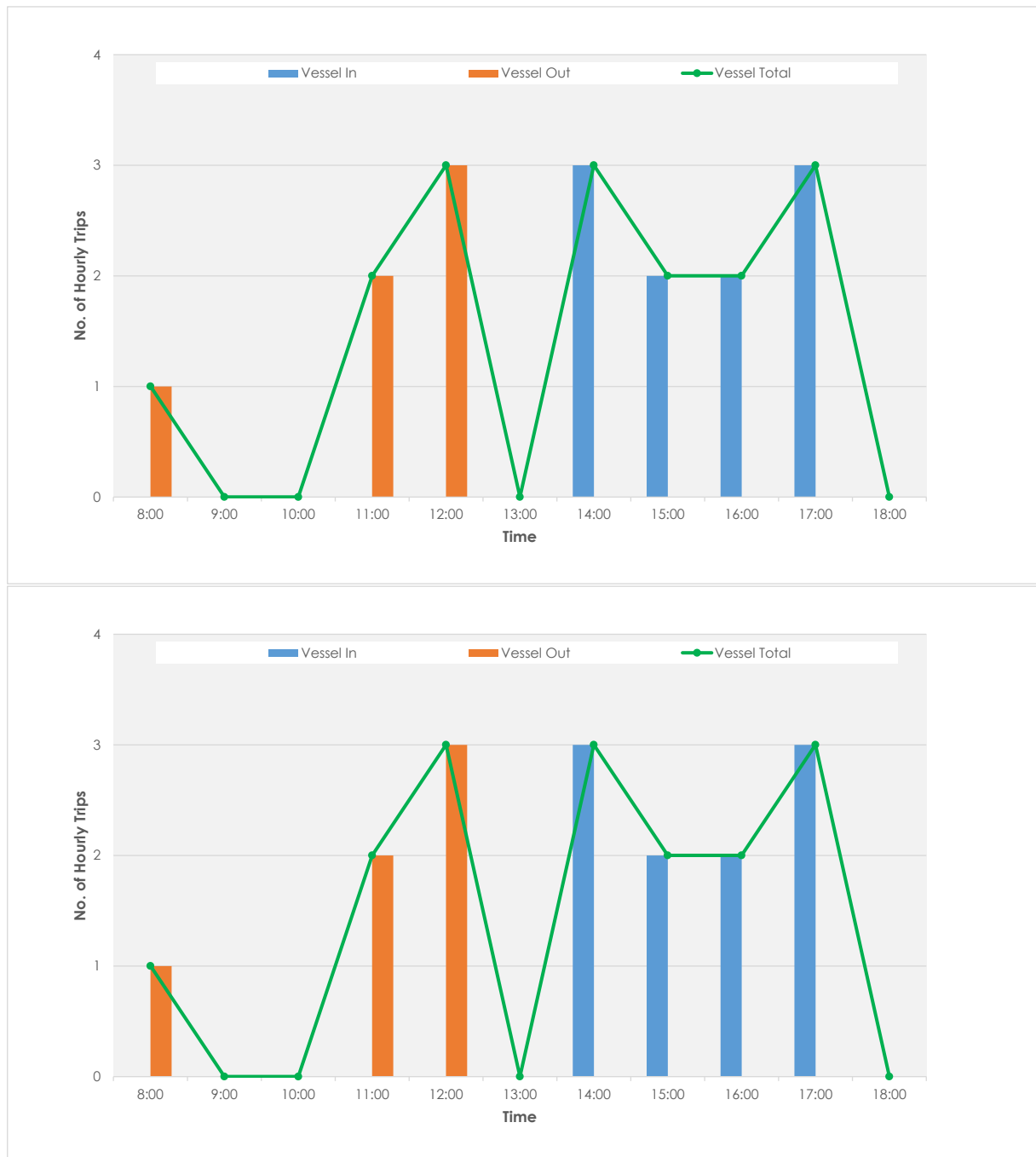


Table 3.57: MA10 Survey Results (Saturday 15-minute data)

Time Period	Vehicle-based Trips						Person-based Trips									Vessel Movements				
	In	Out	Total	Max Accumulation	% Occupied		Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied
8:00 to 8:15	3	0	3	24	28%		3	0	3	2	0	2	5	0	5	0	0	0	100	61%
8:15 to 8:30	4	0	4	28	33%		6	0	6	0	0	0	6	0	6	0	0	0	100	61%
8:30 to 8:45	3	0	3	31	36%		5	0	5	0	0	0	5	0	5	0	0	0	100	61%
8:45 to 9:00	5	1	6	35	41%		7	1	8	2	0	2	9	1	10	0	0	0	100	61%
9:00 to 9:15	3	0	3	38	44%		3	0	3	0	0	0	3	0	3	0	0	0	100	61%
9:15 to 9:30	3	0	3	41	48%		5	0	5	0	0	0	5	0	5	0	0	0	100	61%
9:30 to 9:45	5	2	7	44	51%		7	4	11	2	2	4	9	6	15	0	2	2	98	60%
9:45 to 10:00	5	0	5	49	57%		8	0	8	0	4	4	8	4	12	0	0	0	98	60%
10:00 to 10:15	3	2	5	50	58%		4	3	7	0	0	0	4	3	7	1	0	1	99	61%
10:15 to 10:30	3	10	13	43	50%		5	16	21	2	2	4	7	18	25	0	0	0	99	61%
10:30 to 10:45	3	0	3	46	53%		4	0	4	0	2	2	4	2	6	0	0	0	99	61%
10:45 to 11:00	2	5	7	43	50%		3	7	10	2	0	2	5	7	12	0	0	0	99	61%
11:00 to 11:15	3	6	9	40	47%		4	10	14	0	0	0	4	10	14	0	0	0	99	61%
11:15 to 11:30	3	2	5	41	48%		4	3	7	0	0	0	4	3	7	0	0	0	99	61%
11:30 to 11:45	1	1	2	41	48%		1	1	2	2	0	2	3	1	4	2	0	2	101	62%
11:45 to 12:00	3	5	8	39	45%		3	7	10	0	2	2	3	9	12	0	0	0	101	62%
12:00 to 12:15	1	2	3	38	44%		1	3	4	0	0	0	1	3	4	0	0	0	101	62%
12:15 to 12:30	1	5	6	34	40%		1	10	11	0	0	0	1	10	11	0	1	1	100	61%
12:30 to 12:45	3	2	5	35	41%		5	2	7	1	0	1	6	2	8	0	0	0	100	61%
12:45 to 13:00	5	5	10	35	41%		8	7	15	0	0	0	8	7	15	0	0	0	100	61%
13:00 to 13:15	3	0	3	38	44%		6	0	6	0	1	1	6	1	7	0	0	0	100	61%
13:15 to 13:30	2	5	7	35	41%		2	8	10	0	0	0	2	8	10	0	0	0	100	61%
13:30 to 13:45	2	2	4	35	41%		3	3	6	2	0	2	5	3	8	0	0	0	100	61%
13:45 to 14:00	3	3	6	35	41%		3	5	8	0	0	0	3	5	8	2	0	2	102	63%
14:00 to 14:15	3	2	5	36	42%		4	5	9	0	0	0	4	5	9	0	0	0	102	63%
14:15 to 14:30	5	2	7	39	45%		7	2	9	0	0	0	7	2	9	0	2	2	100	61%
14:30 to 14:45	1	0	1	40	47%		1	0	1	0	0	0	1	0	1	0	0	0	100	61%
14:45 to 15:00	0	4	4	36	42%		0	7	7	0	0	0	0	7	7	0	0	0	100	61%
15:00 to 15:15	4	2	6	38	44%		8	2	10	1	0	1	9	2	11	0	0	0	100	61%
15:15 to 15:30	5	3	8	40	47%		8	4	12	0	2	2	8	6	14	0	0	0	100	61%
15:30 to 15:45	1	3	4	38	44%		2	3	5	0	0	0	2	3	5	0	0	0	100	61%
15:45 to 16:00	1	3	4	36	42%		1	6	7	0	0	0	1	6	7	1	0	1	101	62%
16:00 to 16:15	0	3	3	33	38%		0	4	4	0	0	0	0	4	4	0	0	0	101	62%
16:15 to 16:30	1	1	2	33	38%		2	2	4	0	0	0	2	2	4	0	1	1	100	61%
16:30 to 16:45	2	2	4	33	38%		2	3	5	1	0	1	3	3	6	0	0	0	100	61%
16:45 to 17:00	2	0	2	35	41%		4	0	4	0	0	0	4	0	4	0	0	0	100	61%
17:00 to 17:15	0	1	1	34	40%		0	1	1	0	2	2	0	3	3	0	0	0	100	61%
17:15 to 17:30	1	2	3	33	38%		2	4	6	0	0	0	2	4	6	0	0	0	100	61%
17:30 to 17:45	2	2	4	33	38%		3	2	5	0	0	0	3	2	5	0	1	1	99	61%
17:45 to 18:00	0	2	2	31	36%		0	3	3	0	0	0	0	3	3	0	0	0	99	61%
18:00 to 18:15	0	0	0	31	36%		0	0	0	0	0	0	0	0	0	0	0	0	99	61%
18:15 to 18:30	0	0	0	31	36%		0	0	0	0	0	0	0	0	0	0	0	0	99	61%
18:30 to 18:45	0	0	0	31	36%		0	0	0	0	0	0	0	0	0	0	0	0	99	61%
18:45 to 19:00	0	0	0	31	36%		0	0	0	0	0	0	0	0	0	0	0	0	99	61%

Table 3.58: MA10 Survey Results (Saturday hourly data)

Time Period			Vehicle-based Trips					Person-based Trips												Vessel Movements				
			In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied			
								In	Out	Total	In	Out	Total	In	Out	Total								
8:00	to	9:00	15	1	16	35	41%	21	1	22	4	0	4	25	1	26	0	0	0	100	61%			
8:15	to	9:15	15	1	16	38	44%	21	1	22	2	0	2	23	1	24	0	0	0	100	61%			
8:30	to	9:30	14	1	15	41	48%	20	1	21	2	0	2	22	1	23	0	0	0	100	61%			
8:45	to	9:45	16	3	19	44	51%	22	5	27	4	2	6	26	7	33	0	2	2	100	61%			
9:00	to	10:00	16	2	18	49	57%	23	4	27	2	6	8	25	10	35	0	2	2	100	61%			
9:15	to	10:15	16	4	20	50	58%	24	7	31	2	6	8	26	13	39	1	2	3	100	61%			
9:30	to	10:30	16	14	30	50	58%	24	23	47	4	8	12	28	31	59	1	2	3	99	61%			
9:45	to	10:45	14	12	26	50	58%	21	19	40	2	8	10	23	27	50	1	0	1	99	61%			
10:00	to	11:00	11	17	28	50	58%	16	26	42	4	4	8	20	30	50	1	0	1	99	61%			
10:15	to	11:15	11	21	32	46	53%	16	33	49	4	4	8	20	37	57	0	0	0	99	61%			
10:30	to	11:30	11	13	24	46	53%	15	20	35	2	2	4	17	22	39	0	0	0	99	61%			
10:45	to	11:45	9	14	23	43	50%	12	21	33	4	0	4	16	21	37	2	0	2	101	62%			
11:00	to	12:00	10	14	24	41	48%	12	21	33	2	2	4	14	23	37	2	0	2	101	62%			
11:15	to	12:15	8	10	18	41	48%	9	14	23	2	2	4	11	16	27	2	0	2	101	62%			
11:30	to	12:30	6	13	19	41	48%	6	21	27	2	2	4	8	23	31	2	1	3	101	62%			
11:45	to	12:45	8	14	22	39	45%	10	22	32	1	2	3	11	24	35	0	1	1	101	62%			
12:00	to	13:00	10	14	24	38	44%	15	22	37	1	0	1	16	22	38	0	1	1	101	62%			
12:15	to	13:15	12	12	24	38	44%	20	19	39	1	1	2	21	20	41	0	1	1	100	61%			
12:30	to	13:30	13	12	25	38	44%	21	17	38	1	1	2	22	18	40	0	0	0	100	61%			
12:45	to	13:45	12	12	24	38	44%	19	18	37	2	1	3	21	19	40	0	0	0	100	61%			
13:00	to	14:00	10	10	20	38	44%	14	16	30	2	1	3	16	17	33	2	0	2	102	63%			
13:15	to	14:15	10	12	22	36	42%	12	21	33	2	0	2	14	21	35	2	0	2	102	63%			
13:30	to	14:30	13	9	22	39	45%	17	15	32	2	0	2	19	15	34	2	2	4	102	63%			
13:45	to	14:45	12	7	19	40	47%	15	12	27	0	0	0	15	12	27	2	2	4	102	63%			
14:00	to	15:00	9	8	17	40	47%	12	14	26	0	0	0	12	14	26	0	2	2	102	63%			
14:15	to	15:15	10	8	18	40	47%	16	11	27	1	0	1	17	11	28	0	2	2	100	61%			
14:30	to	15:30	10	9	19	40	47%	17	13	30	1	2	3	18	15	33	0	0	0	100	61%			
14:45	to	15:45	10	12	22	40	47%	18	16	34	1	2	3	19	18	37	0	0	0	100	61%			
15:00	to	16:00	11	11	22	40	47%	19	15	34	1	2	3	20	17	37	1	0	1	101	62%			
15:15	to	16:15	7	12	19	40	47%	11	17	28	0	2	2	11	19	30	1	0	1	101	62%			
15:30	to	16:30	3	10	13	38	44%	5	15	20	0	0	0	5	15	20	1	1	2	101	62%			
15:45	to	16:45	4	9	13	36	42%	5	15	20	1	0	1	6	15	21	1	1	2	101	62%			
16:00	to	17:00	5	6	11	35	41%	8	9	17	1	0	1	9	9	18	0	1	1	101	62%			
16:15	to	17:15	5	4	9	35	41%	8	6	14	1	2	3	9	8	17	0	1	1	100	61%			
16:30	to	17:30	5	5	10	35	41%	8	8	16	1	2	3	9	10	19	0	0	0	100	61%			
16:45	to	17:45	5	5	10	35	41%	9	7	16	0	2	2	9	9	18	0	1	1	100	61%			
17:00	to	18:00	3	7	10	34	40%	5	10	15	0	2	2	5	12	17	0	1	1	100	61%			
17:15	to	18:15	3	6	9	33	38%	5	9	14	0	0	0	5	9	14	0	1	1	100	61%			
17:30	to	18:30	2	4	6	33	38%	3	5	8	0	0	0	3	5	8	0	1	1	99	61%			
17:45	to	18:45	0	2	2	31	36%	0	3	3	0	0	0	0	3	3	0	0	0	99	61%			
18:00	to	19:00	0	0	0	31	36%	0	0	0	0	0	0	0	0	0	0	0	0	99	61%			

 Network AM peak hour
 Site peak hour

Figure 3.79: MA10 Survey Results (Saturday) – Vehicle Trips

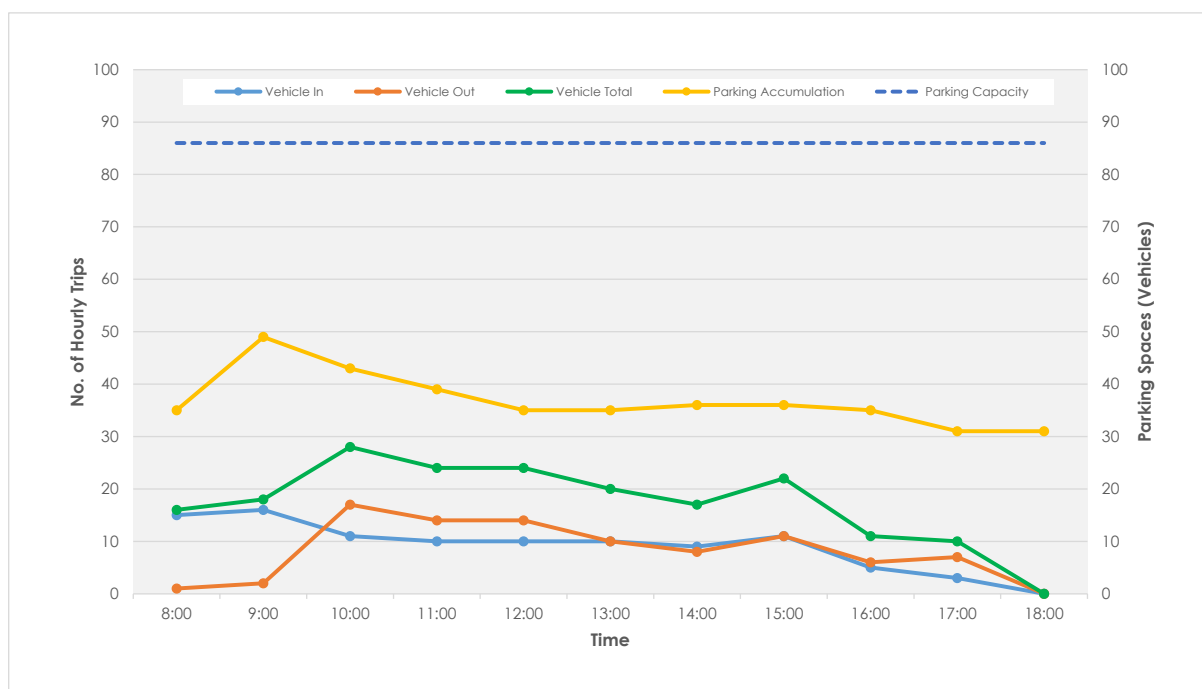


Figure 3.80: MA10 Survey Results (Saturday) – Person Trips

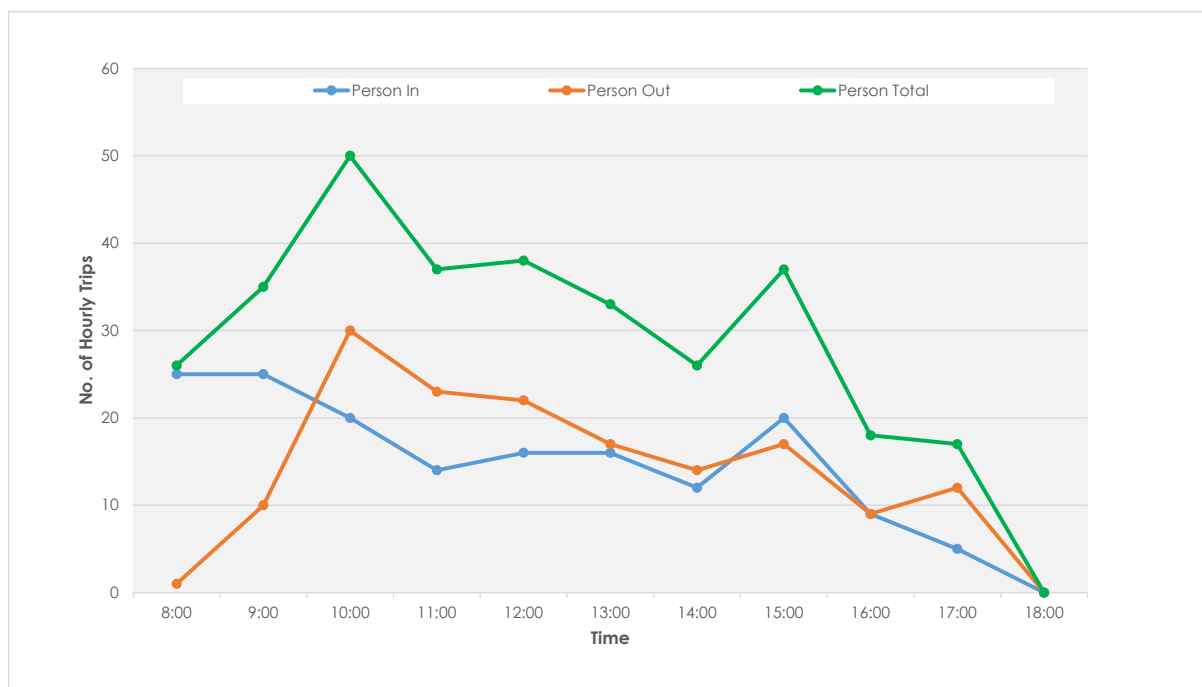


Figure 3.81: MA10 Survey Results (Saturday) – Vessel Movements

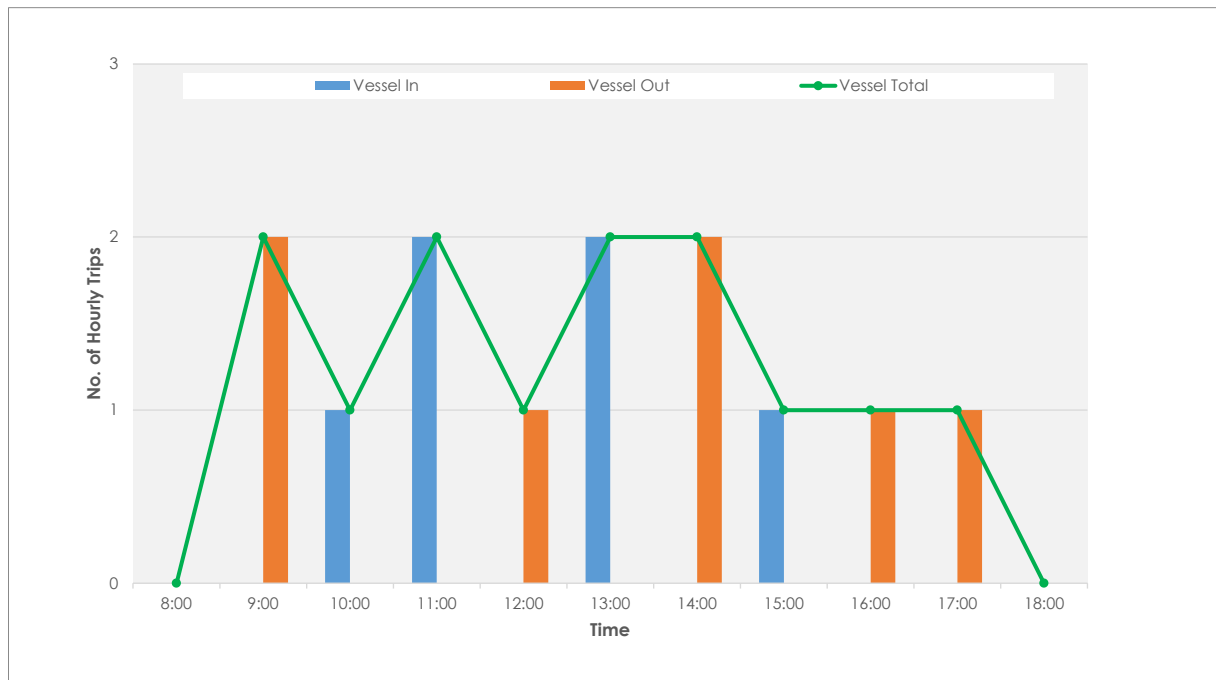


Table 3.59: MA10 Survey Results (Sunday 15-minute data)

Time Period	Vehicle-based Trips					Person-based Trips									Vessel Movements				
	In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied
8:00 to 8:15	3	0	3	39	45%	4	0	4	0	0	0	4	0	4	0	0	0	104	64%
8:15 to 8:30	4	0	4	43	50%	6	0	6	0	0	0	6	0	6	0	0	0	104	64%
8:30 to 8:45	5	0	5	48	56%	7	0	7	0	0	0	7	0	7	0	0	0	104	64%
8:45 to 9:00	6	1	7	53	62%	9	2	11	0	0	0	9	2	11	0	0	0	104	64%
9:00 to 9:15	7	2	9	58	67%	9	3	12	0	0	0	9	3	12	0	0	0	104	64%
9:15 to 9:30	5	0	5	63	73%	7	0	7	3	0	3	10	0	10	0	0	0	104	64%
9:30 to 9:45	3	0	3	66	77%	5	0	5	0	0	0	5	0	5	0	0	0	104	64%
9:45 to 10:00	2	1	3	67	78%	2	2	4	0	0	0	2	2	4	0	0	0	104	64%
10:00 to 10:15	5	9	14	63	73%	10	13	23	6	0	6	16	13	29	0	0	0	104	64%
10:15 to 10:30	3	10	13	56	65%	5	13	18	0	3	3	5	16	21	1	0	1	105	64%
10:30 to 10:45	0	1	1	55	64%	0	1	1	0	1	1	0	2	2	0	0	0	105	64%
10:45 to 11:00	0	0	0	55	64%	0	0	0	0	0	0	0	0	0	0	0	0	105	64%
11:00 to 11:15	2	0	2	57	66%	2	0	2	1	0	1	3	0	3	0	0	0	105	64%
11:15 to 11:30	3	1	4	59	69%	5	1	6	0	0	0	5	1	6	1	0	1	106	65%
11:30 to 11:45	4	2	6	61	71%	6	2	8	0	5	5	6	7	13	0	0	0	106	65%
11:45 to 12:00	0	1	1	60	70%	0	2	2	0	0	0	0	2	2	0	0	0	106	65%
12:00 to 12:15	0	1	1	59	69%	0	1	1	3	0	3	3	1	4	0	0	0	106	65%
12:15 to 12:30	2	0	2	61	71%	3	0	3	0	0	0	3	0	3	0	0	0	106	65%
12:30 to 12:45	0	2	2	59	69%	0	6	6	0	0	0	0	6	6	2	0	2	108	66%
12:45 to 13:00	1	0	1	60	70%	2	0	2	0	1	1	2	1	3	0	1	1	107	66%
13:00 to 13:15	1	3	4	58	67%	3	3	6	0	0	0	3	3	6	0	0	0	107	66%
13:15 to 13:30	0	0	0	58	67%	0	0	0	0	0	0	0	0	0	0	0	0	107	66%
13:30 to 13:45	1	0	1	59	69%	3	0	3	0	3	3	3	3	6	1	0	1	108	66%
13:45 to 14:00	1	0	1	60	70%	2	0	2	0	0	0	2	0	2	0	2	2	106	65%
14:00 to 14:15	3	5	8	58	67%	3	9	12	0	0	0	3	9	12	0	0	0	106	65%
14:15 to 14:30	1	4	5	55	64%	1	8	9	0	0	0	1	8	9	2	0	2	108	66%
14:30 to 14:45	0	2	2	53	62%	0	3	3	2	0	2	2	3	5	0	0	0	108	66%
14:45 to 15:00	1	0	1	54	63%	1	0	1	0	0	0	1	0	1	0	0	0	108	66%
15:00 to 15:15	0	4	4	50	58%	0	6	6	0	0	0	0	6	6	0	0	0	108	66%
15:15 to 15:30	0	0	0	50	58%	0	0	0	0	0	0	0	0	0	0	0	0	108	66%
15:30 to 15:45	0	0	0	50	58%	0	0	0	0	2	2	0	2	2	0	1	1	107	66%
15:45 to 16:00	0	3	3	47	55%	0	5	5	0	0	0	0	5	5	1	0	1	108	66%
16:00 to 16:15	1	1	2	47	55%	1	1	2	0	0	0	1	1	2	0	0	0	108	66%
16:15 to 16:30	0	2	2	45	52%	0	0	0	0	0	0	0	0	0	0	0	0	108	66%
16:30 to 16:45	0	2	2	43	50%	0	2	2	0	0	0	0	2	2	0	1	1	107	66%
16:45 to 17:00	1	0	1	44	51%	1	0	1	0	0	0	1	0	1	0	0	0	107	66%
17:00 to 17:15	0	0	0	44	51%	0	0	0	0	0	0	0	0	0	1	2	3	106	65%
17:15 to 17:30	0	3	3	41	48%	0	5	5	0	0	0	0	5	5	0	0	0	106	65%
17:30 to 17:45	0	0	0	41	48%	0	0	0	0	0	0	0	0	0	0	2	2	104	64%
17:45 to 18:00	0	1	1	40	47%	0	1	1	0	0	0	0	1	1	0	0	0	104	64%
18:00 to 18:15	0	0	0	40	47%	0	0	0	0	0	0	0	0	0	0	0	0	104	64%
18:15 to 18:30	0	0	0	40	47%	0	0	0	0	0	0	0	0	0	0	0	0	104	64%
18:30 to 18:45	0	0	0	40	47%	0	0	0	0	0	0	0	0	0	0	0	0	104	64%
18:45 to 19:00	0	0	0	40	47%	0	0	0	0	0	0	0	0	0	0	0	0	104	64%

Table 3.60: MA10 Survey Results (Sunday hourly data)

Time Period	Vehicle-based Trips						Person-based Trips												Vessel Movements				
	In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied				
						In	Out	Total	In	Out	Total	In	Out	Total									
8:00 to 9:00	18	1	19	53	62%	26	2	28	0	0	0	26	2	28	0	0	0	104	64%				
8:15 to 9:15	22	3	25	58	67%	31	5	36	0	0	0	31	5	36	0	0	0	104	64%				
8:30 to 9:30	23	3	26	63	73%	32	5	37	3	0	3	35	5	40	0	0	0	104	64%				
8:45 to 9:45	21	3	24	66	77%	30	5	35	3	0	3	33	5	38	0	0	0	104	64%				
9:00 to 10:00	17	3	20	67	78%	23	5	28	3	0	3	26	5	31	0	0	0	104	64%				
9:15 to 10:15	15	10	25	67	78%	24	15	39	9	0	9	33	15	48	0	0	0	104	64%				
9:30 to 10:30	13	20	33	67	78%	22	28	50	6	3	9	28	31	59	1	0	1	105	64%				
9:45 to 10:45	10	21	31	67	78%	17	29	46	6	4	10	23	33	56	1	0	1	105	64%				
10:00 to 11:00	8	20	28	63	73%	15	27	42	6	4	10	21	31	52	1	0	1	105	64%				
10:15 to 11:15	5	11	16	57	66%	7	14	21	1	4	5	8	18	26	1	0	1	105	64%				
10:30 to 11:30	5	2	7	59	69%	7	2	9	1	1	2	8	3	11	1	0	1	106	65%				
10:45 to 11:45	9	3	12	61	71%	13	3	16	1	5	6	14	8	22	1	0	1	106	65%				
11:00 to 12:00	9	4	13	61	71%	13	5	18	1	5	6	14	10	24	1	0	1	106	65%				
11:15 to 12:15	7	5	12	61	71%	11	6	17	3	5	8	14	11	25	1	0	1	106	65%				
11:30 to 12:30	6	4	10	61	71%	9	5	14	3	5	8	12	10	22	0	0	0	106	65%				
11:45 to 12:45	2	4	6	61	71%	3	9	12	3	0	3	6	9	15	2	0	2	108	66%				
12:00 to 13:00	3	3	6	61	71%	5	7	12	3	1	4	8	8	16	2	1	3	108	66%				
12:15 to 13:15	4	5	9	61	71%	8	9	17	0	1	1	8	10	18	2	1	3	108	66%				
12:30 to 13:30	2	5	7	60	70%	5	9	14	0	1	1	5	10	15	2	1	3	108	66%				
12:45 to 13:45	3	3	6	60	70%	8	3	11	0	4	4	8	7	15	1	1	2	108	66%				
13:00 to 14:00	3	3	6	60	70%	8	3	11	0	3	3	8	6	14	1	2	3	108	66%				
13:15 to 14:15	5	5	10	60	70%	8	9	17	0	3	3	8	12	20	1	2	3	108	66%				
13:30 to 14:30	6	9	15	60	70%	9	17	26	0	3	3	9	20	29	3	2	5	108	66%				
13:45 to 14:45	5	11	16	60	70%	6	20	26	2	0	2	8	20	28	2	2	4	108	66%				
14:00 to 15:00	5	11	16	58	67%	5	20	25	2	0	2	7	20	27	2	0	2	108	66%				
14:15 to 15:15	2	10	12	55	64%	2	17	19	2	0	2	4	17	21	2	0	2	108	66%				
14:30 to 15:30	1	6	7	54	63%	1	9	10	2	0	2	3	9	12	0	0	0	108	66%				
14:45 to 15:45	1	4	5	54	63%	1	6	7	0	2	2	1	8	9	0	1	1	108	66%				
15:00 to 16:00	0	7	7	50	58%	0	11	11	0	2	2	0	13	13	1	1	2	108	66%				
15:15 to 16:15	1	4	5	50	58%	1	6	7	0	2	2	1	8	9	1	1	2	108	66%				
15:30 to 16:30	1	6	7	50	58%	1	6	7	0	2	2	1	8	9	1	1	2	108	66%				
15:45 to 16:45	1	8	9	47	55%	1	8	9	0	0	0	1	8	9	1	1	2	108	66%				
16:00 to 17:00	2	5	7	47	55%	2	3	5	0	0	0	2	3	5	0	1	1	108	66%				
16:15 to 17:15	1	4	5	45	52%	1	2	3	0	0	0	1	2	3	1	3	4	108	66%				
16:30 to 17:30	1	5	6	44	51%	1	7	8	0	0	0	1	7	8	1	3	4	107	66%				
16:45 to 17:45	1	3	4	44	51%	1	5	6	0	0	0	1	5	6	1	4	5	107	66%				
17:00 to 18:00	0	4	4	44	51%	0	6	6	0	0	0	0	6	6	1	4	5	106	65%				
17:15 to 18:15	0	4	4	41	48%	0	6	6	0	0	0	0	6	6	0	2	2	106	65%				
17:30 to 18:30	0	1	1	41	48%	0	1	1	0	0	0	0	1	1	0	2	2	104	64%				
17:45 to 18:45	0	1	1	40	47%	0	1	1	0	0	0	0	1	1	0	0	0	104	64%				
18:00 to 19:00	0	0	0	40	47%	0	0	0	0	0	0	0	0	0	0	0	0	104	64%				

 Network AM peak hour
 Site peak hour

Figure 3.82: MA10 Survey Results (Sunday) – Vehicle Trips

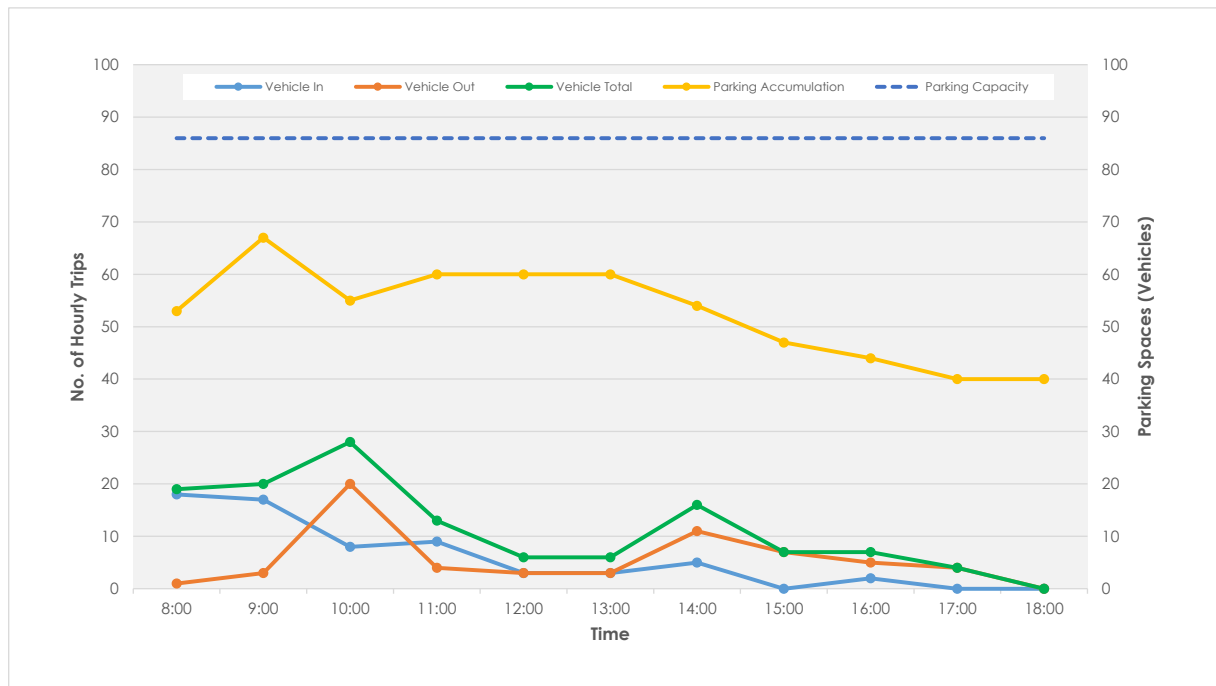


Figure 3.83: MA10 Survey Results (Sunday) – Person Trips

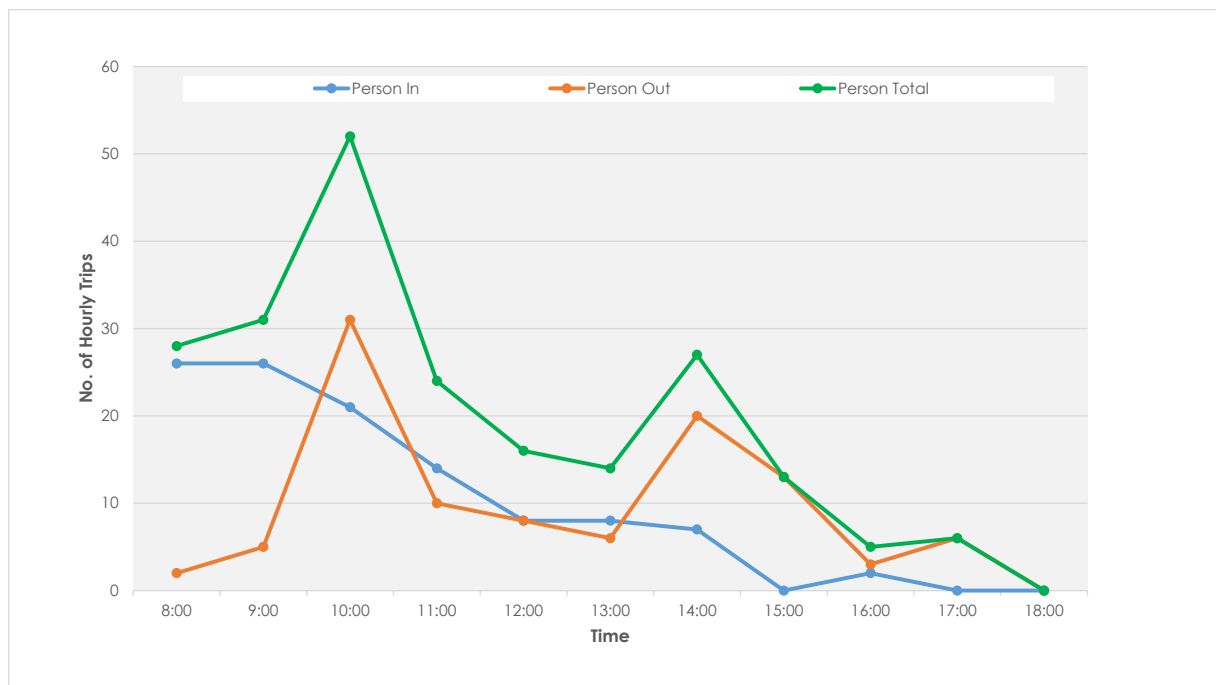
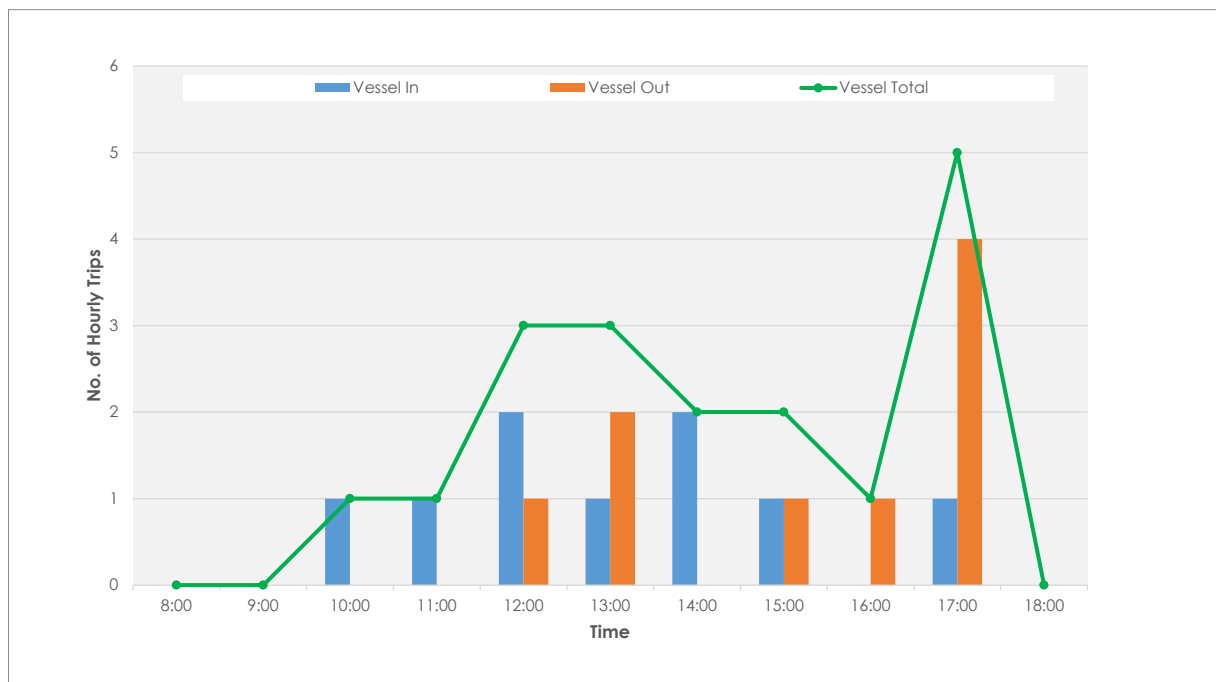


Figure 3.84: MA10 Survey Results (Sunday) – Vessel Movements



3.1.11 MA11 - Soldiers Point Marina

Table 3.61: MA11 Survey Results (Friday 15-minute data)

Time Period			Vehicle-based Trips					Person-based Trips												Vessel Movements				
			In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied			
								In	Out	Total	In	Out	Total	In	Out	Total								
8:00	to	8:15	0	0	0	28	57%	0	0	0	5	2	7	5	2	7	0	0	0	147	90%			
8:15	to	8:30	0	0	0	28	57%	0	0	0	2	4	6	2	4	6	0	0	0	147	90%			
8:30	to	8:45	0	1	1	27	55%	1	0	1	3	2	5	4	2	6	0	2	2	145	89%			
8:45	to	9:00	0	0	0	27	55%	0	2	2	4	1	5	4	3	7	0	1	1	144	88%			
9:00	to	9:15	3	1	4	29	59%	8	8	16	6	0	6	14	8	22	1	1	2	144	88%			
9:15	to	9:30	0	2	2	27	55%	10	5	15	7	6	13	17	11	28	0	0	0	144	88%			
9:30	to	9:45	4	4	8	27	55%	16	14	30	12	9	21	28	23	51	2	2	4	144	88%			
9:45	to	10:00	3	2	5	28	57%	11	8	19	9	8	17	20	16	36	0	0	0	144	88%			
10:00	to	10:15	2	2	4	28	57%	8	2	10	6	4	10	14	6	20	1	1	2	144	88%			
10:15	to	10:30	2	2	4	28	57%	2	4	6	7	3	10	9	7	16	3	0	3	147	90%			
10:30	to	10:45	3	3	6	28	57%	9	6	15	4	1	5	13	7	20	0	1	1	146	90%			
10:45	to	11:00	2	3	5	27	55%	4	9	13	9	2	11	13	11	24	1	1	2	146	90%			
11:00	to	11:15	4	2	6	29	59%	12	6	18	12	4	16	24	10	34	0	0	0	146	90%			
11:15	to	11:30	3	5	8	27	55%	5	12	17	11	7	18	16	19	35	1	2	3	145	89%			
11:30	to	11:45	2	2	4	27	55%	6	3	9	2	4	6	8	7	15	0	0	0	145	89%			
11:45	to	12:00	0	0	0	27	55%	0	0	0	4	9	13	4	9	13	1	0	1	146	90%			
12:00	to	12:15	1	1	2	27	55%	0	4	4	3	2	5	3	6	9	0	0	0	146	90%			
12:15	to	12:30	0	0	0	27	55%	0	0	0	14	3	17	14	3	17	0	1	1	145	89%			
12:30	to	12:45	4	3	7	28	57%	9	9	18	8	11	19	17	20	37	2	2	4	145	89%			
12:45	to	13:00	2	3	5	27	55%	2	4	6	7	2	9	9	6	15	0	1	1	144	88%			
13:00	to	13:15	3	2	5	28	57%	8	8	16	4	4	8	12	12	24	1	0	1	145	89%			
13:15	to	13:30	3	4	7	27	55%	11	6	17	9	7	16	20	13	33	0	0	0	145	89%			
13:30	to	13:45	1	0	1	28	57%	4	0	4	13	11	24	17	11	28	0	3	3	142	87%			
13:45	to	14:00	3	2	5	29	59%	3	2	5	15	4	19	18	6	24	1	0	1	143	88%			
14:00	to	14:15	3	1	4	31	63%	8	4	12	9	13	22	17	17	34	0	1	1	142	87%			
14:15	to	14:30	1	2	3	30	61%	2	4	6	7	14	21	9	18	27	1	1	2	142	87%			
14:30	to	14:45	0	1	1	29	59%	0	0	0	2	2	4	2	2	4	0	0	0	142	87%			
14:45	to	15:00	0	0	0	29	59%	0	0	0	10	8	18	10	8	18	0	1	1	141	87%			
15:00	to	15:15	0	0	0	29	59%	0	0	0	6	7	13	6	7	13	0	0	0	141	87%			
15:15	to	15:30	1	0	1	30	61%	2	0	2	7	8	15	9	8	17	2	0	2	143	88%			
15:30	to	15:45	0	1	1	29	59%	0	4	4	4	6	10	4	10	14	0	1	1	142	87%			
15:45	to	16:00	4	3	7	30	61%	14	12	26	7	7	14	21	19	40	0	0	0	142	87%			
16:00	to	16:15	2	3	5	29	59%	10	8	18	8	9	17	18	17	35	1	0	1	143	88%			
16:15	to	16:30	2	1	3	30	61%	6	4	10	8	12	20	14	16	30	0	0	0	143	88%			
16:30	to	16:45	1	4	5	27	55%	1	12	13	8	13	21	9	25	34	0	0	0	143	88%			
16:45	to	17:00	2	3	5	26	53%	2	3	5	6	3	9	8	6	14	1	1	2	143	88%			
17:00	to	17:15	0	2	2	24	49%	0	4	4	4	0	4	4	4	8	1	1	2	143	88%			
17:15	to	17:30	1	4	5	21	43%	2	7	9	5	3	8	7	10	17	0	0	0	143	88%			
17:30	to	17:45	0	0	0	21	43%	0	0	0	0	0	0	0	0	0	0	0	0	143	88%			
17:45	to	18:00	0	0	0	21	43%	0	0	0	0	0	0	0	0	0	0	0	0	143	88%			
18:00	to	18:15	0	0	0	21	43%	0	0	0	0	0	0	0	0	0	0	0	0	143	88%			
18:15	to	18:30	0	0	0	21	43%	0	0	0	0	0	0	0	0	0	0	0	0	143	88%			
18:30	to	18:45	0	0	0	21	43%	0	0	0	0	0	0	0	0	0	0	0	0	143	88%			
18:45	to	19:00	0	0	0	21	43%	0	0	0	0	0	0	0	0	0	0	0	0	143	88%			

Table 3.62: MA11 Survey Results (Friday hourly data)

Time Period			Vehicle-based Trips					Person-based Trips												Vessel Movements				
			In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied			
								In	Out	Total	In	Out	Total	In	Out	Total								
8:00 to 9:00	0	1	1	28	57%	1	2	3	14	9	23	15	11	26	0	3	3	147	90%					
8:15 to 9:15	3	2	5	29	59%	9	10	19	15	7	22	24	17	41	1	4	5	147	90%					
8:30 to 9:30	3	4	7	29	59%	19	15	34	20	9	29	39	24	63	1	4	5	145	89%					
8:45 to 9:45	7	7	14	29	59%	34	29	63	29	16	45	63	45	108	3	4	7	144	88%					
9:00 to 10:00	10	9	19	29	59%	45	35	80	34	23	57	79	58	137	3	3	6	144	88%					
9:15 to 10:15	9	10	19	28	57%	45	29	74	34	27	61	79	56	135	3	3	6	144	88%					
9:30 to 10:30	11	10	21	28	57%	37	28	65	34	24	58	71	52	123	6	3	9	147	90%					
9:45 to 10:45	10	9	19	28	57%	30	20	50	26	16	42	56	36	92	4	2	6	147	90%					
10:00 to 11:00	9	10	19	28	57%	23	21	44	26	10	36	49	31	80	5	3	8	147	90%					
10:15 to 11:15	11	10	21	29	59%	27	25	52	32	10	42	59	35	94	4	2	6	147	90%					
10:30 to 11:30	12	13	25	29	59%	30	33	63	36	14	50	66	47	113	2	4	6	146	90%					
10:45 to 11:45	11	12	23	29	59%	27	30	57	34	17	51	61	47	108	2	3	5	146	90%					
11:00 to 12:00	9	9	18	29	59%	23	21	44	29	24	53	52	45	97	2	2	4	146	90%					
11:15 to 12:15	6	8	14	27	55%	11	19	30	20	22	42	31	41	72	2	2	4	146	90%					
11:30 to 12:30	3	3	6	27	55%	6	7	13	23	18	41	29	25	54	1	1	2	146	90%					
11:45 to 12:45	5	4	9	28	57%	9	13	22	29	25	54	38	38	76	3	3	6	146	90%					
12:00 to 13:00	7	7	14	28	57%	11	17	28	32	18	50	43	35	78	2	4	6	146	90%					
12:15 to 13:15	9	8	17	28	57%	19	21	40	33	20	53	52	41	93	3	4	7	145	89%					
12:30 to 13:30	12	12	24	28	57%	30	27	57	28	24	52	58	51	109	3	3	6	145	89%					
12:45 to 13:45	9	9	18	28	57%	25	18	43	33	24	57	58	42	100	1	4	5	145	89%					
13:00 to 14:00	10	8	18	29	59%	26	16	42	41	26	67	67	42	109	2	3	5	145	89%					
13:15 to 14:15	10	7	17	31	63%	26	12	38	46	35	81	72	47	119	1	4	5	145	89%					
13:30 to 14:30	8	5	13	31	63%	17	10	27	44	42	86	61	52	113	2	5	7	143	88%					
13:45 to 14:45	7	6	13	31	63%	13	10	23	33	33	66	46	43	89	2	2	4	143	88%					
14:00 to 15:00	4	4	8	31	63%	10	8	18	28	37	65	38	45	83	1	3	4	142	87%					
14:15 to 15:15	1	3	4	30	61%	2	4	6	25	31	56	27	35	62	1	2	3	142	87%					
14:30 to 15:30	1	1	2	30	61%	2	0	2	25	25	50	27	25	52	2	1	3	143	88%					
14:45 to 15:45	1	1	2	30	61%	2	4	6	27	29	56	29	33	62	2	2	4	143	88%					
15:00 to 16:00	5	4	9	30	61%	16	16	32	24	28	52	40	44	84	2	1	3	143	88%					
15:15 to 16:15	7	7	14	30	61%	26	24	50	26	30	56	52	54	106	3	1	4	143	88%					
15:30 to 16:30	8	8	16	30	61%	30	28	58	27	34	61	57	62	119	1	1	2	143	88%					
15:45 to 16:45	9	11	20	30	61%	31	36	67	31	41	72	62	77	139	1	0	1	143	88%					
16:00 to 17:00	7	11	18	30	61%	19	27	46	30	37	67	49	64	113	2	1	3	143	88%					
16:15 to 17:15	5	10	15	30	61%	9	23	32	26	28	54	35	51	86	2	2	4	143	88%					
16:30 to 17:30	4	13	17	27	55%	5	26	31	23	19	42	28	45	73	2	2	4	143	88%					
16:45 to 17:45	3	9	12	26	53%	4	14	18	15	6	21	19	20	39	2	2	4	143	88%					
17:00 to 18:00	1	6	7	24	49%	2	11	13	9	3	12	11	14	25	1	1	2	143	88%					
17:15 to 18:15	1	4	5	21	43%	2	7	9	5	3	8	7	10	17	0	0	0	143	88%					
17:30 to 18:30	0	0	0	21	43%	0	0	0	0	0	0	0	0	0	0	0	0	143	88%					
17:45 to 18:45	0	0	0	21	43%	0	0	0	0	0	0	0	0	0	0	0	0	143	88%					
18:00 to 19:00	0	0	0	21	43%	0	0	0	0	0	0	0	0	0	0	0	0	143	88%					

 Network AM peak hour
 Network PM peak hour
 Site AM peak hour
 Site PM peak hour
 Site (daily) peak hour

Figure 3.85: MA11 Survey Results (Friday) – Vehicle Trips

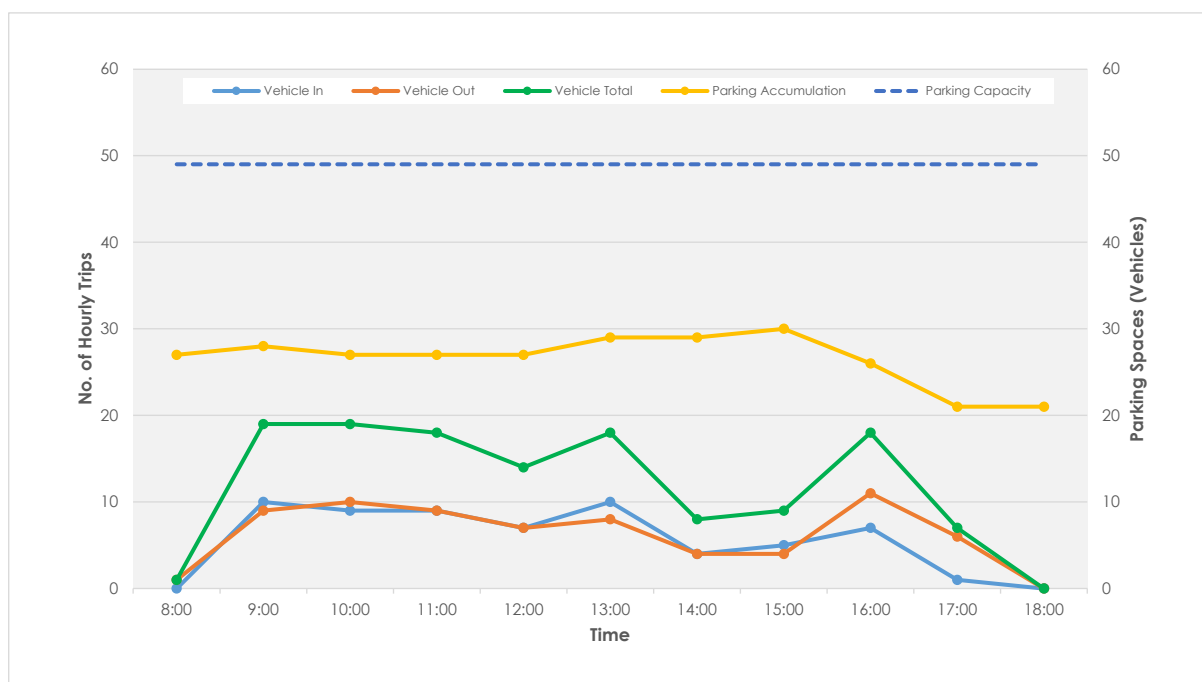


Figure 3.86: MA11 Survey Results (Friday) – Person Trips

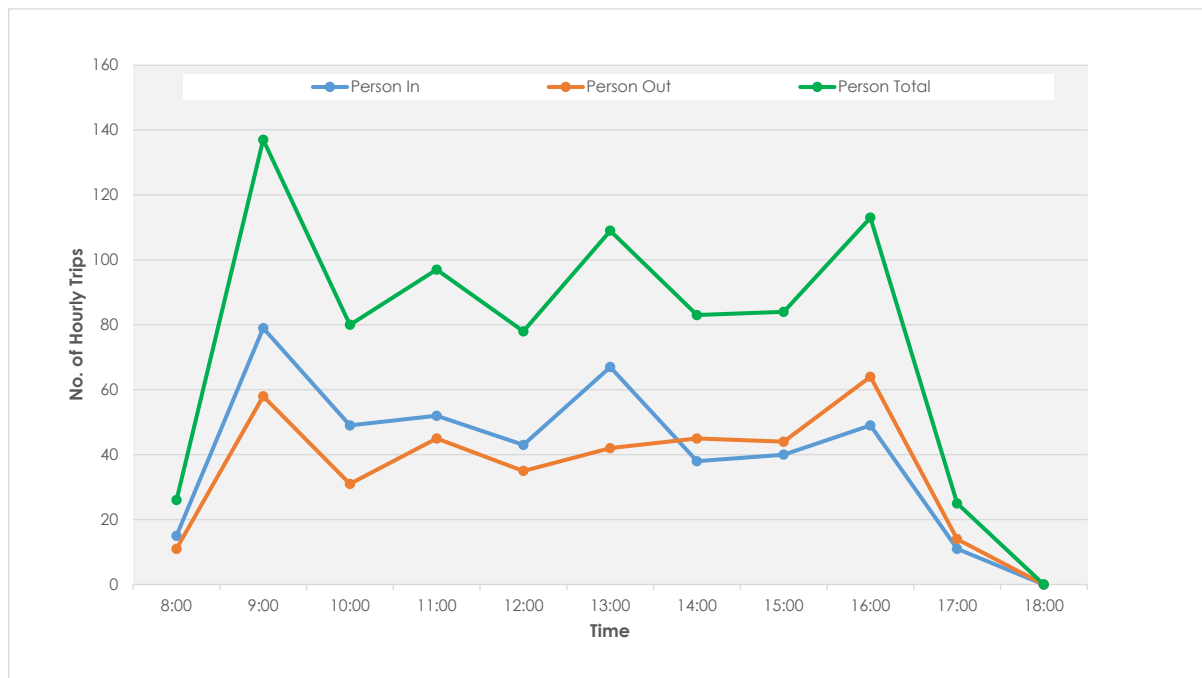


Figure 3.87: MA11 Survey Results (Friday) – Vessel Movements

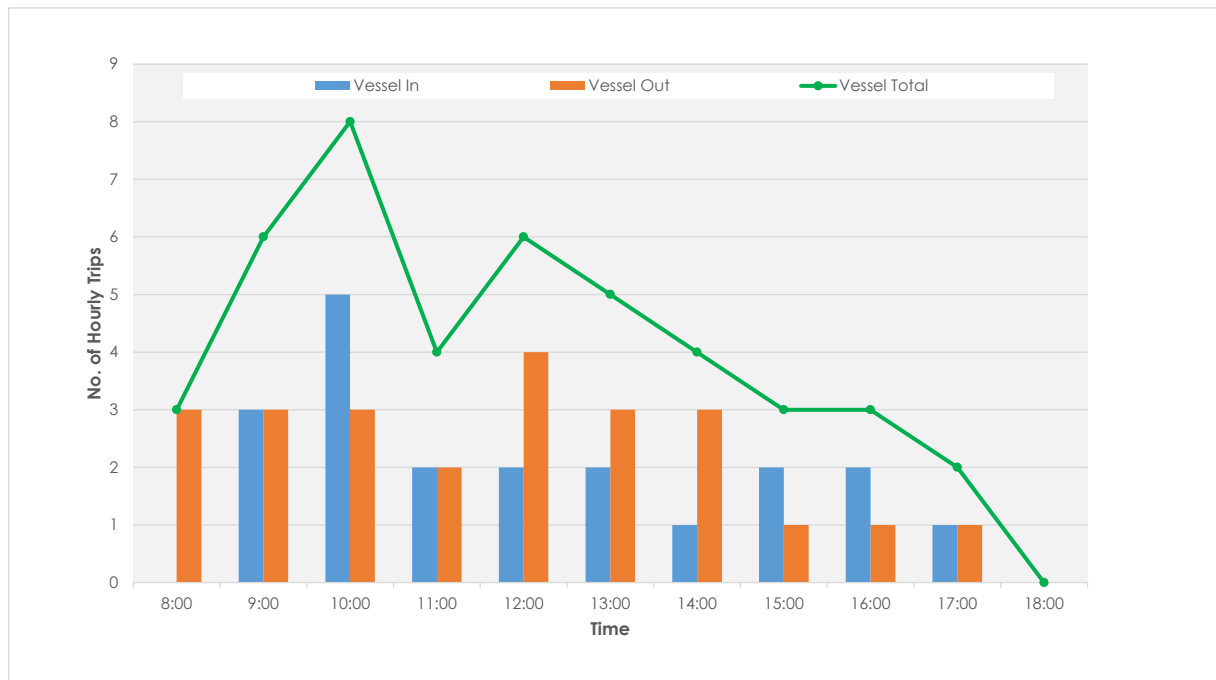


Table 3.63: MA11 Survey Results (Saturday 15-minute data)

Time Period	Vehicle-based Trips					Person-based Trips									Vessel Movements				
	In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied
8:00 to 8:15	1	0	1	29	59%	2	0	2	3	0	3	5	0	5	0	0	0	129	79%
8:15 to 8:30	0	1	1	28	57%	0	2	2	2	1	3	2	3	5	1	0	1	130	80%
8:30 to 8:45	2	0	2	30	61%	5	0	5	4	0	4	9	0	9	0	0	0	130	80%
8:45 to 9:00	0	2	2	28	57%	0	6	6	7	6	13	7	12	19	1	1	2	130	80%
9:00 to 9:15	3	2	5	29	59%	10	2	12	3	2	5	13	4	17	2	0	2	132	81%
9:15 to 9:30	2	2	4	29	59%	3	2	5	4	2	6	7	4	11	1	1	2	132	81%
9:30 to 9:45	6	4	10	31	63%	14	6	20	10	7	17	24	13	37	0	2	2	130	80%
9:45 to 10:00	1	1	2	31	63%	5	4	9	7	4	11	12	8	20	1	1	2	130	80%
10:00 to 10:15	3	0	3	34	69%	3	0	3	8	7	15	11	7	18	0	0	0	130	80%
10:15 to 10:30	2	1	3	35	71%	5	0	5	4	2	6	9	2	11	0	0	0	130	80%
10:30 to 10:45	4	3	7	36	73%	12	7	19	2	4	6	14	11	25	3	1	4	132	81%
10:45 to 11:00	3	6	9	33	67%	5	18	23	4	7	11	9	25	34	1	2	3	131	80%
11:00 to 11:15	4	2	6	35	71%	4	6	10	11	4	15	15	10	25	2	0	2	133	82%
11:15 to 11:30	1	3	4	33	67%	5	3	8	9	7	16	14	10	24	1	1	2	133	82%
11:30 to 11:45	3	0	3	36	73%	4	0	4	6	8	14	10	8	18	0	0	0	133	82%
11:45 to 12:00	1	4	5	33	67%	1	8	9	5	3	8	6	11	17	1	1	2	133	82%
12:00 to 12:15	1	0	1	34	69%	1	0	1	1	4	5	2	4	6	2	3	5	132	81%
12:15 to 12:30	1	2	3	33	67%	2	6	8	7	9	16	9	15	24	0	1	1	131	80%
12:30 to 12:45	4	3	7	34	69%	14	10	24	9	11	20	23	21	44	1	0	1	132	81%
12:45 to 13:00	1	2	3	33	67%	1	7	8	6	7	13	7	14	21	0	0	0	132	81%
13:00 to 13:15	4	0	4	37	76%	7	0	7	2	0	2	9	0	9	0	1	1	131	80%
13:15 to 13:30	5	3	8	39	80%	11	4	15	7	6	13	18	10	28	1	0	1	132	81%
13:30 to 13:45	0	2	2	37	76%	0	2	2	10	9	19	10	11	21	0	2	2	130	80%
13:45 to 14:00	2	0	2	39	80%	2	0	2	8	7	15	10	7	17	0	0	0	130	80%
14:00 to 14:15	1	4	5	36	73%	3	7	10	4	3	7	7	10	17	0	0	0	130	80%
14:15 to 14:30	2	2	4	36	73%	3	10	13	4	1	5	7	11	18	0	1	1	129	79%
14:30 to 14:45	1	2	3	35	71%	1	2	3	2	4	6	3	6	9	1	3	4	127	78%
14:45 to 15:00	1	0	1	36	73%	1	0	1	6	7	13	7	7	14	2	0	2	129	79%
15:00 to 15:15	0	6	6	30	61%	0	12	12	2	0	2	2	12	14	0	2	2	127	78%
15:15 to 15:30	0	4	4	26	53%	0	5	5	4	3	7	4	8	12	1	2	3	126	77%
15:30 to 15:45	0	3	3	23	47%	0	10	10	7	9	16	7	19	26	1	0	1	127	78%
15:45 to 16:00	1	0	1	24	49%	3	0	3	5	4	9	8	4	12	2	1	3	128	79%
16:00 to 16:15	3	5	8	22	45%	3	17	20	7	9	16	10	26	36	1	2	3	127	78%
16:15 to 16:30	1	0	1	23	47%	2	0	2	0	10	10	2	10	12	0	3	3	124	76%
16:30 to 16:45	0	0	0	23	47%	0	0	0	2	4	6	2	4	6	0	0	0	124	76%
16:45 to 17:00	2	2	4	23	47%	5	4	9	3	6	9	8	10	18	1	1	2	124	76%
17:00 to 17:15	0	4	4	19	39%	0	8	8	0	1	1	0	9	9	0	0	0	124	76%
17:15 to 17:30	1	3	4	17	35%	1	6	7	4	2	6	5	8	13	1	0	1	125	77%
17:30 to 17:45	0	0	0	17	35%	0	0	0	0	0	0	0	0	0	0	0	0	125	77%
17:45 to 18:00	0	0	0	17	35%	0	0	0	0	0	0	0	0	0	0	0	0	125	77%
18:00 to 18:15	0	0	0	17	35%	0	0	0	0	0	0	0	0	0	0	0	0	125	77%
18:15 to 18:30	0	0	0	17	35%	0	0	0	0	0	0	0	0	0	0	0	0	125	77%
18:30 to 18:45	0	0	0	17	35%	0	0	0	0	0	0	0	0	0	0	0	0	125	77%
18:45 to 19:00	0	0	0	17	35%	0	0	0	0	0	0	0	0	0	0	0	0	125	77%

Table 3.64: MA11 Survey Results (Saturday hourly data)

Time Period			Vehicle-based Trips					Person-based Trips									Vessel Movements				
			In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied
								In	Out	Total	In	Out	Total	In	Out	Total					
8:00	to	9:00	3	3	6	30	61%	7	8	15	16	7	23	23	15	38	2	1	3	130	80%
8:15	to	9:15	5	5	10	30	61%	15	10	25	16	9	25	31	19	50	4	1	5	132	81%
8:30	to	9:30	7	6	13	30	61%	18	10	28	18	10	28	36	20	56	4	2	6	132	81%
8:45	to	9:45	11	10	21	31	63%	27	16	43	24	17	41	51	33	84	4	4	8	132	81%
9:00	to	10:00	12	9	21	31	63%	32	14	46	24	15	39	56	29	85	4	4	8	132	81%
9:15	to	10:15	12	7	19	34	69%	25	12	37	29	20	49	54	32	86	2	4	6	132	81%
9:30	to	10:30	12	6	18	35	71%	27	10	37	29	20	49	56	30	86	1	3	4	130	80%
9:45	to	10:45	10	5	15	36	73%	25	11	36	21	17	38	46	28	74	4	2	6	132	81%
10:00	to	11:00	12	10	22	36	73%	25	25	50	18	20	38	43	45	88	4	3	7	132	81%
10:15	to	11:15	13	12	25	36	73%	26	31	57	21	17	38	47	48	95	6	3	9	133	82%
10:30	to	11:30	12	14	26	36	73%	26	34	60	26	22	48	52	56	108	7	4	11	133	82%
10:45	to	11:45	11	11	22	36	73%	18	27	45	30	26	56	48	53	101	4	3	7	133	82%
11:00	to	12:00	9	9	18	36	73%	14	17	31	31	22	53	45	39	84	4	2	6	133	82%
11:15	to	12:15	6	7	13	36	73%	11	11	22	21	22	43	32	33	65	4	5	9	133	82%
11:30	to	12:30	6	6	12	36	73%	8	14	22	19	24	43	27	38	65	3	5	8	133	82%
11:45	to	12:45	7	9	16	34	69%	18	24	42	22	27	49	40	51	91	4	5	9	133	82%
12:00	to	13:00	7	7	14	34	69%	18	23	41	23	31	54	41	54	95	3	4	7	132	81%
12:15	to	13:15	10	7	17	37	76%	24	23	47	24	27	51	48	50	98	1	2	3	132	81%
12:30	to	13:30	14	8	22	39	80%	33	21	54	24	24	48	57	45	102	2	1	3	132	81%
12:45	to	13:45	10	7	17	39	80%	19	13	32	25	22	47	44	35	79	1	3	4	132	81%
13:00	to	14:00	11	5	16	39	80%	20	6	26	27	22	49	47	28	75	1	3	4	132	81%
13:15	to	14:15	8	9	17	39	80%	16	13	29	29	25	54	45	38	83	1	2	3	132	81%
13:30	to	14:30	5	8	13	39	80%	8	19	27	26	20	46	34	39	73	0	3	3	130	80%
13:45	to	14:45	6	8	14	39	80%	9	19	28	18	15	33	27	34	61	1	4	5	130	80%
14:00	to	15:00	5	8	13	36	73%	8	19	27	16	15	31	24	34	58	3	4	7	130	80%
14:15	to	15:15	4	10	14	36	73%	5	24	29	14	12	26	19	36	55	3	6	9	129	79%
14:30	to	15:30	2	12	14	36	73%	2	19	21	14	14	28	16	33	49	4	7	11	129	79%
14:45	to	15:45	1	13	14	36	73%	1	27	28	19	19	38	20	46	66	4	4	8	129	79%
15:00	to	16:00	1	13	14	30	61%	3	27	30	18	16	34	21	43	64	4	5	9	128	79%
15:15	to	16:15	4	12	16	26	53%	6	32	38	23	25	48	29	57	86	5	5	10	128	79%
15:30	to	16:30	5	8	13	24	49%	8	27	35	19	32	51	27	59	86	4	6	10	128	79%
15:45	to	16:45	5	5	10	24	49%	8	17	25	14	27	41	22	44	66	3	6	9	128	79%
16:00	to	17:00	6	7	13	23	47%	10	21	31	12	29	41	22	50	72	2	6	8	127	78%
16:15	to	17:15	3	6	9	23	47%	7	12	19	5	21	26	12	33	45	1	4	5	124	76%
16:30	to	17:30	3	9	12	23	47%	6	18	24	9	13	22	15	31	46	2	1	3	125	77%
16:45	to	17:45	3	9	12	23	47%	6	18	24	7	9	16	13	27	40	2	1	3	125	77%
17:00	to	18:00	1	7	8	19	39%	1	14	15	4	3	7	5	17	22	1	0	1	125	77%
17:15	to	18:15	1	3	4	17	35%	1	6	7	4	2	6	5	8	13	1	0	1	125	77%
17:30	to	18:30	0	0	0	17	35%	0	0	0	0	0	0	0	0	0	0	0	0	125	77%
17:45	to	18:45	0	0	0	17	35%	0	0	0	0	0	0	0	0	0	0	0	0	125	77%
18:00	to	19:00	0	0	0	17	35%	0	0	0	0	0	0	0	0	0	0	0	0	125	77%

 Network AM peak hour
 Site peak hour

Figure 3.88: MA11 Survey Results (Saturday) – Vehicle Trips

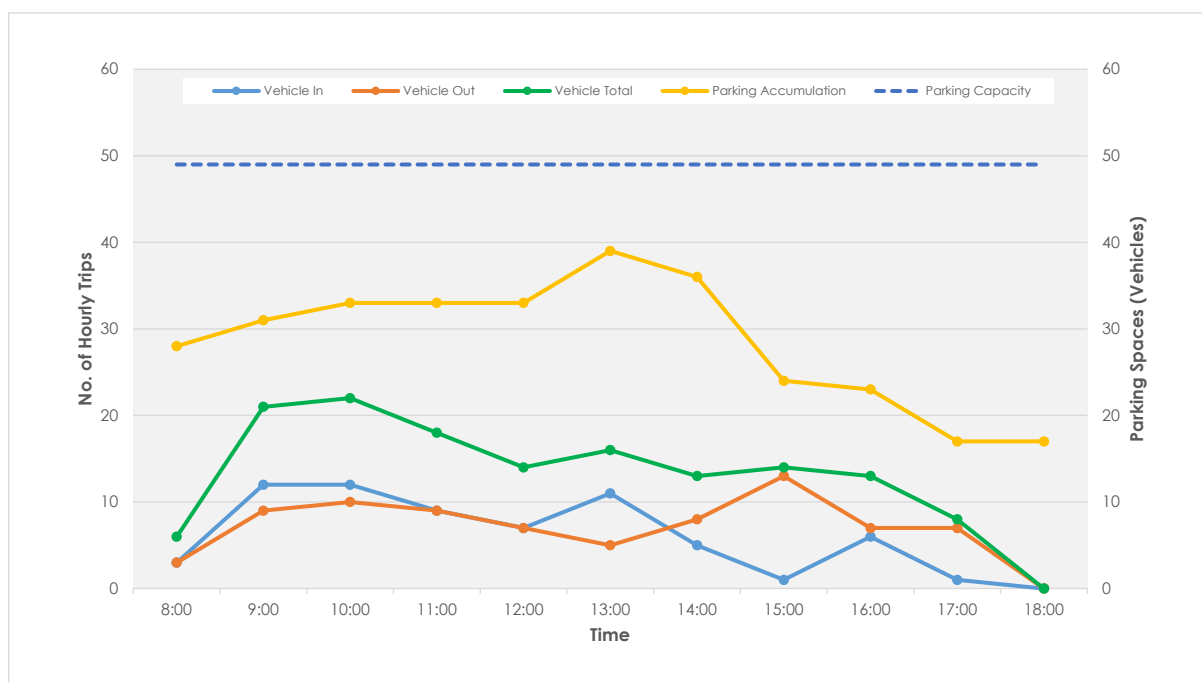


Figure 3.89: MA11 Survey Results (Saturday) – Person Trips

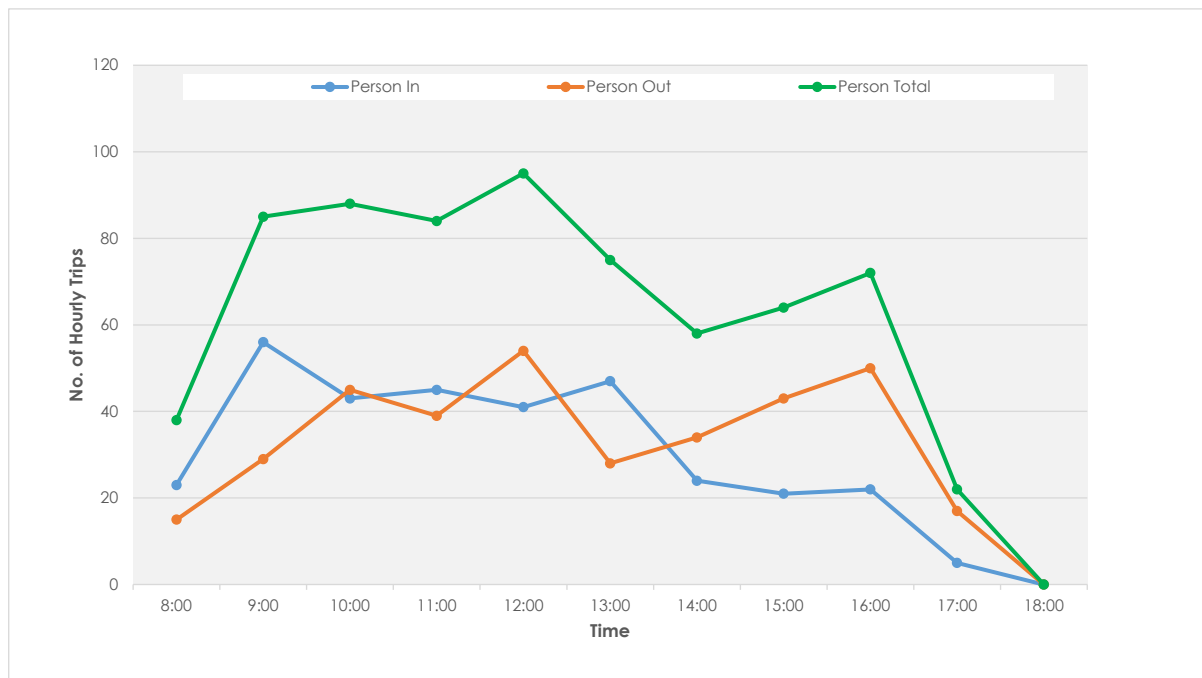


Figure 3.90: MA11 Survey Results (Saturday) – Vessel Movements

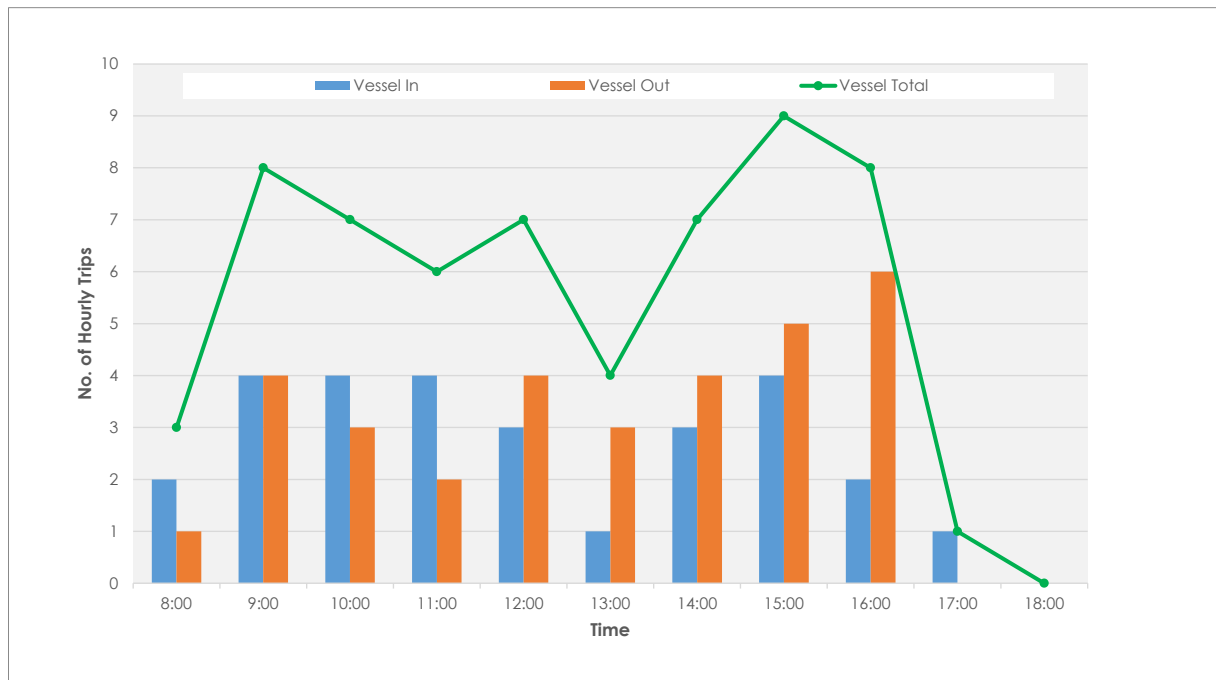


Table 3.65: MA11 Survey Results (Sunday 15-minute data)

Time Period	Vehicle-based Trips					Person-based Trips									Vessel Movements				
	In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied
8:00 to 8:15	0	0	0	25	51%	0	0	0	2	0	2	2	0	2	0	0	0	152	93%
8:15 to 8:30	1	0	1	26	53%	4	0	4	1	0	1	5	0	5	0	0	0	152	93%
8:30 to 8:45	0	1	1	25	51%	0	1	1	0	4	4	0	5	5	0	0	0	152	93%
8:45 to 9:00	2	1	3	26	53%	4	1	5	6	0	6	10	1	11	1	0	1	153	94%
9:00 to 9:15	1	0	1	27	55%	1	0	1	4	2	6	5	2	7	0	0	0	153	94%
9:15 to 9:30	2	2	4	27	55%	6	4	10	3	7	10	9	11	20	0	1	1	152	93%
9:30 to 9:45	0	1	1	26	53%	0	2	2	1	1	2	1	3	4	1	0	1	153	94%
9:45 to 10:00	1	0	1	27	55%	1	0	1	4	2	6	5	2	7	0	0	0	153	94%
10:00 to 10:15	0	0	0	27	55%	2	0	2	2	3	5	4	3	7	0	0	0	153	94%
10:15 to 10:30	1	2	3	26	53%	7	4	11	3	1	4	10	5	15	0	1	1	152	93%
10:30 to 10:45	3	4	7	25	51%	5	10	15	5	6	11	10	16	26	2	1	3	153	94%
10:45 to 11:00	1	0	1	26	53%	2	0	2	2	1	3	4	1	5	0	0	0	153	94%
11:00 to 11:15	0	0	0	26	53%	0	0	0	4	3	7	4	3	7	1	1	2	153	94%
11:15 to 11:30	2	3	5	25	51%	3	7	10	7	6	13	10	13	23	1	0	1	154	94%
11:30 to 11:45	1	0	1	26	53%	4	0	4	6	9	15	10	9	19	0	0	0	154	94%
11:45 to 12:00	1	2	3	25	51%	1	4	5	2	0	2	3	4	7	0	1	1	153	94%
12:00 to 12:15	2	1	3	26	53%	4	4	8	2	3	5	6	7	13	0	0	0	153	94%
12:15 to 12:30	2	3	5	25	51%	3	4	7	3	4	7	6	8	14	0	2	2	151	93%
12:30 to 12:45	3	2	5	26	53%	9	8	17	7	2	9	16	10	26	1	0	1	152	93%
12:45 to 13:00	0	1	1	25	51%	0	1	1	9	12	21	9	13	22	2	0	2	154	94%
13:00 to 13:15	4	2	6	27	55%	11	3	14	5	2	7	16	5	21	0	1	1	153	94%
13:15 to 13:30	2	0	2	29	59%	3	0	3	4	4	8	7	4	11	0	0	0	153	94%
13:30 to 13:45	3	5	8	27	55%	9	14	23	7	7	14	16	21	37	1	1	2	153	94%
13:45 to 14:00	0	0	0	27	55%	0	0	0	5	2	7	5	2	7	0	0	0	153	94%
14:00 to 14:15	3	2	5	28	57%	10	4	14	3	7	10	13	11	24	0	1	1	152	93%
14:15 to 14:30	1	4	5	25	51%	3	11	14	3	1	4	6	12	18	0	0	0	152	93%
14:30 to 14:45	2	1	3	26	53%	4	2	6	0	2	2	4	4	8	1	0	1	153	94%
14:45 to 15:00	0	2	2	24	49%	0	6	6	1	0	1	1	6	7	0	0	0	153	94%
15:00 to 15:15	3	0	3	27	55%	3	0	3	0	0	0	3	0	3	0	0	0	153	94%
15:15 to 15:30	0	4	4	23	47%	0	6	6	0	0	0	0	6	6	1	0	1	154	94%
15:30 to 15:45	1	0	1	24	49%	2	0	2	4	1	5	6	1	7	0	1	1	153	94%
15:45 to 16:00	1	0	1	25	51%	2	0	2	2	8	10	4	8	12	2	0	2	155	95%
16:00 to 16:15	2	2	4	25	51%	2	5	7	3	3	6	5	8	13	1	0	1	156	96%
16:15 to 16:30	0	1	1	24	49%	0	4	4	5	0	5	5	4	9	0	1	1	155	95%
16:30 to 16:45	0	1	1	23	47%	0	2	2	2	2	4	2	4	6	1	0	1	156	96%
16:45 to 17:00	1	2	3	22	45%	4	5	9	0	9	9	4	14	18	0	0	0	156	96%
17:00 to 17:15	1	2	3	21	43%	1	2	3	0	2	2	1	4	5	0	0	0	156	96%
17:15 to 17:30	0	2	2	19	39%	0	4	4	2	4	6	2	8	10	0	0	0	156	96%
17:30 to 17:45	0	0	0	19	39%	0	0	0	0	0	0	0	0	0	0	0	0	156	96%
17:45 to 18:00	0	0	0	19	39%	0	0	0	0	0	0	0	0	0	0	0	0	156	96%
18:00 to 18:15	0	0	0	19	39%	0	0	0	0	0	0	0	0	0	0	0	0	156	96%
18:15 to 18:30	0	0	0	19	39%	0	0	0	0	0	0	0	0	0	0	0	0	156	96%
18:30 to 18:45	0	0	0	19	39%	0	0	0	0	0	0	0	0	0	0	0	0	156	96%
18:45 to 19:00	0	0	0	19	39%	0	0	0	0	0	0	0	0	0	0	0	0	156	96%

Table 3.66: MA11 Survey Results (Sunday hourly data)

Time Period		Vehicle-based Trips					Person-based Trips												Vessel Movements				
		In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied			
							In	Out	Total	In	Out	Total	In	Out	Total								
8:00	to 9:00	3	2	5	26	53%	8	2	10	9	4	13	17	6	23	1	0	1	153	94%			
8:15	to 9:15	4	2	6	27	55%	9	2	11	11	6	17	20	8	28	1	0	1	153	94%			
8:30	to 9:30	5	4	9	27	55%	11	6	17	13	13	26	24	19	43	1	1	2	153	94%			
8:45	to 9:45	5	4	9	27	55%	11	7	18	14	10	24	25	17	42	2	1	3	153	94%			
9:00	to 10:00	4	3	7	27	55%	8	6	14	12	12	24	20	18	38	1	1	2	153	94%			
9:15	to 10:15	3	3	6	27	55%	9	6	15	10	13	23	19	19	38	1	1	2	153	94%			
9:30	to 10:30	2	3	5	27	55%	10	6	16	10	7	17	20	13	33	1	1	2	153	94%			
9:45	to 10:45	5	6	11	27	55%	15	14	29	14	12	26	29	26	55	2	2	4	153	94%			
10:00	to 11:00	5	6	11	27	55%	16	14	30	12	11	23	28	25	53	2	2	4	153	94%			
10:15	to 11:15	5	6	11	26	53%	14	14	28	14	11	25	28	25	53	3	3	6	153	94%			
10:30	to 11:30	6	7	13	26	53%	10	17	27	18	16	34	28	33	61	4	2	6	154	94%			
10:45	to 11:45	4	3	7	26	53%	9	7	16	19	19	38	28	26	54	2	1	3	154	94%			
11:00	to 12:00	4	5	9	26	53%	8	11	19	19	18	37	27	29	56	2	2	4	154	94%			
11:15	to 12:15	6	6	12	26	53%	12	15	27	17	18	35	29	33	62	1	1	2	154	94%			
11:30	to 12:30	6	6	12	26	53%	12	12	24	13	16	29	25	28	53	0	3	3	154	94%			
11:45	to 12:45	8	8	16	26	53%	17	20	37	14	9	23	31	29	60	1	3	4	153	94%			
12:00	to 13:00	7	7	14	26	53%	16	17	33	21	21	42	37	38	75	3	2	5	154	94%			
12:15	to 13:15	9	8	17	27	55%	23	16	39	24	20	44	47	36	83	3	3	6	154	94%			
12:30	to 13:30	9	5	14	29	59%	23	12	35	25	20	45	48	32	80	3	1	4	154	94%			
12:45	to 13:45	9	8	17	29	59%	23	18	41	25	25	50	48	43	91	3	2	5	154	94%			
13:00	to 14:00	9	7	16	29	59%	23	17	40	21	15	36	44	32	76	1	2	3	153	94%			
13:15	to 14:15	8	7	15	29	59%	22	18	40	19	20	39	41	38	79	1	2	3	153	94%			
13:30	to 14:30	7	11	18	28	57%	22	29	51	18	17	35	40	46	86	1	2	3	153	94%			
13:45	to 14:45	6	7	13	28	57%	17	17	34	11	12	23	28	29	57	1	1	2	153	94%			
14:00	to 15:00	6	9	15	28	57%	17	23	40	7	10	17	24	33	57	1	1	2	153	94%			
14:15	to 15:15	6	7	13	27	55%	10	19	29	4	3	7	14	22	36	1	0	1	153	94%			
14:30	to 15:30	5	7	12	27	55%	7	14	21	1	2	3	8	16	24	2	0	2	154	94%			
14:45	to 15:45	4	6	10	27	55%	5	12	17	5	1	6	10	13	23	1	1	2	154	94%			
15:00	to 16:00	5	4	9	27	55%	7	6	13	6	9	15	13	15	28	3	1	4	155	95%			
15:15	to 16:15	4	6	10	25	51%	6	11	17	9	12	21	15	23	38	4	1	5	156	96%			
15:30	to 16:30	4	3	7	25	51%	6	9	15	14	12	26	20	21	41	3	2	5	156	96%			
15:45	to 16:45	3	4	7	25	51%	4	11	15	12	13	25	16	24	40	4	1	5	156	96%			
16:00	to 17:00	3	6	9	25	51%	6	16	22	10	14	24	16	30	46	2	1	3	156	96%			
16:15	to 17:15	2	6	8	24	49%	5	13	18	7	13	20	12	26	38	1	1	2	156	96%			
16:30	to 17:30	2	7	9	23	47%	5	13	18	4	17	21	9	30	39	1	0	1	156	96%			
16:45	to 17:45	2	6	8	22	45%	5	11	16	2	15	17	7	26	33	0	0	0	156	96%			
17:00	to 18:00	1	4	5	21	43%	1	6	7	2	6	8	3	12	15	0	0	0	156	96%			
17:15	to 18:15	0	2	2	19	39%	0	4	4	2	4	6	2	8	10	0	0	0	156	96%			
17:30	to 18:30	0	0	0	19	39%	0	0	0	0	0	0	0	0	0	0	0	0	156	96%			
17:45	to 18:45	0	0	0	19	39%	0	0	0	0	0	0	0	0	0	0	0	0	156	96%			
18:00	to 19:00	0	0	0	19	39%	0	0	0	0	0	0	0	0	0	0	0	0	156	96%			

 Network AM peak hour
 Site peak hour

Figure 3.91: MA11 Survey Results (Sunday) – Vehicle Trips

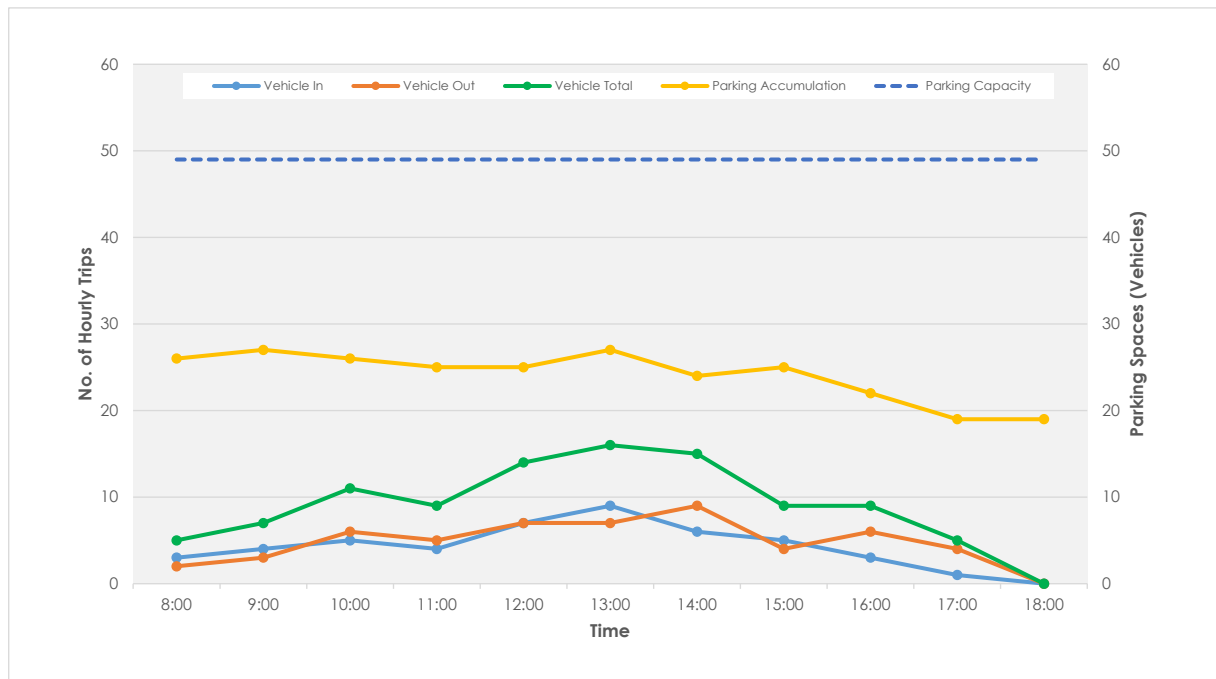


Figure 3.92: MA11 Survey Results (Sunday) – Person Trips

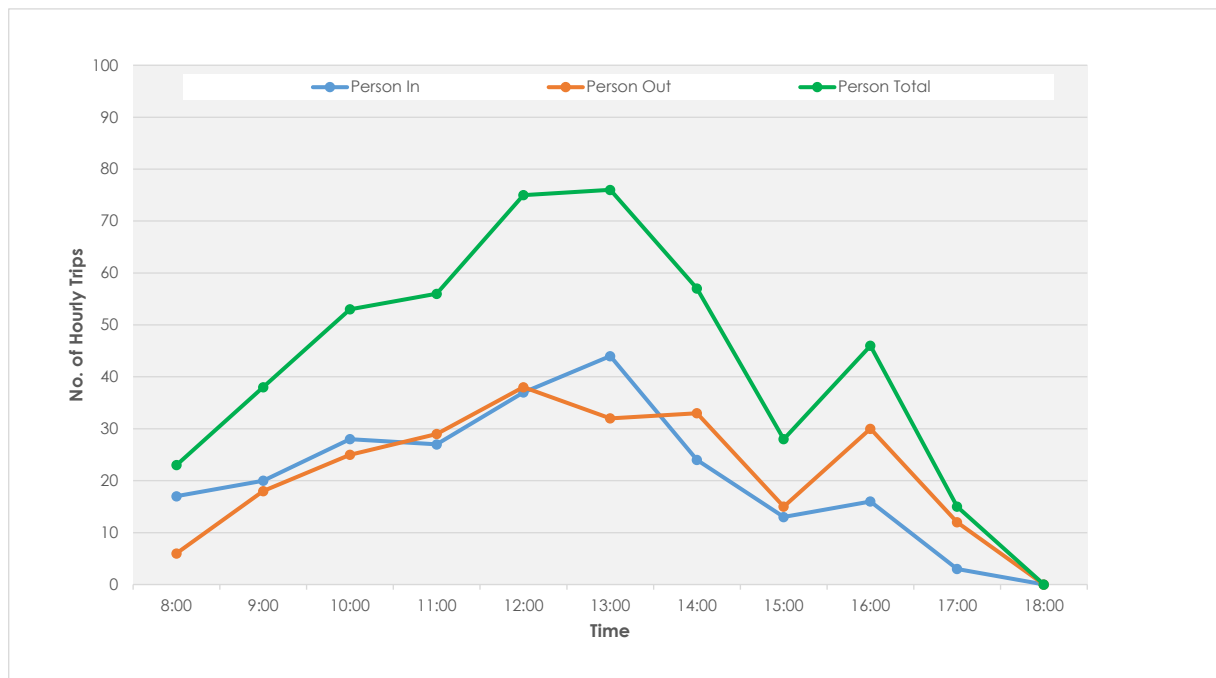
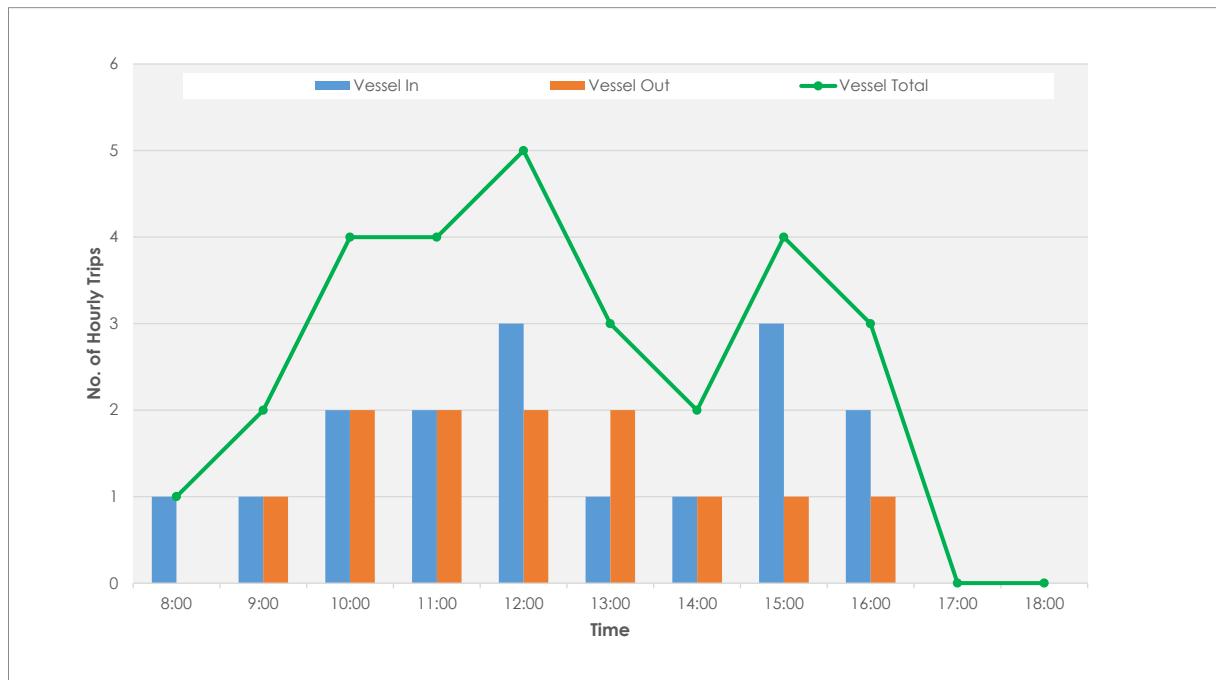


Figure 3.93: MA11 Survey Results (Sunday) – Vessel Movements



3.1.12 MA12 - Koolewong Marina

Table 3.67: MA12 Survey Results (Friday 15-minute data)

Time Period			Vehicle-based Trips					Person-based Trips									Vessel Movements				
			In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied
								In	Out	Total	In	Out	Total	In	Out	Total					
8:00	to	8:15	0	0	0	14	31%	0	0	0	0	0	0	0	0	0	0	0	0	48	96%
8:15	to	8:30	0	0	0	14	31%	0	0	0	0	0	0	0	0	0	0	0	0	48	96%
8:30	to	8:45	0	0	0	14	31%	0	0	0	0	0	0	0	0	0	0	0	0	48	96%
8:45	to	9:00	0	0	0	14	31%	0	0	0	0	0	0	0	0	0	0	0	0	48	96%
9:00	to	9:15	0	1	1	13	29%	0	1	1	0	0	0	0	1	1	0	0	0	48	96%
9:15	to	9:30	2	2	4	13	29%	2	3	5	0	0	0	2	3	5	0	1	1	47	94%
9:30	to	9:45	0	2	2	11	24%	0	2	2	0	0	0	0	2	2	0	0	0	47	94%
9:45	to	10:00	2	1	3	12	27%	2	1	3	0	0	0	2	1	3	0	1	1	46	92%
10:00	to	10:15	0	0	0	12	27%	0	0	0	0	0	0	0	0	0	0	0	0	46	92%
10:15	to	10:30	3	0	3	15	33%	3	0	3	0	0	0	3	0	3	1	0	1	47	94%
10:30	to	10:45	2	0	2	17	38%	3	0	3	0	0	0	3	0	3	0	0	0	47	94%
10:45	to	11:00	1	1	2	17	38%	2	1	3	0	0	0	2	1	3	0	1	1	46	92%
11:00	to	11:15	0	1	1	16	36%	0	1	1	0	0	0	0	1	1	0	0	0	46	92%
11:15	to	11:30	2	0	2	18	40%	4	0	4	0	0	0	4	0	4	0	1	1	45	90%
11:30	to	11:45	2	1	3	19	42%	2	2	4	0	0	0	2	2	4	0	0	0	45	90%
11:45	to	12:00	1	1	2	19	42%	3	1	4	0	0	0	3	1	4	0	0	0	45	90%
12:00	to	12:15	3	2	5	20	44%	7	3	10	0	0	0	7	3	10	0	0	0	45	90%
12:15	to	12:30	2	0	2	22	49%	2	0	2	0	0	0	2	0	2	0	0	0	45	90%
12:30	to	12:45	1	1	2	22	49%	2	2	4	0	0	0	2	2	4	0	0	0	45	90%
12:45	to	13:00	1	3	4	20	44%	1	5	6	0	0	0	1	5	6	0	0	0	45	90%
13:00	to	13:15	2	0	2	22	49%	6	0	6	0	0	0	6	0	6	0	0	0	45	90%
13:15	to	13:30	1	1	2	22	49%	1	1	2	0	0	0	1	1	2	0	0	0	45	90%
13:30	to	13:45	3	2	5	23	51%	5	5	10	0	0	0	5	5	10	0	0	0	45	90%
13:45	to	14:00	2	3	5	22	49%	4	5	9	0	0	0	4	5	9	0	0	0	45	90%
14:00	to	14:15	2	1	3	23	51%	3	2	5	0	0	0	3	2	5	0	0	0	45	90%
14:15	to	14:30	1	0	1	24	53%	1	0	1	0	0	0	1	0	1	1	0	1	46	92%
14:30	to	14:45	2	2	4	24	53%	2	3	5	0	0	0	2	3	5	0	0	0	46	92%
14:45	to	15:00	1	2	3	23	51%	2	4	6	0	0	0	2	4	6	0	0	0	46	92%
15:00	to	15:15	1	2	3	22	49%	3	2	5	0	0	0	3	2	5	0	0	0	46	92%
15:15	to	15:30	2	1	3	23	51%	3	2	5	0	0	0	3	2	5	1	0	1	47	94%
15:30	to	15:45	4	0	4	27	60%	8	0	8	0	0	0	8	0	8	0	0	0	47	94%
15:45	to	16:00	0	2	2	25	56%	0	2	2	0	0	0	0	2	2	0	0	0	47	94%
16:00	to	16:15	1	4	5	22	49%	1	7	8	0	0	0	1	7	8	0	0	0	47	94%
16:15	to	16:30	2	1	3	23	51%	3	1	4	0	0	0	3	1	4	1	0	1	48	96%
16:30	to	16:45	0	2	2	21	47%	0	4	4	0	0	0	0	4	4	1	0	1	49	98%
16:45	to	17:00	1	2	3	20	44%	2	4	6	0	0	0	2	4	6	0	0	0	49	98%
17:00	to	17:15	0	0	0	20	44%	0	0	0	0	0	0	0	0	0	0	0	0	49	98%
17:15	to	17:30	0	0	0	20	44%	0	0	0	0	0	0	0	0	0	0	0	0	49	98%
17:30	to	17:45	0	0	0	20	44%	0	0	0	0	0	0	0	0	0	0	0	0	49	98%
17:45	to	18:00	0	0	0	20	44%	0	0	0	0	0	0	0	0	0	0	0	0	49	98%
18:00	to	18:15	0	0	0	20	44%	0	0	0	0	0	0	0	0	0	0	0	0	49	98%
18:15	to	18:30	0	0	0	20	44%	0	0	0	0	0	0	0	0	0	0	0	0	49	98%
18:30	to	18:45	0	0	0	20	44%	0	0	0	0	0	0	0	0	0	0	0	0	49	98%
18:45	to	19:00	0	0	0	20	44%	0	0	0	0	0	0	0	0	0	0	0	0	49	98%

Table 3.68: MA12 Survey Results (Friday hourly data)

Time Period			Vehicle-based Trips					Person-based Trips									Vessel Movements				
			In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied
								In	Out	Total	In	Out	Total	In	Out	Total					
8:00 to 9:00	0	0	0	14	31%	0	0	0	0	0	0	0	0	0	0	0	0	0	48	96%	
8:15 to 9:15	0	1	1	14	31%	0	1	1	0	0	0	0	1	1	0	0	0	48	96%		
8:30 to 9:30	2	3	5	14	31%	2	4	6	0	0	0	2	4	6	0	1	1	48	96%		
8:45 to 9:45	2	5	7	14	31%	2	6	8	0	0	0	2	6	8	0	1	1	48	96%		
9:00 to 10:00	4	6	10	13	29%	4	7	11	0	0	0	4	7	11	0	2	2	48	96%		
9:15 to 10:15	4	5	9	13	29%	4	6	10	0	0	0	4	6	10	0	2	2	47	94%		
9:30 to 10:30	5	3	8	15	33%	5	3	8	0	0	0	5	3	8	1	1	2	47	94%		
9:45 to 10:45	7	1	8	17	38%	8	1	9	0	0	0	8	1	9	1	1	2	47	94%		
10:00 to 11:00	6	1	7	17	38%	8	1	9	0	0	0	8	1	9	1	1	2	47	94%		
10:15 to 11:15	6	2	8	17	38%	8	2	10	0	0	0	8	2	10	1	1	2	47	94%		
10:30 to 11:30	5	2	7	18	40%	9	2	11	0	0	0	9	2	11	0	2	2	47	94%		
10:45 to 11:45	5	3	8	19	42%	8	4	12	0	0	0	8	4	12	0	2	2	46	92%		
11:00 to 12:00	5	3	8	19	42%	9	4	13	0	0	0	9	4	13	0	1	1	46	92%		
11:15 to 12:15	8	4	12	20	44%	16	6	22	0	0	0	16	6	22	0	1	1	45	90%		
11:30 to 12:30	8	4	12	22	49%	14	6	20	0	0	0	14	6	20	0	0	0	45	90%		
11:45 to 12:45	7	4	11	22	49%	14	6	20	0	0	0	14	6	20	0	0	0	45	90%		
12:00 to 13:00	7	6	13	22	49%	12	10	22	0	0	0	12	10	22	0	0	0	45	90%		
12:15 to 13:15	6	4	10	22	49%	11	7	18	0	0	0	11	7	18	0	0	0	45	90%		
12:30 to 13:30	5	5	10	22	49%	10	8	18	0	0	0	10	8	18	0	0	0	45	90%		
12:45 to 13:45	7	6	13	23	51%	13	11	24	0	0	0	13	11	24	0	0	0	45	90%		
13:00 to 14:00	8	6	14	23	51%	16	11	27	0	0	0	16	11	27	0	0	0	45	90%		
13:15 to 14:15	8	7	15	23	51%	13	13	26	0	0	0	13	13	26	0	0	0	45	90%		
13:30 to 14:30	8	6	14	24	53%	13	12	25	0	0	0	13	12	25	1	0	1	46	92%		
13:45 to 14:45	7	6	13	24	53%	10	10	20	0	0	0	10	10	20	1	0	1	46	92%		
14:00 to 15:00	6	5	11	24	53%	8	9	17	0	0	0	8	9	17	1	0	1	46	92%		
14:15 to 15:15	5	6	11	24	53%	8	9	17	0	0	0	8	9	17	1	0	1	46	92%		
14:30 to 15:30	6	7	13	24	53%	10	11	21	0	0	0	10	11	21	1	0	1	47	94%		
14:45 to 15:45	8	5	13	27	60%	16	8	24	0	0	0	16	8	24	1	0	1	47	94%		
15:00 to 16:00	7	5	12	27	60%	14	6	20	0	0	0	14	6	20	1	0	1	47	94%		
15:15 to 16:15	7	7	14	27	60%	12	11	23	0	0	0	12	11	23	1	0	1	47	94%		
15:30 to 16:30	7	7	14	27	60%	12	10	22	0	0	0	12	10	22	1	0	1	48	96%		
15:45 to 16:45	3	9	12	25	56%	4	14	18	0	0	0	4	14	18	2	0	2	49	98%		
16:00 to 17:00	4	9	13	23	51%	6	16	22	0	0	0	6	16	22	2	0	2	49	98%		
16:15 to 17:15	3	5	8	23	51%	5	9	14	0	0	0	5	9	14	2	0	2	49	98%		
16:30 to 17:30	1	4	5	21	47%	2	8	10	0	0	0	2	8	10	1	0	1	49	98%		
16:45 to 17:45	1	2	3	20	44%	2	4	6	0	0	0	2	4	6	0	0	0	49	98%		
17:00 to 18:00	0	0	0	20	44%	0	0	0	0	0	0	0	0	0	0	0	0	49	98%		
17:15 to 18:15	0	0	0	20	44%	0	0	0	0	0	0	0	0	0	0	0	0	49	98%		
17:30 to 18:30	0	0	0	20	44%	0	0	0	0	0	0	0	0	0	0	0	0	49	98%		
17:45 to 18:45	0	0	0	20	44%	0	0	0	0	0	0	0	0	0	0	0	0	49	98%		
18:00 to 19:00	0	0	0	20	44%	0	0	0	0	0	0	0	0	0	0	0	0	49	98%		

Network AM peak hour
 Network PM peak hour
 Site AM peak hour
 Site PM peak hour
 Site (daily) peak hour

Figure 3.94: MA12 Survey Results (Friday) – Vehicle Trips

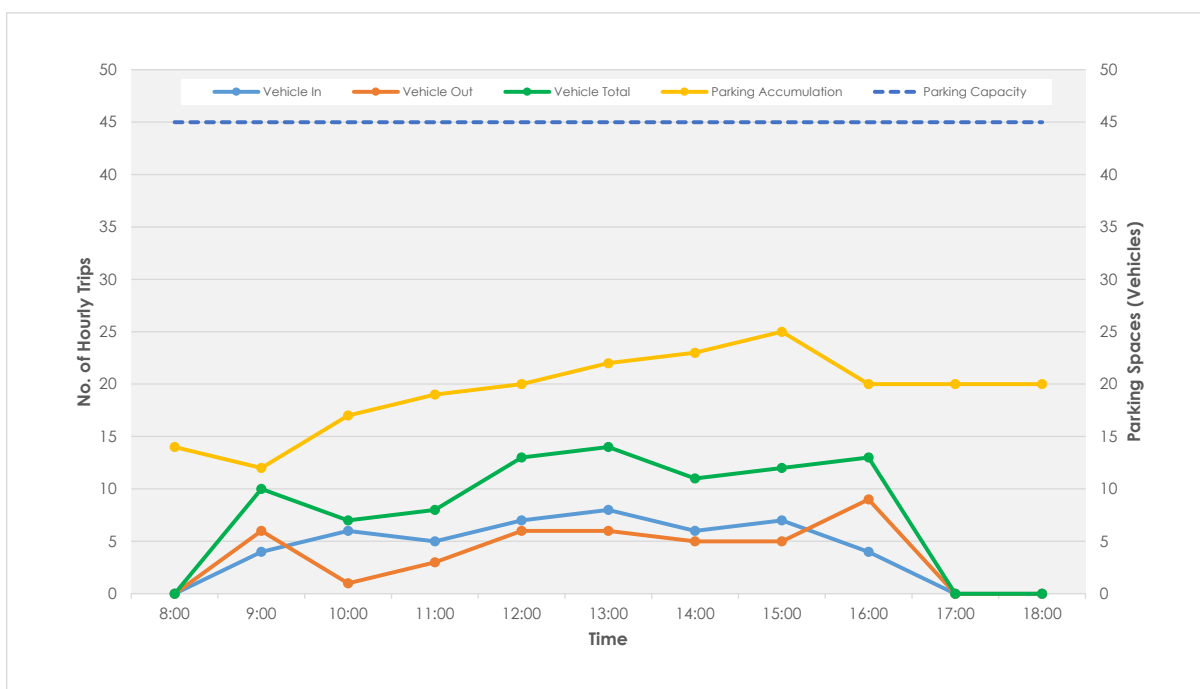


Figure 3.95: MA12 Survey Results (Friday) – Person Trips

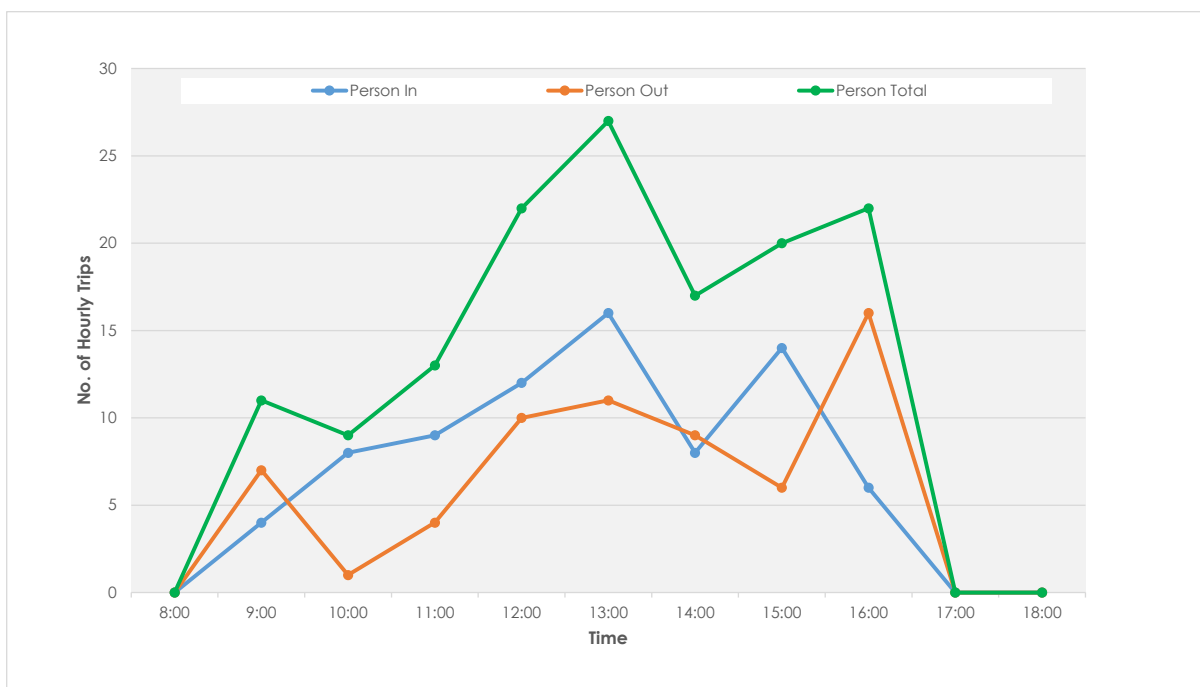


Figure 3.96: MA12 Survey Results (Friday) – Vessel Movements

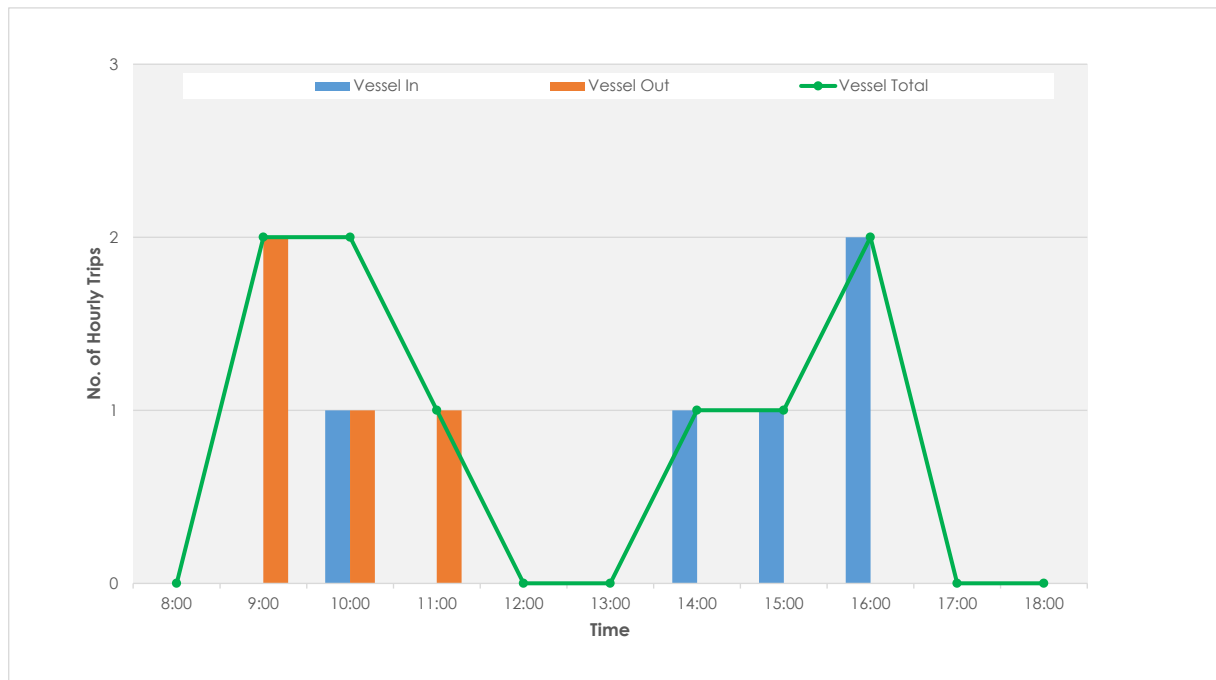


Table 3.69: MA12 Survey Results (Saturday 15-minute data)

Time Period	Vehicle-based Trips					Person-based Trips									Vessel Movements				
	In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied
8:00 to 8:15	0	0	0	11	24%	0	0	0	0	0	0	0	0	0	0	0	0	44	88%
8:15 to 8:30	0	0	0	11	24%	0	0	0	0	0	0	0	0	0	0	0	0	44	88%
8:30 to 8:45	0	0	0	11	24%	0	0	0	0	0	0	0	0	0	0	0	0	44	88%
8:45 to 9:00	0	0	0	11	24%	0	0	0	0	0	0	0	0	0	0	0	0	44	88%
9:00 to 9:15	1	0	1	12	27%	1	0	1	0	0	0	1	0	1	0	0	0	44	88%
9:15 to 9:30	3	0	3	15	33%	4	0	4	0	0	0	4	0	4	0	1	1	43	86%
9:30 to 9:45	2	0	2	17	38%	2	0	2	0	0	0	2	0	2	0	1	1	42	84%
9:45 to 10:00	1	0	1	18	40%	1	0	1	0	0	0	1	0	1	0	0	0	42	84%
10:00 to 10:15	2	2	4	18	40%	2	2	4	0	0	0	2	2	4	0	1	1	41	82%
10:15 to 10:30	0	0	0	18	40%	0	0	0	0	0	0	0	0	0	0	0	0	41	82%
10:30 to 10:45	0	1	1	17	38%	0	2	2	0	0	0	0	2	2	0	1	1	40	80%
10:45 to 11:00	2	0	2	19	42%	3	0	3	0	0	0	3	0	3	0	0	0	40	80%
11:00 to 11:15	1	0	1	20	44%	2	0	2	0	0	0	2	0	2	0	0	0	40	80%
11:15 to 11:30	2	0	2	22	49%	2	0	2	0	0	0	2	0	2	0	0	0	40	80%
11:30 to 11:45	2	2	4	22	49%	4	4	8	0	0	0	4	4	8	0	0	0	40	80%
11:45 to 12:00	1	0	1	23	51%	3	0	3	0	0	0	3	0	3	0	0	0	40	80%
12:00 to 12:15	3	0	3	26	58%	5	0	5	0	0	0	5	0	5	0	0	0	40	80%
12:15 to 12:30	1	1	2	26	58%	2	1	3	0	0	0	2	1	3	1	1	2	40	80%
12:30 to 12:45	2	2	4	26	58%	4	4	8	0	0	0	4	4	8	0	0	0	40	80%
12:45 to 13:00	2	0	2	28	62%	2	0	2	0	0	0	2	0	2	0	0	0	40	80%
13:00 to 13:15	1	3	4	26	58%	2	4	6	0	0	0	2	4	6	0	0	0	40	80%
13:15 to 13:30	3	1	4	28	62%	5	1	6	0	0	0	5	1	6	0	0	0	40	80%
13:30 to 13:45	3	2	5	29	64%	6	4	10	0	0	0	6	4	10	0	0	0	40	80%
13:45 to 14:00	2	0	2	31	69%	4	0	4	0	0	0	4	0	4	0	0	0	40	80%
14:00 to 14:15	2	1	3	32	71%	2	2	4	0	0	0	2	2	4	1	0	1	41	82%
14:15 to 14:30	3	0	3	35	78%	5	0	5	0	0	0	5	0	5	0	0	0	41	82%
14:30 to 14:45	1	2	3	34	76%	2	4	6	0	0	0	2	4	6	1	0	1	42	84%
14:45 to 15:00	0	3	3	31	69%	0	7	7	0	0	0	0	7	7	0	0	0	42	84%
15:00 to 15:15	2	3	5	30	67%	4	5	9	0	0	0	4	5	9	0	0	0	42	84%
15:15 to 15:30	1	1	2	30	67%	1	3	4	0	0	0	1	3	4	0	0	0	42	84%
15:30 to 15:45	2	2	4	30	67%	2	4	6	0	0	0	2	4	6	0	1	1	41	82%
15:45 to 16:00	2	2	4	30	67%	4	3	7	0	0	0	4	3	7	0	0	0	41	82%
16:00 to 16:15	1	1	2	30	67%	2	3	5	0	0	0	2	3	5	0	0	0	41	82%
16:15 to 16:30	2	2	4	30	67%	4	2	6	0	0	0	4	2	6	1	1	2	41	82%
16:30 to 16:45	0	2	2	28	62%	0	2	2	0	0	0	0	2	2	2	0	2	43	86%
16:45 to 17:00	1	3	4	26	58%	2	5	7	0	0	0	2	5	7	0	0	0	43	86%
17:00 to 17:15	0	0	0	26	58%	0	0	0	0	0	0	0	0	0	0	0	0	43	86%
17:15 to 17:30	0	0	0	26	58%	0	0	0	0	0	0	0	0	0	0	0	0	43	86%
17:30 to 17:45	0	0	0	26	58%	0	0	0	0	0	0	0	0	0	0	0	0	43	86%
17:45 to 18:00	0	0	0	26	58%	0	0	0	0	0	0	0	0	0	0	0	0	43	86%
18:00 to 18:15	0	0	0	26	58%	0	0	0	0	0	0	0	0	0	0	0	0	43	86%
18:15 to 18:30	0	0	0	26	58%	0	0	0	0	0	0	0	0	0	0	0	0	43	86%
18:30 to 18:45	0	0	0	26	58%	0	0	0	0	0	0	0	0	0	0	0	0	43	86%
18:45 to 19:00	0	0	0	26	58%	0	0	0	0	0	0	0	0	0	0	0	0	43	86%

Table 3.70: MA12 Survey Results (Saturday hourly data)

Time Period		Vehicle-based Trips					Person-based Trips									Vessel Movements				
		In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied
							In	Out	Total	In	Out	Total	In	Out	Total					
8:00	to 9:00	0	0	0	11	24%	0	0	0	0	0	0	0	0	0	0	0	0	44	88%
8:15	to 9:15	1	0	1	12	27%	1	0	1	0	0	0	1	0	1	0	0	0	44	88%
8:30	to 9:30	4	0	4	15	33%	5	0	5	0	0	0	5	0	5	0	1	1	44	88%
8:45	to 9:45	6	0	6	17	38%	7	0	7	0	0	0	7	0	7	0	2	2	44	88%
9:00	to 10:00	7	0	7	18	40%	8	0	8	0	0	0	8	0	8	0	2	2	44	88%
9:15	to 10:15	8	2	10	18	40%	9	2	11	0	0	0	9	2	11	0	3	3	43	86%
9:30	to 10:30	5	2	7	18	40%	5	2	7	0	0	0	5	2	7	0	2	2	42	84%
9:45	to 10:45	3	3	6	18	40%	3	4	7	0	0	0	3	4	7	0	2	2	42	84%
10:00	to 11:00	4	3	7	19	42%	5	4	9	0	0	0	5	4	9	0	2	2	41	82%
10:15	to 11:15	3	1	4	20	44%	5	2	7	0	0	0	5	2	7	0	1	1	41	82%
10:30	to 11:30	5	1	6	22	49%	7	2	9	0	0	0	7	2	9	0	1	1	40	80%
10:45	to 11:45	7	2	9	22	49%	11	4	15	0	0	0	11	4	15	0	0	0	40	80%
11:00	to 12:00	6	2	8	23	51%	11	4	15	0	0	0	11	4	15	0	0	0	40	80%
11:15	to 12:15	8	2	10	26	58%	14	4	18	0	0	0	14	4	18	0	0	0	40	80%
11:30	to 12:30	7	3	10	26	58%	14	5	19	0	0	0	14	5	19	1	1	2	40	80%
11:45	to 12:45	7	3	10	26	58%	14	5	19	0	0	0	14	5	19	1	1	2	40	80%
12:00	to 13:00	8	3	11	28	62%	13	5	18	0	0	0	13	5	18	1	1	2	40	80%
12:15	to 13:15	6	6	12	28	62%	10	9	19	0	0	0	10	9	19	1	1	2	40	80%
12:30	to 13:30	8	6	14	28	62%	13	9	22	0	0	0	13	9	22	0	0	0	40	80%
12:45	to 13:45	9	6	15	29	64%	15	9	24	0	0	0	15	9	24	0	0	0	40	80%
13:00	to 14:00	9	6	15	31	69%	17	9	26	0	0	0	17	9	26	0	0	0	40	80%
13:15	to 14:15	10	4	14	32	71%	17	7	24	0	0	0	17	7	24	1	0	1	41	82%
13:30	to 14:30	10	3	13	35	78%	17	6	23	0	0	0	17	6	23	1	0	1	41	82%
13:45	to 14:45	8	3	11	35	78%	13	6	19	0	0	0	13	6	19	2	0	2	42	84%
14:00	to 15:00	6	6	12	35	78%	9	13	22	0	0	0	9	13	22	2	0	2	42	84%
14:15	to 15:15	6	8	14	35	78%	11	16	27	0	0	0	11	16	27	1	0	1	42	84%
14:30	to 15:30	4	9	13	34	76%	7	19	26	0	0	0	7	19	26	1	0	1	42	84%
14:45	to 15:45	5	9	14	31	69%	7	19	26	0	0	0	7	19	26	0	1	1	42	84%
15:00	to 16:00	7	8	15	30	67%	11	15	26	0	0	0	11	15	26	0	1	1	42	84%
15:15	to 16:15	6	6	12	30	67%	9	13	22	0	0	0	9	13	22	0	1	1	42	84%
15:30	to 16:30	7	7	14	30	67%	12	12	24	0	0	0	12	12	24	1	2	3	41	82%
15:45	to 16:45	5	7	12	30	67%	10	10	20	0	0	0	10	10	20	3	1	4	43	86%
16:00	to 17:00	4	8	12	30	67%	8	12	20	0	0	0	8	12	20	3	1	4	43	86%
16:15	to 17:15	3	7	10	30	67%	6	9	15	0	0	0	6	9	15	3	1	4	43	86%
16:30	to 17:30	1	5	6	28	62%	2	7	9	0	0	0	2	7	9	2	0	2	43	86%
16:45	to 17:45	1	3	4	26	58%	2	5	7	0	0	0	2	5	7	0	0	0	43	86%
17:00	to 18:00	0	0	0	26	58%	0	0	0	0	0	0	0	0	0	0	0	0	43	86%
17:15	to 18:15	0	0	0	26	58%	0	0	0	0	0	0	0	0	0	0	0	0	43	86%
17:30	to 18:30	0	0	0	26	58%	0	0	0	0	0	0	0	0	0	0	0	0	43	86%
17:45	to 18:45	0	0	0	26	58%	0	0	0	0	0	0	0	0	0	0	0	0	43	86%
18:00	to 19:00	0	0	0	26	58%	0	0	0	0	0	0	0	0	0	0	0	0	43	86%

 Network AM peak hour
 Site peak hour

Figure 3.97: MA12 Survey Results (Saturday) – Vehicle Trips

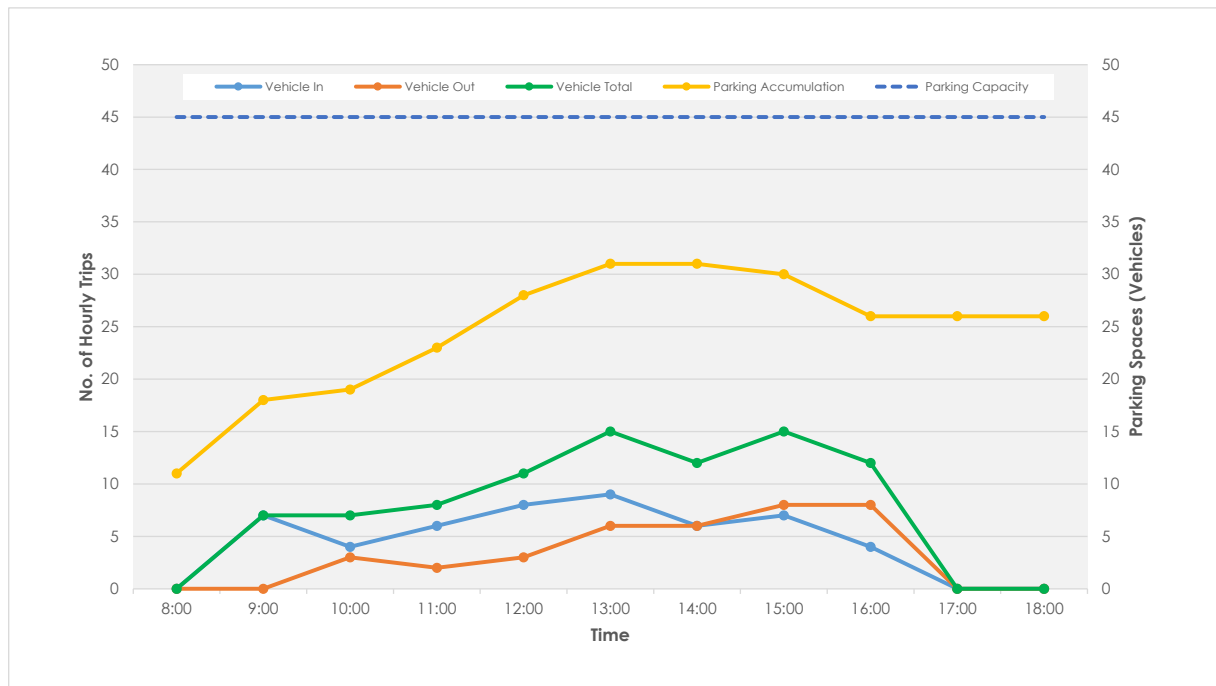


Figure 3.98: MA12 Survey Results (Saturday) – Person Trips

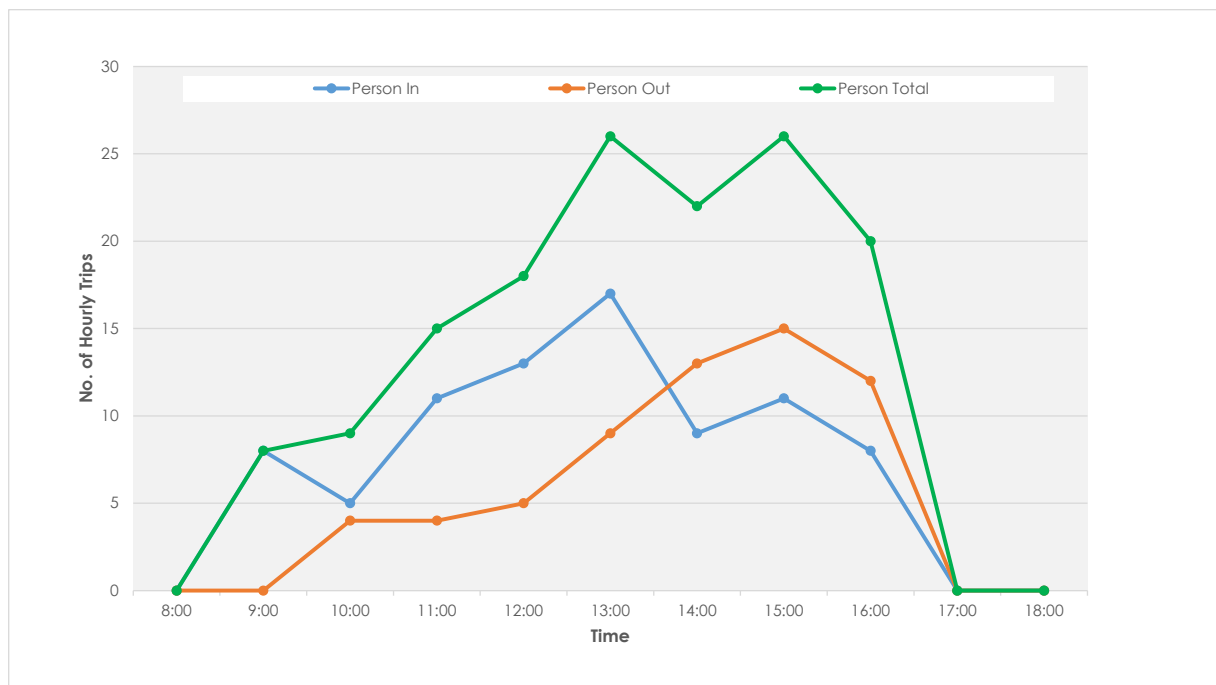


Figure 3.99: MA12 Survey Results (Saturday) – Vessel Movements

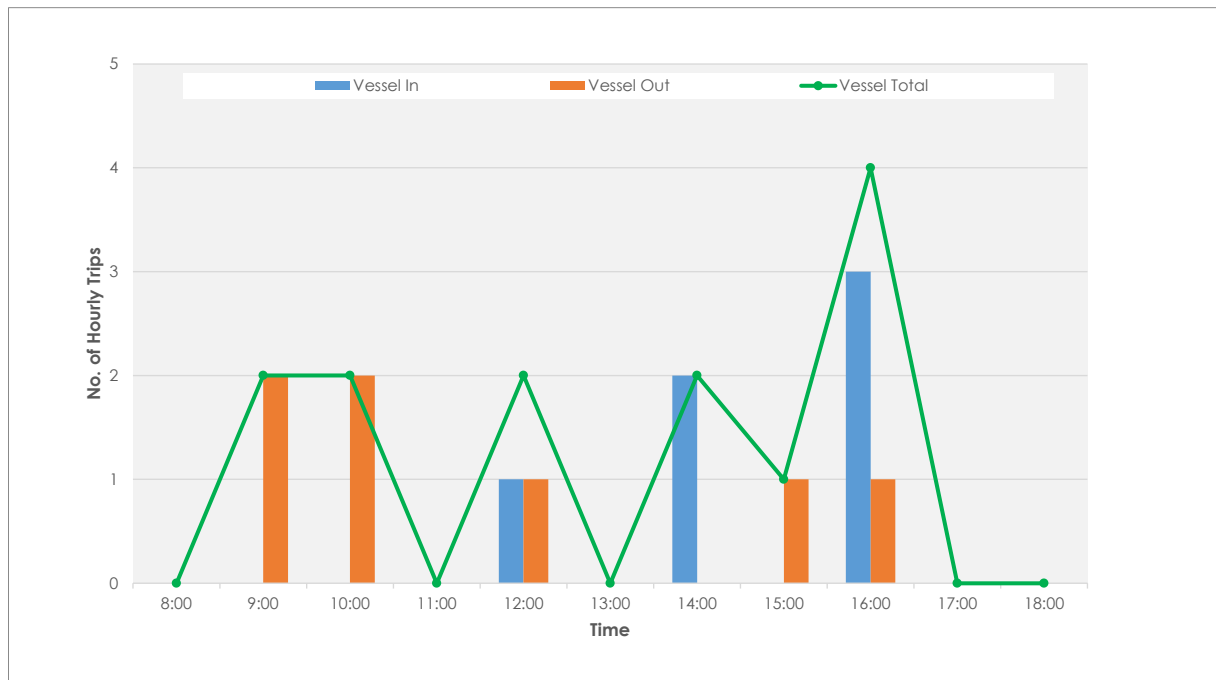


Table 3.71: MA12 Survey Results (Sunday 15-minute data)

Time Period	Vehicle-based Trips					Person-based Trips									Vessel Movements				
	In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied
8:00 to 8:15	0	0	0	9	20%	0	0	0	0	0	0	0	0	0	0	0	0	43	86%
8:15 to 8:30	0	0	0	9	20%	0	0	0	0	0	0	0	0	0	0	0	0	43	86%
8:30 to 8:45	0	0	0	9	20%	0	0	0	0	0	0	0	0	0	0	0	0	43	86%
8:45 to 9:00	0	0	0	9	20%	0	0	0	0	0	0	0	0	0	0	0	0	43	86%
9:00 to 9:15	1	0	1	10	22%	1	0	1	0	0	0	1	0	1	0	0	0	43	86%
9:15 to 9:30	1	0	1	11	24%	1	0	1	0	0	0	1	0	1	0	1	1	42	84%
9:30 to 9:45	2	1	3	12	27%	4	2	6	0	0	0	4	2	6	0	0	0	42	84%
9:45 to 10:00	1	0	1	13	29%	3	0	3	0	0	0	3	0	3	0	1	1	41	82%
10:00 to 10:15	3	0	3	16	36%	3	0	3	0	0	0	3	0	3	0	0	0	41	82%
10:15 to 10:30	2	2	4	16	36%	3	4	7	0	0	0	3	4	7	0	0	0	41	82%
10:30 to 10:45	0	1	1	15	33%	0	1	1	0	0	0	0	1	1	1	1	2	41	82%
10:45 to 11:00	1	0	1	16	36%	4	0	4	0	0	0	4	0	4	0	0	0	41	82%
11:00 to 11:15	2	1	3	17	38%	4	2	6	0	0	0	4	2	6	0	0	0	41	82%
11:15 to 11:30	2	0	2	19	42%	4	0	4	0	0	0	4	0	4	0	0	0	41	82%
11:30 to 11:45	2	0	2	21	47%	2	0	2	0	0	0	2	0	2	1	0	1	42	84%
11:45 to 12:00	3	2	5	22	49%	5	4	9	0	0	0	5	4	9	0	1	1	41	82%
12:00 to 12:15	1	1	2	22	49%	2	3	5	0	0	0	2	3	5	0	0	0	41	82%
12:15 to 12:30	2	0	2	24	53%	5	0	5	0	0	0	5	0	5	1	0	1	42	84%
12:30 to 12:45	1	1	2	24	53%	1	4	5	0	0	0	1	4	5	0	0	0	42	84%
12:45 to 13:00	4	2	6	26	58%	8	3	11	0	0	0	8	3	11	1	1	2	42	84%
13:00 to 13:15	2	0	2	28	62%	4	0	4	0	0	0	4	0	4	0	0	0	42	84%
13:15 to 13:30	1	2	3	27	60%	1	4	5	0	0	0	1	4	5	0	0	0	42	84%
13:30 to 13:45	2	0	2	29	64%	4	0	4	0	0	0	4	0	4	1	1	2	42	84%
13:45 to 14:00	2	1	3	30	67%	5	3	8	0	0	0	5	3	8	0	0	0	42	84%
14:00 to 14:15	3	2	5	31	69%	8	3	11	0	0	0	8	3	11	1	0	1	43	86%
14:15 to 14:30	1	0	1	32	71%	1	0	1	0	0	0	1	0	1	0	0	0	43	86%
14:30 to 14:45	0	3	3	29	64%	0	4	4	0	0	0	0	4	4	0	0	0	43	86%
14:45 to 15:00	1	1	2	29	64%	2	2	4	0	0	0	2	2	4	1	0	1	44	88%
15:00 to 15:15	3	1	4	31	69%	5	1	6	0	0	0	5	1	6	0	0	0	44	88%
15:15 to 15:30	0	3	3	28	62%	0	8	8	0	0	0	0	8	8	0	0	0	44	88%
15:30 to 15:45	2	1	3	29	64%	2	4	6	0	0	0	2	4	6	0	0	0	44	88%
15:45 to 16:00	1	3	4	27	60%	2	4	6	0	0	0	2	4	6	0	0	0	44	88%
16:00 to 16:15	2	2	4	27	60%	3	4	7	0	0	0	3	4	7	0	0	0	44	88%
16:15 to 16:30	2	2	4	27	60%	2	4	6	0	0	0	2	4	6	0	0	0	44	88%
16:30 to 16:45	0	1	1	26	58%	0	2	2	0	0	0	0	2	2	0	0	0	44	88%
16:45 to 17:00	1	2	3	25	56%	2	4	6	0	0	0	2	4	6	0	0	0	44	88%
17:00 to 17:15	0	0	0	25	56%	0	0	0	0	0	0	0	0	0	0	0	0	44	88%
17:15 to 17:30	0	0	0	25	56%	0	0	0	0	0	0	0	0	0	0	0	0	44	88%
17:30 to 17:45	0	0	0	25	56%	0	0	0	0	0	0	0	0	0	0	0	0	44	88%
17:45 to 18:00	0	0	0	25	56%	0	0	0	0	0	0	0	0	0	0	0	0	44	88%
18:00 to 18:15	0	0	0	25	56%	0	0	0	0	0	0	0	0	0	0	0	0	44	88%
18:15 to 18:30	0	0	0	25	56%	0	0	0	0	0	0	0	0	0	0	0	0	44	88%
18:30 to 18:45	0	0	0	25	56%	0	0	0	0	0	0	0	0	0	0	0	0	44	88%
18:45 to 19:00	0	0	0	25	56%	0	0	0	0	0	0	0	0	0	0	0	0	44	88%

Table 3.72: MA12 Survey Results (Sunday hourly data)

Time Period		Vehicle-based Trips					Person-based Trips									Vessel Movements				
		In	Out	Total	Max Accumulation	% Occupied	Car Occupants			Others			Total			In	Out	Total	Max Accumulation	% Occupied
							In	Out	Total	In	Out	Total	In	Out	Total					
8:00	to 9:00	0	0	0	9	20%	0	0	0	0	0	0	0	0	0	0	0	0	43	86%
8:15	to 9:15	1	0	1	10	22%	1	0	1	0	0	0	1	0	1	0	0	0	43	86%
8:30	to 9:30	2	0	2	11	24%	2	0	2	0	0	0	2	0	2	0	1	1	43	86%
8:45	to 9:45	4	1	5	12	27%	6	2	8	0	0	0	6	2	8	0	1	1	43	86%
9:00	to 10:00	5	1	6	13	29%	9	2	11	0	0	0	9	2	11	0	2	2	43	86%
9:15	to 10:15	7	1	8	16	36%	11	2	13	0	0	0	11	2	13	0	2	2	42	84%
9:30	to 10:30	8	3	11	16	36%	13	6	19	0	0	0	13	6	19	0	1	1	42	84%
9:45	to 10:45	6	3	9	16	36%	9	5	14	0	0	0	9	5	14	1	2	3	41	82%
10:00	to 11:00	6	3	9	16	36%	10	5	15	0	0	0	10	5	15	1	1	2	41	82%
10:15	to 11:15	5	4	9	17	38%	11	7	18	0	0	0	11	7	18	1	1	2	41	82%
10:30	to 11:30	5	2	7	19	42%	12	3	15	0	0	0	12	3	15	1	1	2	41	82%
10:45	to 11:45	7	1	8	21	47%	14	2	16	0	0	0	14	2	16	1	0	1	42	84%
11:00	to 12:00	9	3	12	22	49%	15	6	21	0	0	0	15	6	21	1	1	2	42	84%
11:15	to 12:15	8	3	11	22	49%	13	7	20	0	0	0	13	7	20	1	1	2	42	84%
11:30	to 12:30	8	3	11	24	53%	14	7	21	0	0	0	14	7	21	2	1	3	42	84%
11:45	to 12:45	7	4	11	24	53%	13	11	24	0	0	0	13	11	24	1	1	2	42	84%
12:00	to 13:00	8	4	12	26	58%	16	10	26	0	0	0	16	10	26	2	1	3	42	84%
12:15	to 13:15	9	3	12	28	62%	18	7	25	0	0	0	18	7	25	2	1	3	42	84%
12:30	to 13:30	8	5	13	28	62%	14	11	25	0	0	0	14	11	25	1	1	2	42	84%
12:45	to 13:45	9	4	13	29	64%	17	7	24	0	0	0	17	7	24	2	2	4	42	84%
13:00	to 14:00	7	3	10	30	67%	14	7	21	0	0	0	14	7	21	1	1	2	42	84%
13:15	to 14:15	8	5	13	31	69%	18	10	28	0	0	0	18	10	28	2	1	3	43	86%
13:30	to 14:30	8	3	11	32	71%	18	6	24	0	0	0	18	6	24	2	1	3	43	86%
13:45	to 14:45	6	6	12	32	71%	14	10	24	0	0	0	14	10	24	1	0	1	43	86%
14:00	to 15:00	5	6	11	32	71%	11	9	20	0	0	0	11	9	20	2	0	2	44	88%
14:15	to 15:15	5	5	10	32	71%	8	7	15	0	0	0	8	7	15	1	0	1	44	88%
14:30	to 15:30	4	8	12	31	69%	7	15	22	0	0	0	7	15	22	1	0	1	44	88%
14:45	to 15:45	6	6	12	31	69%	9	15	24	0	0	0	9	15	24	1	0	1	44	88%
15:00	to 16:00	6	8	14	31	69%	9	17	26	0	0	0	9	17	26	0	0	0	44	88%
15:15	to 16:15	5	9	14	29	64%	7	20	27	0	0	0	7	20	27	0	0	0	44	88%
15:30	to 16:30	7	8	15	29	64%	9	16	25	0	0	0	9	16	25	0	0	0	44	88%
15:45	to 16:45	5	8	13	27	60%	7	14	21	0	0	0	7	14	21	0	0	0	44	88%
16:00	to 17:00	5	7	12	27	60%	7	14	21	0	0	0	7	14	21	0	0	0	44	88%
16:15	to 17:15	3	5	8	27	60%	4	10	14	0	0	0	4	10	14	0	0	0	44	88%
16:30	to 17:30	1	3	4	26	58%	2	6	8	0	0	0	2	6	8	0	0	0	44	88%
16:45	to 17:45	1	2	3	25	56%	2	4	6	0	0	0	2	4	6	0	0	0	44	88%
17:00	to 18:00	0	0	0	25	56%	0	0	0	0	0	0	0	0	0	0	0	0	44	88%
17:15	to 18:15	0	0	0	25	56%	0	0	0	0	0	0	0	0	0	0	0	0	44	88%
17:30	to 18:30	0	0	0	25	56%	0	0	0	0	0	0	0	0	0	0	0	0	44	88%
17:45	to 18:45	0	0	0	25	56%	0	0	0	0	0	0	0	0	0	0	0	0	44	88%
18:00	to 19:00	0	0	0	25	56%	0	0	0	0	0	0	0	0	0	0	0	0	44	88%

 Network AM peak hour
 Site peak hour

Figure 3.100: MA12 Survey Results (Sunday) – Vehicle Trips

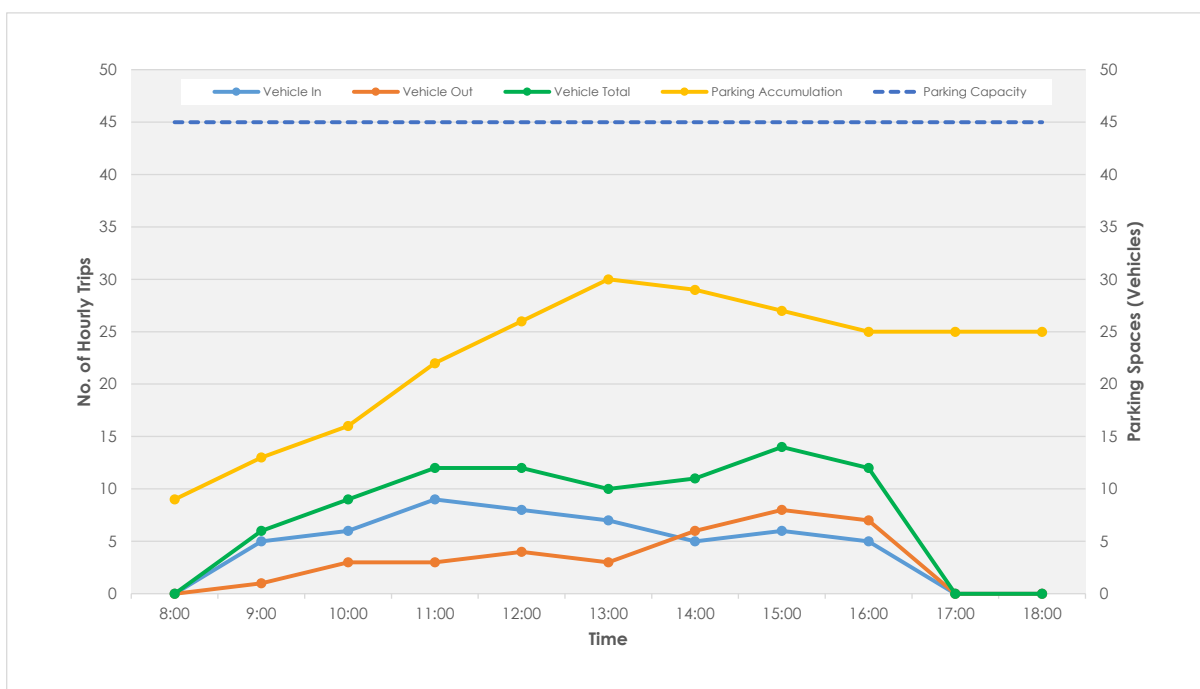


Figure 3.101: MA12 Survey Results (Sunday) – Person Trips

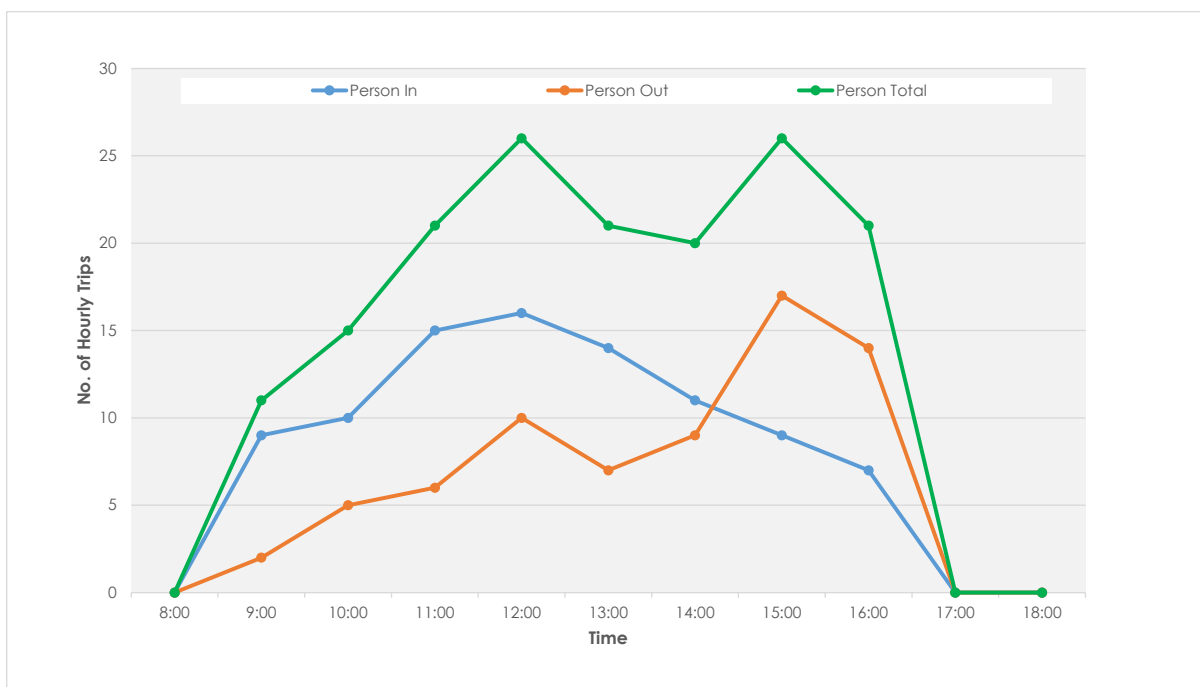
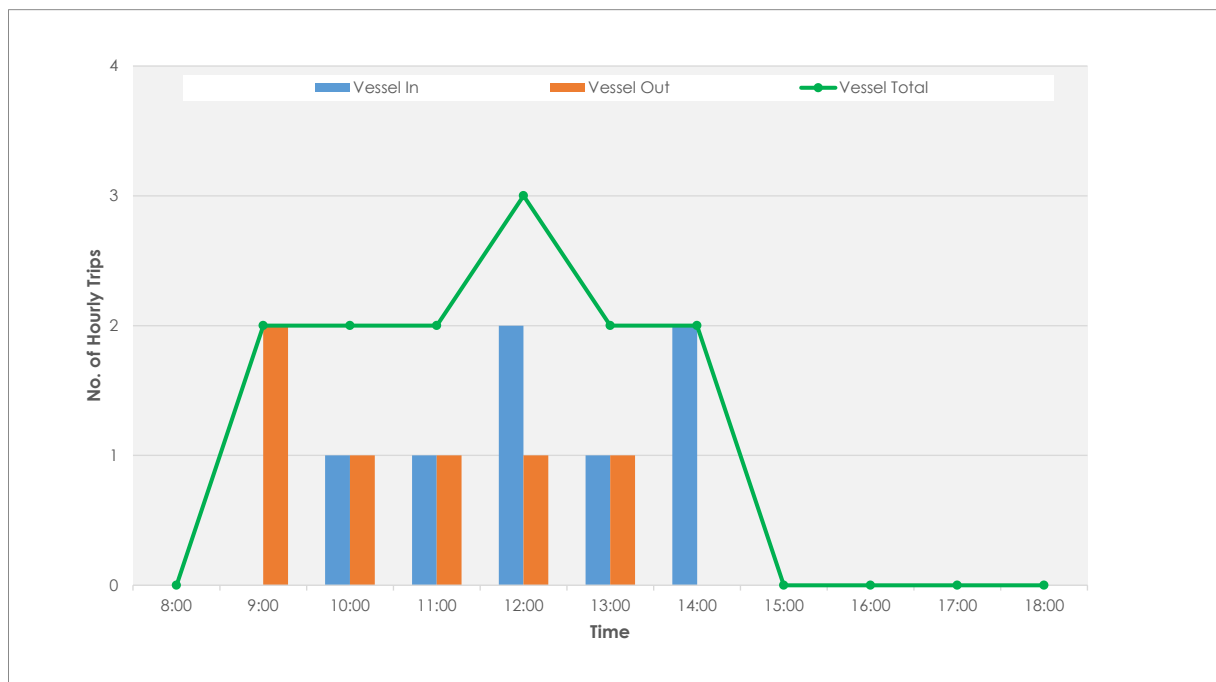


Figure 3.102: MA12 Survey Results (Sunday) – Vessel Movements



3.2 Travel Patterns

Surveyors were assigned on site to observe the travel patterns of marinas' staff and visitors. The purpose of the site observations is to establish the following travel behaviours:

- purpose of travel (i.e. staff, visitor, others),
- mode of travel,
- parking location,
- car occupancy, and
- vessel location.

The number of observations at each site is summarised in Table 3.73 and Figure 3.103.

Table 3.73: Number of Observations per Site

Site ID	Marinas	No. of Observations (sample size)			
		Friday	Saturday	Sunday	Total
MA01	Royal Motor Yacht Club, Broken Bay	218	102	99	419
MA02	Burraneer Bay Marina	25	18	18	61
MA03	D'Albora Marina Cabarita Point	24	44	56	124
MA04	Clontarf Marina	24	27	57	108
MA05	Royal Motor Yacht Club, Port Hacking	89	75	82	246
MA06	Double Bay Marina	44	54	12	110
MA07	Woolwich Marina	15	17	12	44
MA08	Sydney Superyacht Marina	35	33	32	100
MA09	Coffs Harbour Marina	116	147	199	462
MA10	Port Macquarie Marina	72	83	59	214
MA11	Soldiers Point Marina	100	85	52	237
MA12	Koolewong Marina	47	51	50	148
Total		809	736	728	2,273

Figure 3.103: Number of Observations per Day

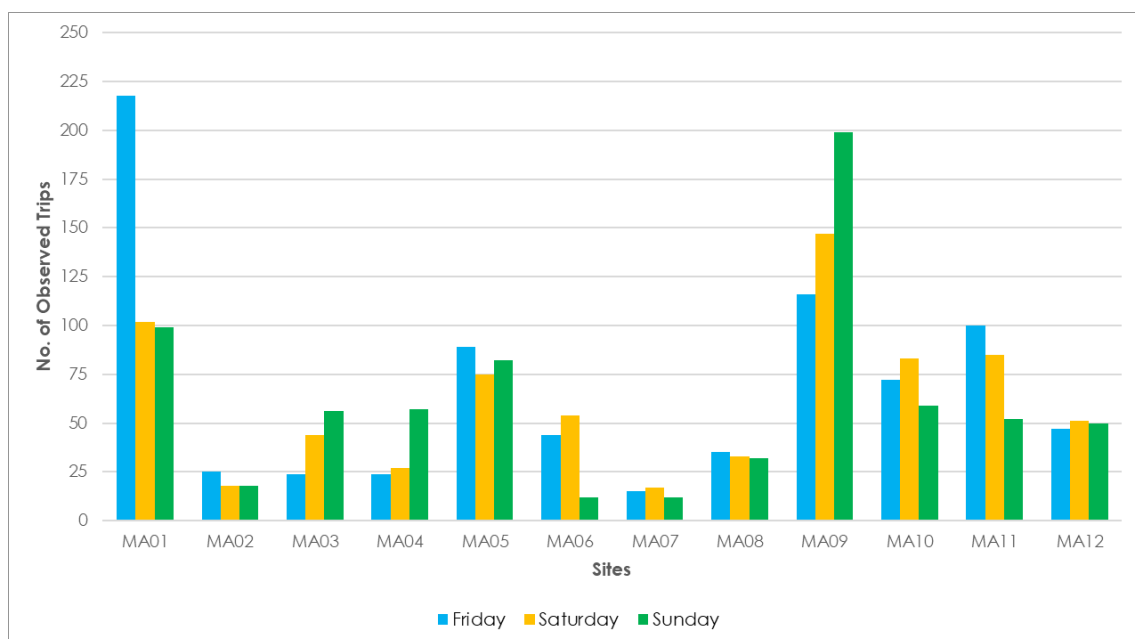
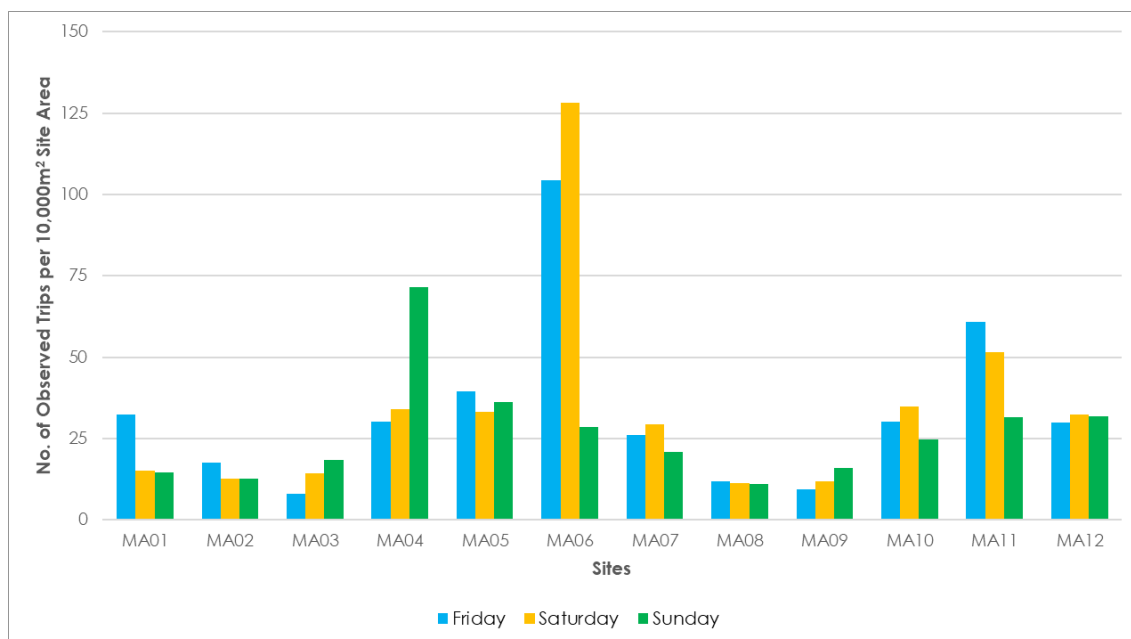


Figure 3.104: Number of Observations per 10,000m² Site Area



A total of 2,273 observations have been recorded throughout the survey period. It can be seen from Figure 3.103 that the most data was collected at Royal Motor Yacht Club, Broken Bay during the Friday survey, with 218 samples collected.

However, Figure 3.104 indicates that the highest number of samples collected in relation to site area was from Double Bay Marina.

The following sections summarise the results obtained from the site observations. The results are presented for each survey day and the total data collected throughout the survey period ("overall").

3.2.1 Purpose of Travel

Figure 3.105: Site Observations (Friday) – Purpose of Travel

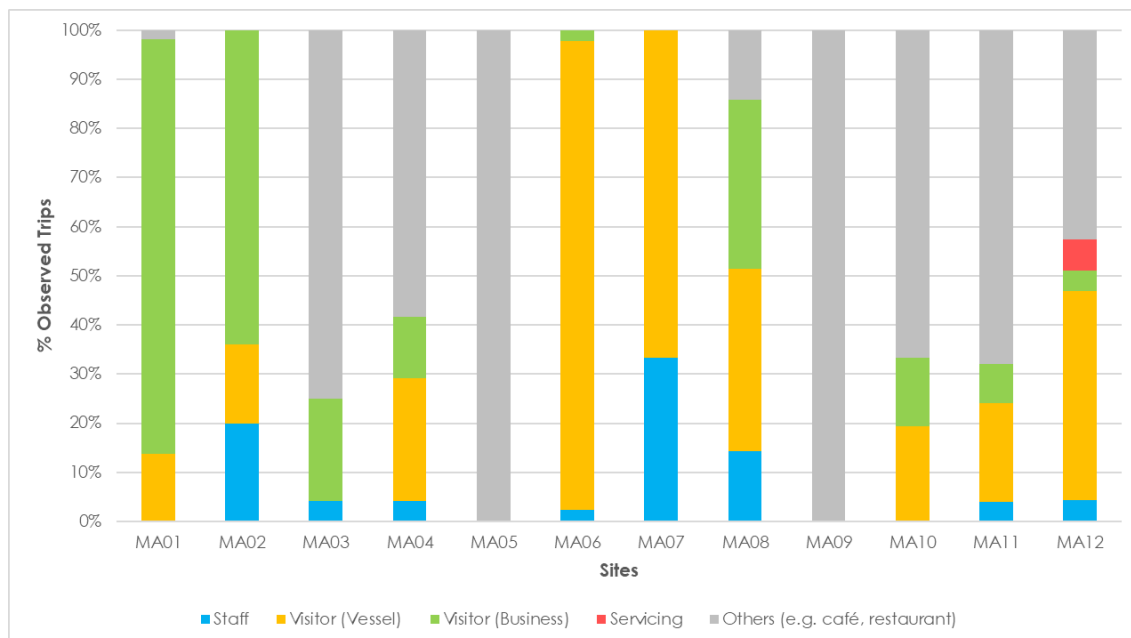


Figure 3.106: Site Observations (Saturday) – Purpose of Travel

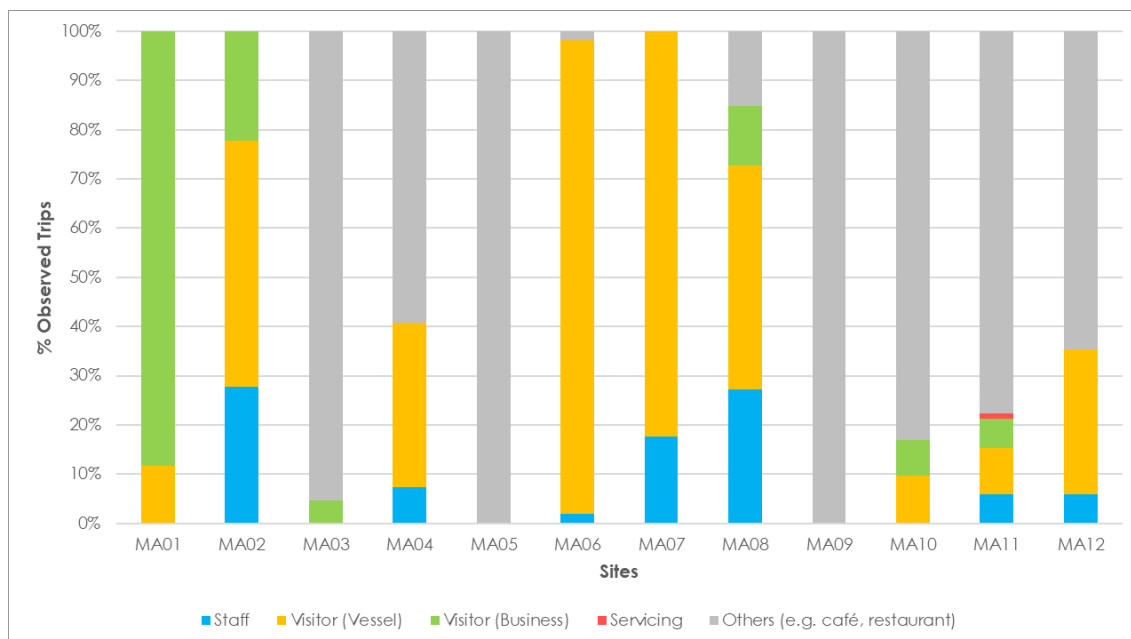


Figure 3.107: Site Observations (Sunday) – Purpose of Travel

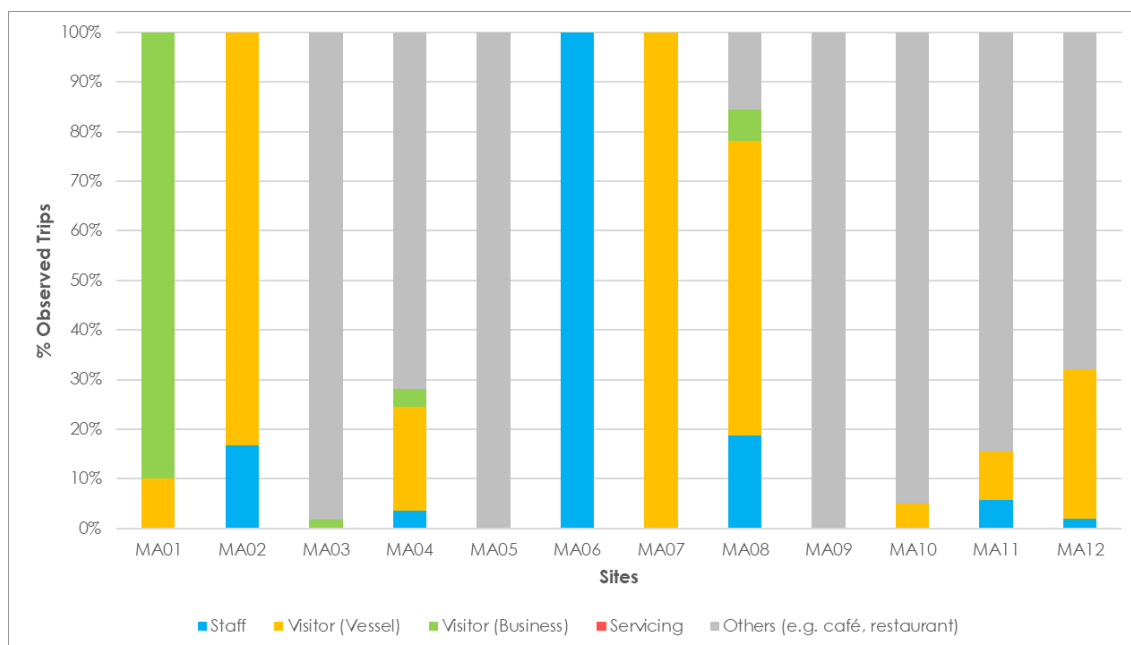
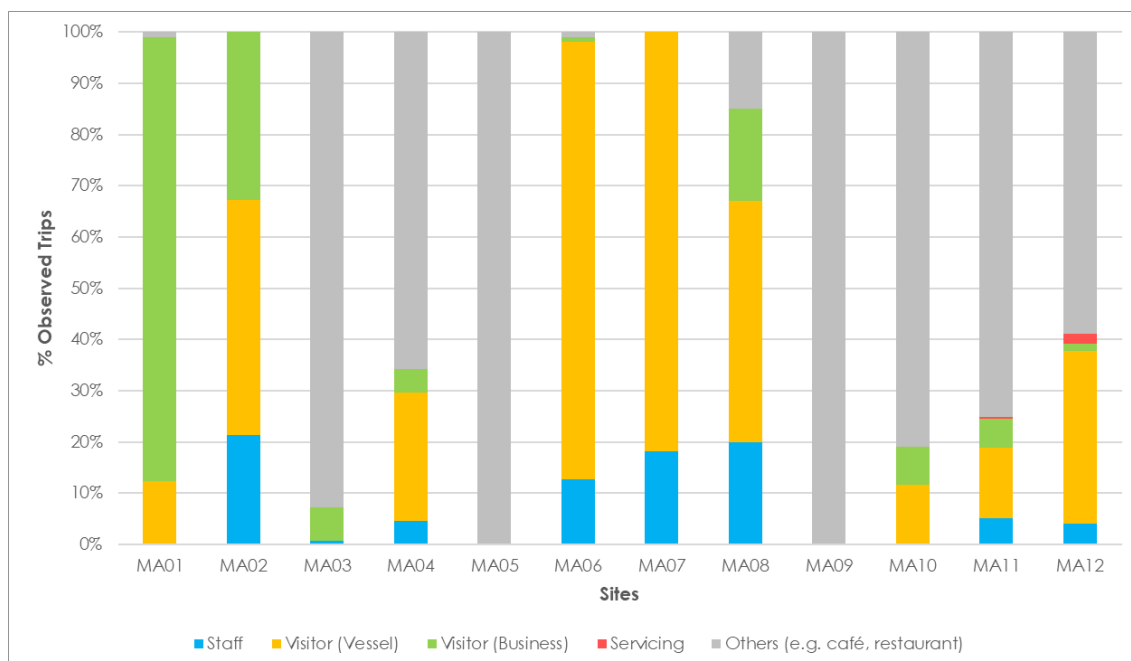


Figure 3.108: Site Observations (Overall) – Purpose of Travel



The results indicate that most of the data obtained at MA01, MA02, MA06, MA07 and MA08 throughout the survey period are collected from site visitors accessing vessels or business offices.

On the other hand, the data obtained at the rest of the marinas are generally from people who visited the marina's other facilities (e.g. café, restaurant). Particularly, all the samples

obtained at Royal Motor Yacht Club, Port Hacking (MA05) and Coffs Harbour Marina (MA09) are from people who visited the restaurants/café's on site or the nearby beach.

3.2.2 Mode of Travel

Figure 3.109: Site Observations (Friday) – Mode of Travel

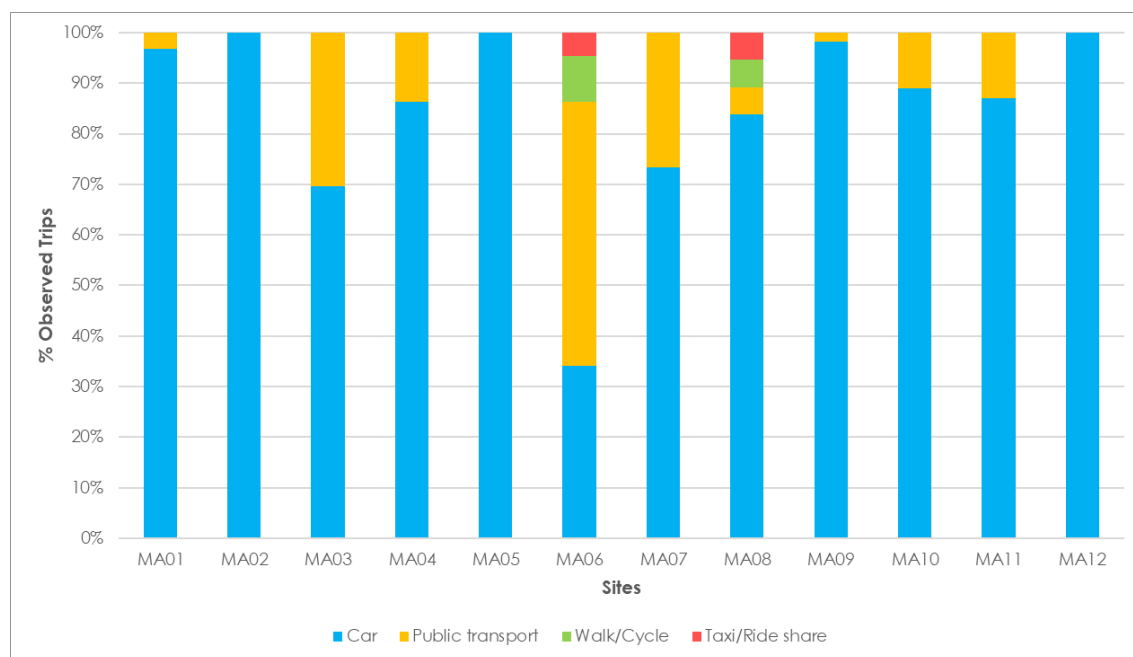


Figure 3.110: Site Observations (Saturday) – Mode of Travel

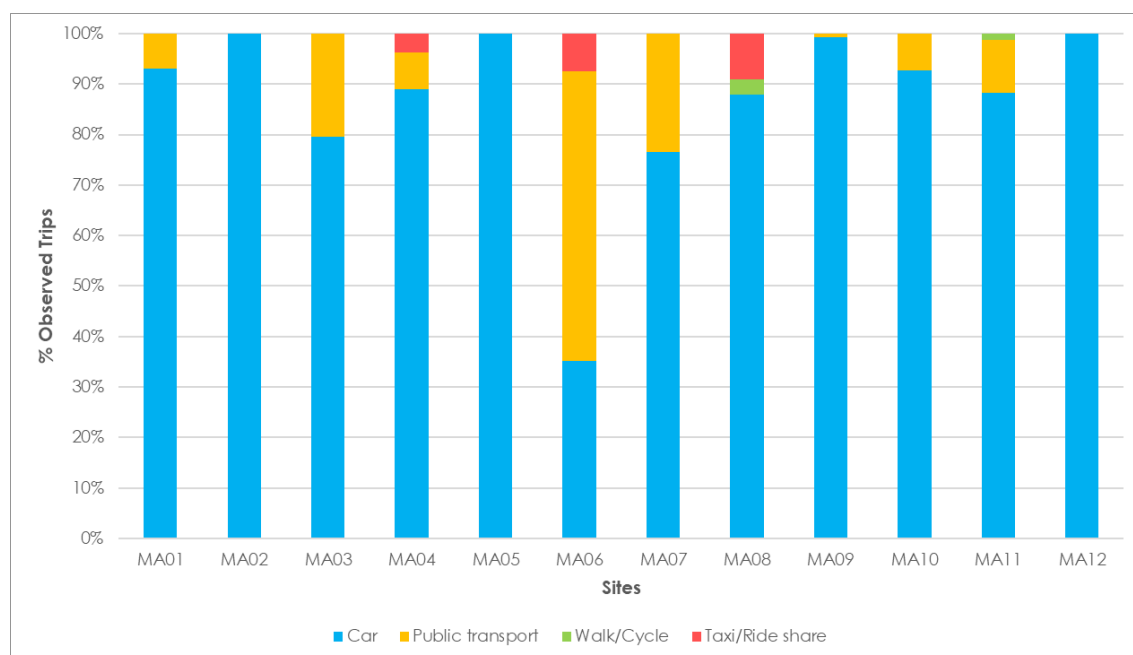


Figure 3.111: Site Observations (Sunday) – Mode of Travel

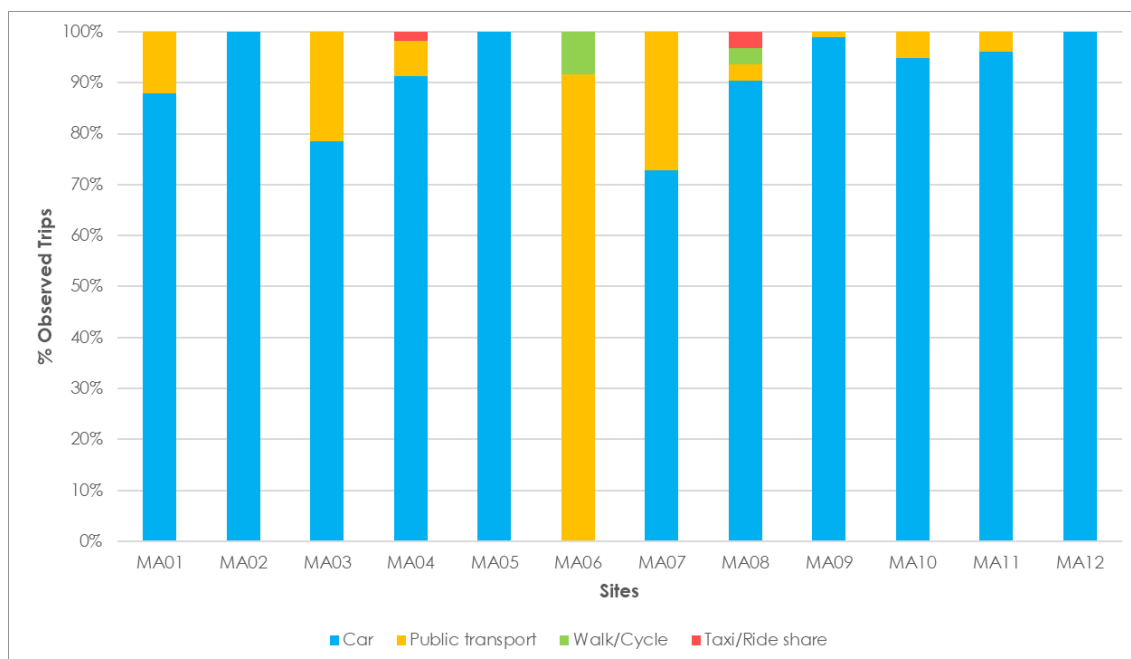
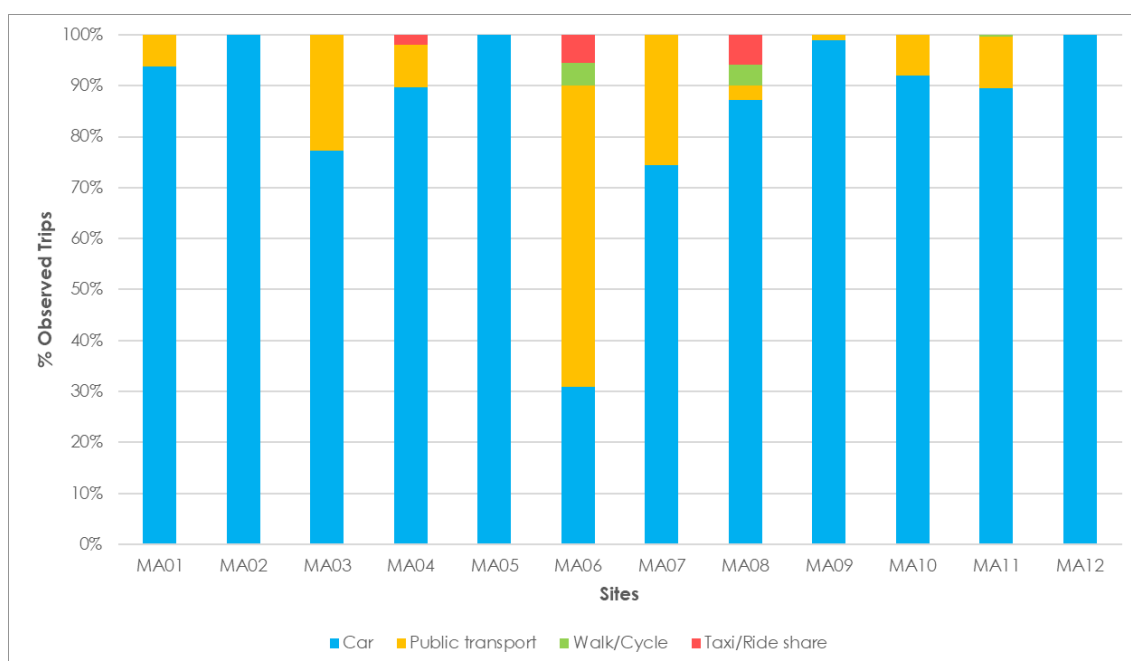


Figure 3.112: Site Observations (Overall) – Mode of Travel



As shown on the above tables, the primary mode of travel to/from the marina is via private car, with the exception of Double Bay Marina (MA06). These results are anticipated since marinas are not typically located near high frequency public transport facilities.

Specifically, all the observations at Burraneer Bay Marina (MA02), Royal Motor Yacht Club, Port Hacking (MA05) and Koolewong Marina (MA12) were noted with 100% arrival by car.

Both MA02 and MA05 are only serviced by one bus route. Similarly, there are no public transport facilities in the vicinity of MA12. As such, a high car usage is expected at these sites.

In the case of Double Bay Marina (MA06), majority of the observed trips are via public transport. Lack of on-site parking and implementation of time restriction on on-street parking could be the main reasons why the car use is comparably lower at this site.

3.2.3 Vehicle Parking Location

Figure 3.113: Site Observations (Friday) – Vehicle Parking Location

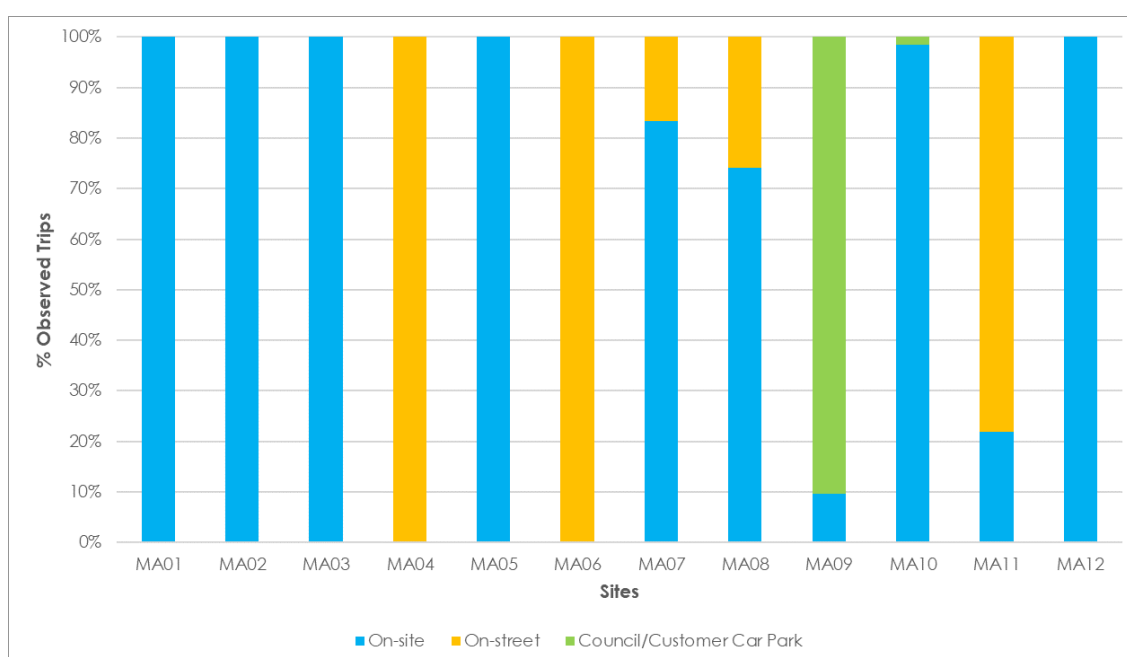


Figure 3.114: Site Observations (Saturday) – Vehicle Parking Location

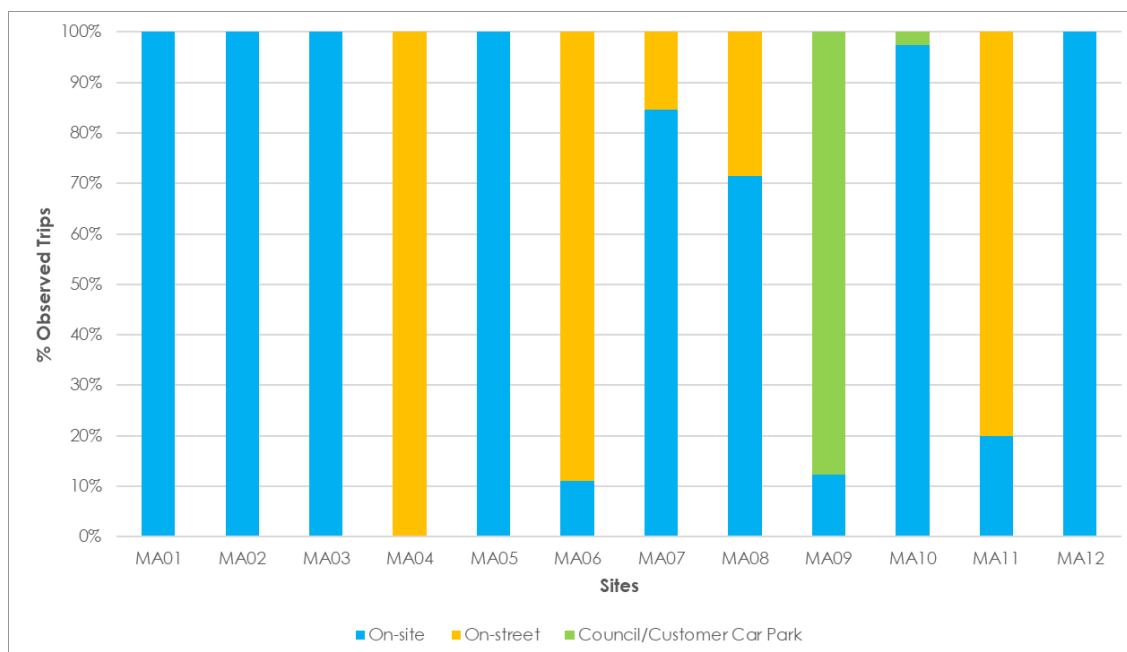


Figure 3.115: Site Observations (Sunday) – Vehicle Parking Location

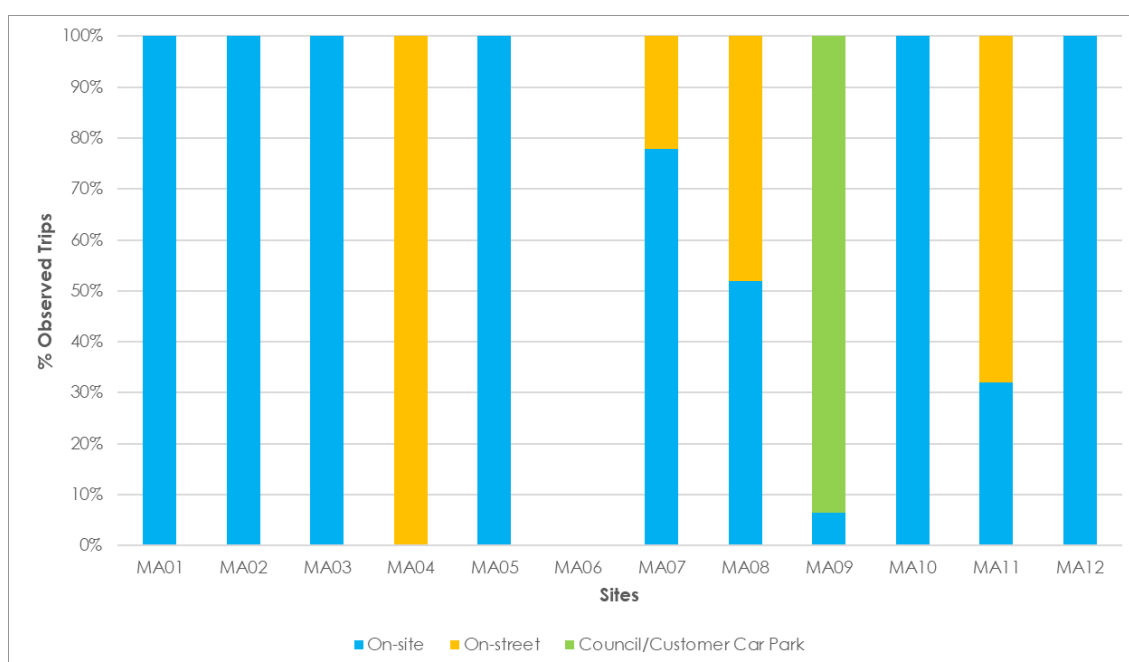
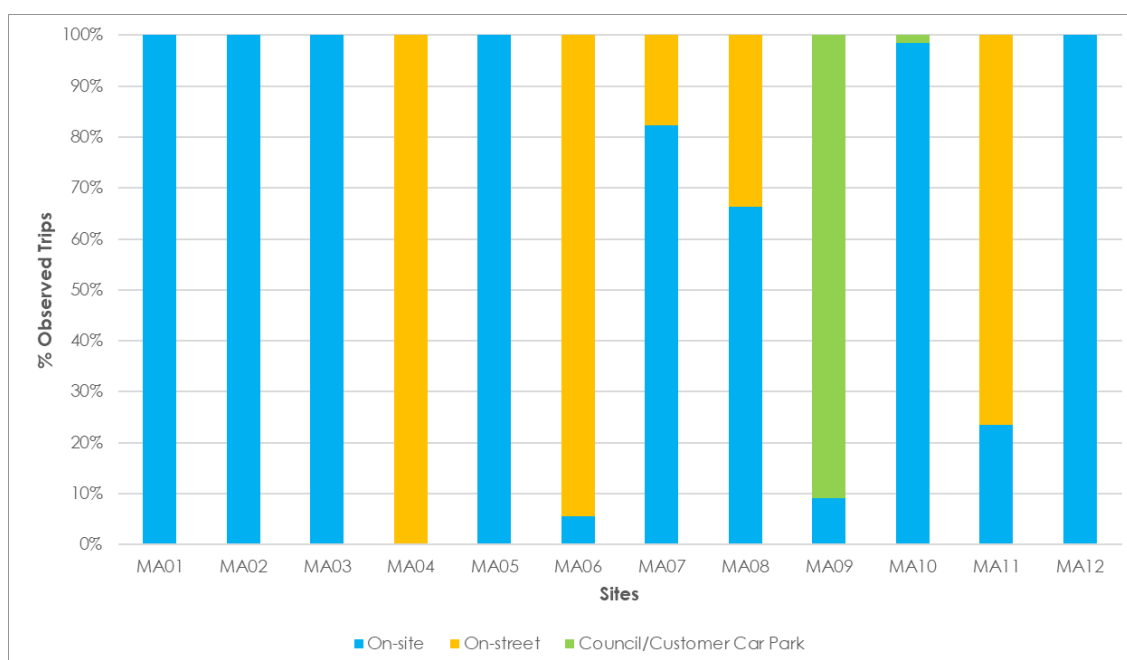


Figure 3.116: Site Observations (Overall) – Vehicle Parking Location



The above table shows that visitors who travelled to the sites by car are generally accommodated within the on-site parking facility, or adjacent Council/customer car park in the case of Coffs Harbour Marina (MA09).

It is noted that no on-site parking is provided at MA04 and MA06. However, it is observed that one trip was by car and parked on site based on the survey results.

3.2.4 Average Car Occupancy

Table 3.74: Site Observation Results – Average Car Occupancy

Survey Day	MA01	MA02	MA03	MA04	MA05	MA06	MA07	MA08	MA09	MA10	MA11	MA12
Friday	1.20	1.16	1.12	1.21	1.91	2.44	1.00	1.26	1.57	1.44	2.91	1.64
Saturday	1.60	1.00	1.20	1.50	2.52	2.86	1.77	1.50	1.72	1.45	2.37	1.53
Sunday	1.71	1.56	1.20	2.52	2.54	0.00	1.56	1.70	1.79	1.52	2.19	1.78
Overall	1.42	1.23	1.19	2.00	2.30	2.68	1.44	1.48	1.71	1.47	2.55	1.65

3.2.5 Vessel Location

Figure 3.117: Site Observations (Friday) – Vessel Location

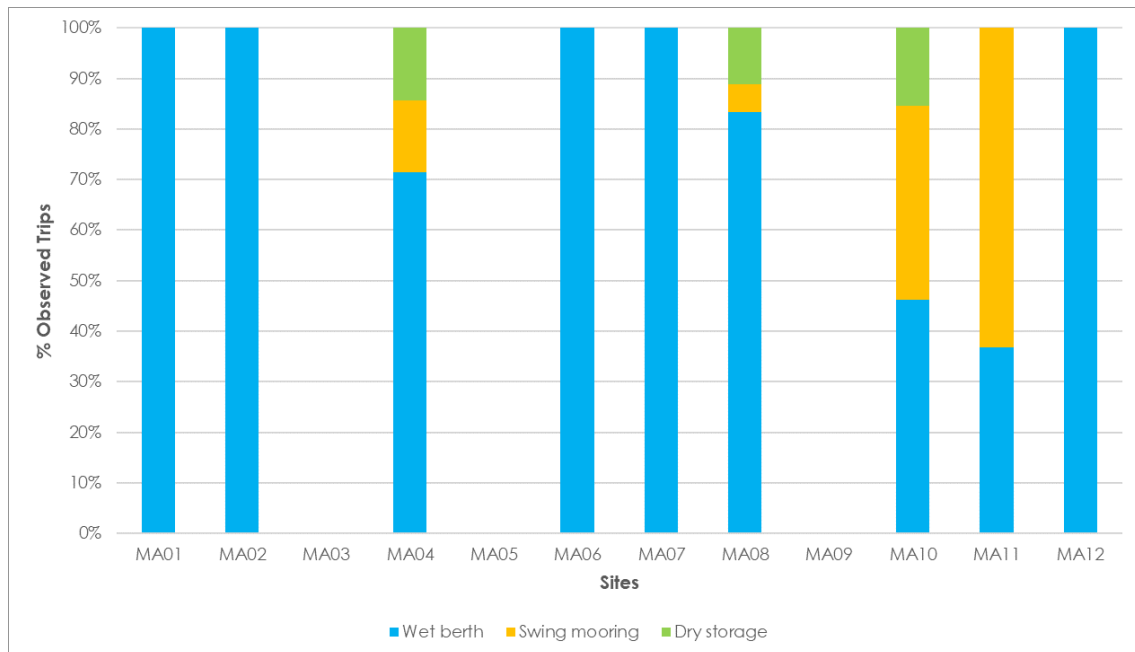


Figure 3.118: Site Observations (Saturday) – Vessel Location

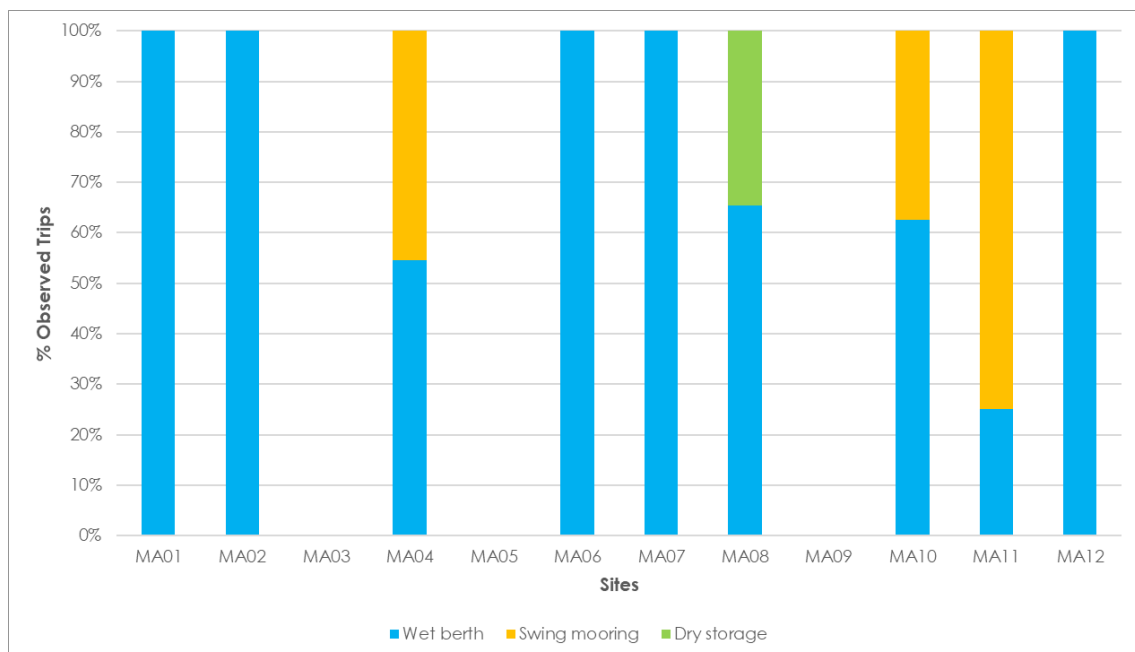


Figure 3.119: Site Observations (Sunday) – Vessel Location

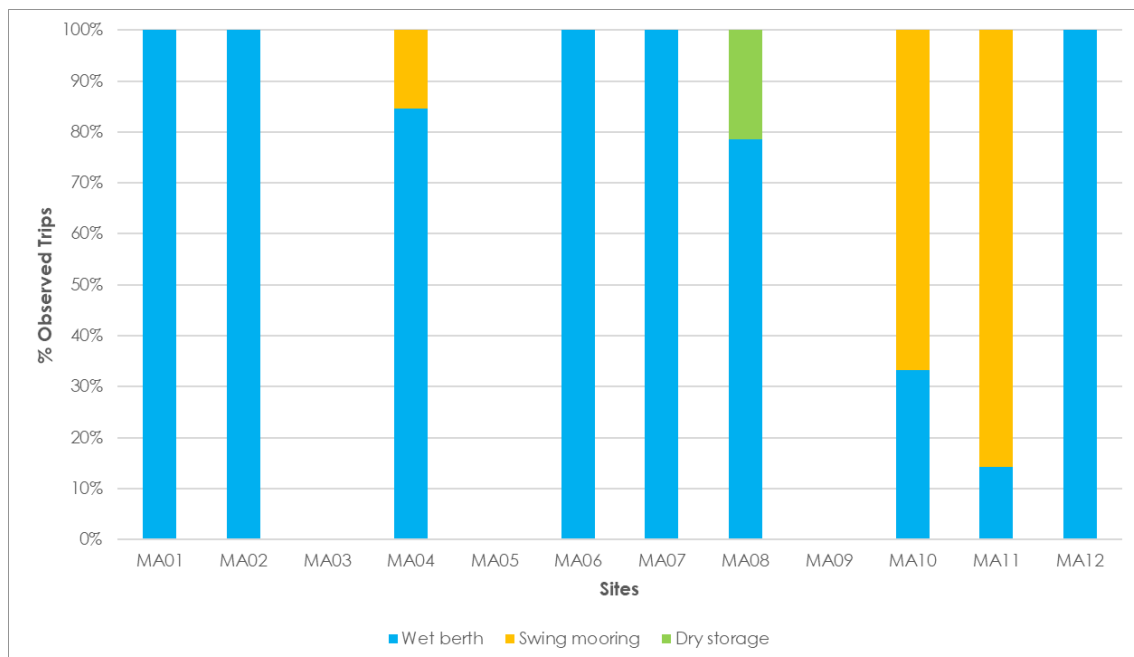
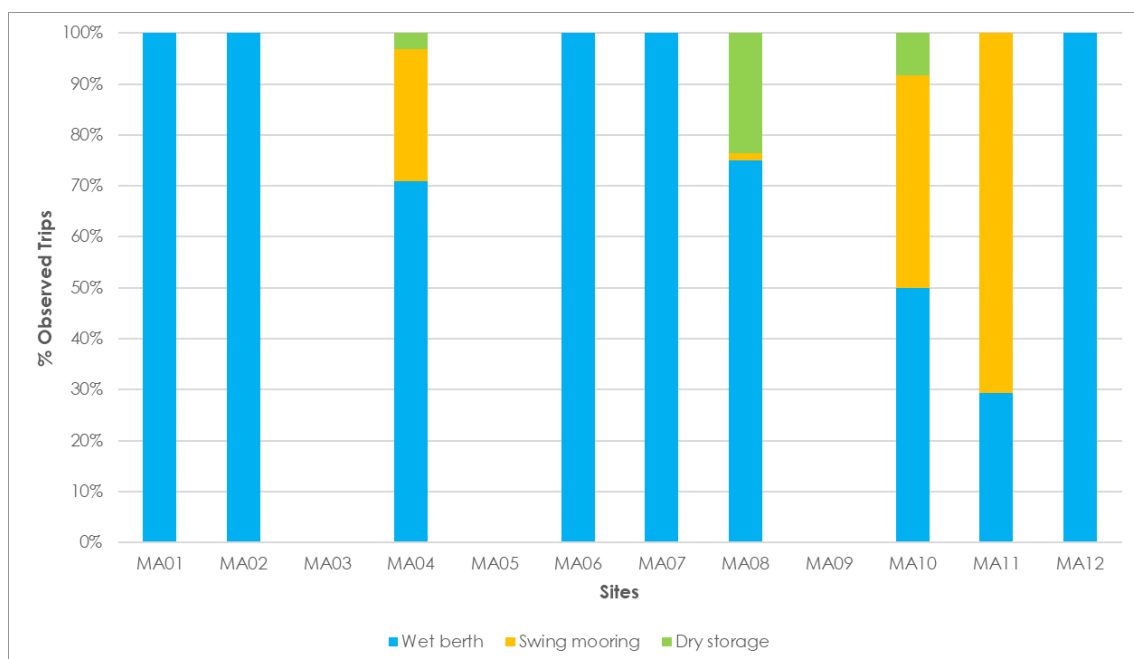


Figure 3.120: Site Observations (Overall) – Vessel Location



Site observation indicates that majority of the marina visitors who accessed the vessels have their vessels docked at the wet berths.

It is noted that no data was collected at MA03, MA05 and MA09 since the surveyors have indicated that the people who travelled to these sites for other purposes (e.g. visiting business office, restaurant or café).

3.3 Automatic Traffic Counter (ATC) Survey Results

The following sections present the vehicle count data collected at roads surrounding the sites as shown on maps presented in Section 2.2.

The traffic volumes are either obtained from tube counters installed at each site or data obtained from Roads and Maritime traffic count stations.

3.3.1 MA01 - Royal Motor Yacht Club of NSW, Point Piper

Table 3.75: MA01 Automatic Traffic Counter (ATC) Survey Results

Hour Starting	Day of Week							Weekday Ave	7 Day Ave
	Mon	Tue	Wed	Thu	Fri	Sat	Sun		
	24-Feb	25-Feb	26-Feb	20-Feb	21-Feb	22-Feb	23-Feb		
AM Peak	167	168	167	172	149	151	142	160	144
PM Peak	195	186	180	183	211	167	171	185	176
0:00	4	1	2	4	4	22	18	3	8
1:00	5	3	3	3	4	7	10	4	5
2:00	0	0	0	2	2	6	4	1	2
3:00	1	0	1	0	2	5	1	1	1
4:00	9	5	9	6	6	1	2	7	5
5:00	27	24	30	25	22	9	4	26	20
6:00	93	83	90	89	92	17	15	89	68
7:00	142	168	156	172	145	50	44	157	125
8:00	154	137	140	164	149	102	72	149	131
9:00	167	168	167	153	143	102	110	160	144
10:00	117	121	110	118	120	145	133	117	123
11:00	158	151	143	111	139	151	142	140	142
12:00	108	110	130	113	129	150	171	118	130
13:00	98	104	102	118	128	136	138	110	118
14:00	111	113	95	135	142	139	148	119	126
15:00	158	168	155	153	171	159	115	161	154
16:00	195	164	165	154	169	167	153	169	167
17:00	190	186	157	183	211	161	141	185	176
18:00	167	169	180	171	184	158	102	174	162
19:00	107	110	107	121	141	65	81	117	105
20:00	74	77	65	77	82	45	62	75	69
21:00	57	51	71	76	61	50	26	63	56
22:00	23	24	25	29	44	31	14	29	27
23:00	10	5	8	17	35	29	7	15	16
Total	2,175	2,142	2,111	2,194	2,325	1,907	1,713	2,189	2,081
AM Peak	9:00	7:00	9:00	7:00	8:00	11:00	11:00	9:00	9:00
PM Peak	16:00	17:00	18:00	17:00	17:00	16:00	12:00	17:00	17:00

 Network AM peak hour
 Network PM peak hour

3.3.2 MA02 - Burraneer Bay Marina

Table 3.76: MA02 Automatic Traffic Counter (ATC) Survey Results

Hour Starting	Day of Week							Weekday Ave	7 Day Ave
	Mon	Tue	Wed	Thu	Fri	Sat	Sun		
	10-Feb	11-Feb	12-Feb	6-Feb	7-Feb	8-Feb	9-Feb		
AM Peak	17	29	29	25	22	20	25	23	21
PM Peak	26	32	30	28	26	25	27	26	23
0:00	1	1	0	0	0	0	6	0	1
1:00	0	0	0	0	0	0	8	0	1
2:00	0	0	0	0	0	3	0	0	0
3:00	0	0	2	1	0	0	0	1	0
4:00	0	0	1	0	0	0	0	0	0
5:00	5	3	7	4	5	1	1	5	4
6:00	14	11	7	10	9	3	1	10	8
7:00	17	14	15	12	20	3	10	16	13
8:00	17	24	29	25	22	18	6	23	20
9:00	16	29	24	18	19	19	25	21	21
10:00	17	18	24	16	21	19	18	19	19
11:00	12	15	21	12	18	20	14	16	16
12:00	15	12	28	20	22	21	27	19	21
13:00	14	18	18	17	21	16	13	18	17
14:00	19	27	20	15	22	10	11	21	18
15:00	24	23	20	26	26	20	22	24	23
16:00	24	30	30	28	19	25	8	26	23
17:00	26	32	14	22	24	15	15	24	21
18:00	18	28	19	23	17	18	16	21	20
19:00	18	19	10	20	13	5	5	16	13
20:00	16	13	3	16	7	8	3	11	9
21:00	6	3	1	6	13	12	5	6	7
22:00	5	2	0	3	2	6	1	2	3
23:00	1	2	0	0	7	2	2	2	2
Total	285	324	293	294	307	244	217	301	281
AM Peak	7:00	9:00	8:00	8:00	8:00	11:00	9:00	8:00	9:00
PM Peak	17:00	17:00	16:00	16:00	15:00	16:00	12:00	16:00	16:00

 Network AM peak hour
 Network PM peak hour

3.3.3 MA03 - D'Albora Marina Cabarita Point

Table 3.77: MA03 Automatic Traffic Counter (ATC) Survey Results

Hour Starting	Day of Week							Weekday Ave	7 Day Ave
	Mon	Tue	Wed	Thu	Fri	Sat	Sun		
	20-Jan	14-Jan	15-Jan	16-Jan	17-Jan	18-Jan	19-Jan		
AM Peak	47	14	64	31	40	66	68	31	40
PM Peak	53	52	69	43	40	86	95	44	52
0:00	8	7	5	6	0	14	31	5	10
1:00	5	3	5	7	2	6	8	4	5
2:00	2	1	2	2	0	4	11	1	3
3:00	8	5	4	3	4	2	3	5	4
4:00	4	4	4	6	1	1	6	4	4
5:00	7	0	7	4	0	2	2	4	3
6:00	3	9	6	7	6	11	8	6	7
7:00	18	14	24	22	17	14	25	19	19
8:00	47	0	64	28	18	21	42	31	31
9:00	30	0	52	30	15	38	38	25	29
10:00	14	0	59	31	40	66	68	29	40
11:00	46	0	58	28	25	40	58	31	36
12:00	53	0	65	31	34	86	95	37	52
13:00	32	0	61	33	27	17	70	31	34
14:00	41	0	69	35	40	0	54	37	34
15:00	34	0	48	34	23	12	53	28	29
16:00	46	0	39	27	38	47	69	30	38
17:00	18	3	56	30	29	44	51	27	33
18:00	39	52	65	43	20	42	37	44	43
19:00	22	41	52	27	25	25	34	33	32
20:00	36	26	26	16	23	13	16	25	22
21:00	21	18	33	17	14	17	35	21	22
22:00	10	15	23	12	19	38	18	16	19
23:00	11	4	11	8	8	19	14	8	11
Total	555	202	838	487	428	579	846	502	562
AM Peak	8:00	7:00	8:00	10:00	10:00	10:00	10:00	8:00	10:00
PM Peak	12:00	18:00	14:00	18:00	14:00	12:00	12:00	18:00	12:00

 Network AM peak hour
 Network PM peak hour

3.3.4 MA04 - Clontarf Marina

Table 3.78: MA04 Automatic Traffic Counter (ATC) Survey Results

Hour Starting	Day of Week							Weekday Ave	7 Day Ave
	Mon	Tue	Wed	Thu	Fri	Sat	Sun		
	20-Jan	14-Jan	15-Jan	16-Jan	17-Jan	18-Jan	19-Jan		
AM Peak	88	80	79	67	43	56	88	67	65
PM Peak	64	79	71	57	45	48	60	56	51
0:00	0	0	3	3	2	7	6	2	3
1:00	1	4	0	1	0	2	0	1	1
2:00	0	0	0	0	0	2	0	0	0
3:00	0	0	0	1	2	0	0	1	0
4:00	3	2	0	0	0	0	0	1	1
5:00	0	11	10	2	2	1	3	5	4
6:00	7	11	17	14	8	10	7	11	11
7:00	47	40	48	49	43	12	21	45	37
8:00	46	62	68	36	39	31	56	50	48
9:00	71	66	79	52	38	48	76	61	61
10:00	65	59	65	65	35	56	88	58	62
11:00	88	80	67	67	32	43	80	67	65
12:00	64	69	49	51	20	34	60	51	50
13:00	56	61	50	57	42	34	47	53	50
14:00	62	72	71	46	27	30	47	56	51
15:00	34	76	60	46	45	37	47	52	49
16:00	36	79	69	45	33	29	52	52	49
17:00	27	56	57	40	27	48	50	41	44
18:00	18	59	43	44	21	27	23	37	34
19:00	19	34	16	18	11	17	33	20	21
20:00	21	21	15	16	9	5	15	16	15
21:00	3	5	4	9	2	8	9	5	6
22:00	3	5	5	4	0	3	5	3	4
23:00	3	0	3	2	6	8	3	3	4
Total	674	872	799	668	444	492	728	691	668
AM Peak	11:00	11:00	9:00	11:00	7:00	10:00	10:00	11:00	11:00
PM Peak	12:00	16:00	14:00	13:00	15:00	17:00	12:00	14:00	14:00

 Network AM peak hour
 Network PM peak hour

3.3.5 MA05 - Royal Motor Yacht Club, Port Hacking

Table 3.79: MA05 Automatic Traffic Counter (ATC) Survey Results

Hour Starting	Day of Week							Weekday Ave	7 Day Ave
	Mon	Tue	Wed	Thu	Fri	Sat	Sun		
	10-Feb	11-Feb	12-Feb	6-Feb	7-Feb	8-Feb	9-Feb		
AM Peak	384	386	437	422	401	344	318	396	342
PM Peak	443	428	417	394	343	370	311	397	359
0:00	7	5	8	0	8	42	67	6	20
1:00	3	3	4	4	3	21	26	3	9
2:00	4	0	1	3	1	9	18	2	5
3:00	2	6	0	4	5	7	17	3	6
4:00	25	30	19	22	24	14	7	24	20
5:00	66	71	80	86	56	34	26	72	60
6:00	188	272	230	227	215	76	30	226	177
7:00	339	384	437	387	333	164	102	376	307
8:00	384	386	388	422	401	264	147	396	342
9:00	303	310	341	339	291	318	231	317	305
10:00	292	272	307	294	304	344	268	294	297
11:00	262	251	318	277	259	342	318	273	290
12:00	275	266	276	277	258	370	300	270	289
13:00	270	257	271	267	212	370	311	255	280
14:00	336	312	295	321	312	322	264	315	309
15:00	443	399	417	394	331	297	230	397	359
16:00	371	369	379	373	316	279	227	362	331
17:00	361	428	374	335	336	268	229	367	333
18:00	393	376	367	331	343	266	169	362	321
19:00	218	240	238	268	203	197	147	233	216
20:00	155	143	144	154	162	125	90	152	139
21:00	76	108	128	96	122	124	65	106	103
22:00	34	40	55	61	85	88	30	55	56
23:00	11	16	13	22	69	64	7	26	29
Total	4,818	4,944	5,090	4,964	4,649	4,405	3,326	4,893	4,599
AM Peak	8:00	8:00	7:00	8:00	8:00	10:00	11:00	8:00	8:00
PM Peak	15:00	17:00	15:00	15:00	18:00	12:00	13:00	15:00	15:00

 Network AM peak hour
 Network PM peak hour

3.3.6 MA06 - Double Bay Marina

Table 3.80: MA06 Automatic Traffic Counter (ATC) Survey Results

Hour Starting	Day of Week							Weekday Ave	7 Day Ave
	Mon	Tue	Wed	Thu	Fri	Sat	Sun		
	6-Jan	7-Jan	8-Jan	9-Jan	3-Jan	4-Jan	5-Jan		
AM Peak	4,034	4,264	4,315	4,270	4,447	4,835	3,934	3,964	4,082
PM Peak	4,133	4,543	4,503	4,600	4,671	4,679	4,082	4,490	4,352
0:00	366	294	362	786	565	901	1,248	475	646
1:00	205	172	256	638	326	585	884	319	438
2:00	156	124	166	247	256	449	709	190	301
3:00	174	139	147	177	173	312	420	162	220
4:00	122	227	258	257	263	287	290	225	243
5:00	875	920	953	962	627	507	384	867	747
6:00	2,551	2,787	2,841	2,818	1,481	1,068	695	2,496	2,034
7:00	3,314	3,497	3,553	3,535	2,137	1,909	1,131	3,207	2,725
8:00	4,034	4,264	4,315	4,270	2,936	2,798	1,785	3,964	3,486
9:00	3,699	3,892	4,058	4,223	3,752	3,783	2,761	3,925	3,738
10:00	3,442	3,785	3,883	3,824	4,385	4,481	3,470	3,864	3,896
11:00	3,587	3,864	3,857	4,047	4,447	4,835	3,934	3,960	4,082
12:00	3,645	3,967	4,013	4,005	4,556	4,679	4,082	4,037	4,135
13:00	3,473	3,629	3,759	3,638	4,340	4,414	3,953	3,768	3,887
14:00	3,508	3,752	3,703	3,791	4,169	4,174	3,770	3,785	3,838
15:00	3,859	4,250	4,304	4,416	4,473	4,305	3,984	4,260	4,227
16:00	3,834	4,102	4,115	4,149	4,528	4,169	3,966	4,146	4,123
17:00	4,133	4,543	4,503	4,600	4,671	4,521	3,491	4,490	4,352
18:00	3,323	3,757	3,883	4,009	4,233	4,352	3,021	3,841	3,797
19:00	2,163	2,420	2,427	2,768	3,017	3,235	2,173	2,559	2,600
20:00	1,555	1,819	1,995	2,036	2,415	2,675	1,839	1,964	2,048
21:00	1,386	1,624	2,088	1,986	2,110	2,470	1,641	1,839	1,901
22:00	1,030	1,273	1,577	1,570	1,977	2,360	1,143	1,485	1,561
23:00	573	856	1,050	1,189	1,461	1,845	725	1,026	1,100
Total	55,007	59,957	62,066	63,941	63,298	65,114	51,499	60,854	60,126
AM Peak	8:00	8:00	8:00	8:00	11:00	11:00	11:00	8:00	11:00
PM Peak	17:00	17:00	17:00	17:00	17:00	12:00	12:00	17:00	17:00

 Network AM peak hour
 Network PM peak hour

3.3.7 MA07 - Woolwich Marina

Table 3.81: MA07 Automatic Traffic Counter (ATC) Survey Results

Hour Starting	Day of Week							Weekday Ave	7 Day Ave
	Mon	Tue	Wed	Thu	Fri	Sat	Sun		
	20-Jan	14-Jan	15-Jan	16-Jan	17-Jan	18-Jan	19-Jan		
AM Peak	33	33	27	29	14	29	24	25	25
PM Peak	27	33	29	33	21	23	34	25	26
0:00	1	3	1	3	1	5	7	2	3
1:00	1	0	3	2	0	3	4	1	2
2:00	1	0	0	2	0	1	0	1	1
3:00	0	1	1	2	0	1	5	1	1
4:00	2	3	0	1	0	2	0	1	1
5:00	5	8	4	3	4	1	2	5	4
6:00	5	5	3	8	7	1	8	6	5
7:00	16	19	18	20	11	5	5	17	13
8:00	21	21	25	13	9	16	9	18	16
9:00	20	20	18	22	10	19	15	18	18
10:00	27	25	27	27	14	26	24	24	24
11:00	33	33	24	29	7	29	18	25	25
12:00	17	31	16	18	19	16	26	20	20
13:00	24	33	13	17	21	15	32	22	22
14:00	25	30	29	18	11	18	30	23	23
15:00	14	25	24	16	12	23	25	18	20
16:00	27	31	17	33	18	23	34	25	26
17:00	14	30	20	25	12	18	22	20	20
18:00	11	13	20	17	18	11	24	16	16
19:00	12	21	24	11	10	13	20	16	16
20:00	17	16	8	11	5	11	13	11	12
21:00	5	8	16	8	6	7	10	9	9
22:00	3	9	11	11	10	14	13	9	10
23:00	6	7	4	4	8	10	9	6	7
Total	307	392	326	321	213	288	355	312	315
AM Peak	11:00	11:00	10:00	11:00	10:00	11:00	10:00	11:00	11:00
PM Peak	16:00	13:00	14:00	16:00	13:00	15:00	16:00	16:00	16:00

 Network AM peak hour
 Network PM peak hour

3.3.8 MA08 - Sydney Superyacht Marina

Table 3.82: MA08 Automatic Traffic Counter (ATC) Survey Results

Hour Starting	Day of Week							Weekday Ave	7 Day Ave
	Mon	Tue	Wed	Thu	Fri	Sat	Sun		
	6-Jan	7-Jan	8-Jan	9-Jan	3-Jan	4-Jan	5-Jan		
AM Peak	8,427	8,609	8,827	8,736	7,316	8,232	7,169	8,105	7,124
PM Peak	8,992	9,143	9,400	9,605	8,528	8,330	7,608	9,134	8,620
0:00	1,285	1,119	1,318	1,422	1,683	2,532	3,085	1,365	1,778
1:00	808	674	814	922	1,041	1,823	1,960	852	1,149
2:00	621	587	650	732	786	1,552	1,459	675	912
3:00	732	591	669	769	802	1,247	1,298	713	873
4:00	1,091	1,080	1,099	1,116	1,030	1,063	1,044	1,083	1,075
5:00	2,941	2,890	3,035	2,947	2,116	1,629	1,316	2,786	2,411
6:00	6,327	6,633	6,671	6,683	3,725	2,799	1,851	6,008	4,956
7:00	7,416	7,371	7,577	7,531	4,764	3,642	2,497	6,932	5,828
8:00	8,427	8,609	8,827	8,736	5,927	5,110	3,441	8,105	7,011
9:00	6,879	7,303	7,794	7,548	6,661	6,869	5,318	7,237	6,910
10:00	6,252	6,434	6,776	6,812	7,019	7,592	6,195	6,659	6,726
11:00	6,505	6,578	7,081	6,989	7,316	8,232	7,169	6,894	7,124
12:00	6,206	6,755	6,924	6,820	7,475	8,330	7,608	6,836	7,160
13:00	6,192	6,651	6,934	6,680	7,167	7,417	7,048	6,725	6,870
14:00	6,676	7,097	7,182	7,239	7,254	6,903	7,220	7,090	7,082
15:00	7,624	8,020	8,080	8,336	7,870	6,998	7,456	7,986	7,769
16:00	8,087	8,239	8,512	8,888	8,110	7,108	7,227	8,367	8,024
17:00	8,992	9,143	9,400	9,605	8,528	7,706	6,965	9,134	8,620
18:00	6,535	7,373	7,367	8,131	7,589	7,360	5,519	7,399	7,125
19:00	4,526	4,976	4,976	5,552	5,744	6,082	4,296	5,155	5,165
20:00	3,602	3,947	4,081	4,640	4,965	5,333	3,868	4,247	4,348
21:00	3,430	3,764	4,389	4,737	5,008	5,468	3,943	4,266	4,391
22:00	2,789	3,181	3,749	3,947	4,556	5,660	3,135	3,644	3,860
23:00	1,865	2,516	2,186	3,235	3,630	4,380	2,021	2,686	2,833
Total	115,808	121,531	126,091	130,017	120,766	122,835	102,939	122,843	119,998
AM Peak	8:00	8:00	8:00	8:00	11:00	11:00	11:00	8:00	11:00
PM Peak	17:00	17:00	17:00	17:00	17:00	12:00	12:00	17:00	17:00

 Network AM peak hour
 Network PM peak hour

3.3.9 MA09 - Coffs Harbour Marina

Table 3.83: MA09 Automatic Traffic Counter (ATC) Survey Results

Hour Starting	Day of Week							Weekday Ave	7 Day Ave
	Mon	Tue	Wed	Thu	Fri	Sat	Sun		
	20-Jan	14-Jan	15-Jan	16-Jan	17-Jan	18-Jan	19-Jan		
AM Peak	821	778	754	833	801	690	1,047	791	813
PM Peak	789	797	823	846	770	728	836	766	770
0:00	30	19	29	12	15	43	43	21	27
1:00	11	14	4	8	12	31	17	10	14
2:00	9	11	10	4	4	15	6	8	8
3:00	11	5	10	10	6	10	14	8	9
4:00	20	22	25	15	19	22	17	20	20
5:00	123	149	159	137	134	78	51	140	119
6:00	316	345	241	318	255	215	147	295	262
7:00	464	493	410	455	457	360	307	456	421
8:00	611	645	561	656	672	485	524	629	593
9:00	687	727	671	730	688	621	774	701	700
10:00	712	778	754	817	704	591	964	753	760
11:00	821	753	749	833	801	690	1,047	791	813
12:00	740	797	729	846	717	728	836	766	770
13:00	789	741	707	782	652	622	791	734	726
14:00	736	746	708	816	770	518	769	755	723
15:00	684	778	730	782	700	512	710	735	699
16:00	693	727	772	755	657	557	676	721	691
17:00	729	785	823	735	684	539	628	751	703
18:00	603	628	624	622	609	546	547	617	597
19:00	452	443	470	434	502	499	408	460	458
20:00	249	443	431	399	464	438	336	397	394
21:00	124	262	295	271	310	292	198	252	250
22:00	0	137	116	99	173	185	119	105	118
23:00	0	72	55	47	95	85	58	54	59
Total	9,614	10,520	10,083	10,583	10,100	8,682	9,987	10,180	9,938
AM Peak	11:00	10:00	10:00	11:00	11:00	11:00	11:00	11:00	11:00
PM Peak	13:00	12:00	17:00	12:00	14:00	12:00	12:00	12:00	12:00

 Network AM peak hour
 Network PM peak hour

3.3.10 MA10 - Port Macquarie Marina

Table 3.84: MA10 Automatic Traffic Counter (ATC) Survey Results

Hour Starting	Day of Week							Weekday Ave	7 Day Ave
	Mon	Tue	Wed	Thu	Fri	Sat	Sun		
	6-Jan	31-Dec	1-Jan	2-Jan	3-Jan	4-Jan	5-Jan		
AM Peak	1499	1806	1238	1704	1615	1567	1458	1572	1555
PM Peak	1555	1769	1247	1745	1654	1502	1365	1594	1548
0:00	54	65	266	64	67	105	122	103	106
1:00	30	24	175	21	43	39	58	59	56
2:00	17	22	105	22	15	39	40	36	37
3:00	23	15	49	15	20	32	34	24	27
4:00	30	31	46	28	28	34	30	33	32
5:00	117	113	74	114	111	120	103	106	107
6:00	248	317	156	288	311	267	219	264	258
7:00	465	463	275	528	495	400	353	445	426
8:00	834	977	505	850	925	829	615	818	791
9:00	1,073	1,339	807	1,256	1,312	1,228	990	1,157	1,144
10:00	1,323	1,705	957	1,527	1,543	1,394	1,274	1,411	1,389
11:00	1,499	1,806	1,238	1,704	1,615	1,567	1,458	1,572	1,555
12:00	1,555	1,769	1,247	1,745	1,654	1,502	1,365	1,594	1,548
13:00	1,440	1,630	1,238	1,602	1,547	1,373	1,311	1,491	1,449
14:00	1,358	1,598	1,158	1,593	1,498	1,332	1,203	1,441	1,391
15:00	1,302	1,355	1,059	1,381	1,425	1,153	1,056	1,304	1,247
16:00	1,043	1,118	923	1,231	1,091	1,050	877	1,081	1,048
17:00	976	924	714	1,101	1,046	835	684	952	897
18:00	674	823	669	861	846	611	594	775	725
19:00	502	703	532	724	673	572	443	627	593
20:00	380	561	430	614	605	481	340	518	487
21:00	276	576	343	432	458	450	274	417	401
22:00	149	486	218	261	279	251	135	279	254
23:00	86	330	102	113	184	158	90	163	152
Total	15,454	18,750	13,286	18,075	17,791	15,822	13,668	16,671	16,121
AM Peak	11:00	11:00	11:00	11:00	11:00	11:00	11:00	11:00	11:00
PM Peak	12:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00	12:00

 Network AM peak hour
 Network PM peak hour

3.3.11 MA11 - Soldiers Point Marina

Table 3.85: MA11 Automatic Traffic Counter (ATC) Survey Results

Hour Starting	Day of Week							Weekday Ave	7 Day Ave
	Mon	Tue	Wed	Thu	Fri	Sat	Sun		
	6-Jan	31-Dec	1-Jan	2-Jan	3-Jan	4-Jan	5-Jan		
AM Peak	209	248	303	267	229	236	242	246	237
PM Peak	236	226	252	253	249	212	231	243	237
0:00	2	7	34	7	12	8	6	12	11
1:00	3	2	23	2	4	1	3	7	5
2:00	2	4	5	5	2	0	5	4	3
3:00	0	0	1	1	2	3	4	1	2
4:00	1	2	4	12	11	11	2	6	6
5:00	19	20	11	25	25	20	5	20	18
6:00	25	47	23	52	50	58	34	39	41
7:00	57	89	46	74	45	91	69	62	67
8:00	96	132	75	96	107	130	84	101	103
9:00	134	168	100	189	175	164	141	153	153
10:00	209	240	220	218	208	236	209	219	220
11:00	184	248	303	267	229	189	242	246	237
12:00	236	226	252	250	249	212	231	243	237
13:00	165	195	216	228	210	183	228	203	204
14:00	186	186	230	215	225	168	187	208	200
15:00	196	170	215	253	226	202	169	212	204
16:00	157	138	213	179	197	157	131	177	167
17:00	159	152	185	168	156	180	148	164	164
18:00	139	108	173	148	145	143	121	143	140
19:00	70	82	103	120	135	138	91	102	106
20:00	57	70	87	76	75	107	63	73	76
21:00	53	50	40	49	42	67	41	47	49
22:00	0	67	16	31	36	31	25	30	29
23:00	0	32	6	11	16	16	8	13	13
Total	2,150	2,435	2,581	2,676	2,582	2,515	2,247	2,485	2,455
AM Peak	10:00	11:00	11:00	11:00	11:00	10:00	11:00	11:00	11:00
PM Peak	12:00	12:00	12:00	15:00	12:00	12:00	12:00	12:00	12:00

 Network AM peak hour
 Network PM peak hour

3.3.12 MA12 - Koolewong Marina

Table 3.86: MA12 Automatic Traffic Counter (ATC) Survey Results

Hour Starting	Day of Week							Weekday Ave	7 Day Ave
	Mon	Tue	Wed	Thu	Fri	Sat	Sun		
	24-Feb	25-Feb	26-Feb	20-Feb	21-Feb	22-Feb	23-Feb		
AM Peak	1,511	1,593	1,570	1,558	1,545	1,613	1,353	1,555	1,411
PM Peak	1,584	1,592	1,582	1,593	1,682	1,665	1,675	1,583	1,510
0:00	68	77	87	86	102	151	212	84	112
1:00	45	54	75	72	54	103	111	60	73
2:00	31	35	32	25	45	77	89	34	48
3:00	30	41	42	46	34	86	71	39	50
4:00	68	59	62	74	80	82	56	69	69
5:00	191	216	199	208	198	79	67	202	165
6:00	498	523	565	529	512	212	152	525	427
7:00	1,009	1,037	1,082	1,048	1,045	407	260	1,044	841
8:00	1,511	1,593	1,570	1,558	1,545	796	437	1,555	1,287
9:00	1,401	1,452	1,396	1,470	1,444	1,006	787	1,433	1,279
10:00	1,340	1,300	1,422	1,333	1,399	1,337	1,132	1,359	1,323
11:00	1,249	1,359	1,373	1,432	1,495	1,613	1,353	1,382	1,411
12:00	1,412	1,371	1,435	1,467	1,538	1,665	1,675	1,445	1,509
13:00	1,300	1,322	1,384	1,429	1,488	1,628	1,584	1,385	1,448
14:00	1,419	1,377	1,427	1,493	1,505	1,500	1,328	1,444	1,436
15:00	1,559	1,536	1,557	1,593	1,669	1,352	1,307	1,583	1,510
16:00	1,584	1,554	1,582	1,509	1,682	1,318	1,224	1,582	1,493
17:00	1,519	1,592	1,515	1,493	1,558	1,122	1,099	1,535	1,414
18:00	1,262	1,320	1,371	1,431	1,283	931	796	1,333	1,199
19:00	847	902	789	877	931	654	526	869	789
20:00	617	605	596	658	672	457	431	630	577
21:00	448	471	410	531	479	425	441	468	458
22:00	321	363	325	384	417	373	262	362	349
23:00	149	179	173	198	259	344	165	192	210
Total	19,878	20,338	20,469	20,944	21,434	17,718	15,565	20,613	19,478
AM Peak	8:00	8:00	8:00	8:00	8:00	11:00	11:00	8:00	11:00
PM Peak	16:00	17:00	16:00	15:00	16:00	12:00	12:00	15:00	15:00

 Network AM peak hour
 Network PM peak hour

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