

Petersham Nurseries: April 2024 Survey Results

Ref: JCB/BC/AH/ITL8120-011 TN
Date: 20 May 2024

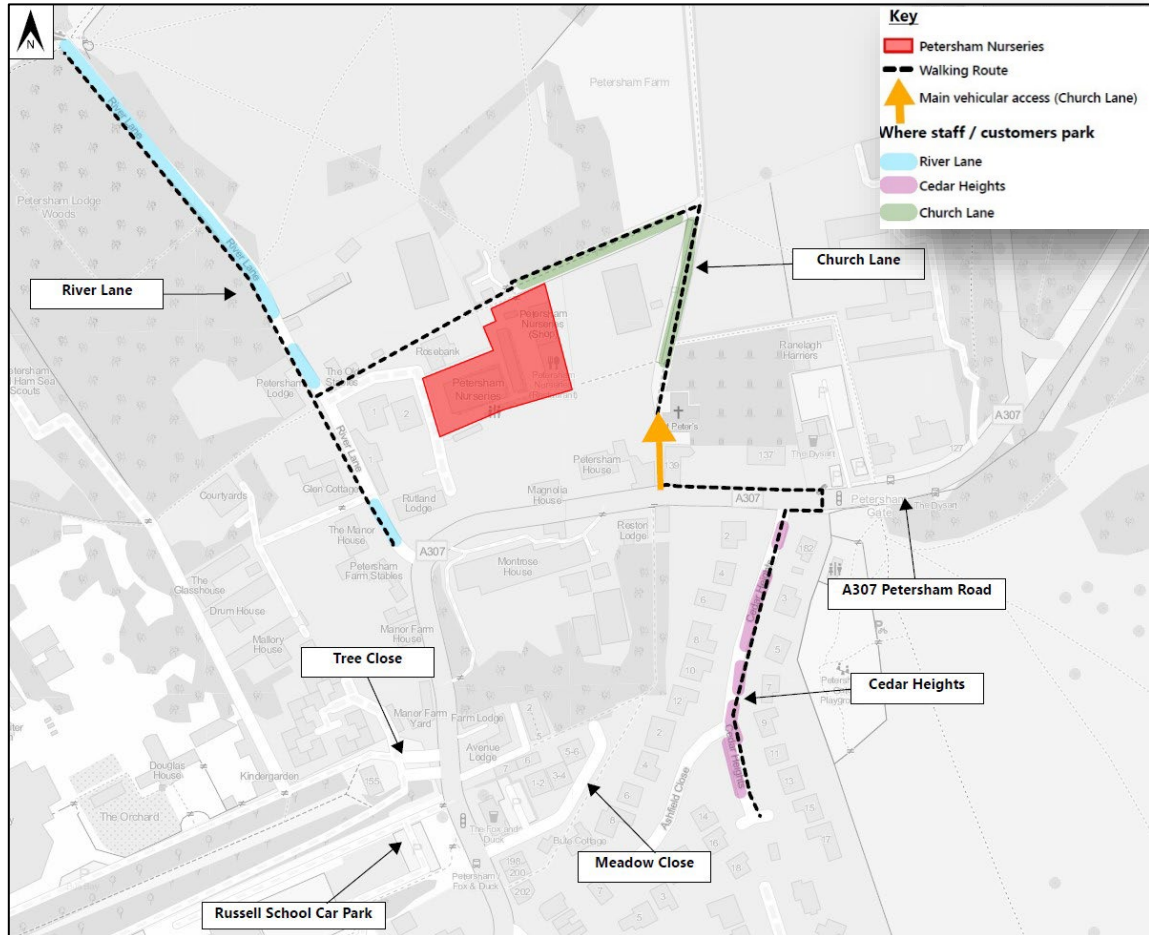
SECTION 1 Background

1.1 This note sets out the results of the second set of surveys undertaken at and surrounding Petersham Nurseries in April 2024. The surveys included:

- A drone survey undertaken on Thursday 18th April 2024 to record all vehicle movements generated by Petersham Nurseries using the following roads:
 - Church Lane
 - River Lane
 - Cedar Heights
 - Russell School car park
 - Tree Close
 - Meadow Close
- A questionnaire survey undertaken at Petersham Nurseries on the same evening as the drone survey to measure the mode split of visitors.

1.2 The main vehicular route, parking locations (as picked up from the survey) and the walking routes to Petersham Nurseries are shown in **Figure 1**.

Figure 1: Parking and Walking Plan



Source: Consultant

SECTION 2 Traffic Movements

2.1 Overview

2.1.1 The second drone survey was undertaken between 9.30am and 23.15pm on 18 April 2024. It was noted during the survey that operations at Petersham Nurseries closed by 10.30pm, no further activity was seen up until 23.15pm.

2.1.2 The survey data are included in **Appendix A**. The survey measures movements to and from the nurseries using local roads:

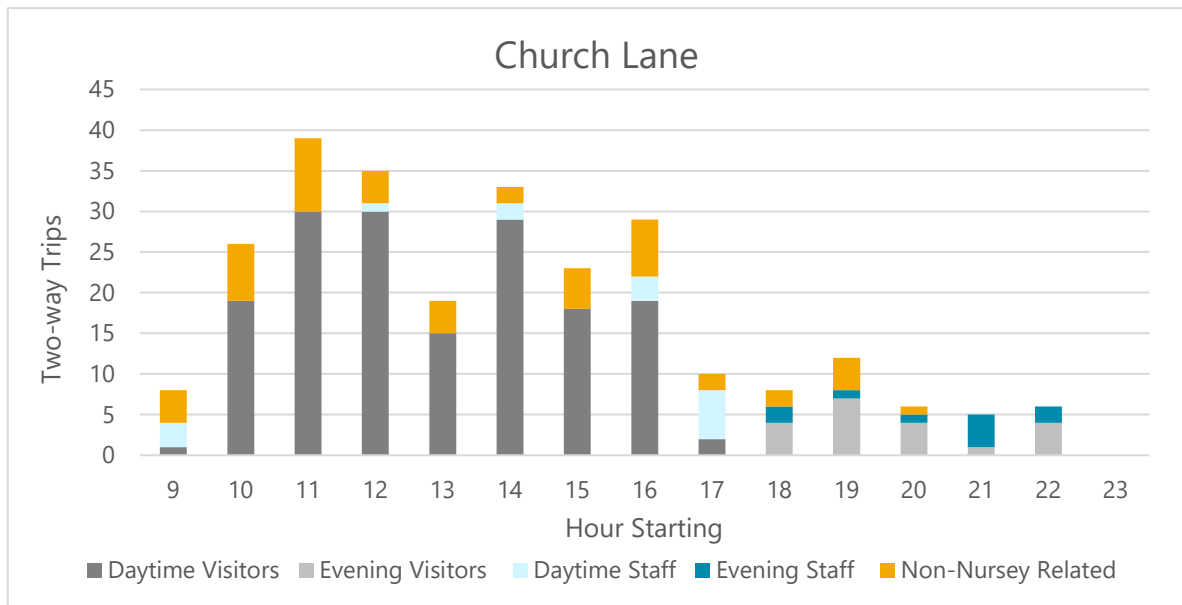
- Church Lane
- River Lane

- Cedar Heights
- Russell School car park – no nurseries’ movements were observed
- Tree Close – no nurseries’ movements were observed
- Meadow Close – no nurseries’ movements were observed

2.2 Church Lane – Traffic

2.2.1 **Image 2.1** summarises the traffic movements along Church Lane observed to be generated by Petersham Nurseries (staff and visitors) across the survey day, as well as non-Nurseries related traffic.

Image 2.1: Church Lane Traffic Movements

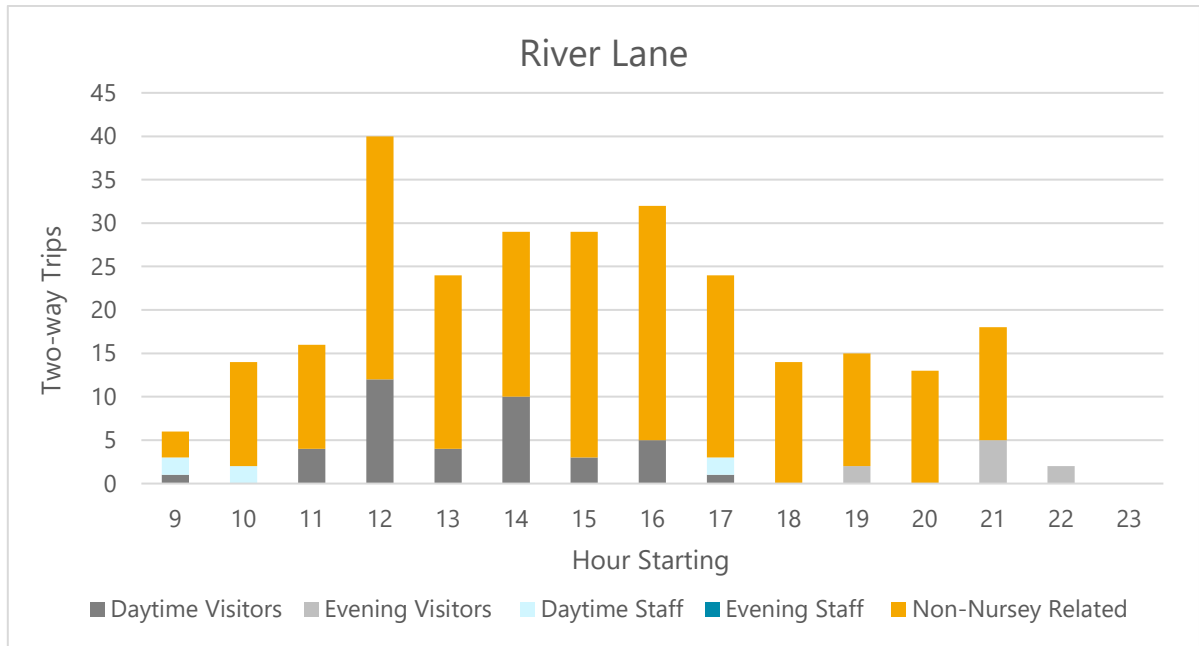


Source: Paul Castle Drone Survey

2.3 River Lane - Traffic

2.3.1 **Image 2.2** summarises the traffic movements observed on River Lane.

Image 2.2: River Lane Traffic Movements

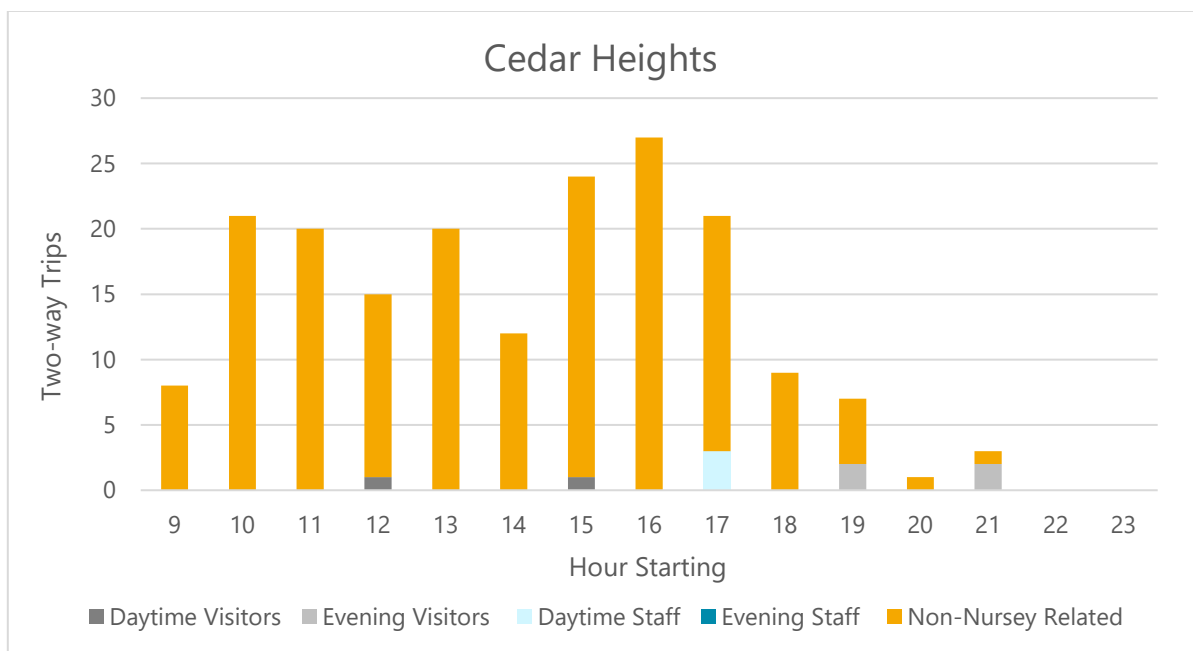


Source: Paul Castle Drone Survey

2.4 Cedar Heights - Traffic

2.4.1 **Image 2.3** summarises the traffic movements observed on Cedar Heights.

Image 2.3: Cedar Heights Traffic Movements

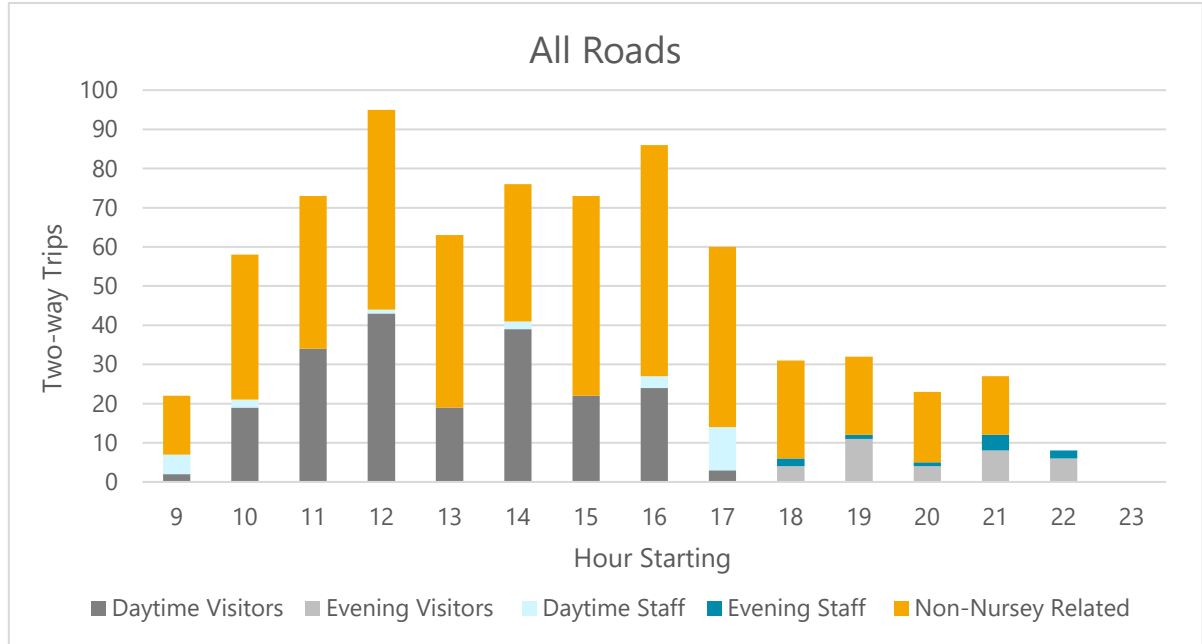


Source: Paul Castle Drone Survey

2.5 Total Traffic Movements

2.5.1 **Image 2.4** summarises the total traffic flows Church Lane, River Lane, and Cedar Heights:

Image 2.4: Total Traffic Movements on Church Lane, River Lane, and Cedar Heights

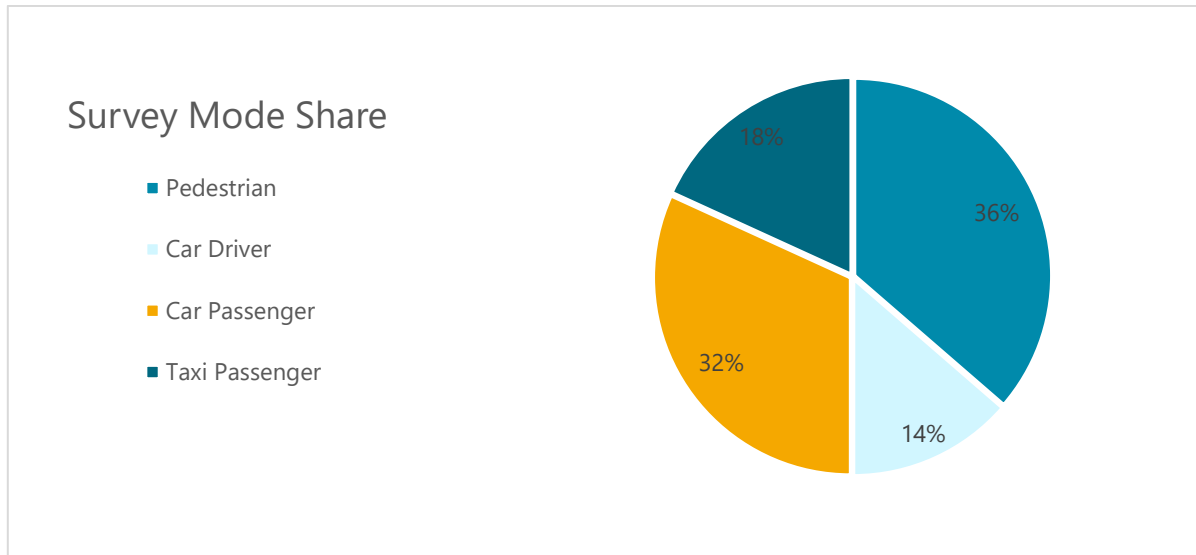


Source: Paul Castle Drone Survey

SECTION 3 Mode Share

3.1 A travel questionnaire survey was undertaken at Petersham Nurseries on the same day as the April drone survey during the evening. The survey data are provided in **Appendix B** and the travel mode share results are provided in **Image 3.1**.

Image 3.1: Travel Mode Share to/from Petersham Nurseries via On-Site Questionnaire



Source: Questionnaire Survey

SECTION 4 Parking Accumulation

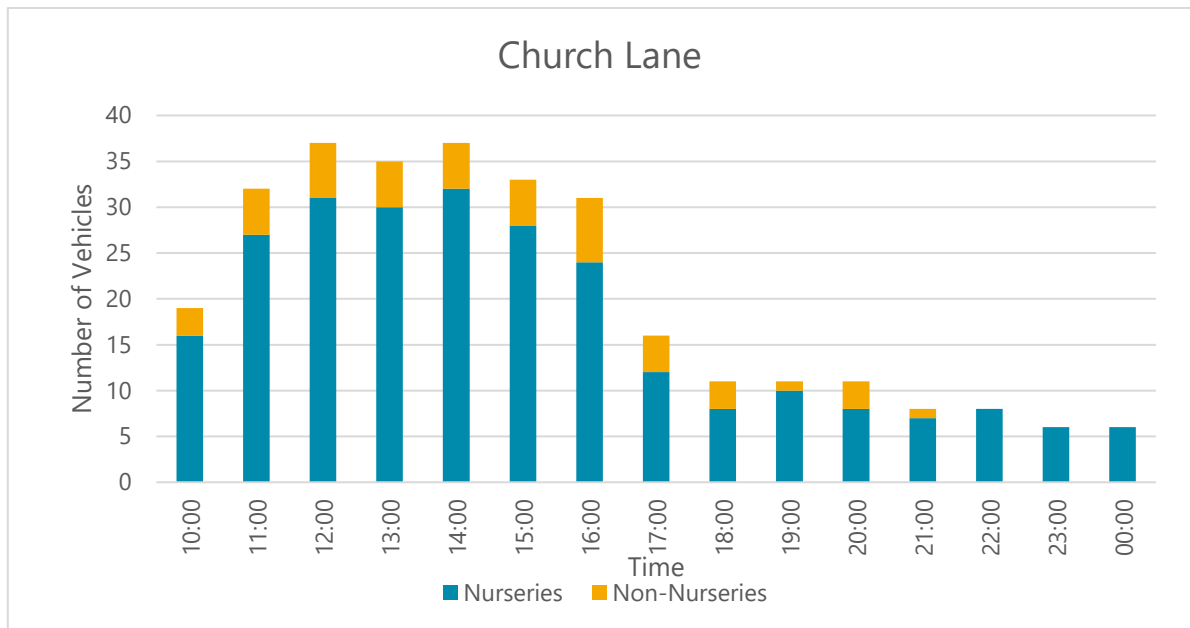
4.1 Introduction

4.1.1 The drone survey undertaken on Thursday 18th April 2024 also recorded the vehicles parked along Church Lane, River Lane, and Cedar Heights.

4.2 Church Lane

4.2.1 **Image 4.1** presents the vehicle parking accumulation along Church Lane.

Image 4.1: Church Lane Parking Accumulation

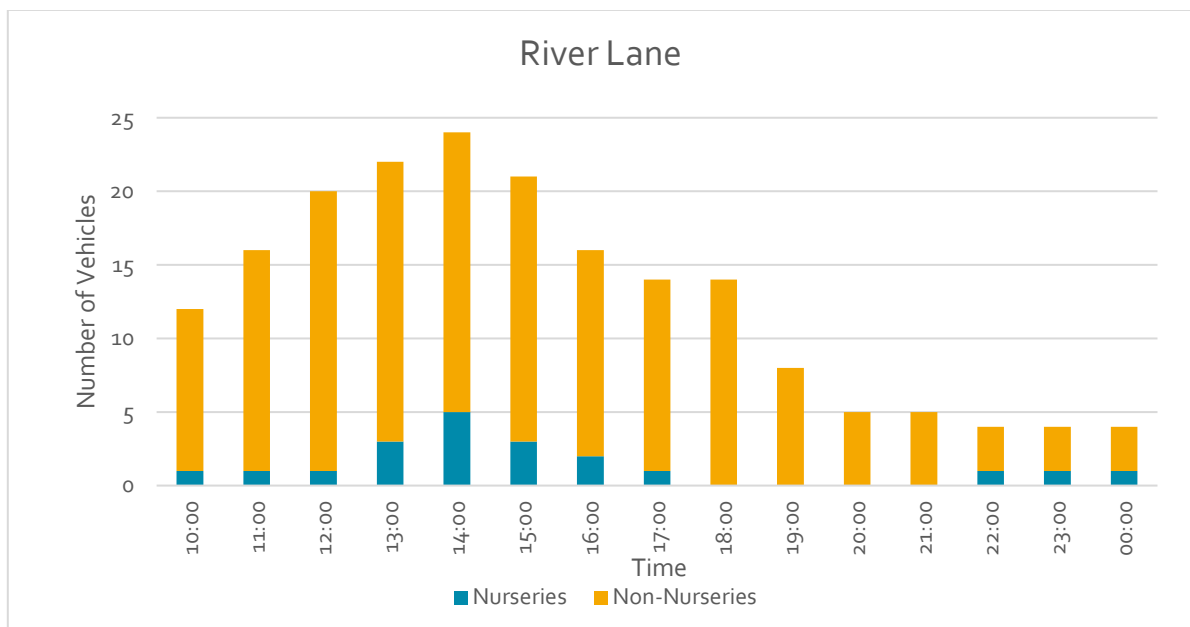


Source: Paul Castle Drone Survey

4.3 River Lane

4.3.1 **Image 4.2** presents the vehicle parking accumulation along River Lane.

Image 4.2: River Lane Parking Accumulation

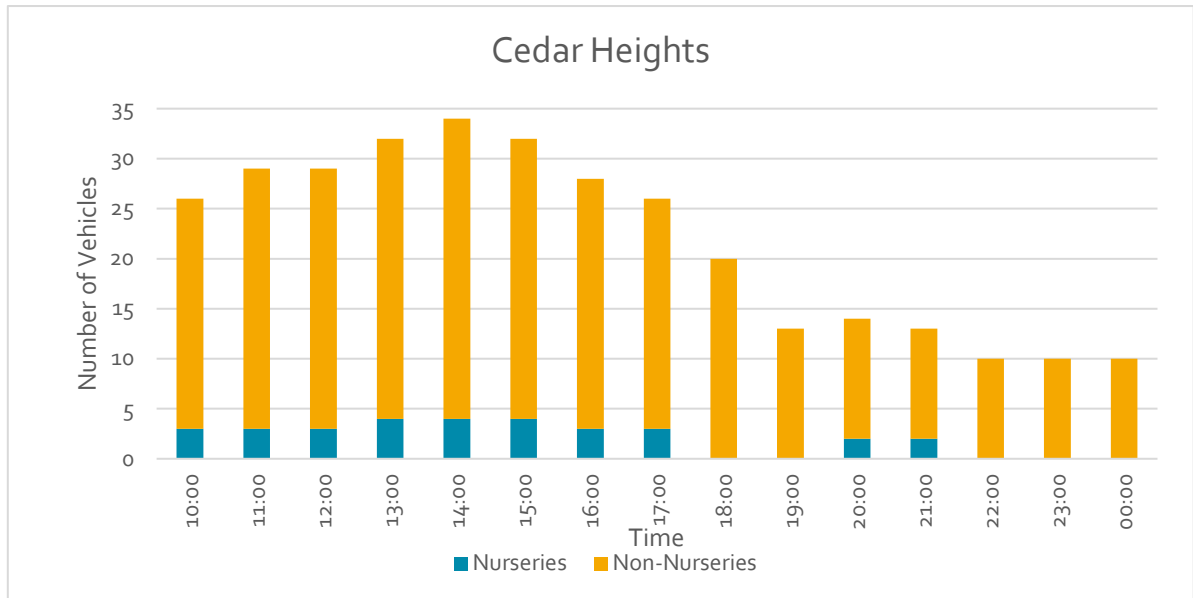


Source: Paul Castle Drone Survey

4.4 Cedar Heights

4.4.1 Image 4.3 presents the vehicle parking accumulation along Cedar Heights.

Image 4.3: Cedar Heights Parking Accumulation



Source: Paul Castle Drone Survey

APPENDIX A. DRONE SURVEY DATA – APRIL 2024

**APPENDIX B. VISITOR QUESTIONNAIRE – APRIL
2024**