

MEMORANDUM - DRAFT

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Date: February 26, 2016

Subject: Preston Center Parking Existing Conditions

This technical memorandum was prepared to summarize the existing parking conditions data collection effort performed by Kimley-Horn for the Preston Center Land Use Plan. The following data was collected as part of this effort:

- Facility occupancy
- User turnover

A description of each of the above efforts is provided in the following documentation. Detailed results of the analyses are provided as attachments.

Methodology

Data was collected for this analysis for the seven days between January 24 and January 30, 2016. The study included parking facilities in the Preston Center commercial district in Dallas, Texas. Facilities included in the study are shown in **Figure 1**. Both public and reserved spaces exist in the study area and their locations are shown in **Figure 2**. One observation of each facility was made each day, every hour from 10:00 AM through 5:00 PM equaling eight observations per day. License plate reader (LPR) technology was utilized to gather the data necessary to calculate occupancy and duration. LPR data was processed and analyzed with ArcGIS software.

Figure 1 – Study Area



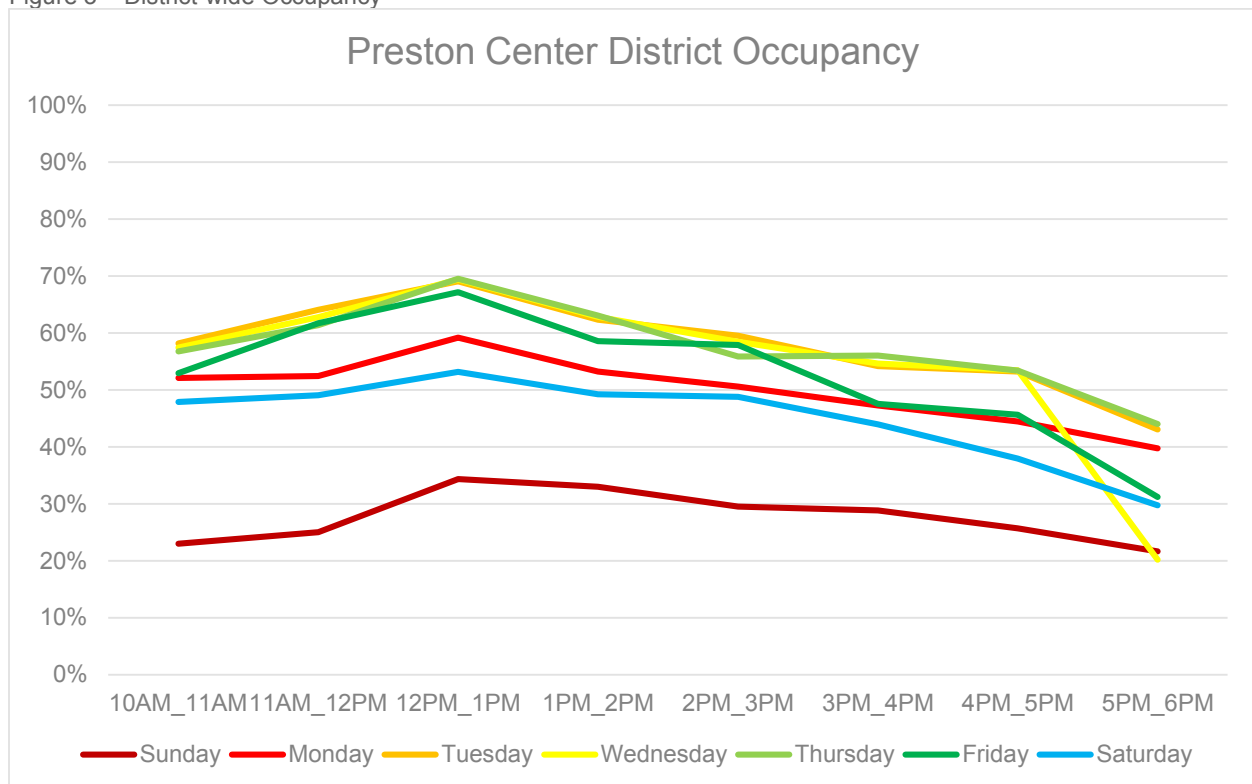
Figure 2 – User Restrictions



Occupancy

Facility occupancy was calculated for every observation period in the study to determine the extent of lot utilization. District-wide occupancies were relatively consistent Tuesday – Friday with slightly less demand on Monday and Saturday. Sunday received consistently low occupancy through the observational period. Despite differences in overall occupancy, every day had a peak occupancy during the 12:00 PM to 1:00 PM period. Tuesday through Friday all had a similar maximum peak around 70%. District-wide occupancies can be seen in **Figure 3**.

Figure 3 – District-wide Occupancy



Occupancies for spaces based on restriction type were also estimated. Spaces that were open to the public and handicapped show a more significant peak of 75% during the 12:00 PM to 1:00 PM period than the district as a whole but also declines much more rapidly throughout the day. Private and reserved spaces stayed relatively consistent at around 50% occupancy on typical weekdays throughout the day. These occupancies are shown in **Figures 4 and 5**.

Figure 4 – District-wide Public and Handicapped Estimated Occupancy

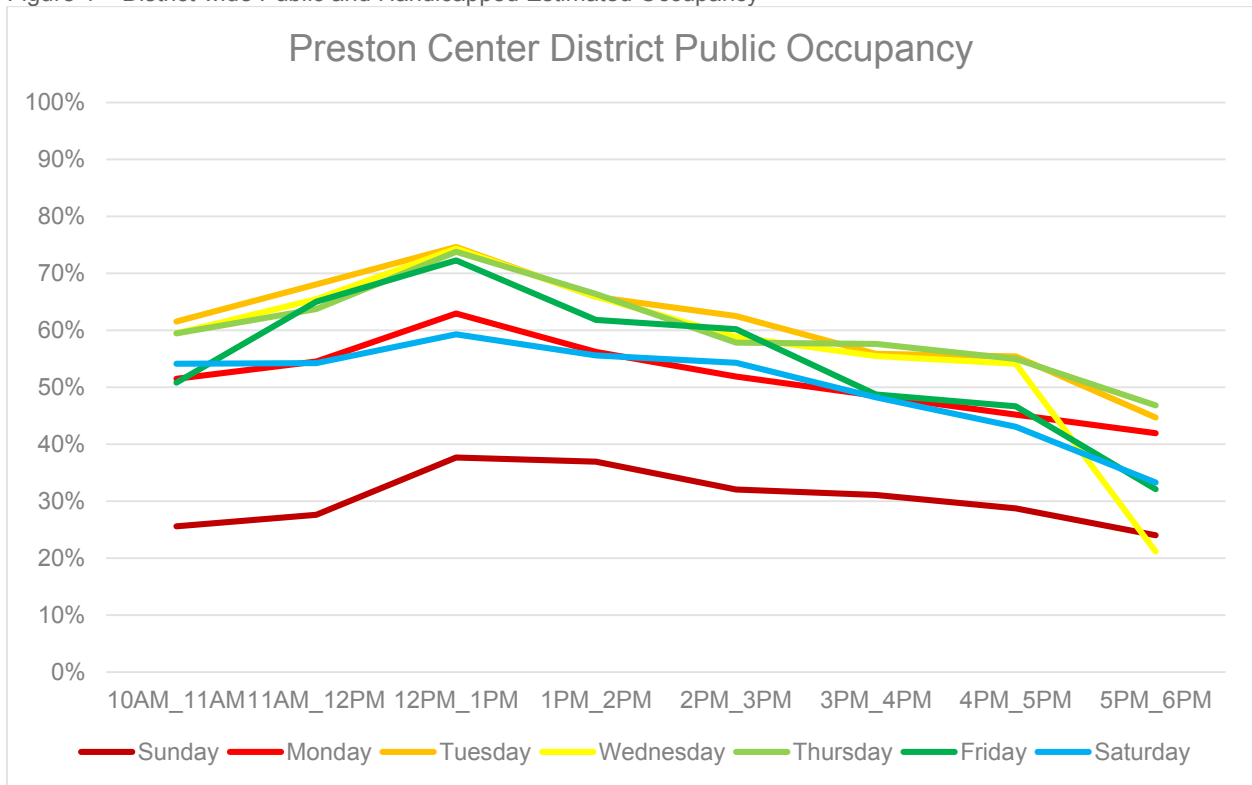
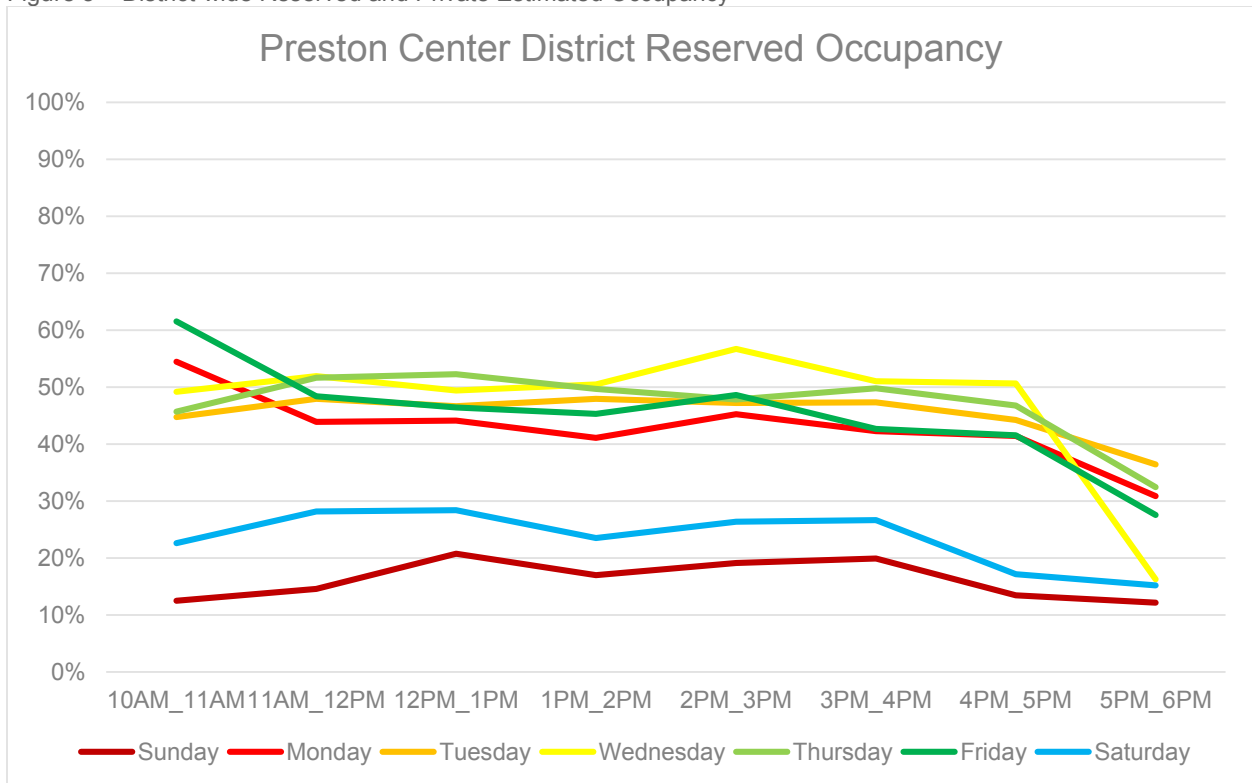


Figure 5 – District-wide Reserved and Private Estimated Occupancy



Overall, on-street facilities maintained occupancies around 70% throughout the observation periods on typical weekdays. Facilities closer to the center of the district tended to have higher utilization than facilities on the periphery of the study area. Surface lots hovered around 50% occupancy on typical weekdays. Garages as a whole peaked at 68% utilization during the 12:00 PM to 1:00 PM observation period. The Berkshire garage and the Gold's Gym garage exhibited lower utilization than the Parking Deck. The Parking Deck showed a pronounced peak at about 80% utilization during the 12:00 PM to 1:00 PM period on the typical weekdays. Occupancy trends for on-street facilities, surface lot facilities, all garages, and the Parking Deck are shown in **Figures 6 – 9**.

Figure 6 – On-Street Lot Occupancies

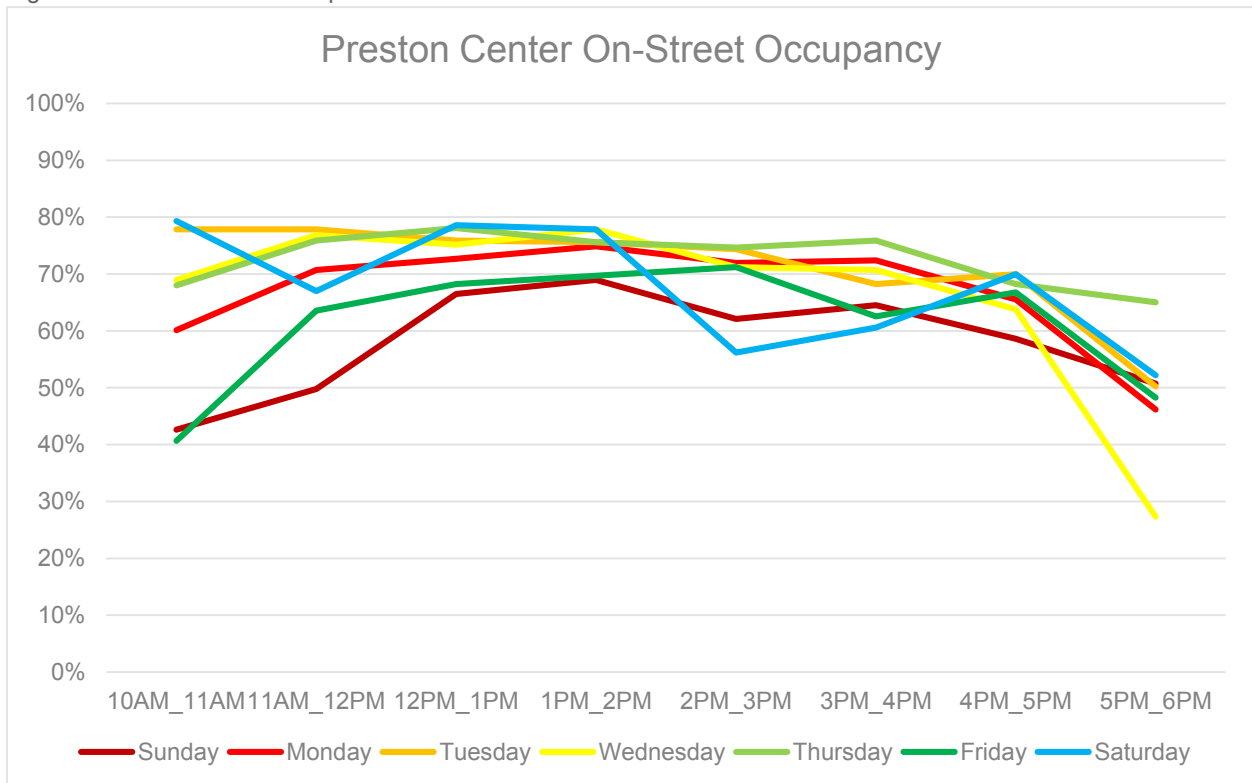


Figure 7 – Surface Lot Occupancies

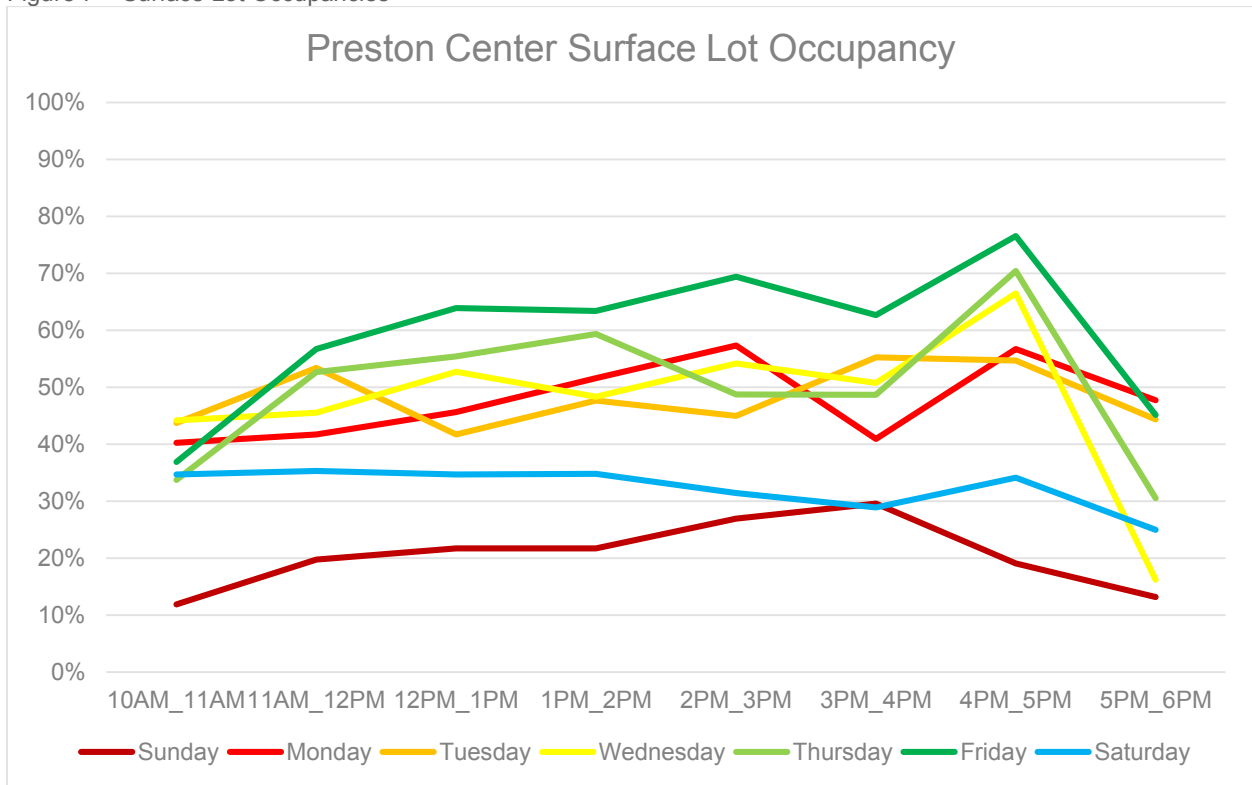


Figure 8 – Structured Facilities Occupancies

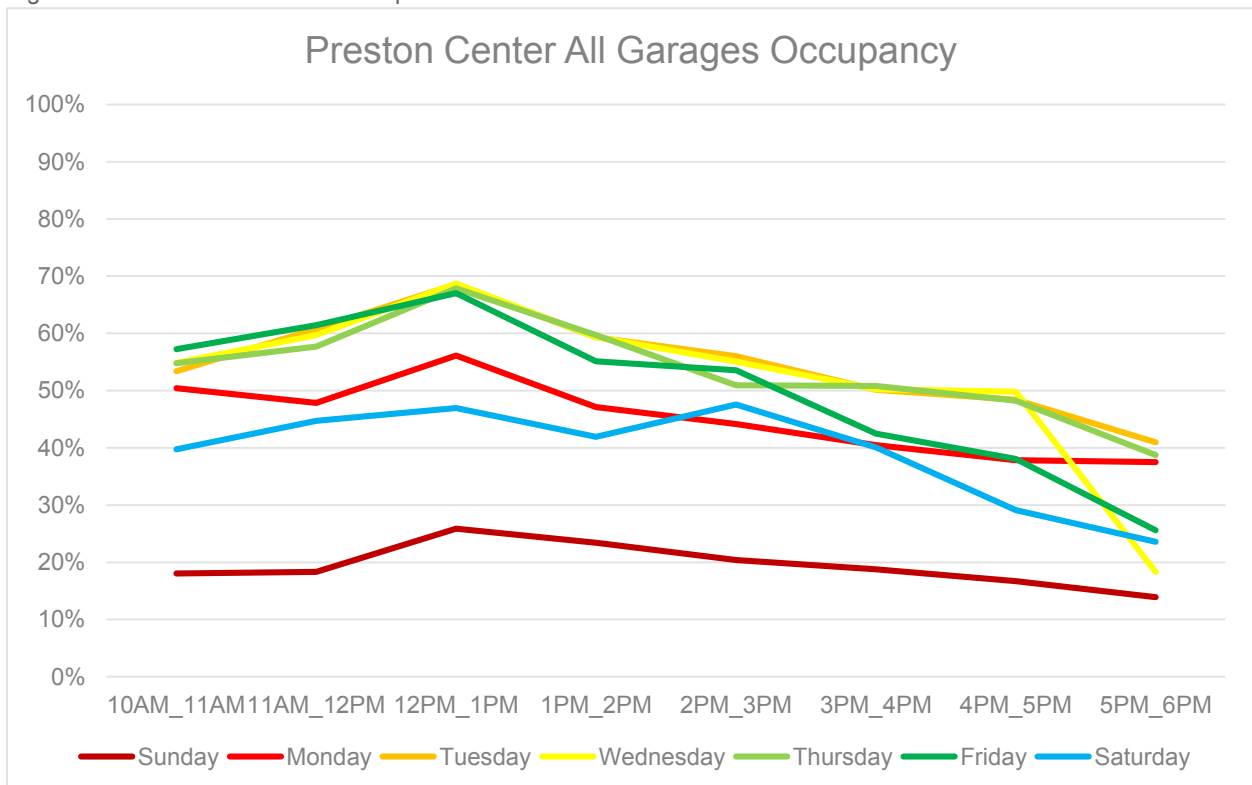
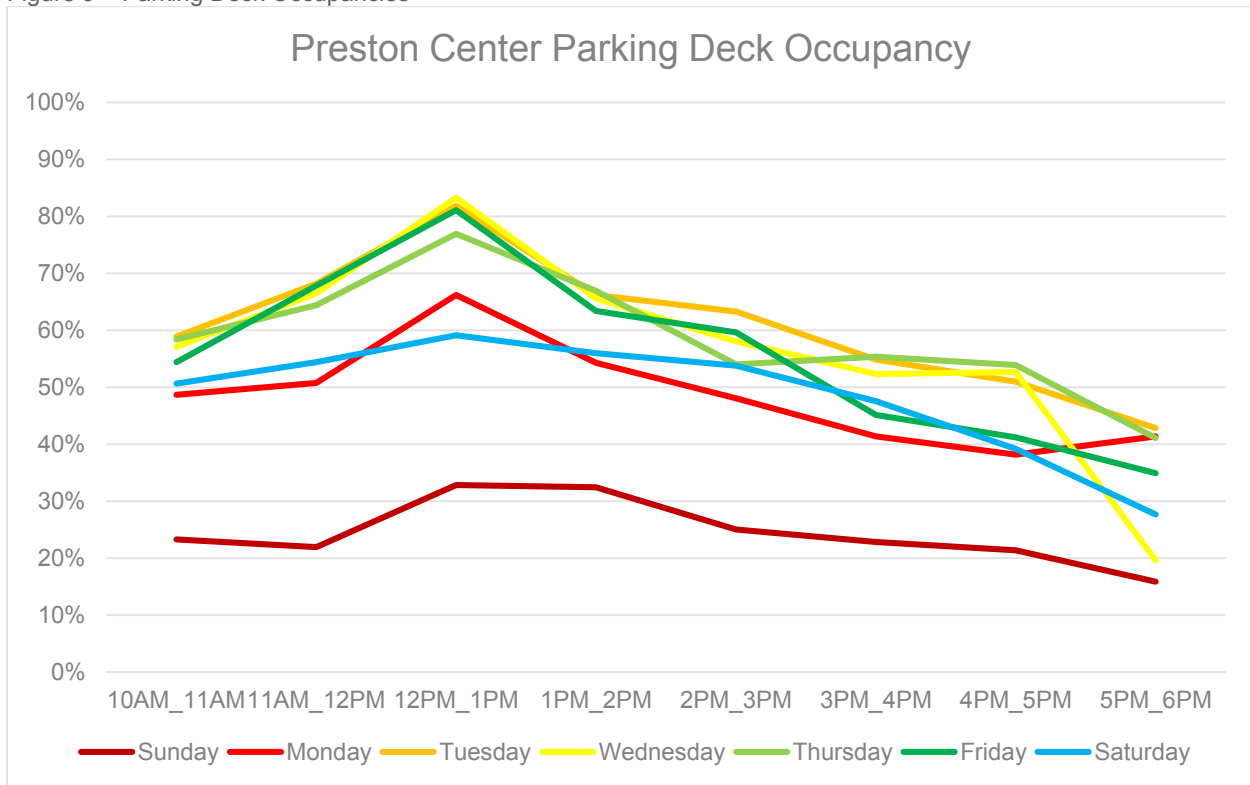


Figure 9 – Parking Deck Occupancies



Each of the three parking garages serve very different users. Additionally, the Parking Deck’s lower and upper floors target different users. Occupancies for all four of these facilities are shown in **Figures 10 – 13**. The Berkshire and Gold’s Gym garages had a consistent occupancy around 50% on weekdays with no clear peak period. The Parking Deck saw a sharp peak during the 12:00 PM to 1:00 PM period on both floors with high occupancies

Figure 10 – Berkshire Garage Occupancies

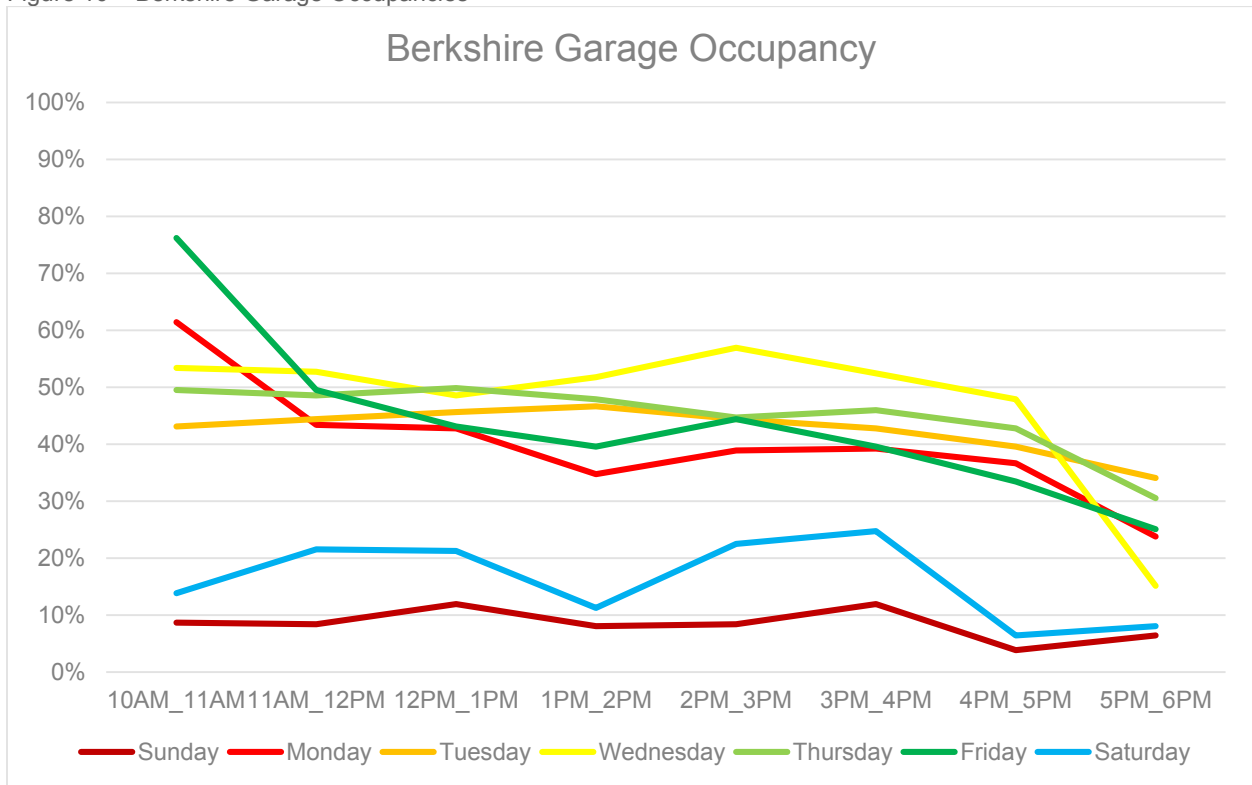


Figure 11 – Gold's Gym Garage Occupancies

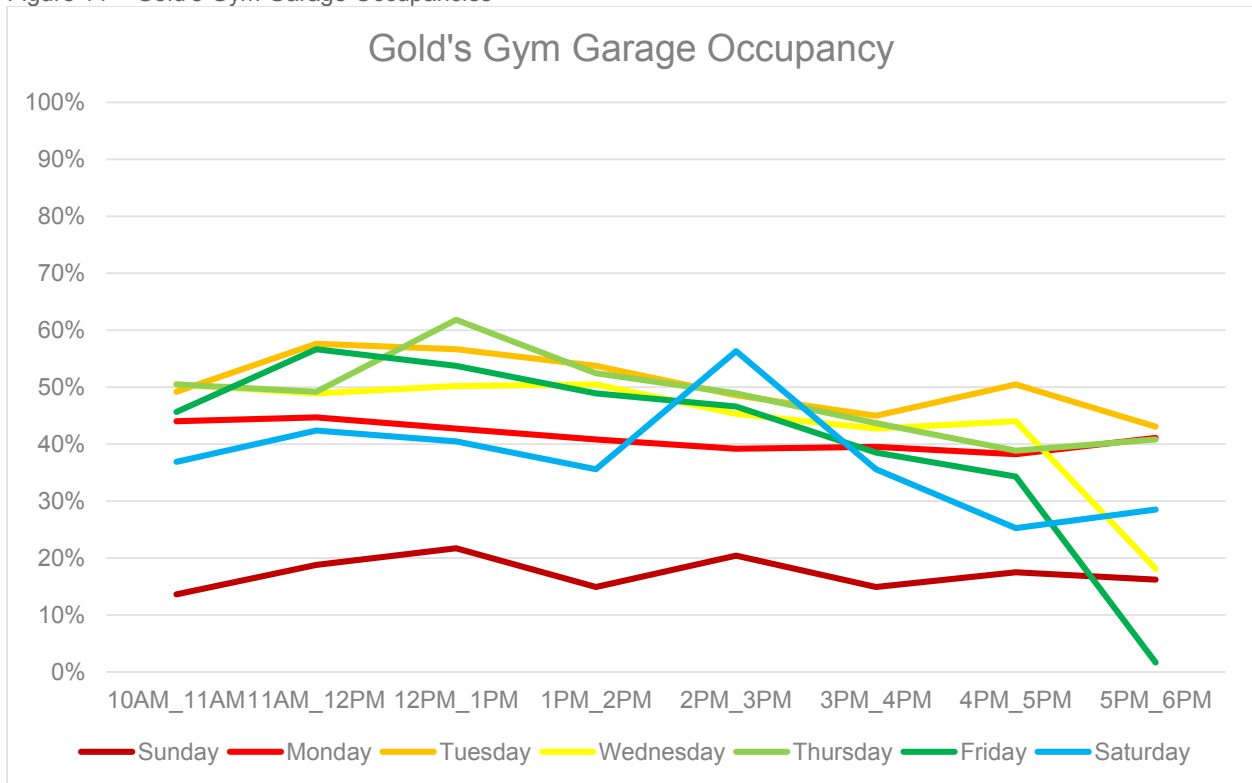


Figure 12 – Parking Deck (Lower) Occupancies

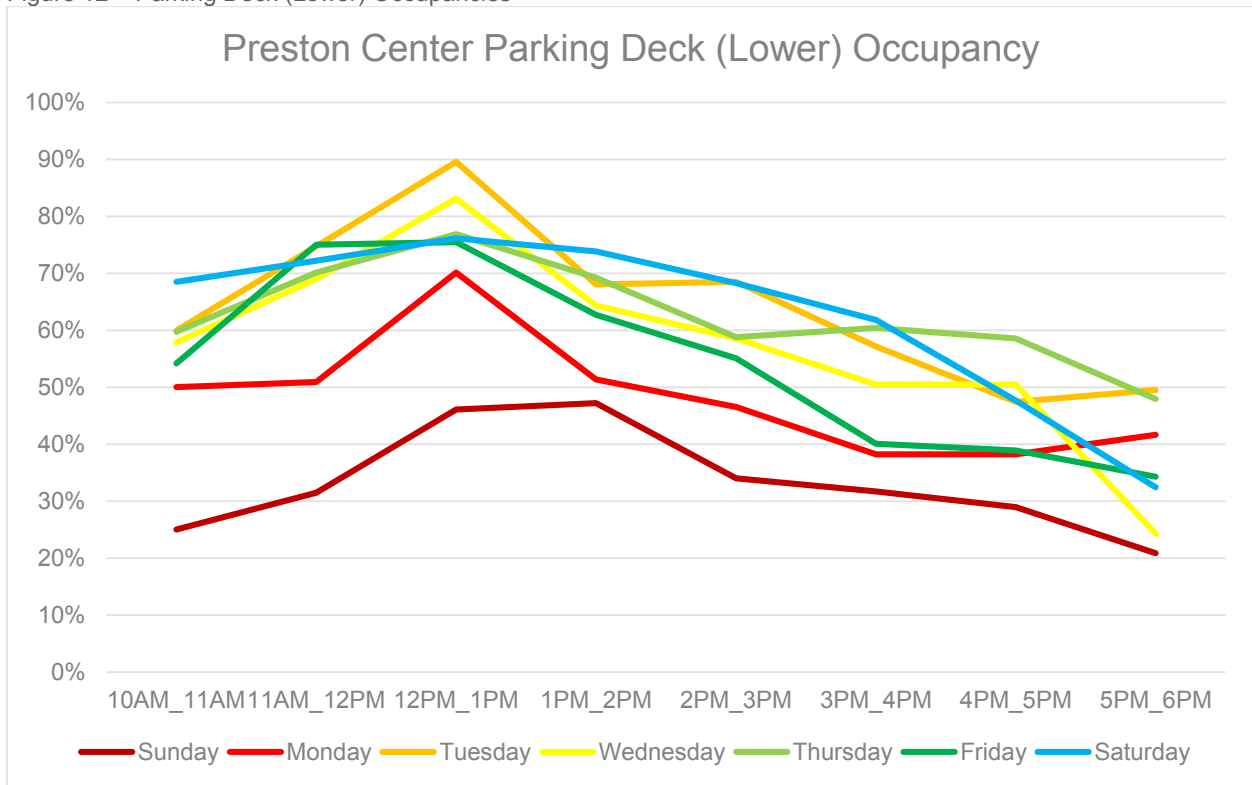
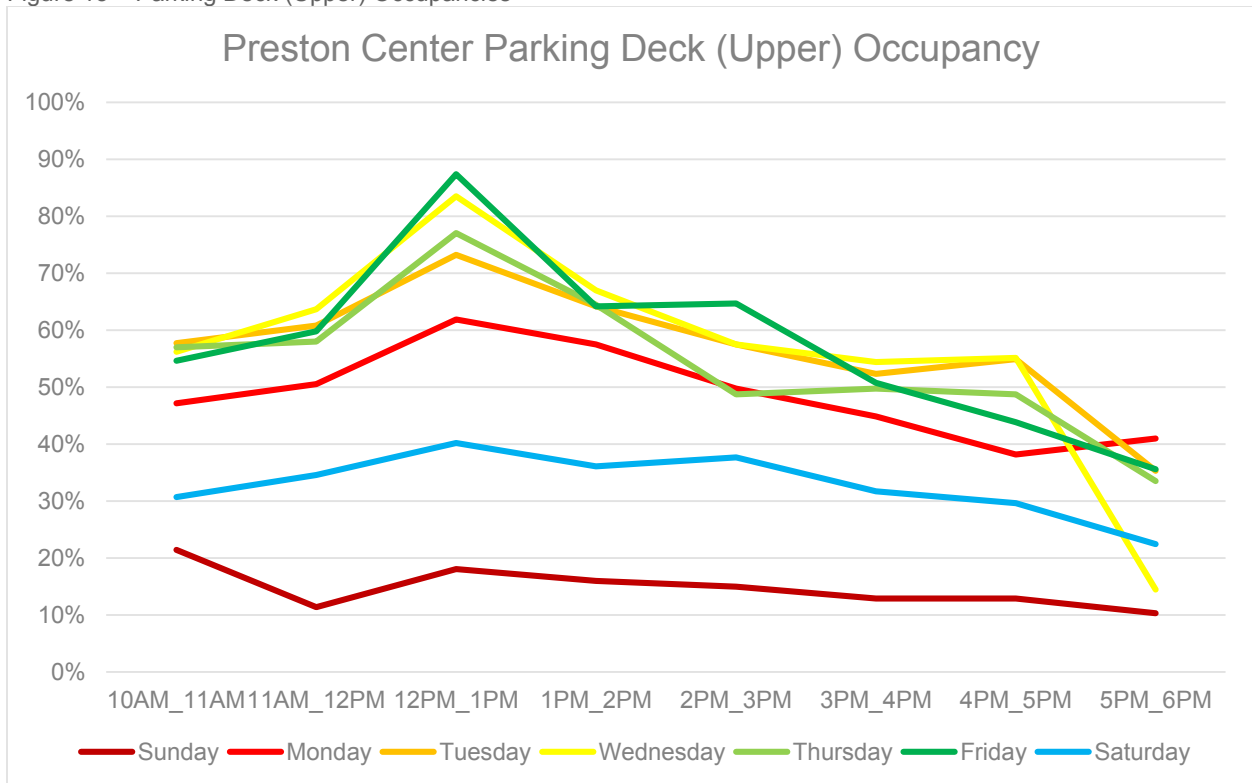
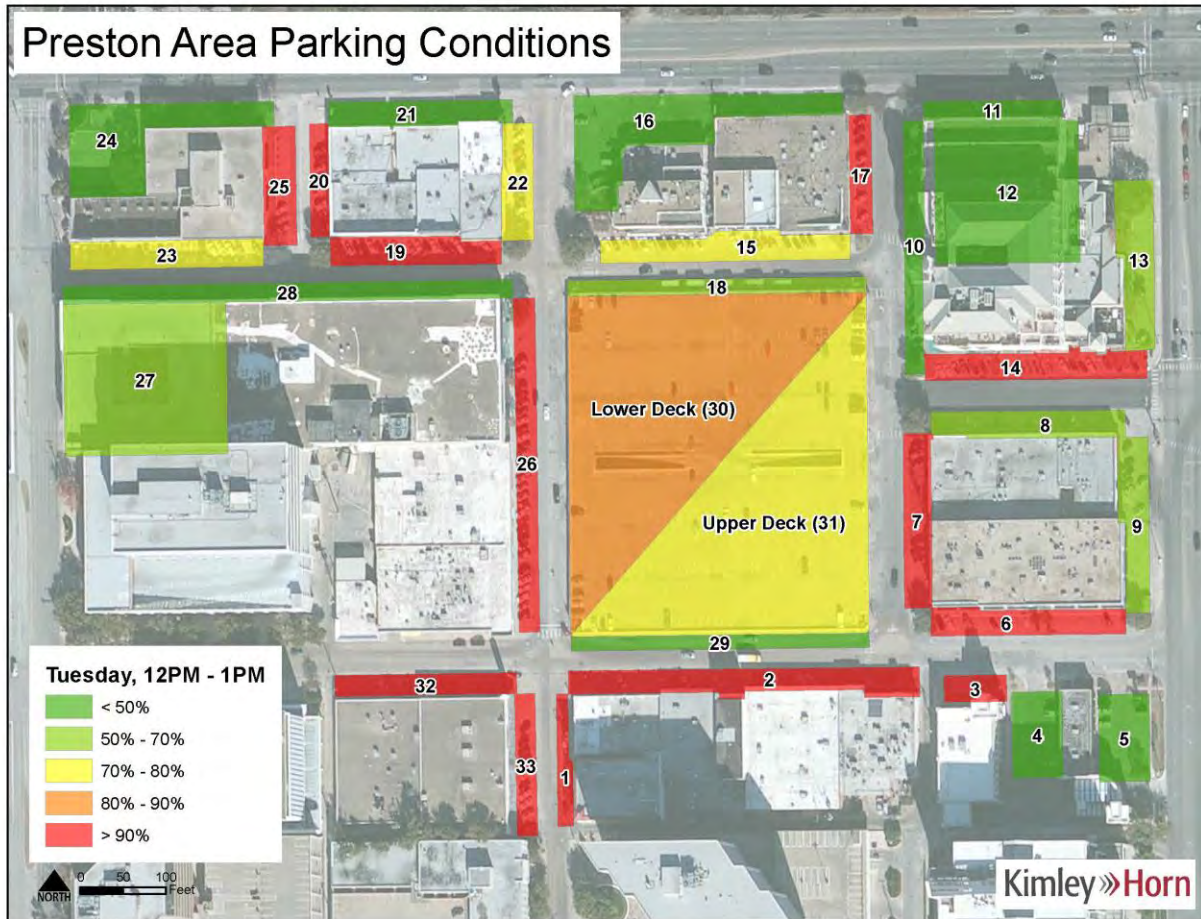


Figure 13 – Parking Deck (Upper) Occupancies



The distribution of occupancy during the peak period appears to have a relationship with facility proximity to the center of the district. **Figure 14** shows a map of occupancies during the peak period on Tuesday.

Figure 14 – Tuesday Peak Period Occupancies



Occupancies should be considered through the lens of effective supply. Effective supply represents a percentage of total supply that is the maximum amount of spaces that should be utilized to maintain internal traffic flow and reduce instances of “cruising” for parking spaces. Observed occupancies at 85% for public spaces and 90% - 95% for reserved spaces typically constitute the effective maximum supply for facilities to maintain acceptable operations. Measurements at or above these level indicate a pressure to increase supply or control demand. Measurements below this range indicate acceptable parking occupancy conditions. All occupancy observations from this data collection effort can be found attached to this memorandum.

Parking Duration

The amount of time users parked in a particular facility was calculated to determine the amount of turnover occurring at each facility. Duration can help determine where long-term parkers, like employees, and short-term parkers, like customers, are parking. Duration data can be used to investigate potential time restrictions on certain spaces that incentivize the appropriate users of a facility. Average durations for each facility can be seen in the attachments of this memorandum.

Parking duration was analyzed by facility type. Users of garages and the Parking Deck had the longest average parking duration around two hours. Surface lots had slightly short durations with a peak of 100 minutes on Wednesday. On-street parking had the shortest duration with turnover occurring on average every 40 minutes. These trends can be seen in **Figure 15**. A map of all facility duration on Thursday can be seen on **Figure 16**.

Figure 15 – Average Duration

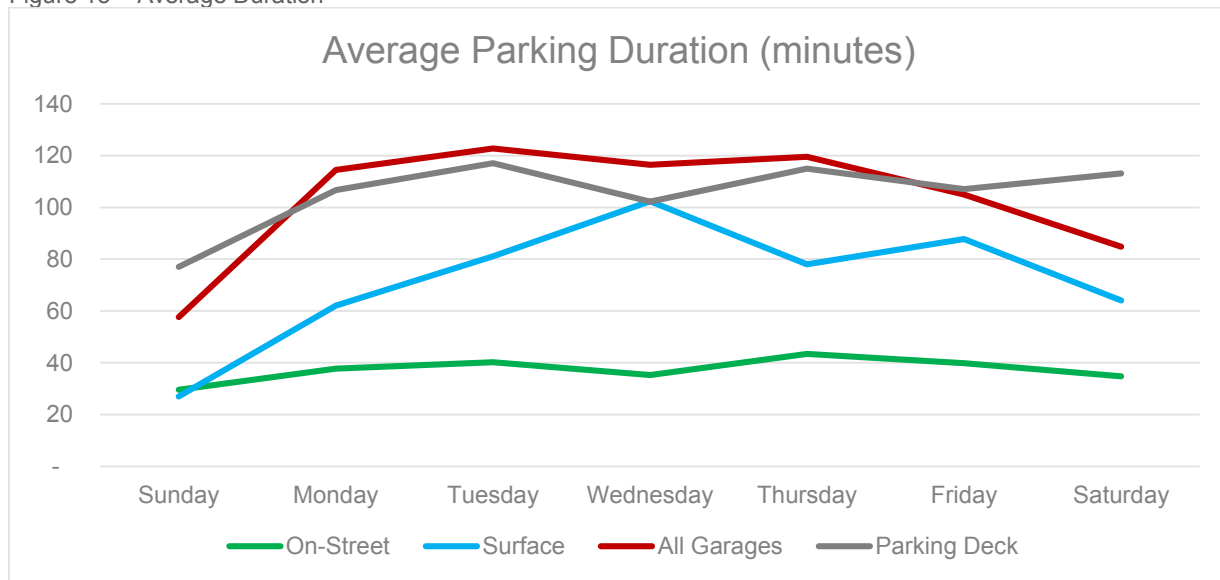
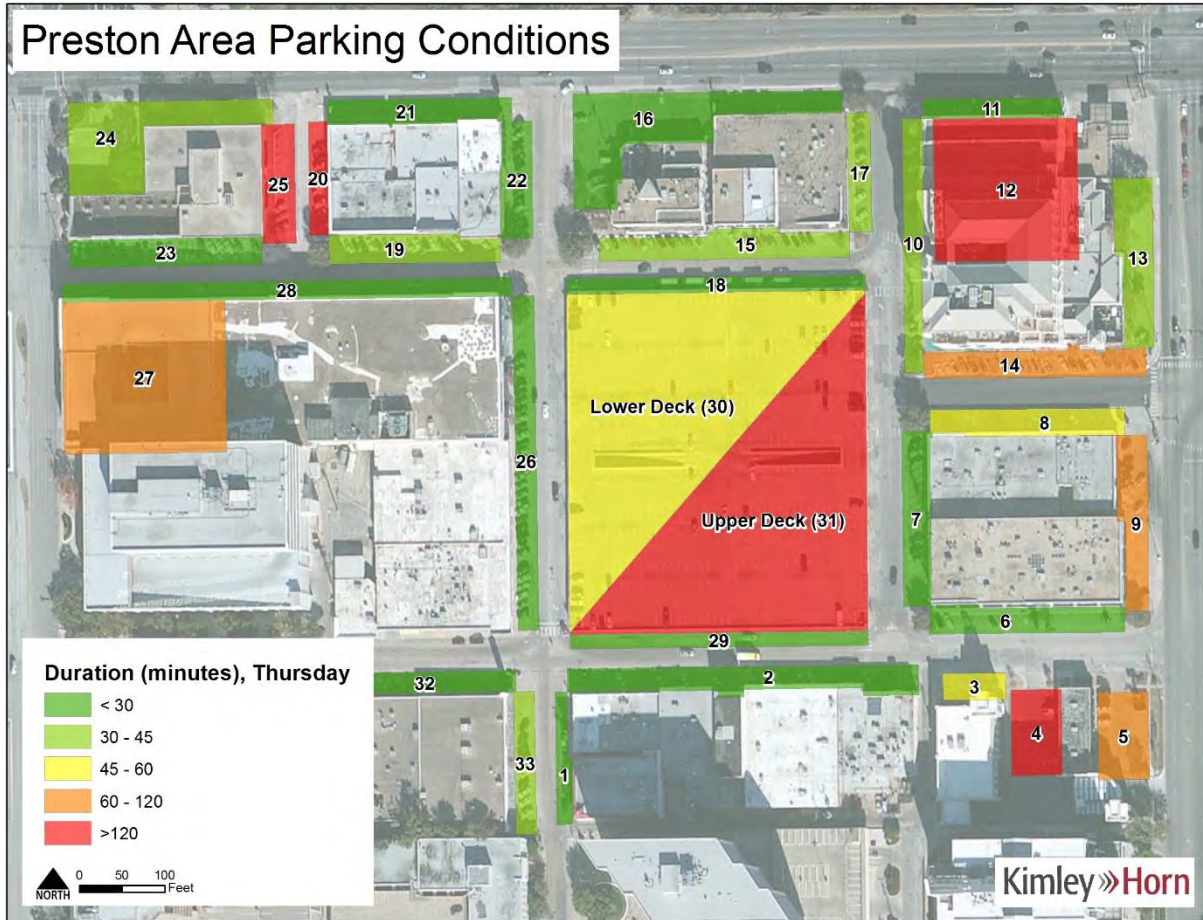


Figure 16 – Thursday Duration by Facility



The City has noted that it is particularly concerned with users parking for extended periods of time on on-street facilities and in the lower portion of the Parking Deck. **Figures 17 - 19** show cohorts of parkers based on how long they utilized these facilities on Thursday.

Figure 17 – On-Street User Duration

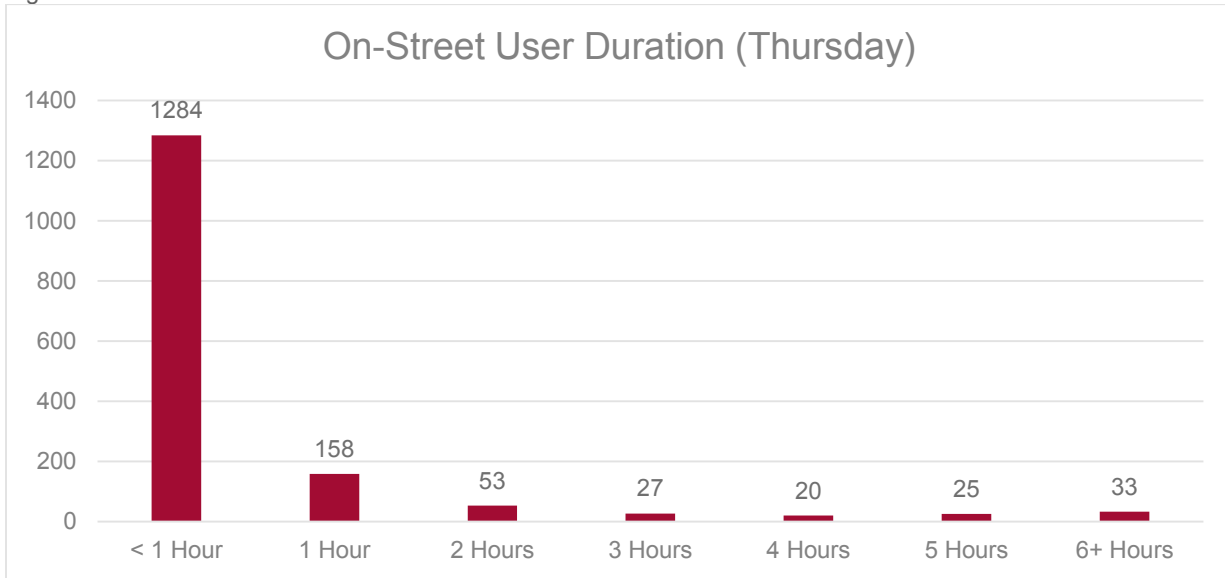


Figure 18 – Lower Parking Deck Duration

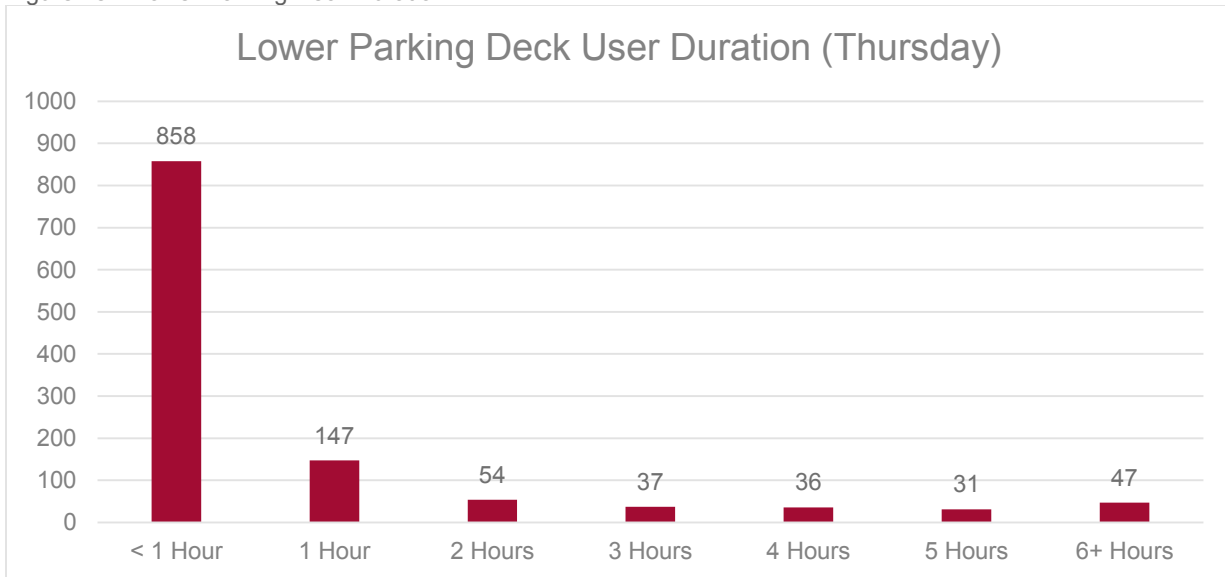
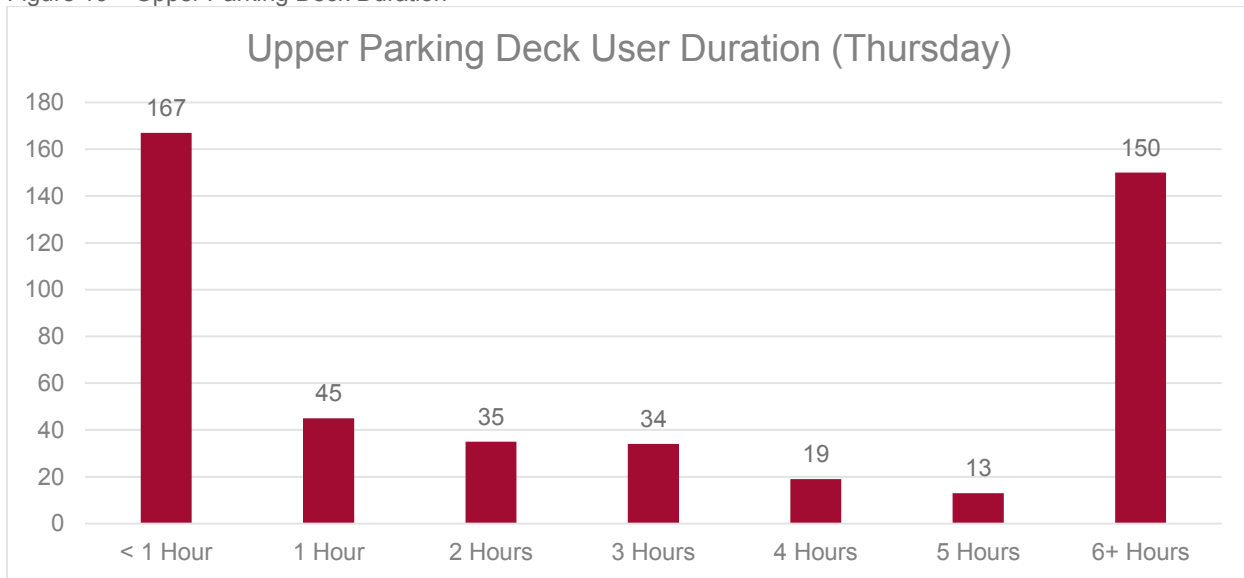


Figure 19 – Upper Parking Deck Duration



Findings

Based on observed occupancies, public parking facilities are approaching a recommended effective capacity of 85% during the peak period with specific lots exceeding this threshold. Wayfinding and signage could be used to better distribute users to underutilized facilities on the periphery of the district. As development occurs, utilization may increase to the point where travel demand strategies will need to be implemented to control parking demand. Another alternative would be to increase parking supply to meet any additional demand beyond the 85% effective supply threshold. Reserved and private lot occupancies are well below the recommended effective supply threshold even during peak periods. There is a potential opportunity for shared use agreements to increase the amount of public parking with the excess reserved spaces.

Duration data shows that many users are in violation of parking time restrictions in certain facilities. The lower portion of the Parking Deck has a three hour time limit. On Thursday of the data collection week, at least 114 unique users were observed to have parked in excess of this time limit. Long-term parkers in commercial districts tend to be employees. To enhance the turn-over of high demand facilities and encourage employees to park in the desired locations, enforcement of parking restrictions is recommended.

Facility Occupancy Tables

Sunday

Lot	10AM_11AM	11AM_12PM	12PM_1PM	1PM_2PM	2PM_3PM	3PM_4PM	4PM_5PM	5PM_6PM
1	100%	83%	100%	67%	67%	100%	100%	33%
2	100%	91%	97%	100%	82%	76%	65%	79%
3	0%	0%	0%	0%	0%	0%	0%	0%
4	0%	0%	2%	2%	2%	2%	2%	0%
5	12%	35%	88%	53%	59%	59%	41%	35%
6	17%	22%	72%	100%	39%	33%	28%	28%
7	11%	5%	32%	100%	32%	100%	11%	21%
8	6%	17%	78%	100%	67%	72%	78%	50%
9	21%	26%	63%	100%	84%	68%	68%	53%
10	65%	12%	82%	100%	88%	100%	71%	76%
11	20%	0%	10%	80%	10%	30%	60%	20%
12	9%	8%	12%	8%	8%	12%	4%	6%
13	6%	25%	25%	6%	19%	0%	38%	0%
14	35%	76%	82%	0%	76%	35%	59%	71%
15	48%	52%	56%	52%	28%	36%	32%	8%
16	15%	15%	8%	54%	38%	62%	54%	31%
17	86%	71%	100%	86%	100%	86%	100%	29%
18	38%	38%	23%	0%	8%	31%	0%	0%
19	33%	61%	72%	61%	89%	83%	83%	89%
20	0%	42%	58%	67%	67%	33%	67%	75%
21	16%	16%	37%	32%	42%	53%	32%	26%
22	54%	38%	54%	46%	62%	54%	69%	31%
23	42%	74%	68%	74%	42%	37%	63%	63%
24	24%	33%	0%	0%	24%	19%	0%	0%
25	27%	55%	18%	36%	82%	36%	64%	64%
26	69%	100%	100%	100%	100%	100%	100%	100%
27	14%	19%	22%	15%	20%	15%	17%	16%
28	5%	25%	45%	45%	35%	60%	30%	25%
29	17%	17%	75%	17%	42%	100%	8%	0%
30	25%	31%	46%	47%	34%	32%	29%	21%
31	21%	11%	18%	16%	15%	13%	13%	10%
32	88%	94%	100%	100%	100%	100%	100%	100%
33	93%	86%	93%	100%	100%	100%	100%	79%

Facility Occupancy Tables

Monday

Lot	10AM_11AM	11AM_12PM	12PM_1PM	1PM_2PM	2PM_3PM	3PM_4PM	4PM_5PM	5PM_6PM
1	100%	100%	100%	100%	100%	67%	100%	100%
2	100%	100%	100%	100%	88%	100%	50%	75%
3	100%	100%	100%	100%	100%	100%	100%	67%
4	40%	30%	30%	27%	40%	37%	37%	22%
5	24%	41%	59%	53%	65%	59%	47%	41%
6	89%	100%	100%	94%	100%	100%	83%	67%
7	100%	84%	95%	84%	89%	84%	84%	58%
8	50%	61%	67%	94%	78%	72%	67%	39%
9	32%	37%	47%	53%	58%	58%	47%	32%
10	100%	100%	53%	76%	82%	88%	82%	41%
11	0%	10%	10%	70%	100%	80%	10%	0%
12	61%	43%	43%	35%	39%	39%	37%	24%
13	0%	0%	0%	0%	0%	0%	0%	0%
14	0%	82%	88%	88%	82%	82%	18%	65%
15	28%	100%	100%	100%	80%	100%	88%	48%
16	8%	0%	15%	0%	0%	0%	8%	0%
17	0%	100%	71%	86%	100%	71%	100%	43%
18	8%	15%	23%	31%	31%	15%	38%	15%
19	61%	72%	72%	83%	67%	83%	89%	72%
20	100%	92%	100%	100%	100%	33%	100%	100%
21	32%	16%	21%	21%	32%	21%	16%	16%
22	100%	100%	100%	100%	100%	100%	100%	100%
23	63%	58%	74%	74%	79%	100%	100%	63%
24	57%	62%	52%	90%	90%	38%	100%	100%
25	9%	9%	9%	18%	0%	0%	0%	0%
26	100%	100%	100%	100%	100%	100%	100%	78%
27	44%	45%	43%	41%	39%	39%	38%	41%
28	50%	45%	65%	65%	35%	35%	75%	30%
29	17%	58%	58%	0%	0%	33%	8%	0%
30	50%	51%	70%	51%	47%	38%	38%	42%
31	47%	51%	62%	57%	50%	45%	38%	41%
32	94%	88%	100%	88%	100%	100%	82%	0%
33	100%	100%	100%	100%	93%	100%	100%	7%

Facility Occupancy Tables

Tuesday

Lot	10AM_11AM	11AM_12PM	12PM_1PM	1PM_2PM	2PM_3PM	3PM_4PM	4PM_5PM	5PM_6PM
1	83%	83%	100%	100%	100%	0%	50%	100%
2	97%	94%	94%	94%	91%	88%	94%	91%
3	83%	100%	100%	100%	100%	100%	100%	33%
4	27%	40%	30%	27%	32%	47%	40%	30%
5	35%	35%	35%	59%	65%	82%	82%	53%
6	94%	83%	100%	89%	67%	100%	61%	50%
7	79%	79%	100%	100%	89%	100%	100%	63%
8	39%	61%	61%	78%	67%	50%	33%	33%
9	53%	58%	53%	58%	32%	63%	42%	37%
10	100%	82%	35%	12%	88%	100%	100%	35%
11	70%	60%	20%	10%	10%	70%	70%	0%
12	43%	44%	46%	47%	44%	43%	40%	34%
13	25%	31%	56%	56%	63%	38%	44%	0%
14	71%	88%	94%	59%	94%	82%	41%	6%
15	100%	96%	80%	80%	80%	96%	68%	4%
16	54%	54%	46%	31%	15%	38%	31%	0%
17	71%	100%	100%	100%	100%	100%	100%	86%
18	23%	38%	62%	46%	46%	23%	38%	23%
19	94%	89%	100%	78%	89%	89%	78%	39%
20	100%	92%	100%	100%	83%	8%	100%	25%
21	42%	63%	47%	26%	53%	42%	26%	32%
22	77%	62%	77%	69%	100%	54%	92%	38%
23	79%	74%	79%	89%	100%	47%	53%	11%
24	48%	67%	38%	52%	43%	38%	48%	81%
25	100%	100%	100%	100%	100%	100%	100%	100%
26	97%	100%	100%	100%	100%	100%	88%	100%
27	49%	58%	57%	54%	49%	45%	50%	43%
28	85%	45%	35%	55%	40%	65%	75%	100%
29	33%	67%	0%	100%	0%	0%	50%	0%
30	60%	75%	90%	68%	69%	57%	47%	50%
31	58%	61%	73%	64%	57%	52%	55%	35%
32	100%	94%	94%	100%	82%	0%	65%	94%
33	100%	100%	100%	100%	71%	100%	100%	100%

Facility Occupancy Tables

Wednesday

Lot	10AM_11AM	11AM_12PM	12PM_1PM	1PM_2PM	2PM_3PM	3PM_4PM	4PM_5PM	5PM_6PM
1	100%	67%	100%	100%	50%	67%	100%	0%
2	82%	94%	79%	97%	85%	88%	88%	26%
3	100%	100%	100%	100%	100%	100%	100%	33%
4	40%	40%	42%	25%	32%	40%	45%	17%
5	53%	35%	53%	53%	88%	76%	71%	35%
6	94%	83%	100%	100%	89%	89%	89%	56%
7	100%	95%	100%	89%	89%	100%	100%	32%
8	56%	94%	83%	100%	72%	72%	67%	22%
9	16%	53%	42%	53%	42%	37%	37%	32%
10	24%	65%	29%	100%	47%	35%	0%	29%
11	0%	0%	0%	0%	0%	0%	0%	0%
12	53%	53%	49%	52%	57%	52%	48%	15%
13	0%	38%	38%	19%	50%	38%	31%	6%
14	65%	59%	88%	88%	100%	65%	71%	29%
15	80%	88%	92%	68%	80%	84%	60%	28%
16	15%	31%	31%	38%	8%	15%	23%	8%
17	71%	100%	57%	86%	100%	71%	100%	0%
18	69%	31%	54%	38%	31%	62%	38%	15%
19	94%	100%	94%	100%	100%	89%	83%	33%
20	100%	75%	100%	100%	100%	100%	100%	33%
21	42%	47%	26%	26%	21%	16%	26%	5%
22	62%	77%	77%	54%	85%	54%	62%	31%
23	89%	100%	100%	100%	100%	100%	84%	26%
24	43%	52%	62%	57%	62%	48%	100%	0%
25	100%	91%	100%	100%	91%	82%	100%	9%
26	100%	100%	100%	100%	100%	100%	69%	72%
27	50%	49%	50%	50%	45%	43%	44%	18%
28	60%	90%	80%	45%	35%	70%	25%	5%
29	67%	0%	58%	58%	0%	0%	0%	8%
30	58%	69%	83%	64%	59%	50%	50%	24%
31	56%	64%	84%	67%	57%	54%	55%	14%
32	76%	100%	82%	100%	76%	94%	100%	35%
33	71%	100%	64%	100%	93%	93%	100%	29%

Facility Occupancy Tables

Thursday

Lot	10AM_11AM	11AM_12PM	12PM_1PM	1PM_2PM	2PM_3PM	3PM_4PM	4PM_5PM	5PM_6PM
1	83%	100%	100%	67%	100%	83%	100%	67%
2	91%	91%	100%	91%	82%	94%	76%	79%
3	100%	100%	100%	100%	100%	100%	100%	33%
4	35%	47%	37%	37%	42%	47%	45%	27%
5	24%	65%	35%	53%	65%	65%	71%	65%
6	94%	83%	100%	100%	89%	100%	83%	89%
7	84%	100%	100%	100%	89%	95%	89%	63%
8	56%	67%	72%	89%	72%	50%	72%	33%
9	53%	63%	63%	42%	63%	74%	37%	42%
10	6%	47%	88%	35%	100%	100%	88%	59%
11	0%	60%	0%	0%	0%	0%	0%	0%
12	50%	49%	50%	48%	45%	46%	43%	31%
13	19%	56%	0%	38%	44%	50%	0%	13%
14	41%	76%	47%	100%	76%	71%	0%	53%
15	64%	80%	72%	100%	96%	72%	56%	88%
16	23%	23%	15%	54%	23%	15%	46%	31%
17	86%	86%	71%	86%	100%	57%	100%	100%
18	38%	46%	100%	38%	15%	38%	31%	31%
19	100%	89%	100%	100%	100%	94%	100%	94%
20	83%	83%	92%	92%	100%	100%	100%	67%
21	21%	47%	63%	42%	32%	53%	53%	32%
22	69%	62%	69%	38%	77%	69%	62%	46%
23	95%	100%	100%	100%	100%	100%	89%	68%
24	29%	52%	100%	76%	43%	43%	100%	5%
25	100%	100%	82%	91%	91%	100%	82%	91%
26	100%	100%	100%	100%	100%	100%	100%	100%
27	50%	49%	62%	52%	49%	44%	39%	41%
28	85%	45%	95%	40%	45%	45%	95%	45%
29	0%	0%	0%	42%	0%	0%	0%	58%
30	60%	70%	77%	69%	59%	60%	59%	48%
31	57%	58%	77%	64%	49%	50%	49%	34%
32	94%	100%	94%	94%	94%	88%	94%	100%
33	100%	100%	79%	100%	64%	100%	86%	86%

Facility Occupancy Tables

Friday

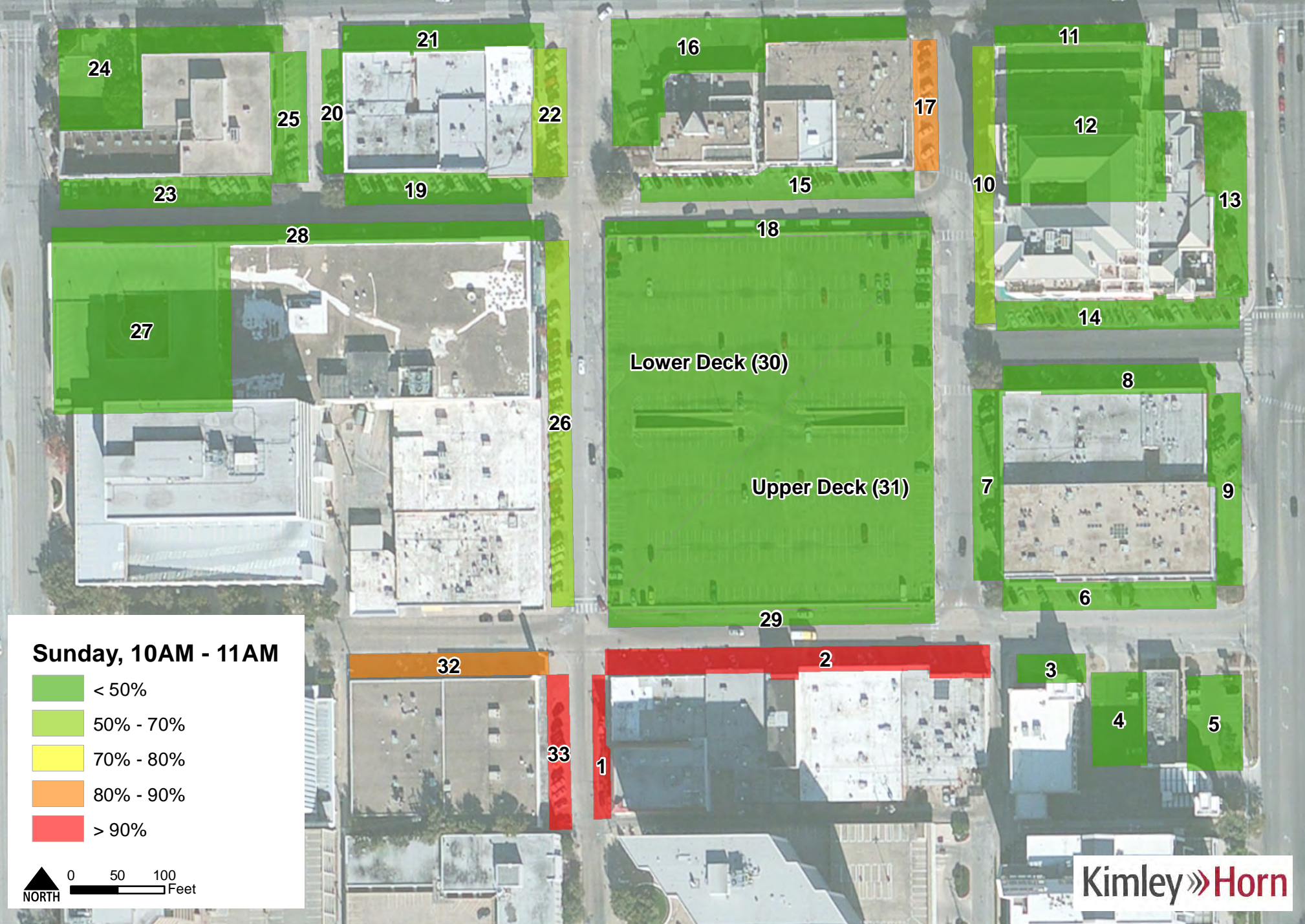
Lot	10AM_11AM	11AM_12PM	12PM_1PM	1PM_2PM	2PM_3PM	3PM_4PM	4PM_5PM	5PM_6PM
1	0%	100%	50%	100%	50%	50%	100%	67%
2	0%	94%	97%	94%	94%	76%	100%	50%
3	0%	100%	100%	100%	100%	83%	83%	17%
4	0%	37%	40%	32%	25%	35%	32%	17%
5	0%	41%	59%	71%	65%	59%	76%	59%
6	50%	89%	83%	100%	89%	100%	72%	67%
7	0%	95%	95%	79%	89%	95%	95%	47%
8	0%	83%	83%	94%	83%	67%	50%	39%
9	5%	58%	53%	79%	68%	63%	26%	37%
10	65%	12%	88%	100%	0%	100%	53%	59%
11	10%	0%	0%	0%	0%	20%	20%	0%
12	76%	50%	43%	40%	44%	40%	33%	25%
13	19%	0%	6%	19%	25%	0%	38%	0%
14	53%	88%	100%	94%	94%	35%	94%	47%
15	80%	80%	84%	88%	72%	56%	80%	52%
16	100%	100%	100%	100%	100%	100%	100%	100%
17	71%	86%	86%	71%	100%	100%	100%	71%
18	46%	31%	100%	38%	46%	38%	46%	54%
19	94%	100%	94%	89%	72%	78%	83%	61%
20	92%	92%	17%	92%	100%	100%	83%	75%
21	37%	42%	53%	53%	58%	42%	53%	42%
22	54%	62%	85%	77%	62%	62%	62%	23%
23	74%	100%	100%	100%	95%	84%	79%	79%
24	71%	48%	57%	52%	86%	62%	100%	33%
25	91%	100%	100%	91%	100%	100%	100%	91%
26	0%	3%	0%	3%	94%	0%	3%	0%
27	46%	57%	54%	49%	47%	39%	34%	2%
28	40%	50%	45%	55%	70%	35%	80%	80%
29	0%	0%	0%	8%	0%	75%	25%	0%
30	54%	75%	75%	63%	55%	40%	39%	34%
31	55%	60%	87%	64%	65%	51%	44%	36%
32	82%	76%	100%	76%	76%	94%	100%	71%
33	86%	100%	100%	71%	86%	93%	100%	93%

Facility Occupancy Tables

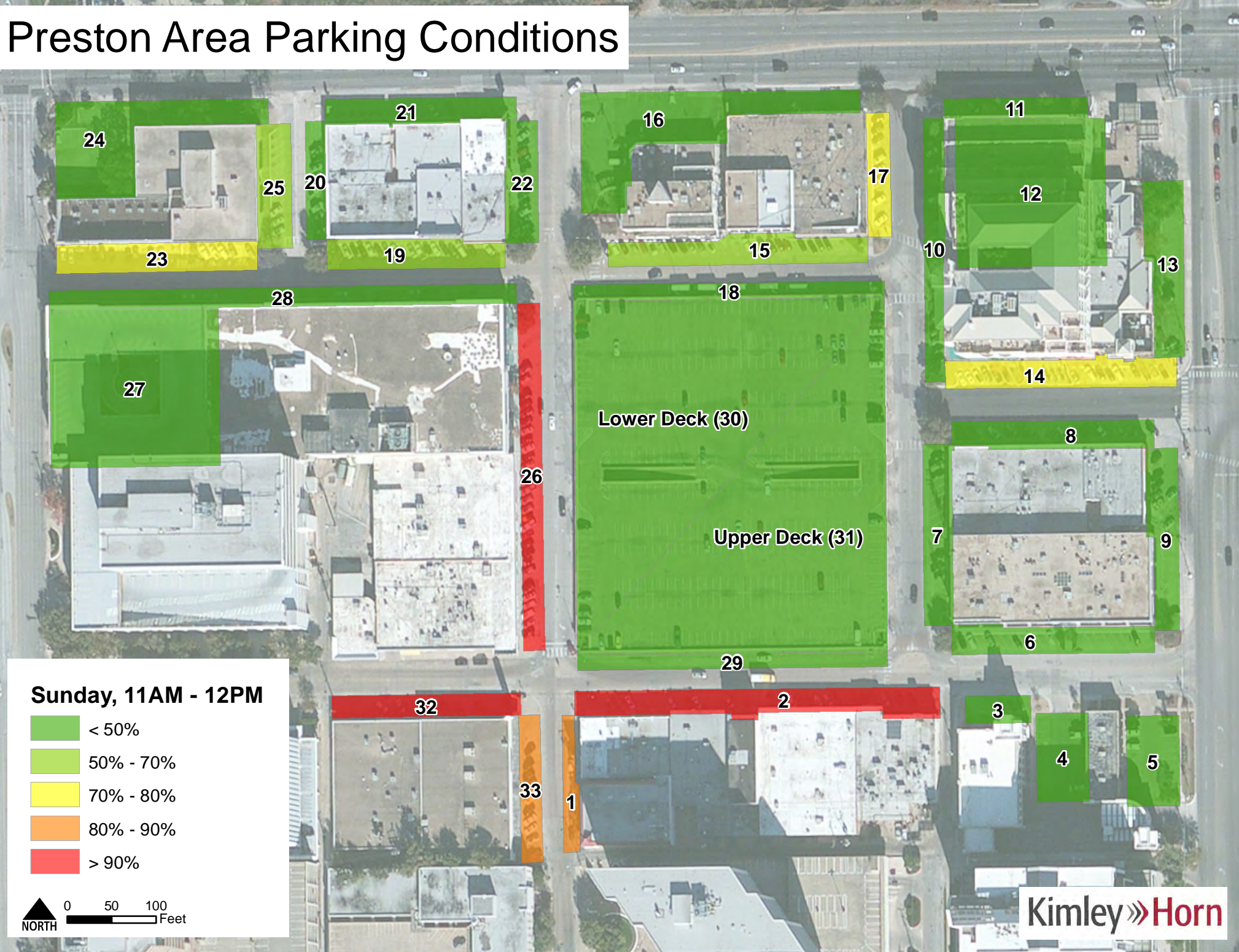
Saturday

Lot	10AM_11AM	11AM_12PM	12PM_1PM	1PM_2PM	2PM_3PM	3PM_4PM	4PM_5PM	5PM_6PM
1	100%	100%	100%	83%	100%	67%	100%	83%
2	100%	94%	100%	97%	100%	97%	88%	71%
3	100%	83%	83%	83%	83%	50%	83%	67%
4	12%	15%	12%	7%	10%	5%	5%	5%
5	53%	59%	65%	76%	88%	59%	47%	65%
6	89%	94%	100%	83%	100%	78%	72%	50%
7	100%	74%	100%	95%	63%	79%	89%	84%
8	100%	61%	72%	78%	78%	67%	83%	83%
9	58%	63%	53%	100%	63%	63%	58%	37%
10	94%	0%	12%	100%	18%	94%	82%	71%
11	0%	0%	0%	0%	0%	10%	20%	90%
12	14%	22%	21%	11%	23%	25%	6%	8%
13	0%	19%	19%	44%	0%	0%	38%	0%
14	47%	53%	88%	100%	24%	12%	65%	35%
15	92%	76%	88%	100%	76%	4%	60%	36%
16	31%	31%	23%	31%	15%	46%	46%	15%
17	57%	71%	86%	100%	100%	71%	100%	71%
18	85%	62%	77%	62%	54%	62%	62%	38%
19	94%	89%	89%	89%	83%	94%	89%	100%
20	83%	83%	100%	67%	100%	67%	83%	50%
21	53%	42%	53%	21%	26%	0%	42%	32%
22	85%	85%	85%	62%	0%	54%	54%	46%
23	84%	100%	100%	100%	0%	100%	89%	42%
24	24%	24%	24%	14%	0%	10%	29%	5%
25	100%	100%	100%	45%	0%	73%	55%	64%
26	100%	100%	100%	100%	100%	78%	100%	69%
27	37%	42%	40%	36%	56%	36%	25%	28%
28	40%	35%	45%	40%	0%	55%	35%	45%
29	100%	50%	100%	0%	0%	0%	0%	0%
30	69%	72%	76%	74%	68%	62%	48%	32%
31	31%	35%	40%	36%	38%	32%	30%	22%
32	88%	12%	100%	100%	82%	88%	88%	0%
33	100%	100%	86%	100%	100%	93%	79%	57%

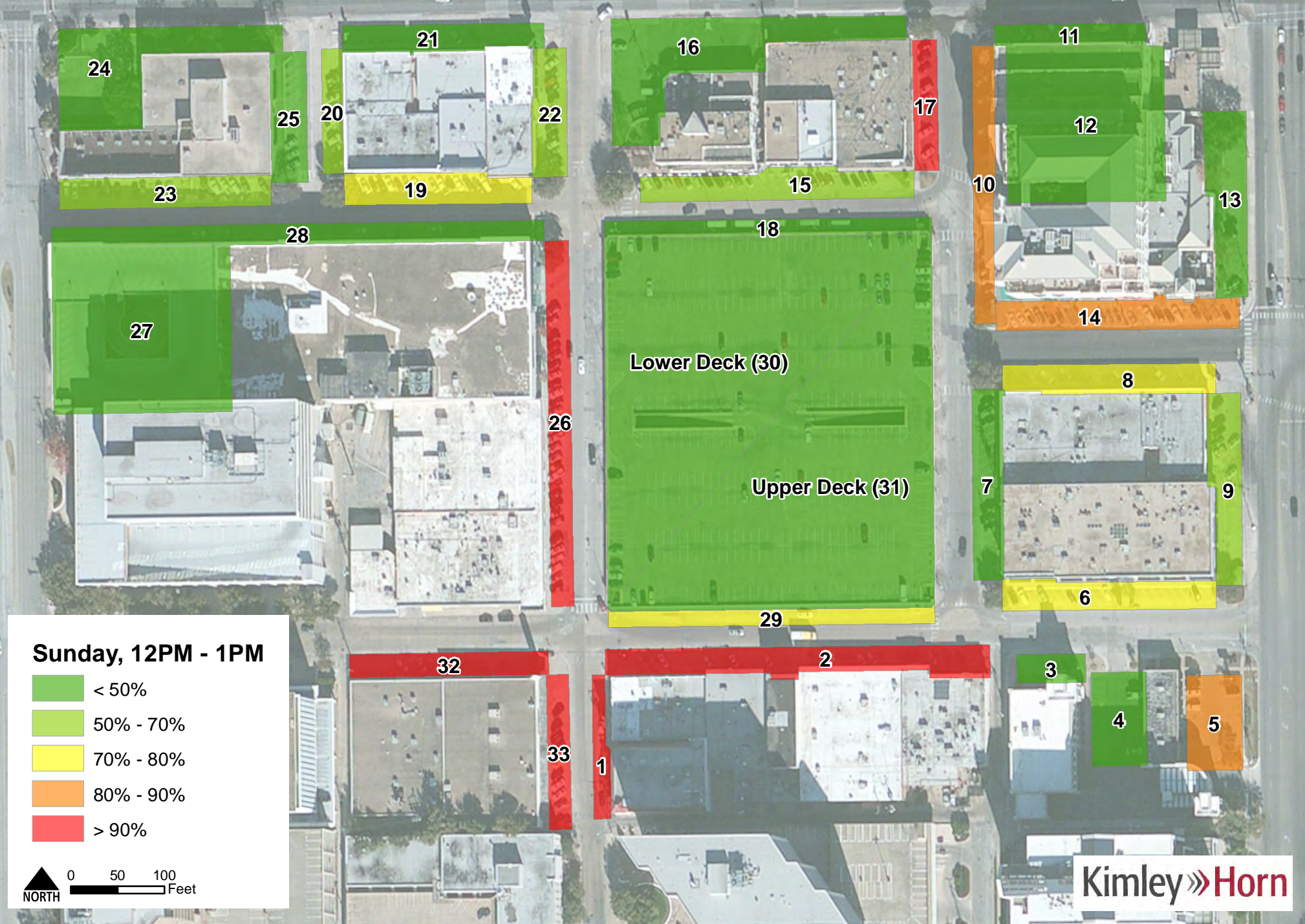
Preston Area Parking Conditions



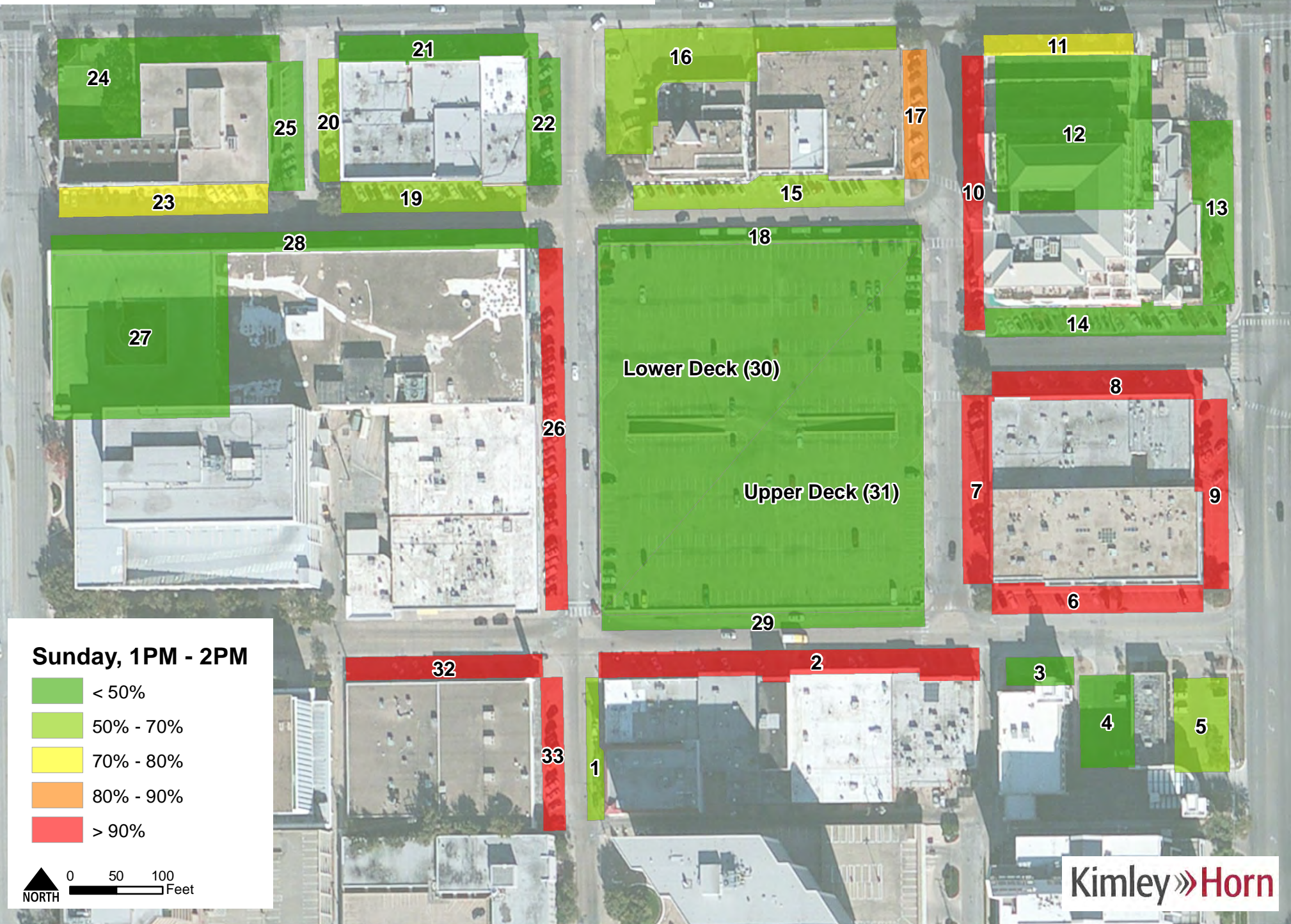
Preston Area Parking Conditions



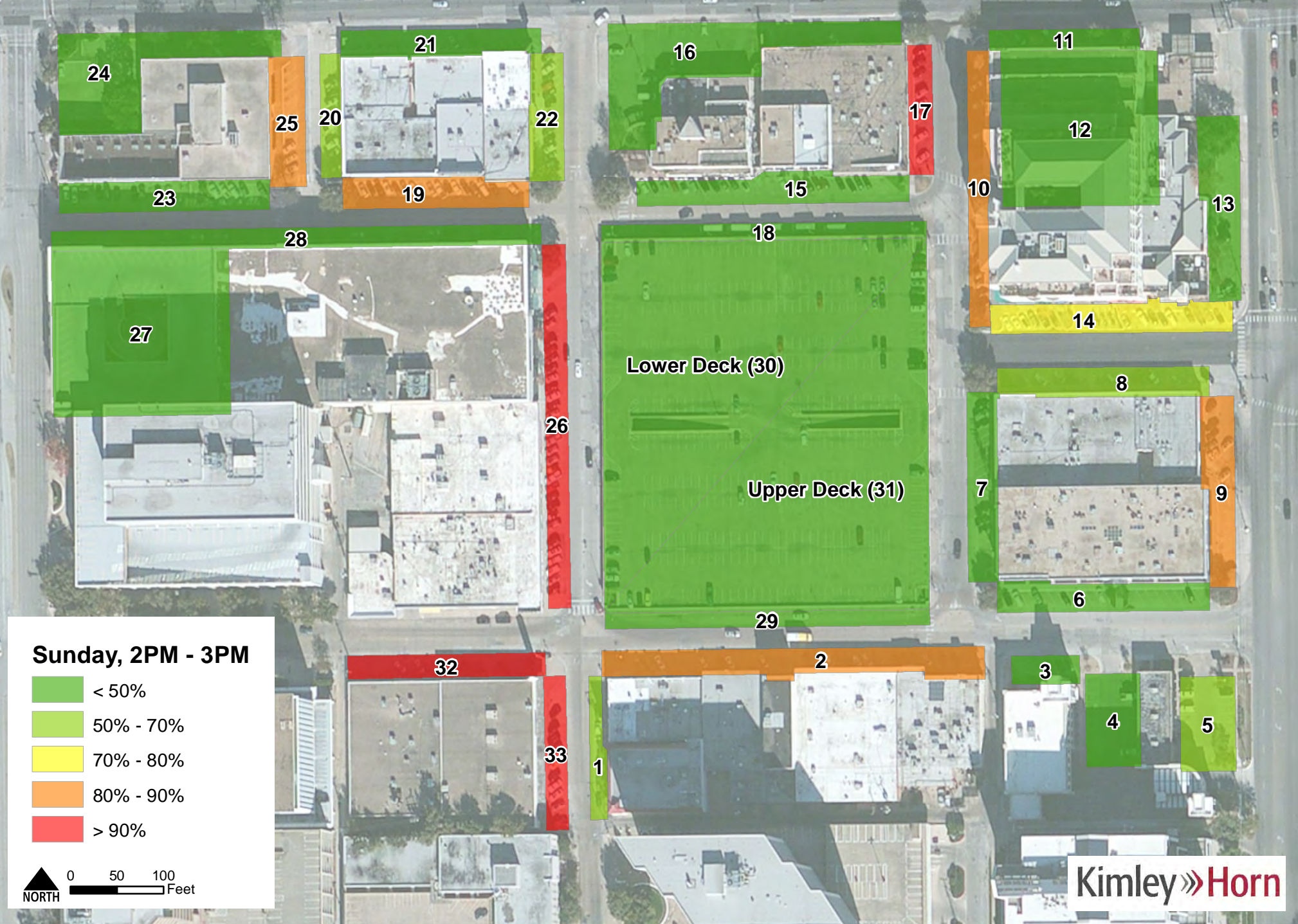
Preston Area Parking Conditions



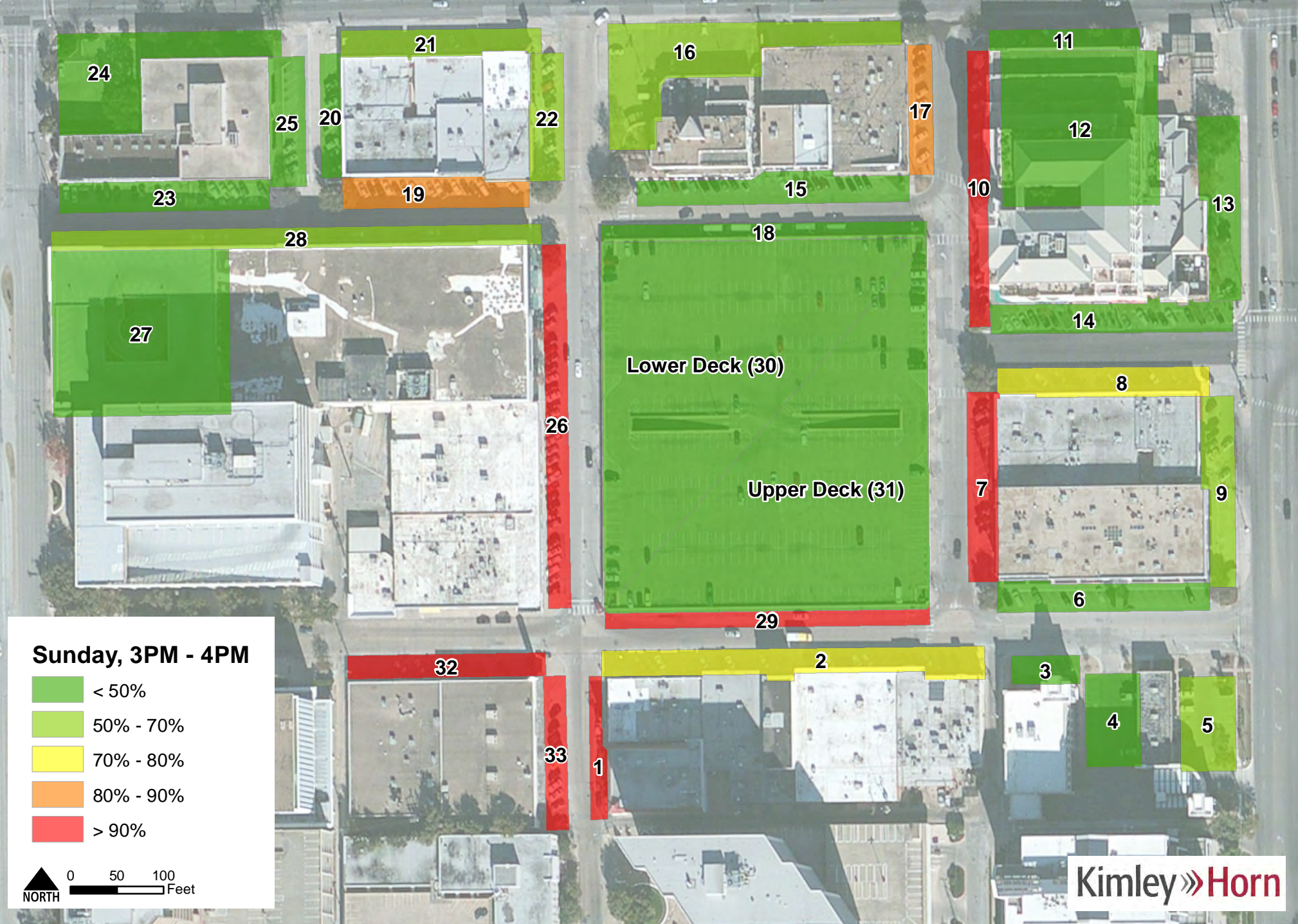
Preston Area Parking Conditions



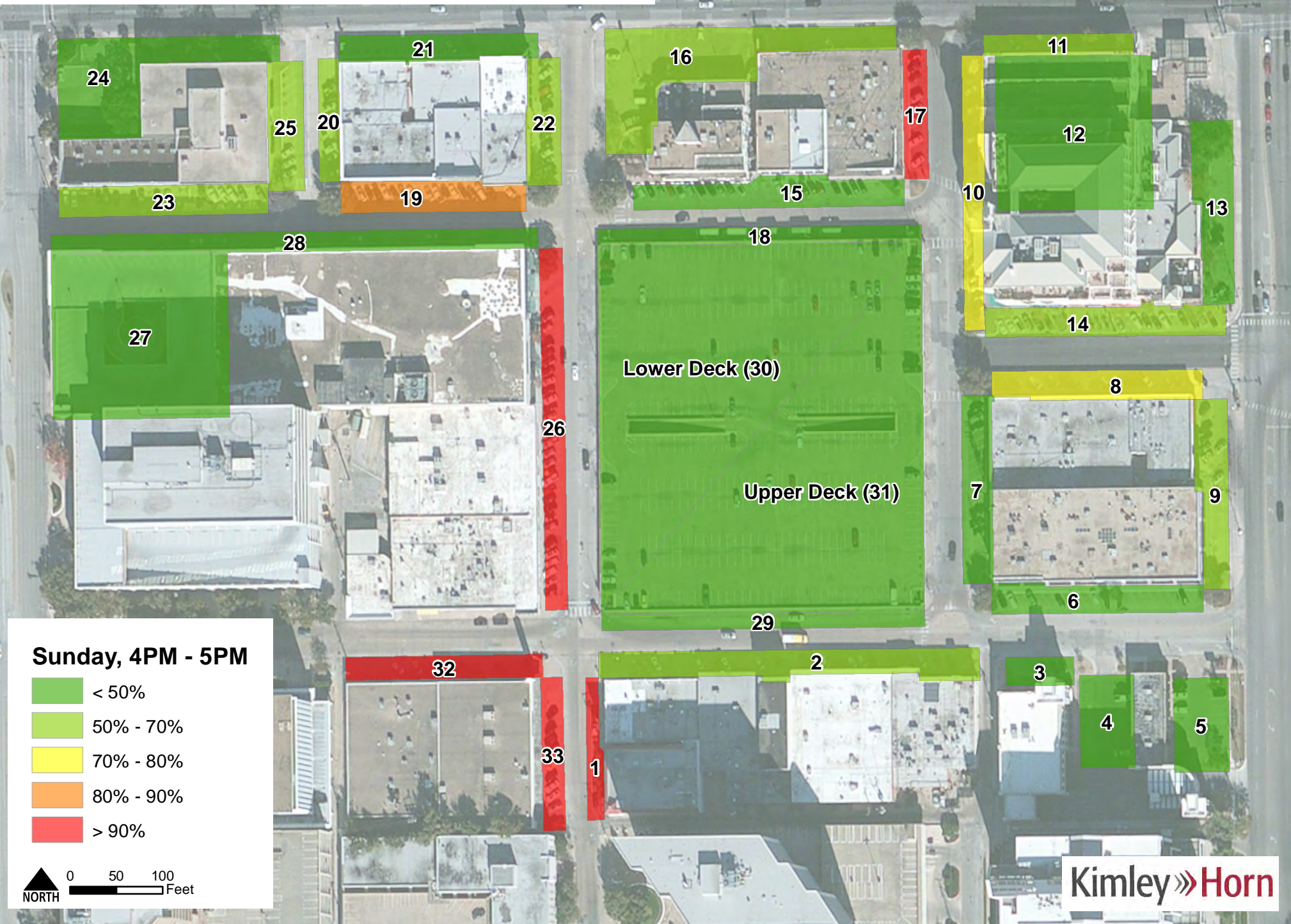
Preston Area Parking Conditions



Preston Area Parking Conditions



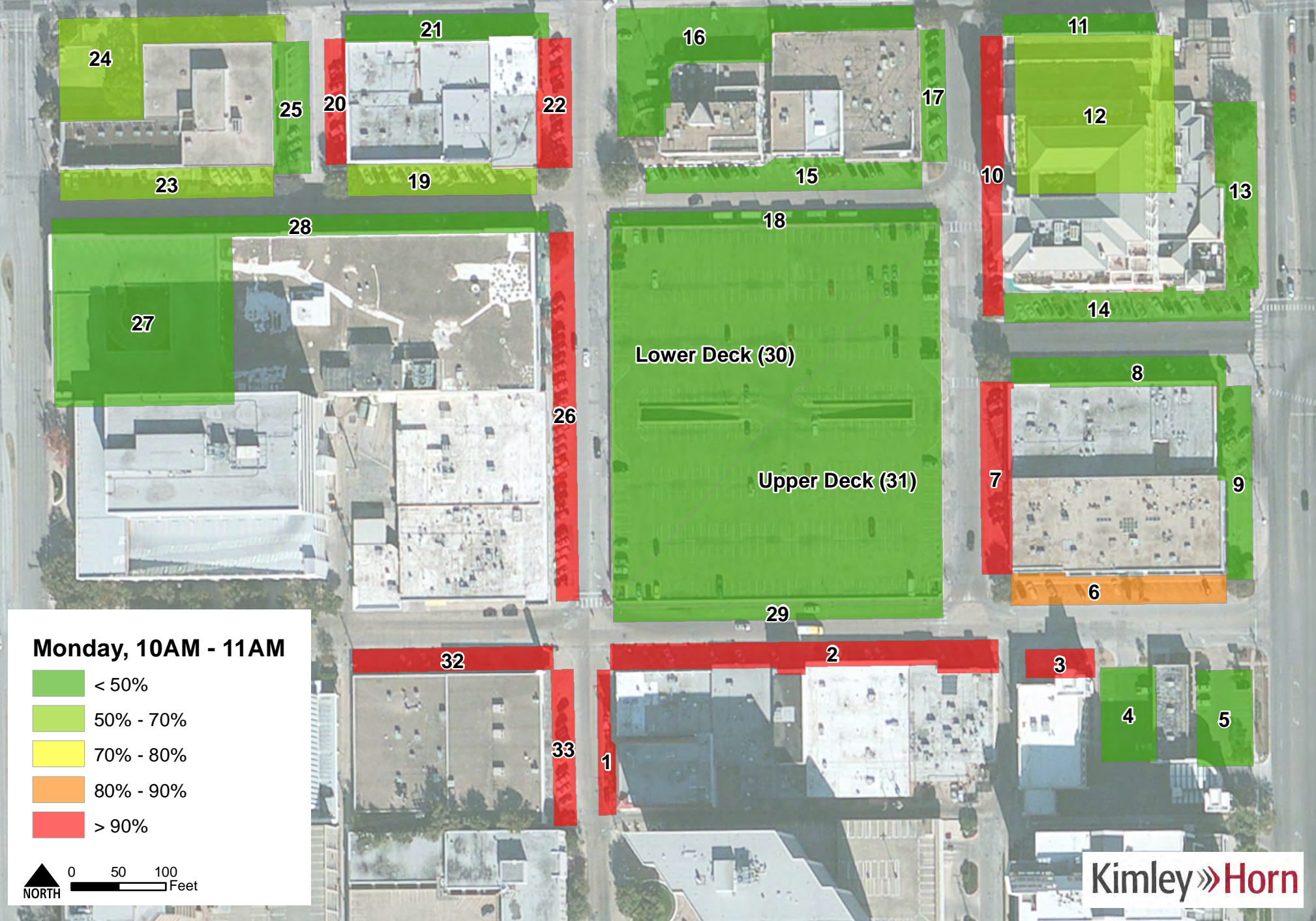
Preston Area Parking Conditions



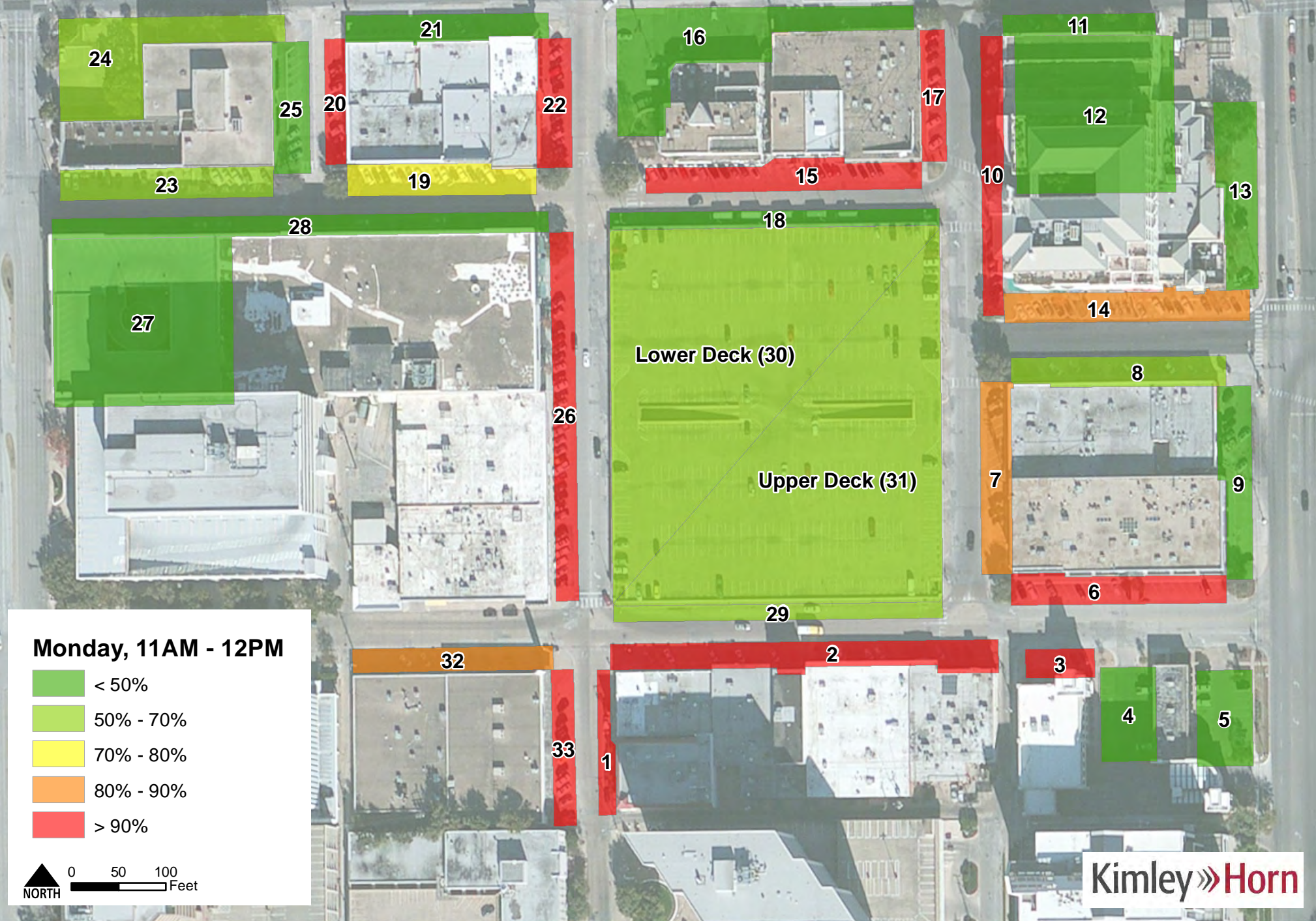
Preston Area Parking Conditions



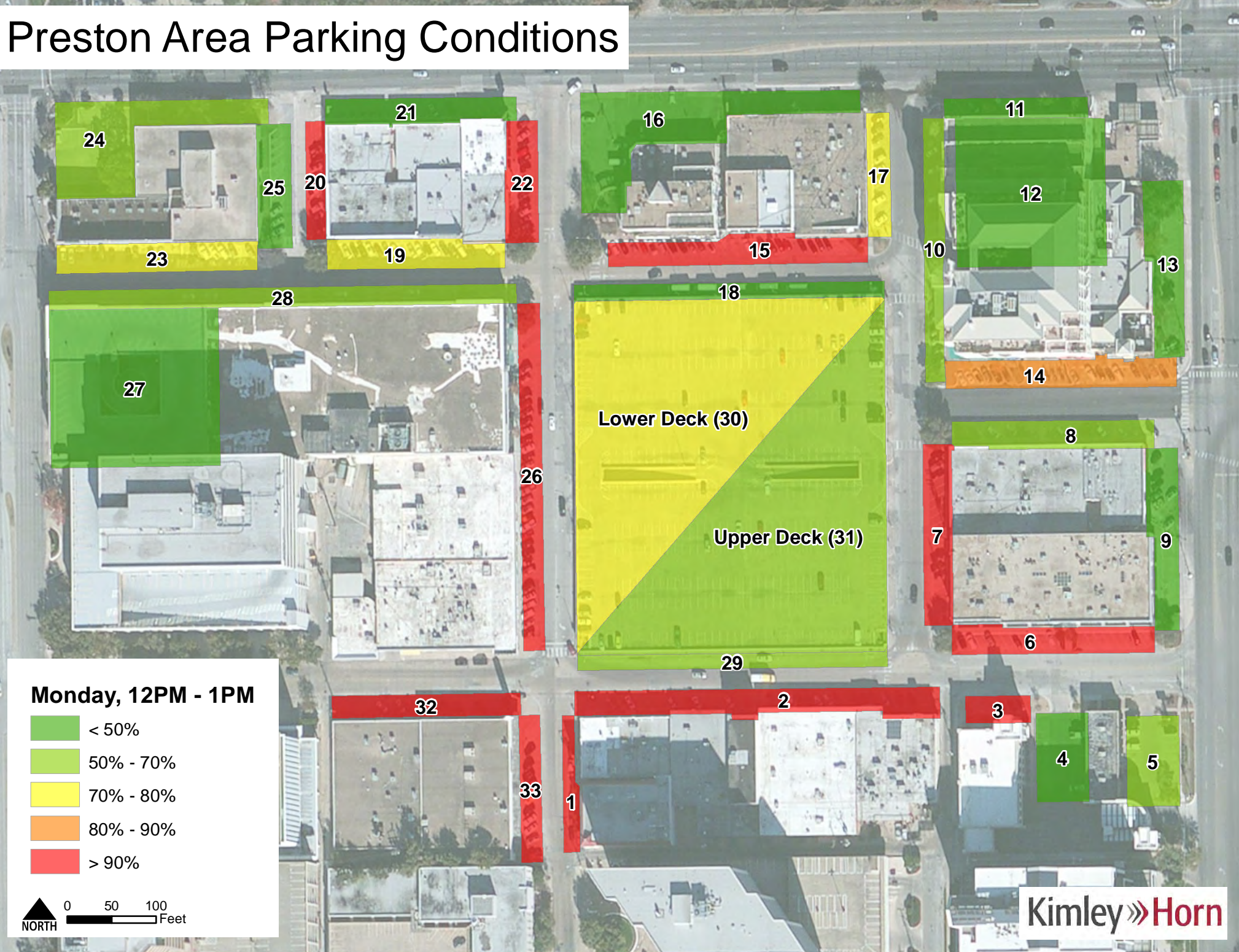
Preston Area Parking Conditions



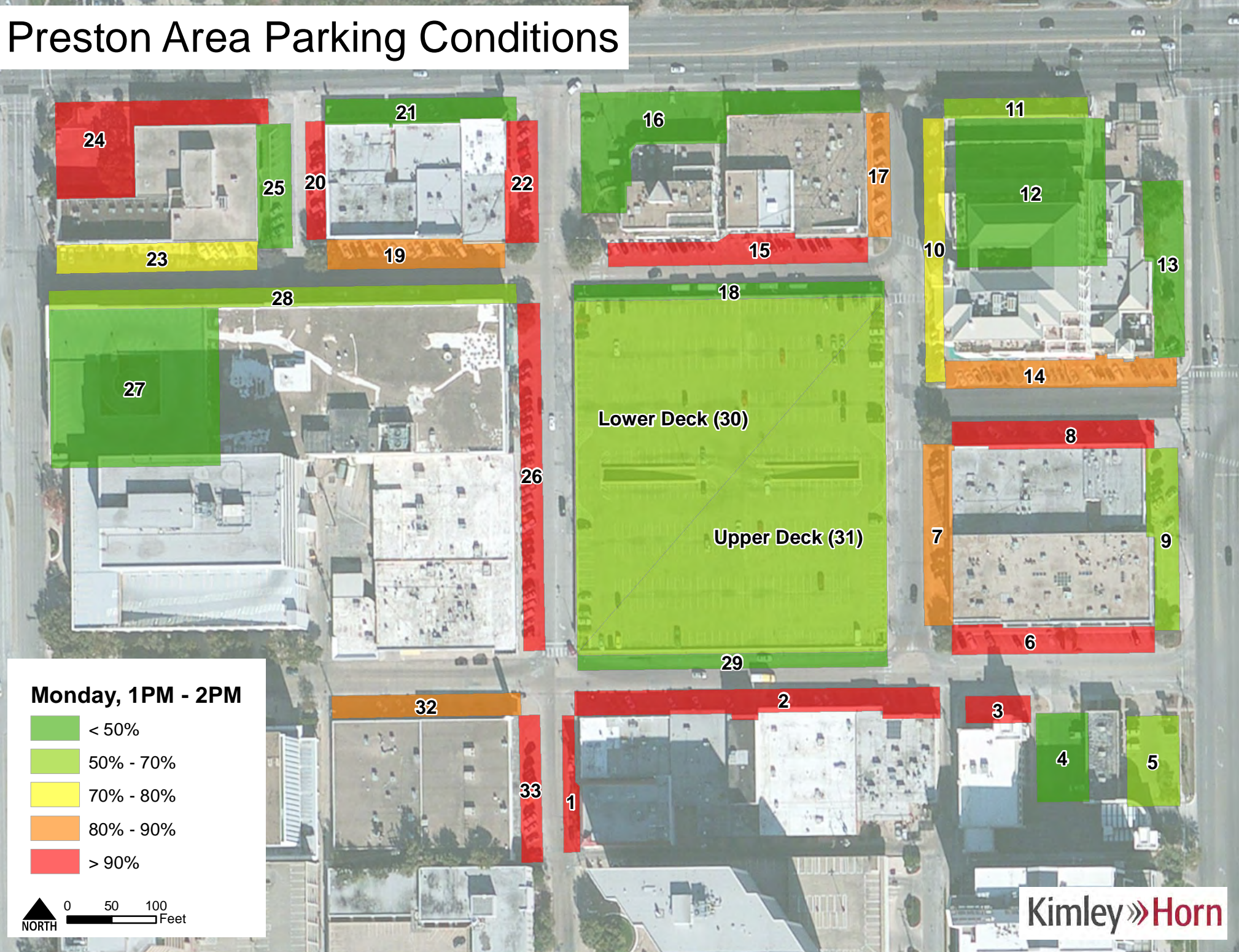
Preston Area Parking Conditions



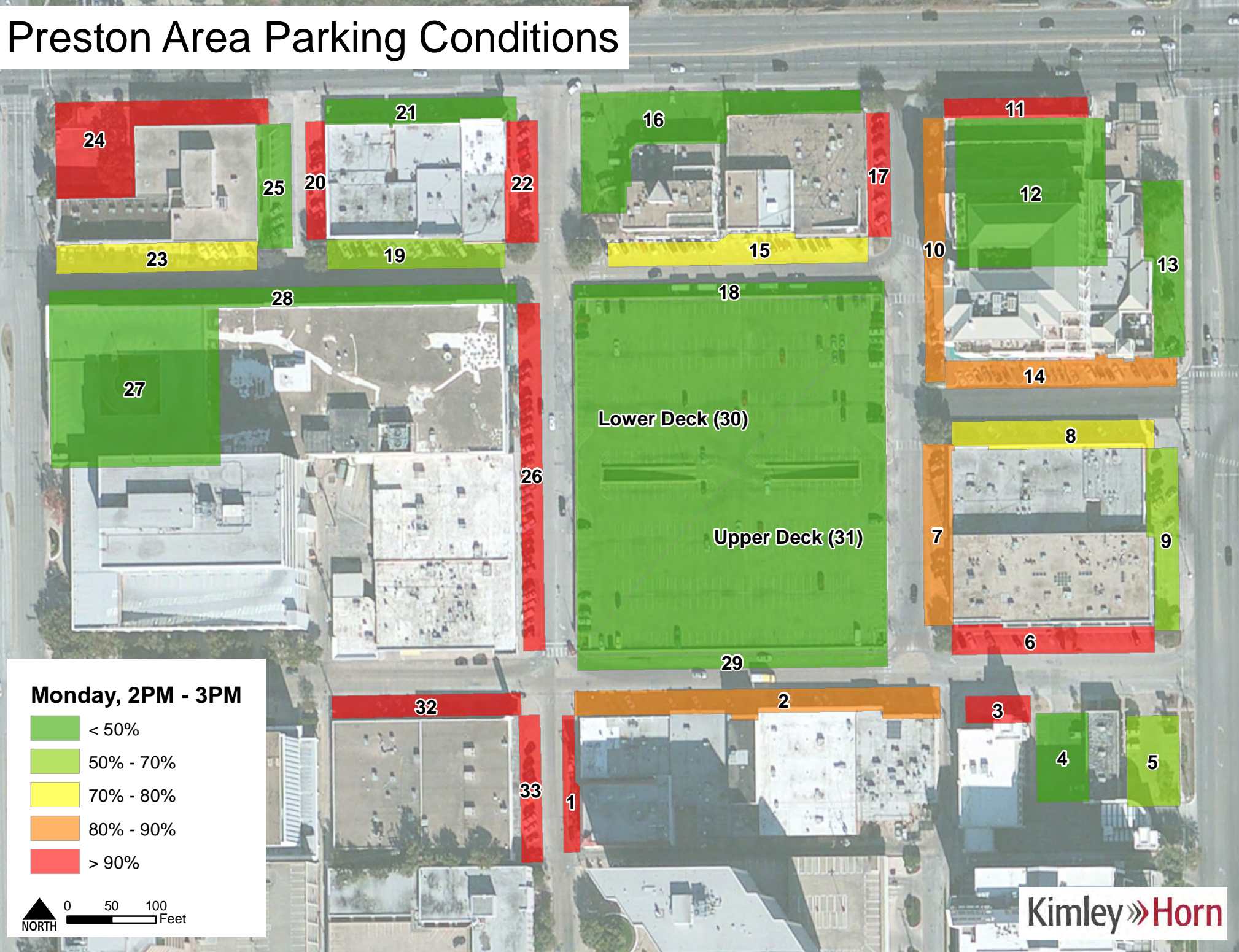
Preston Area Parking Conditions



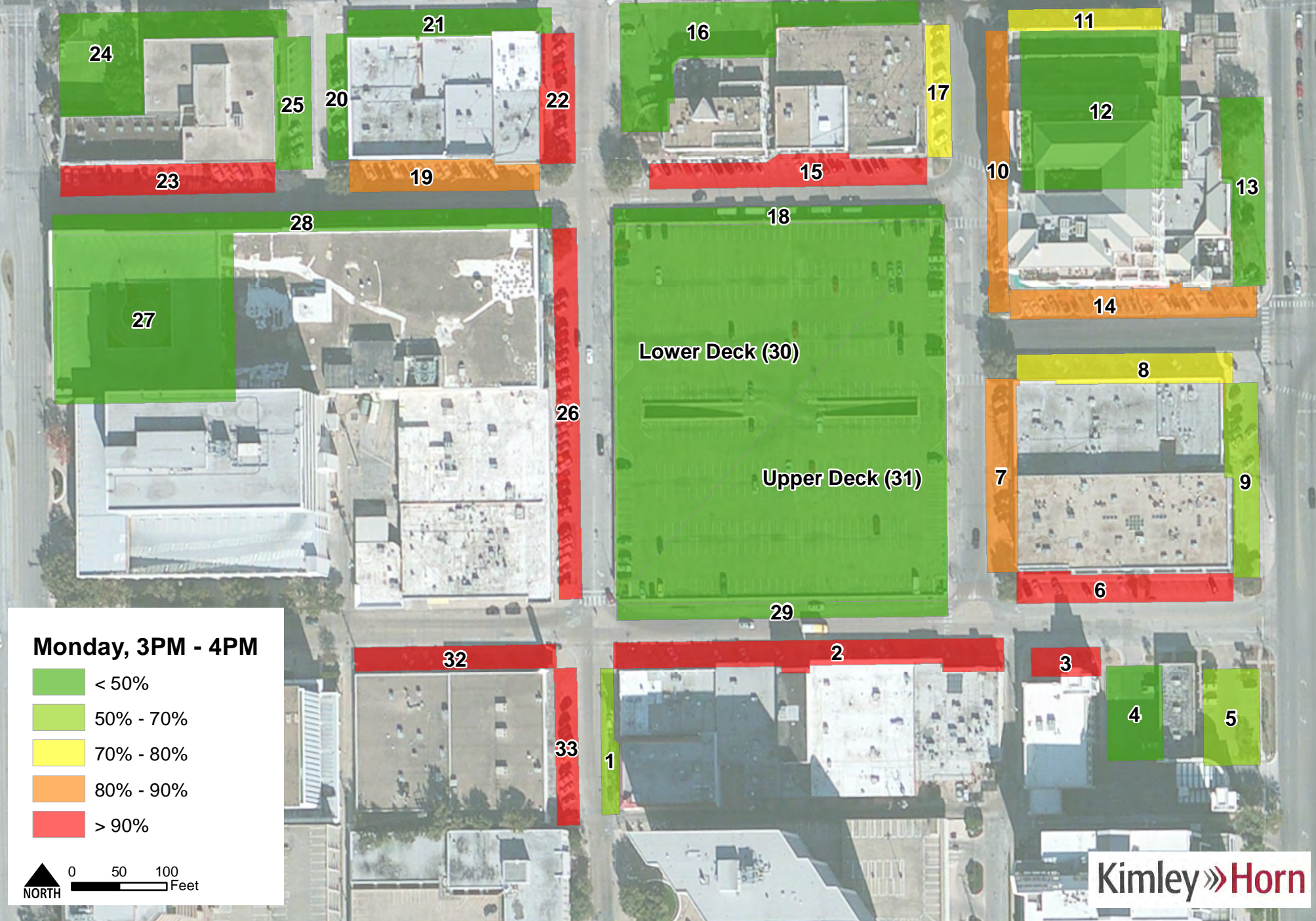
Preston Area Parking Conditions



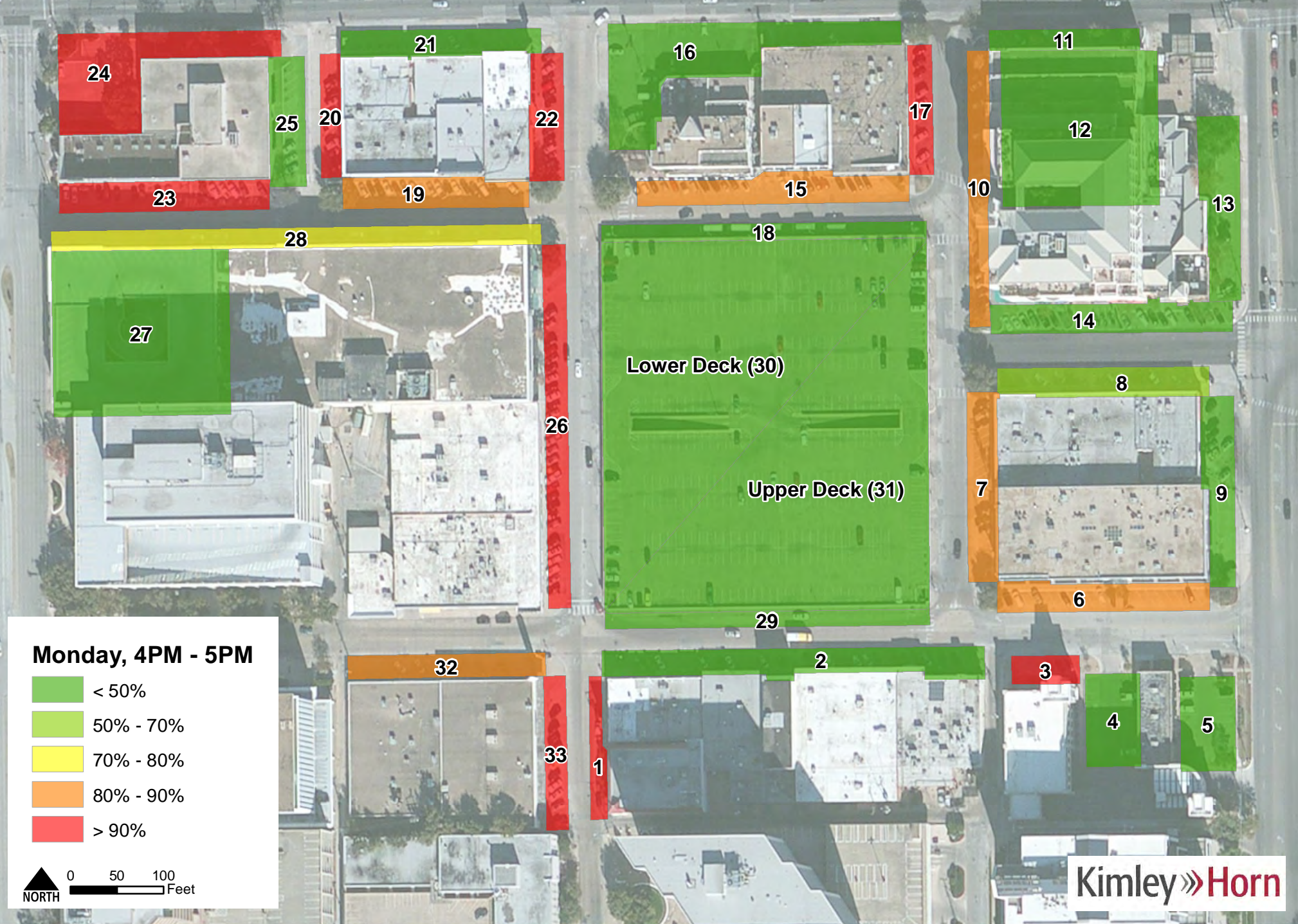
Preston Area Parking Conditions



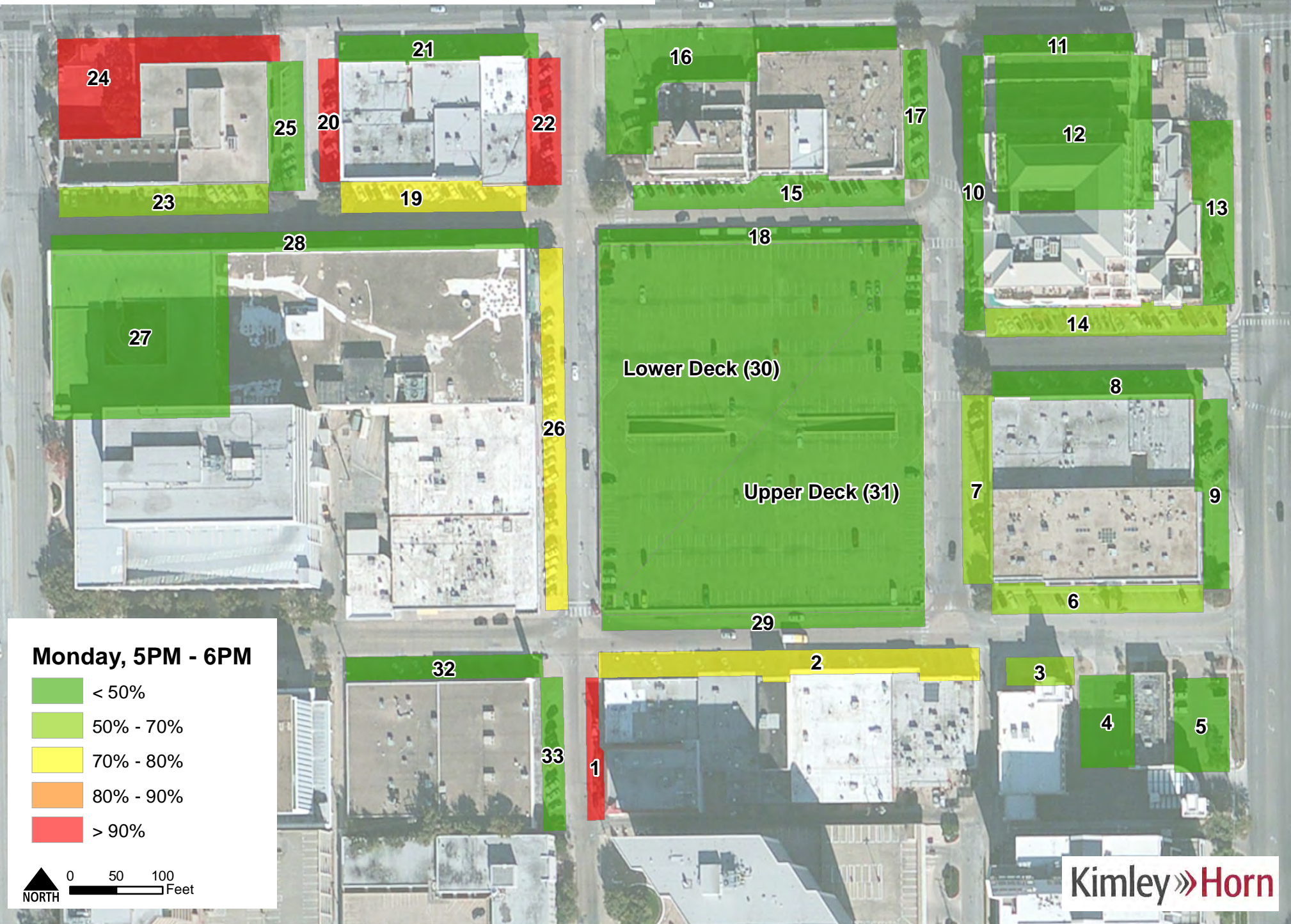
Preston Area Parking Conditions



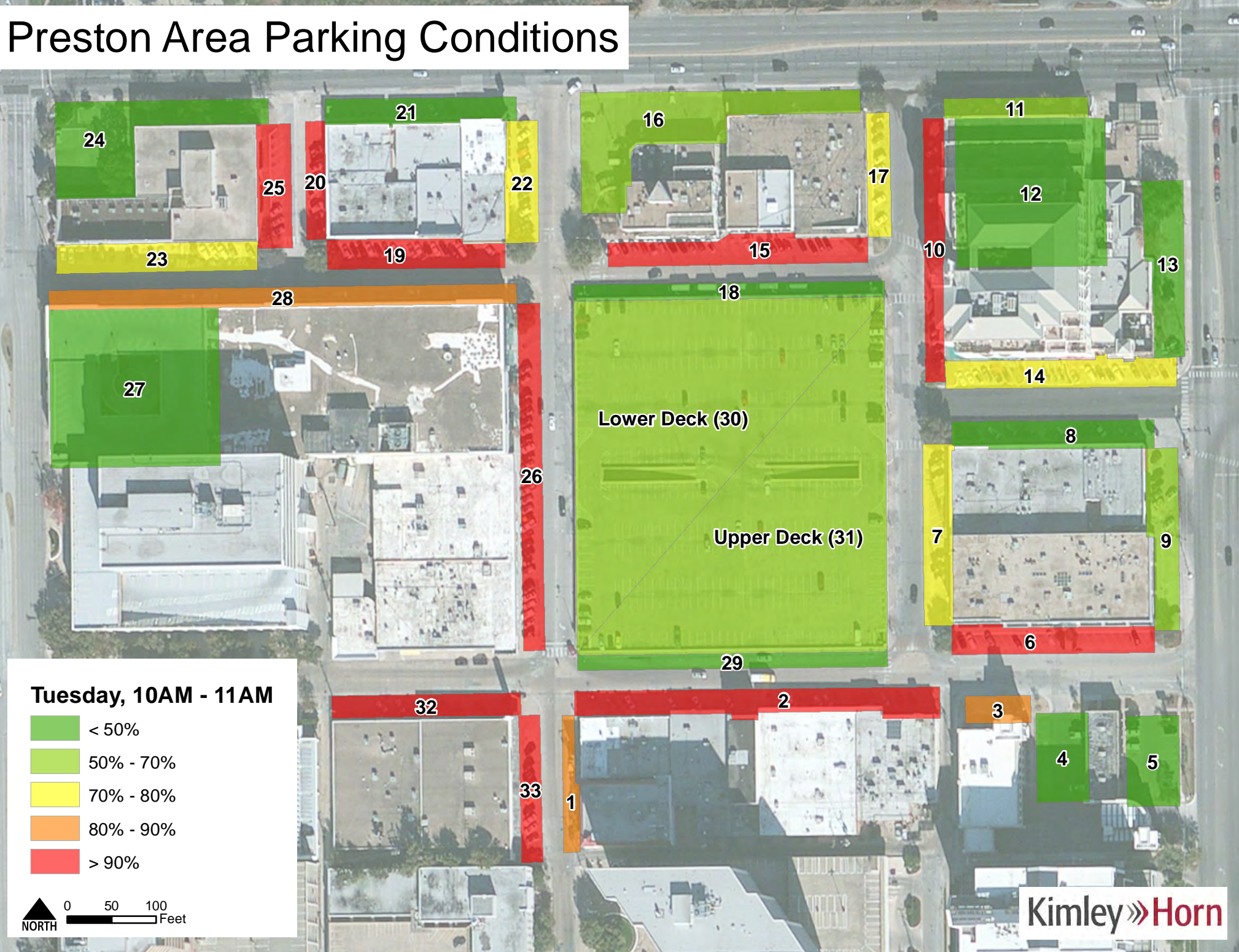
Preston Area Parking Conditions



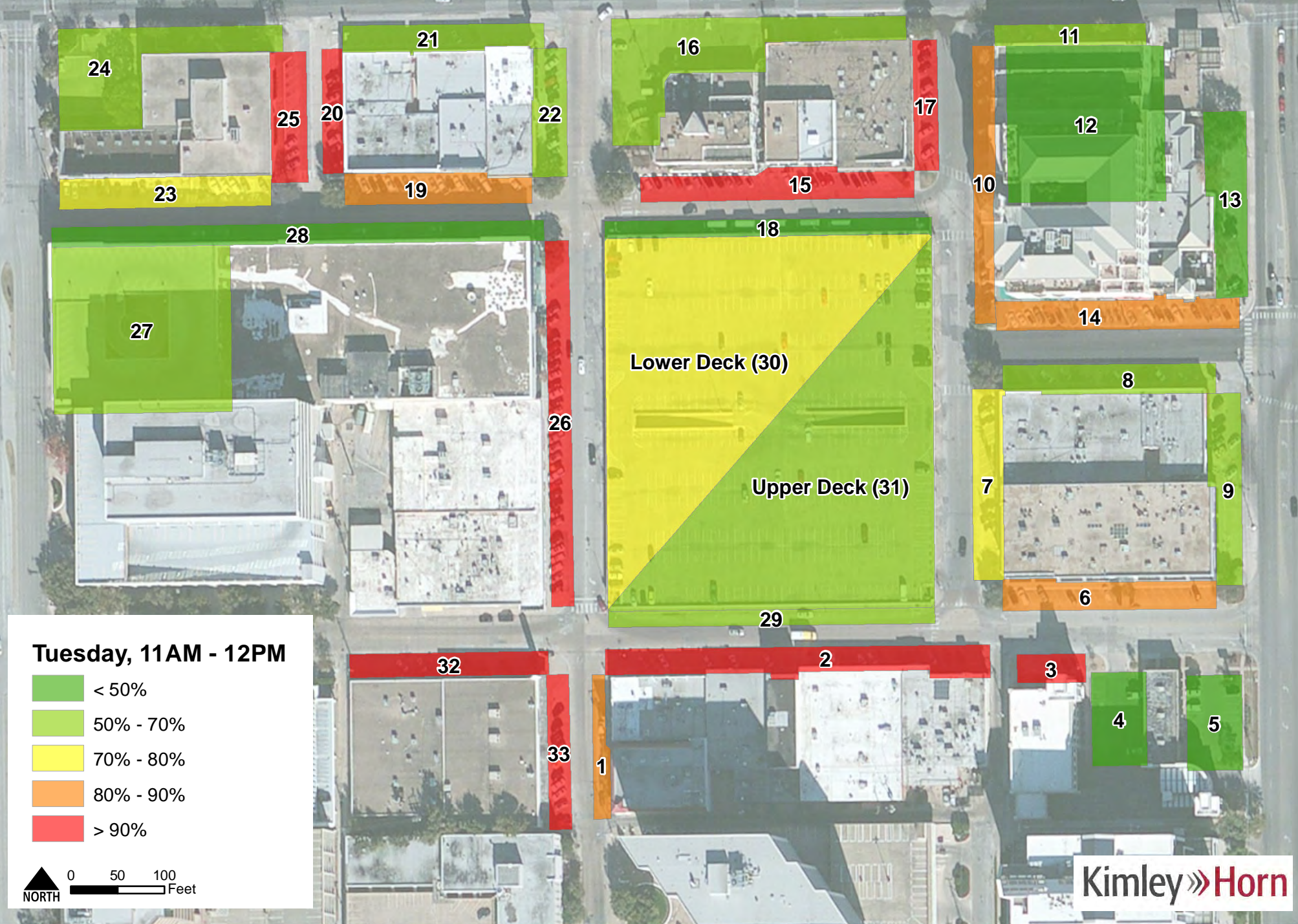
Preston Area Parking Conditions



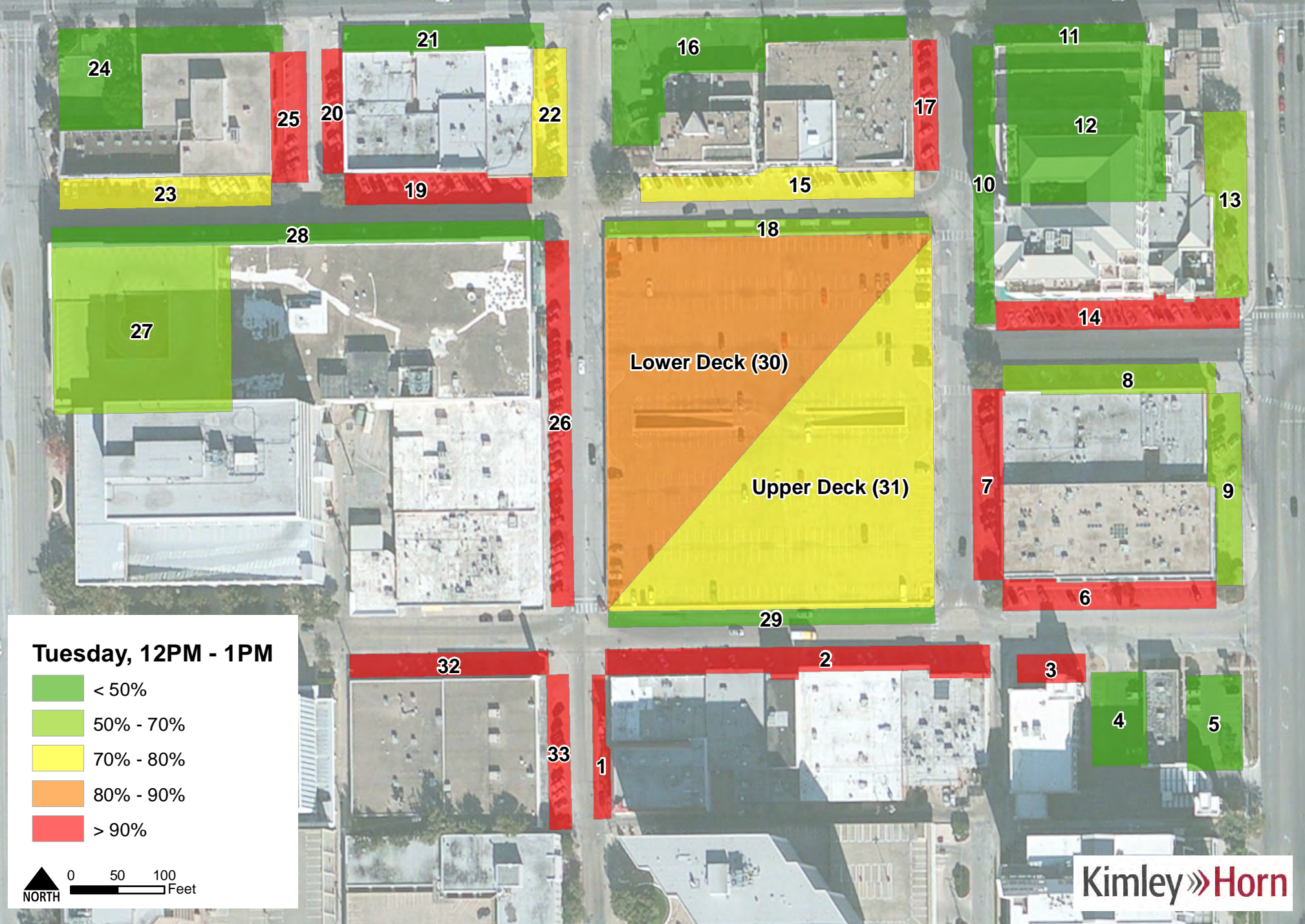
Preston Area Parking Conditions



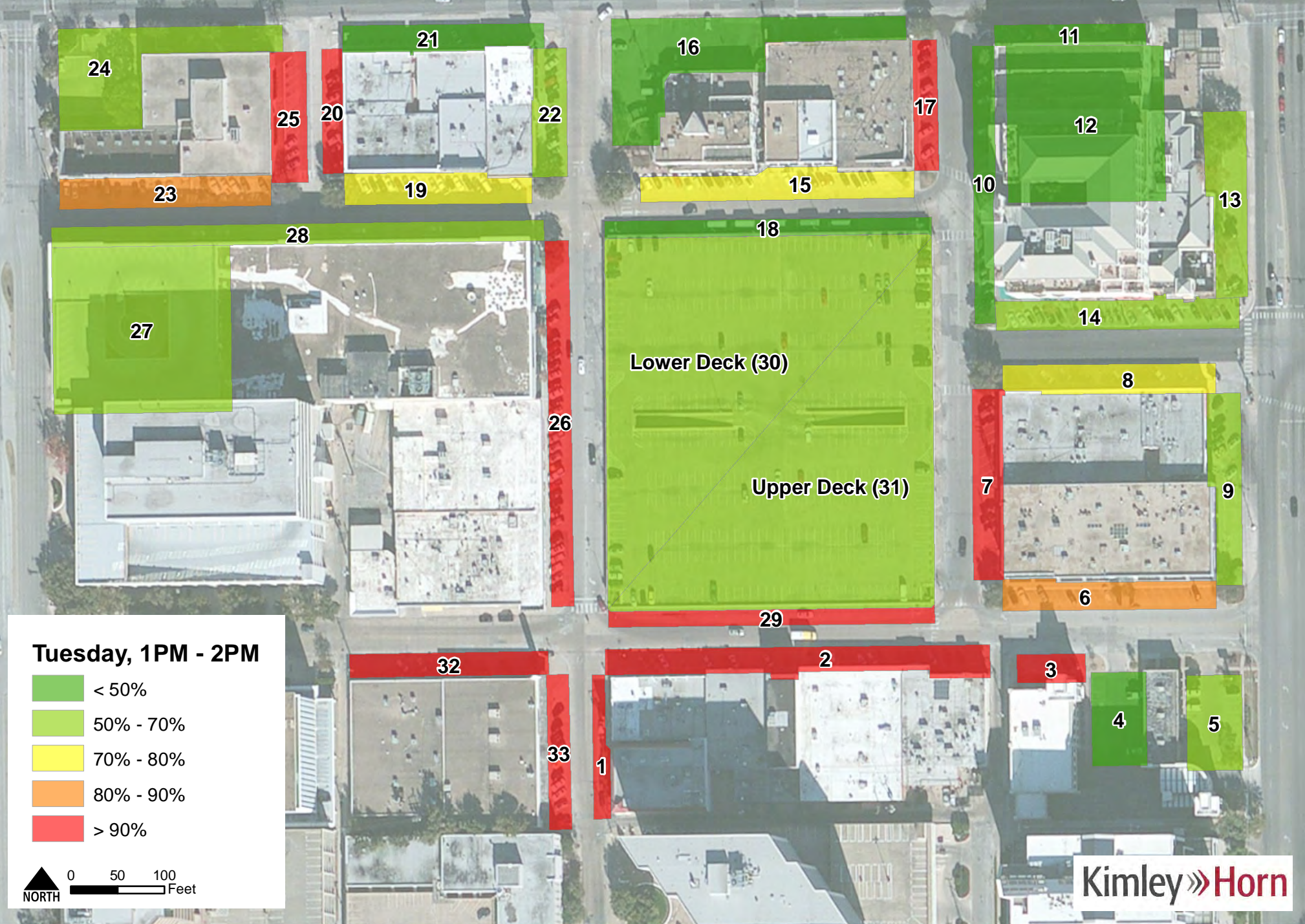
Preston Area Parking Conditions



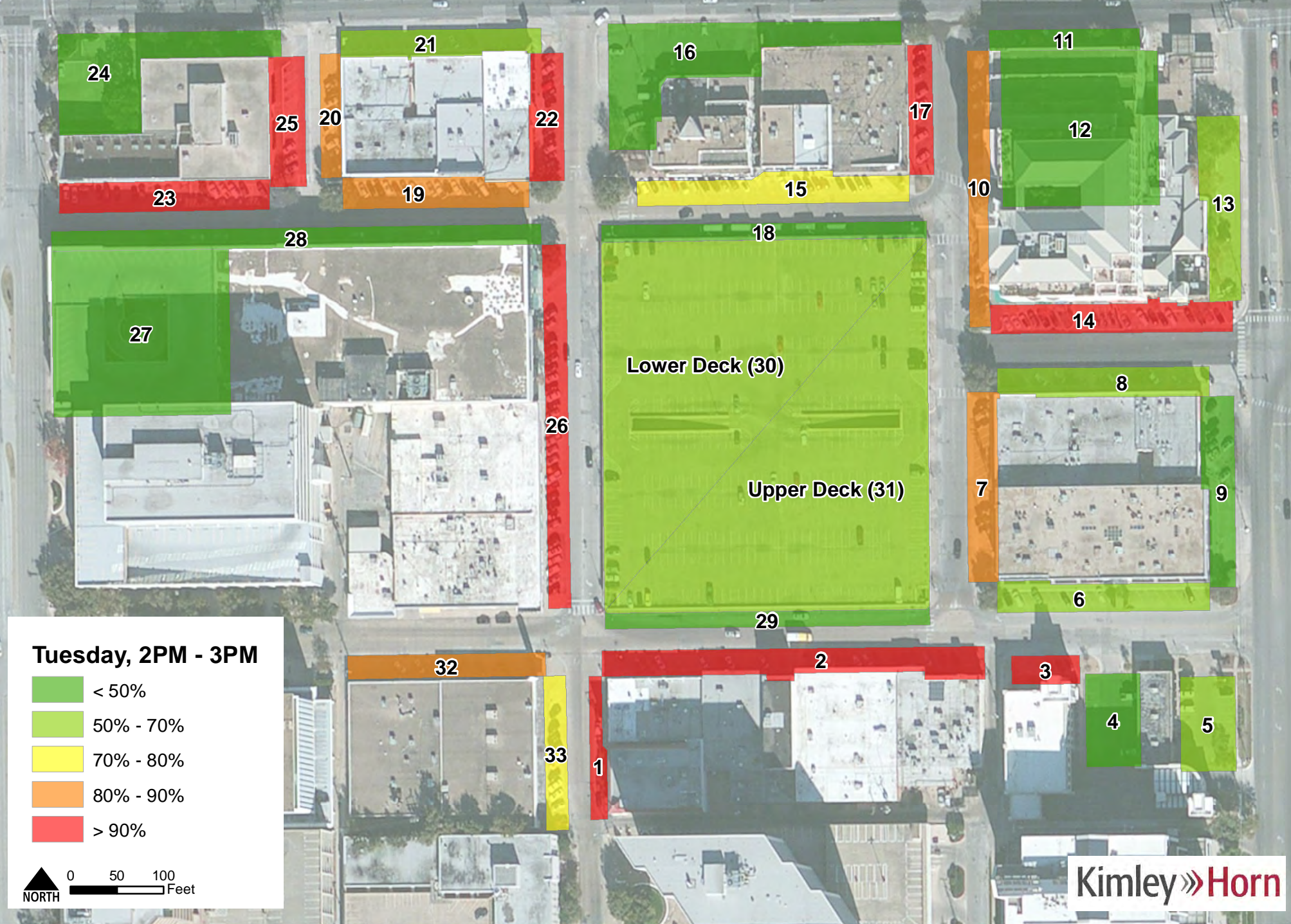
Preston Area Parking Conditions



Preston Area Parking Conditions



Preston Area Parking Conditions



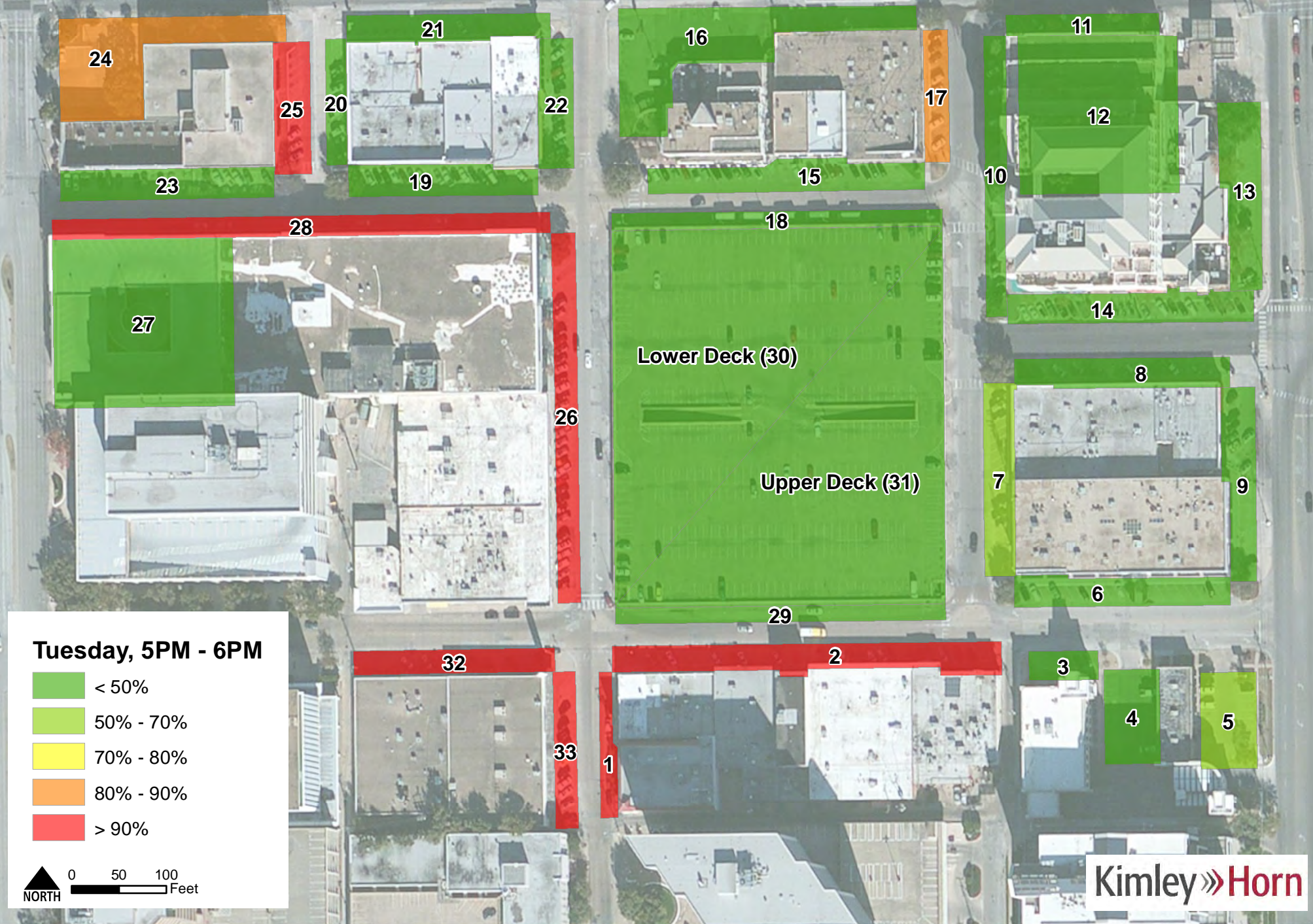
Preston Area Parking Conditions



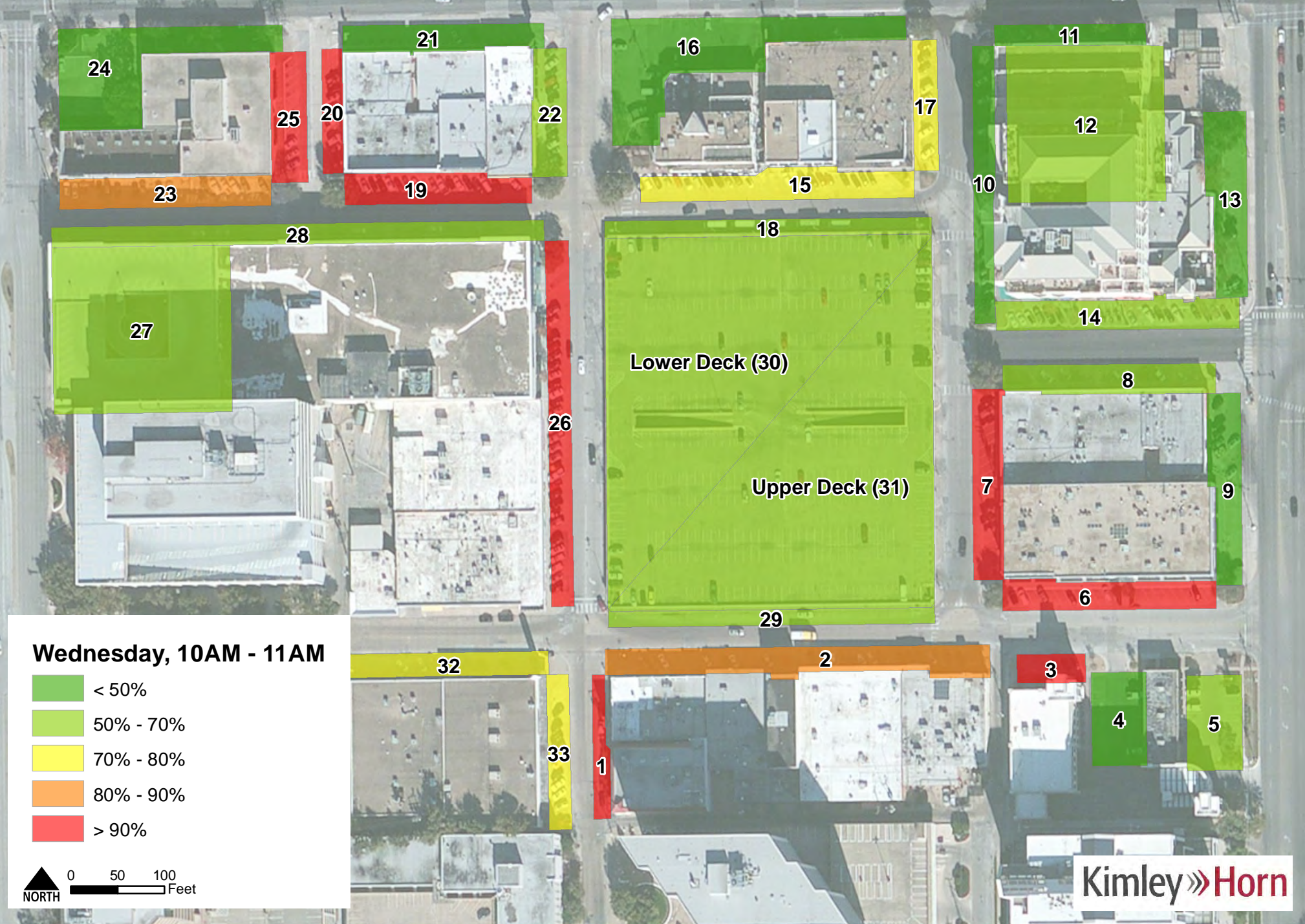
Preston Area Parking Conditions



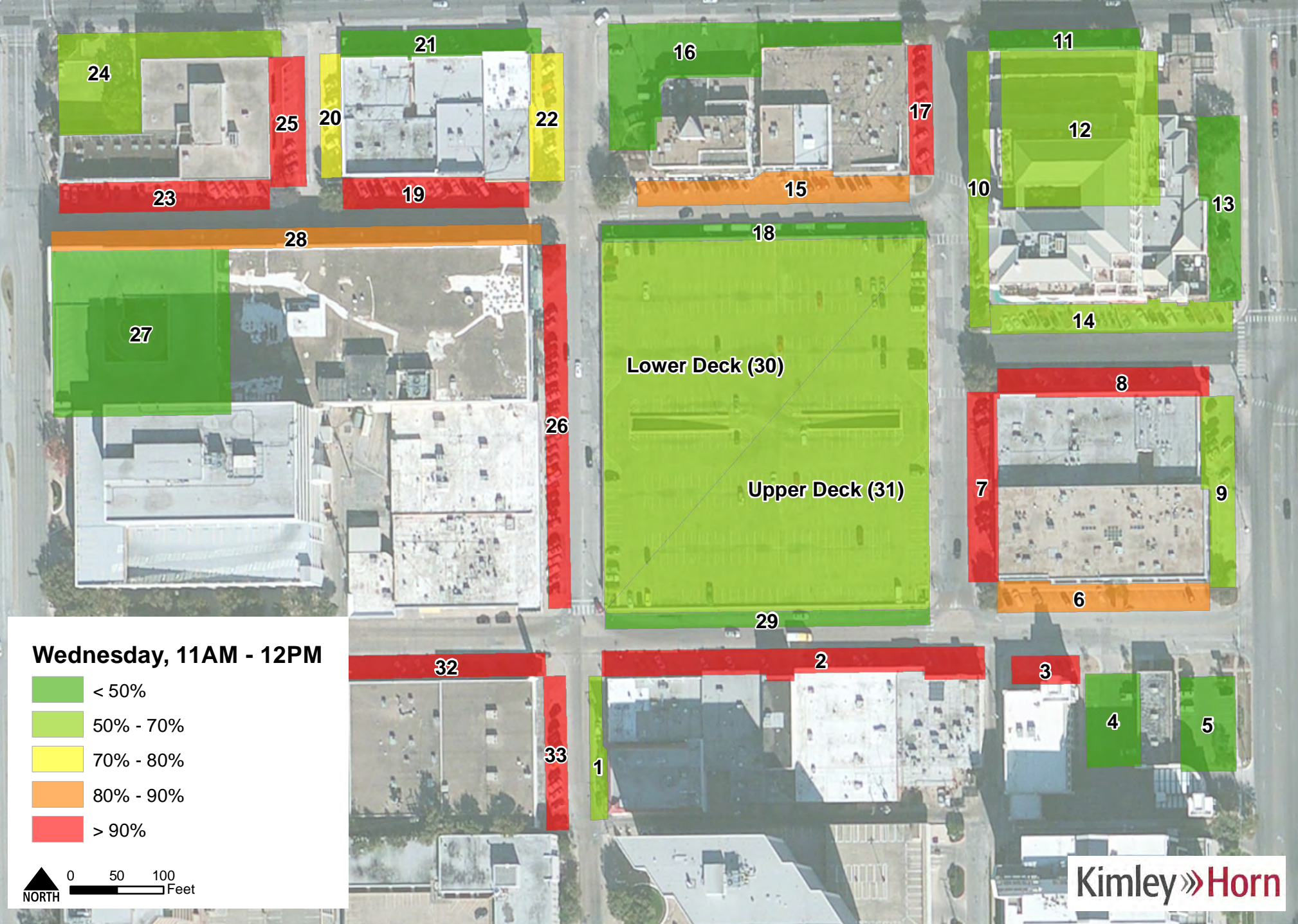
Preston Area Parking Conditions



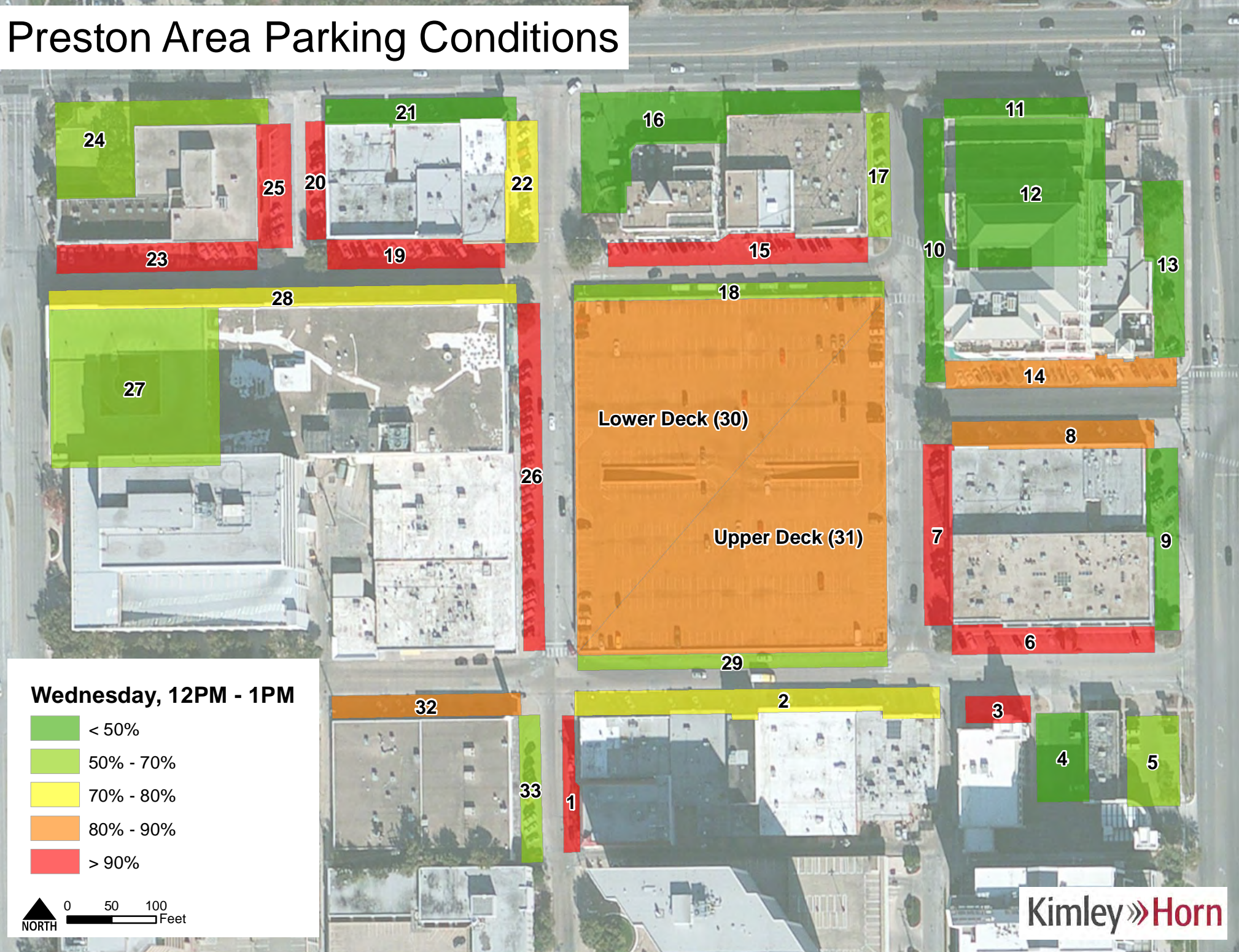
Preston Area Parking Conditions



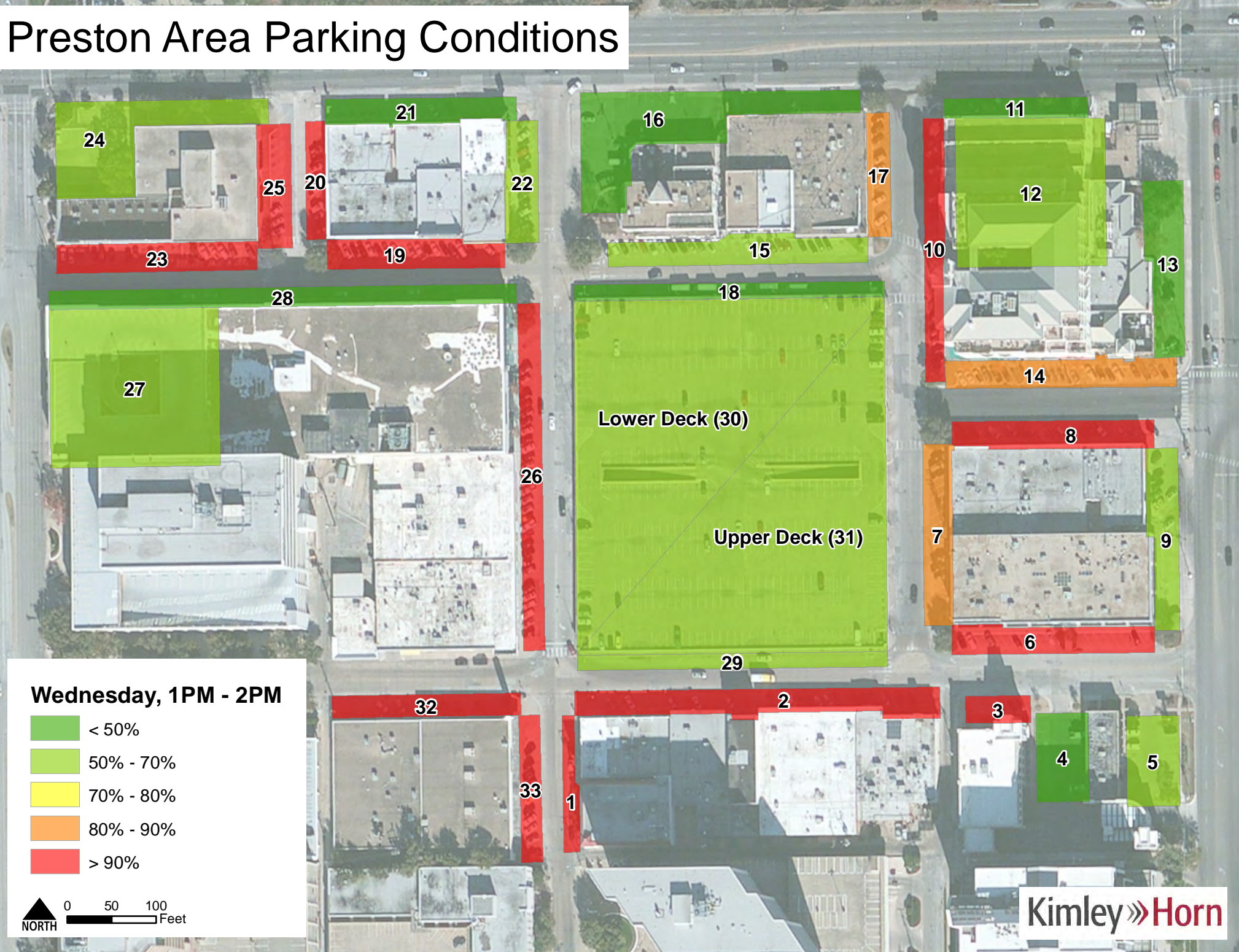
Preston Area Parking Conditions



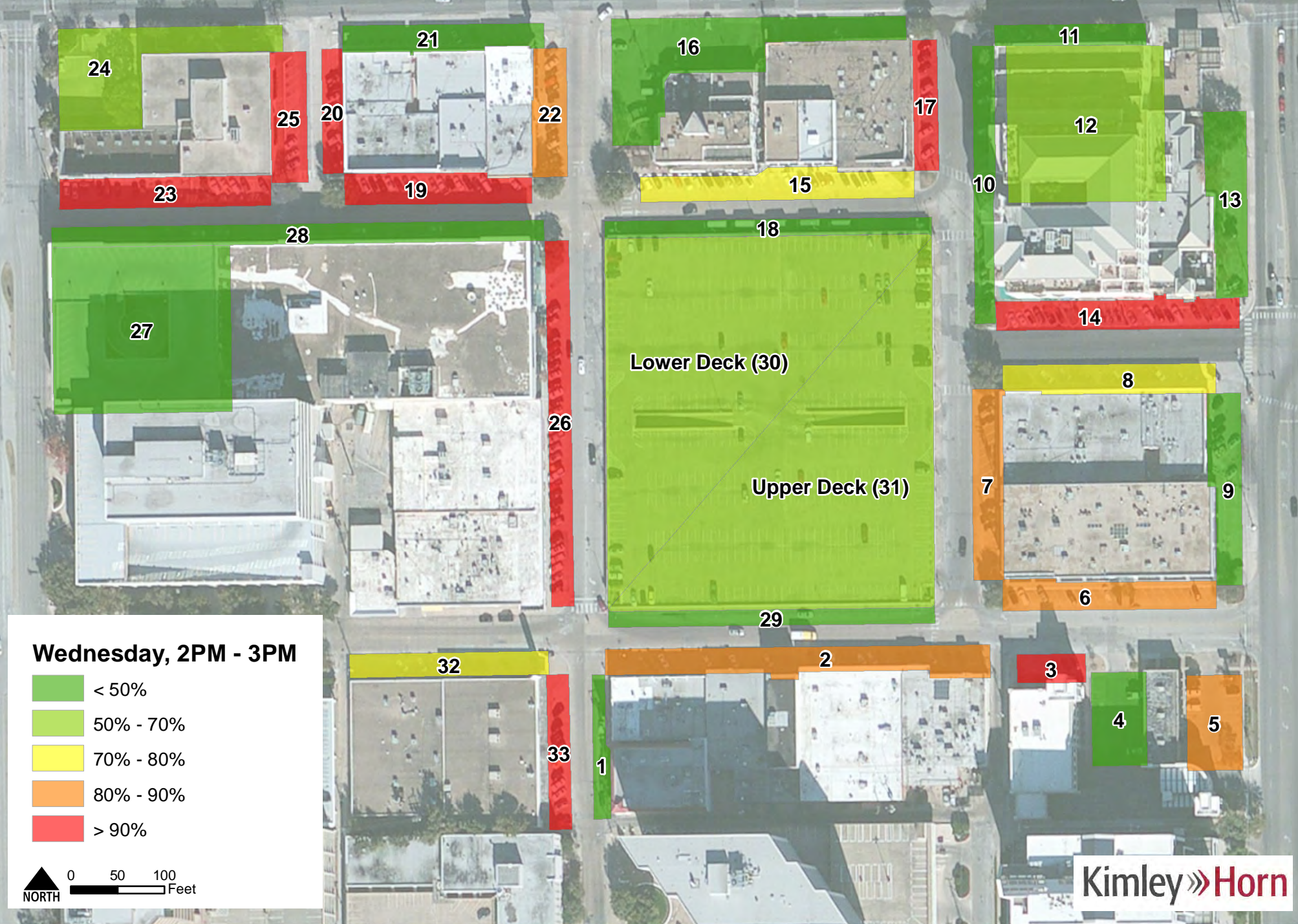
Preston Area Parking Conditions



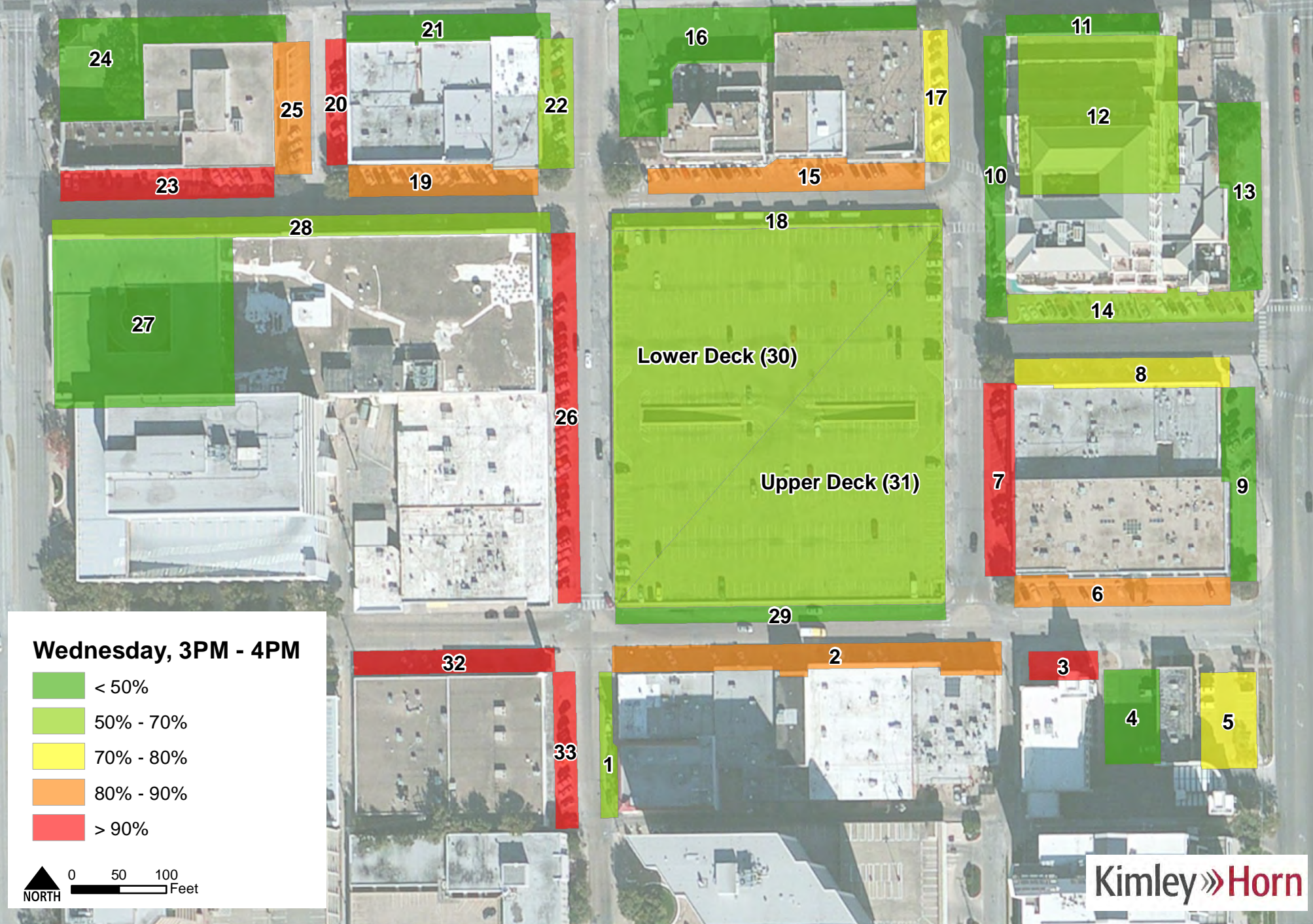
Preston Area Parking Conditions



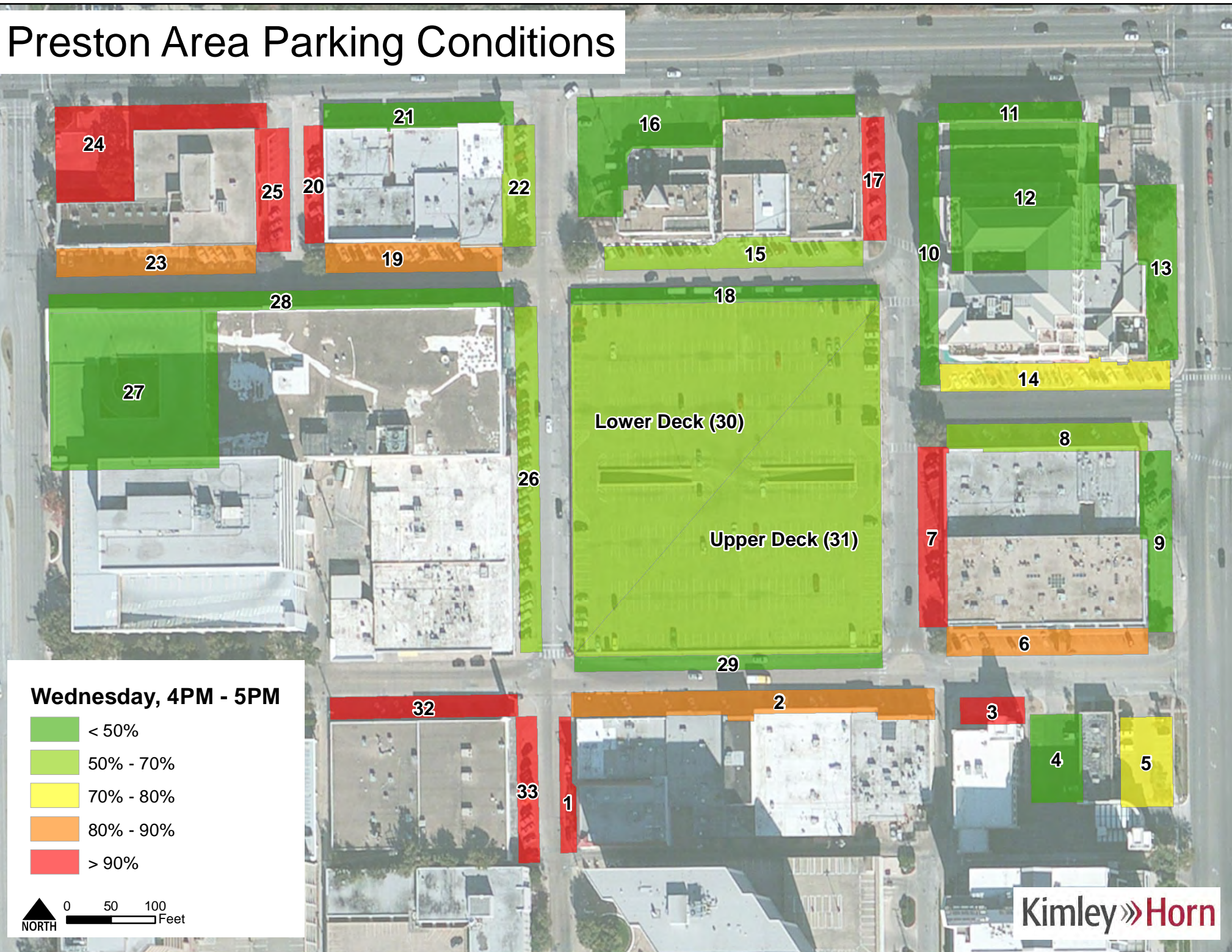
Preston Area Parking Conditions



Preston Area Parking Conditions



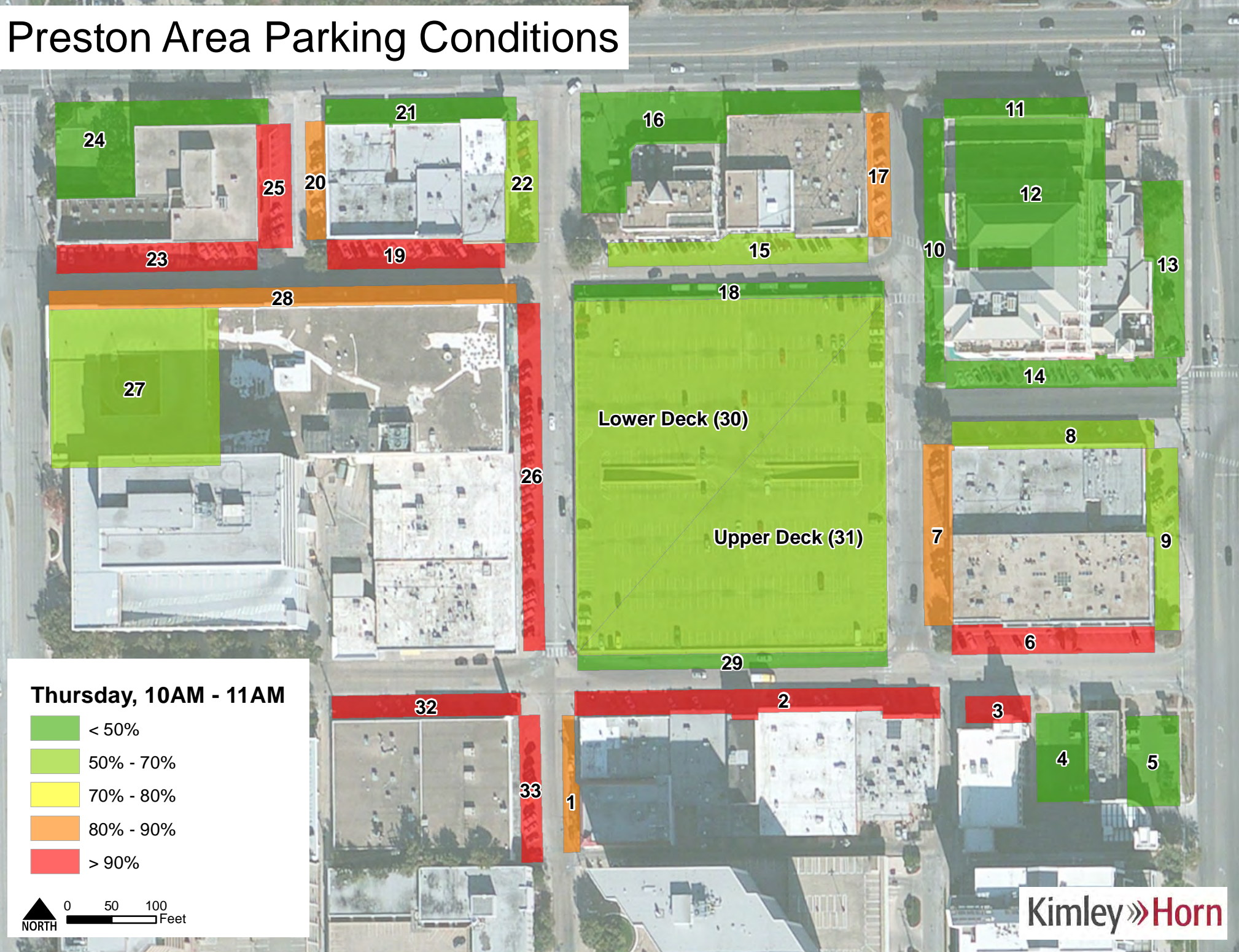
Preston Area Parking Conditions



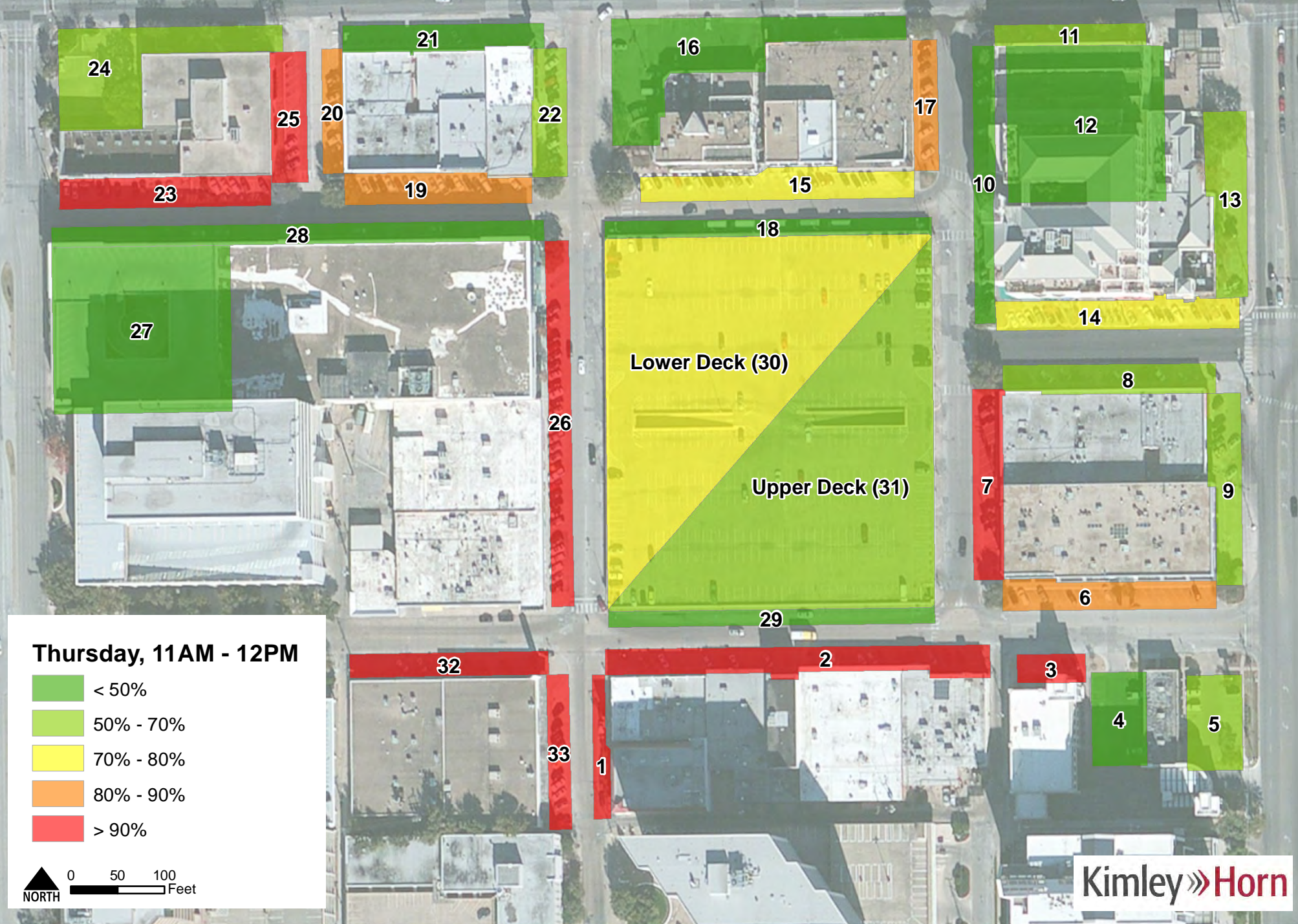
Preston Area Parking Conditions



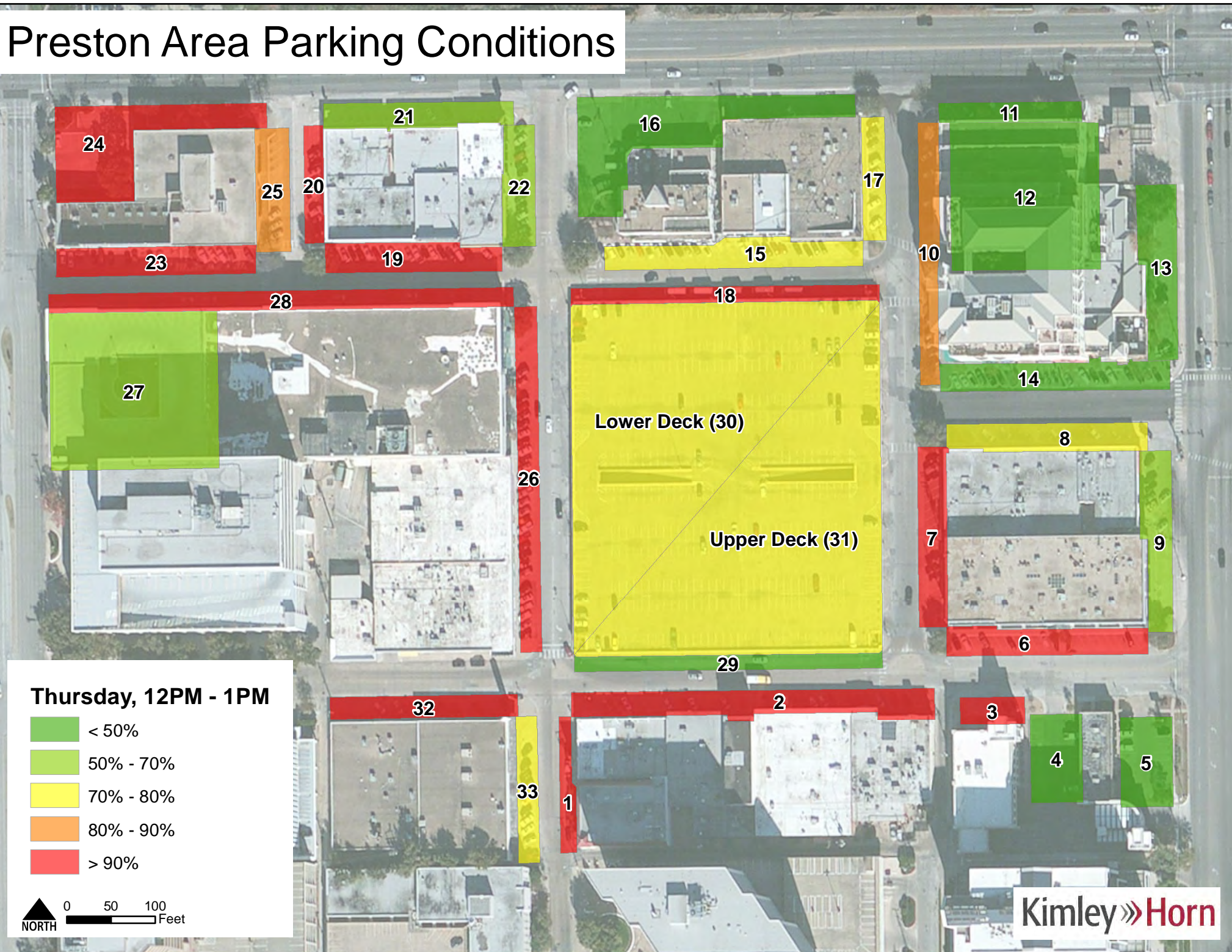
Preston Area Parking Conditions



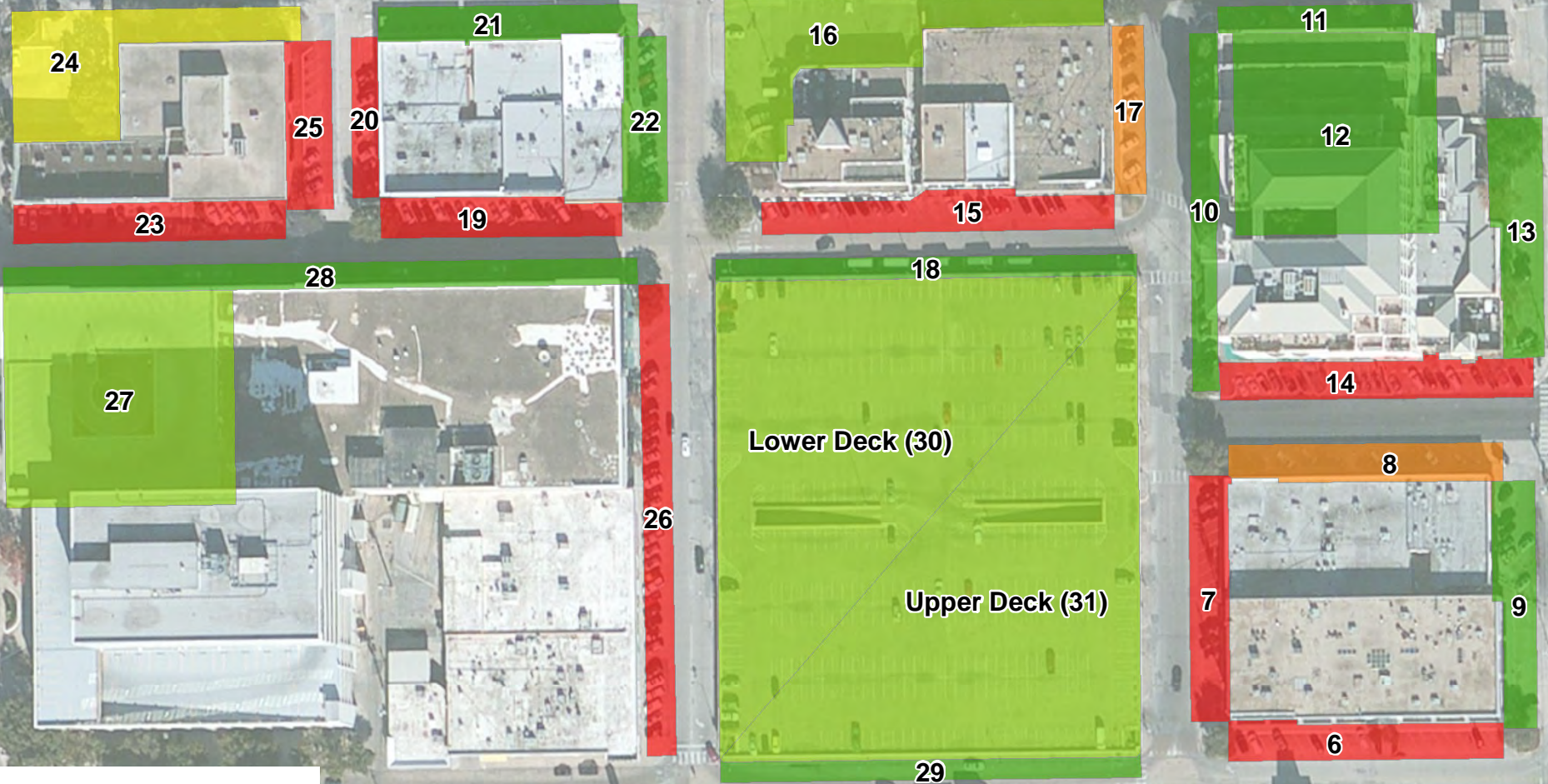
Preston Area Parking Conditions



Preston Area Parking Conditions

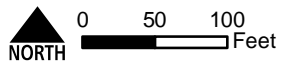


Preston Area Parking Conditions

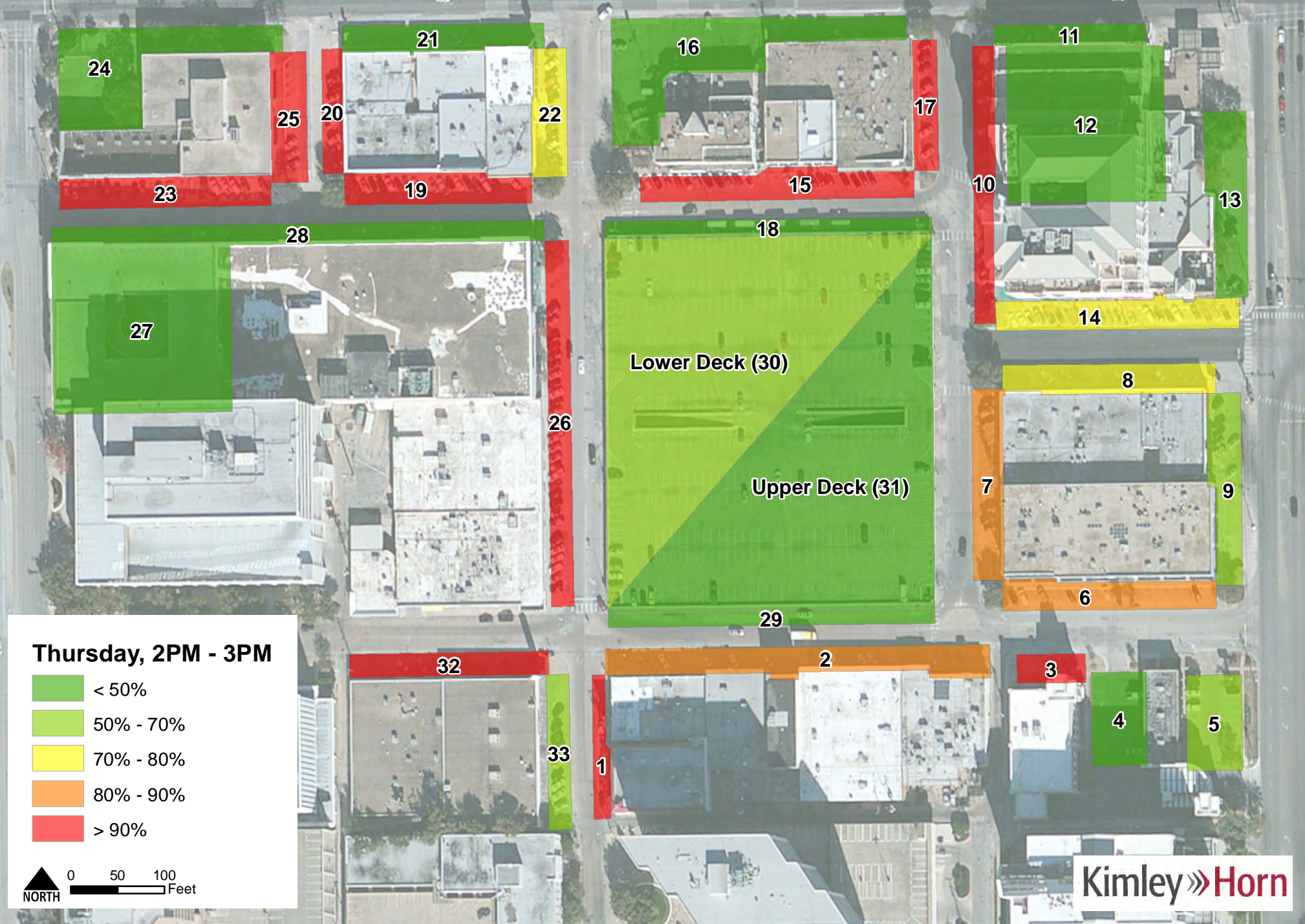


Thursday, 1PM - 2PM

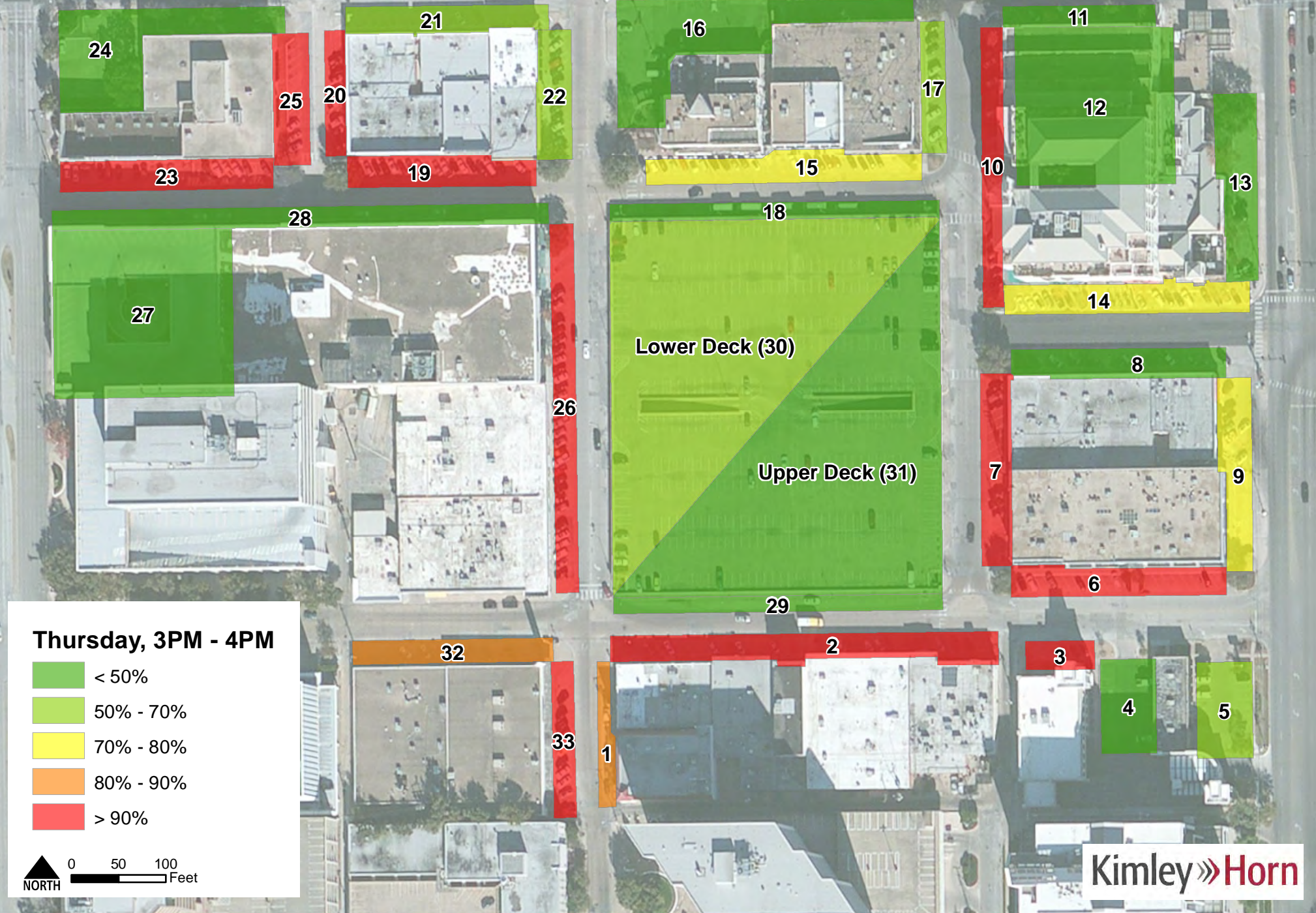
- < 50%
- 50% - 70%
- 70% - 80%
- 80% - 90%
- > 90%



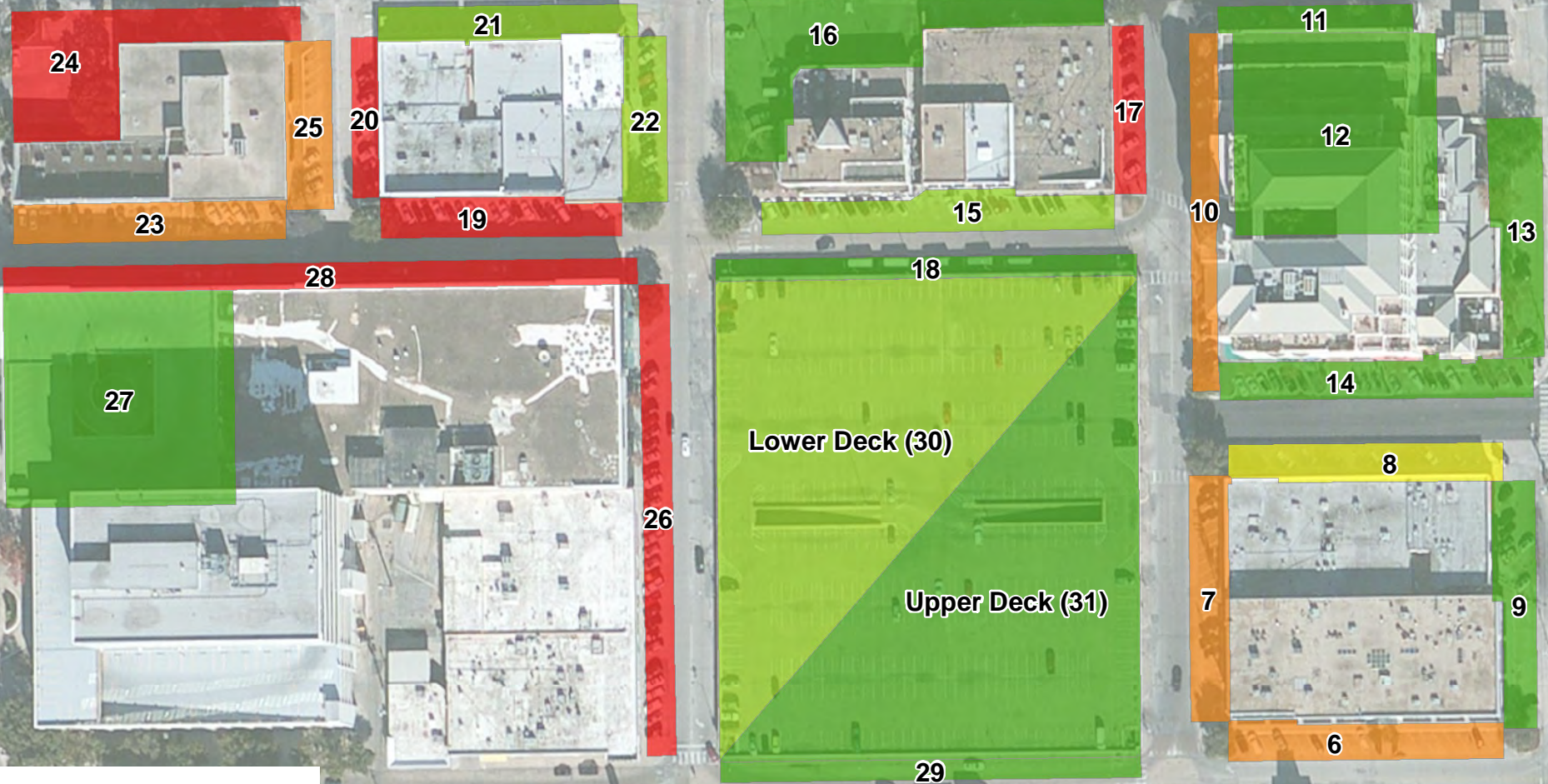
Preston Area Parking Conditions



Preston Area Parking Conditions

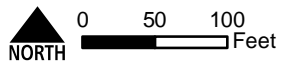


Preston Area Parking Conditions



Thursday, 4PM - 5PM

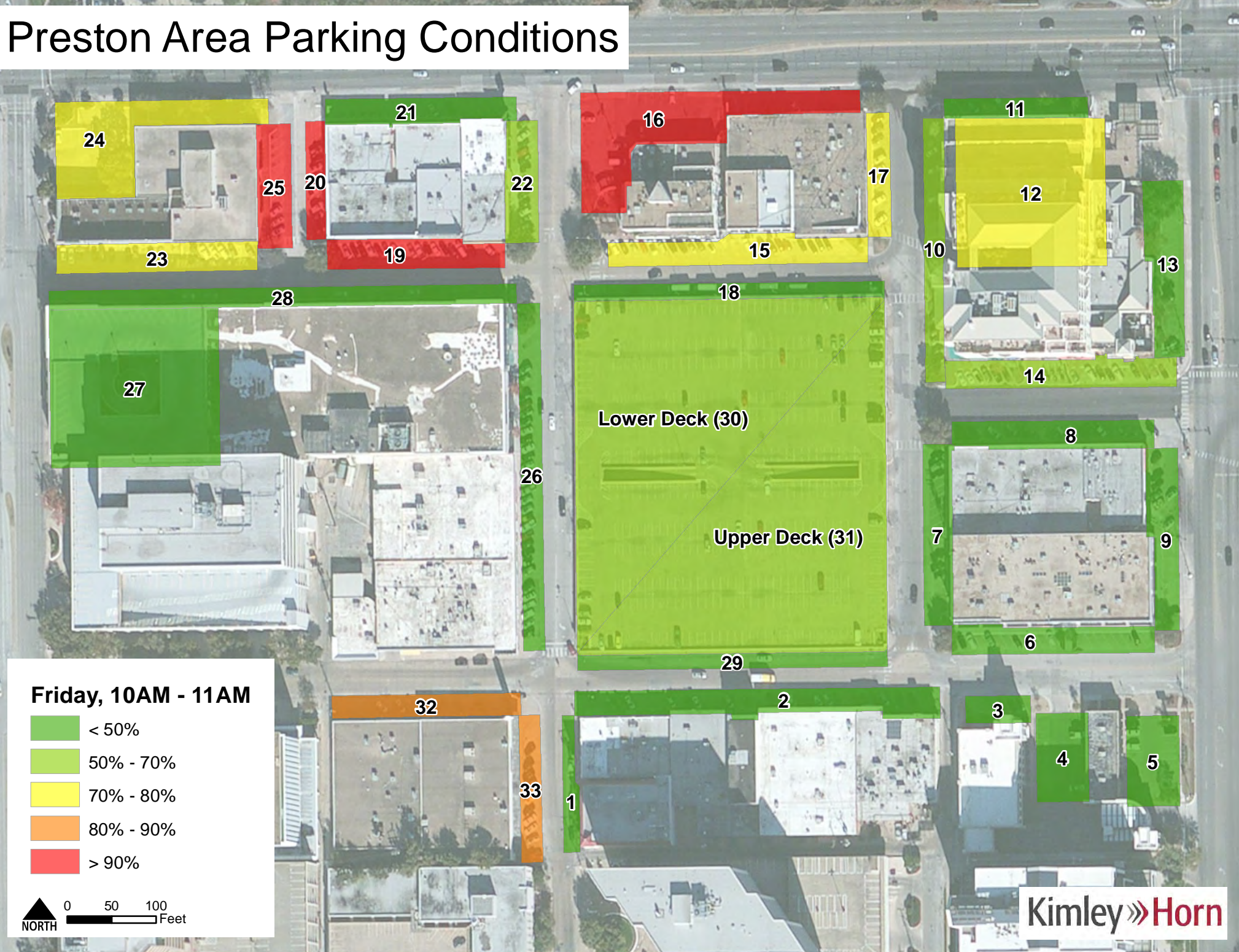
- < 50%
- 50% - 70%
- 70% - 80%
- 80% - 90%
- > 90%



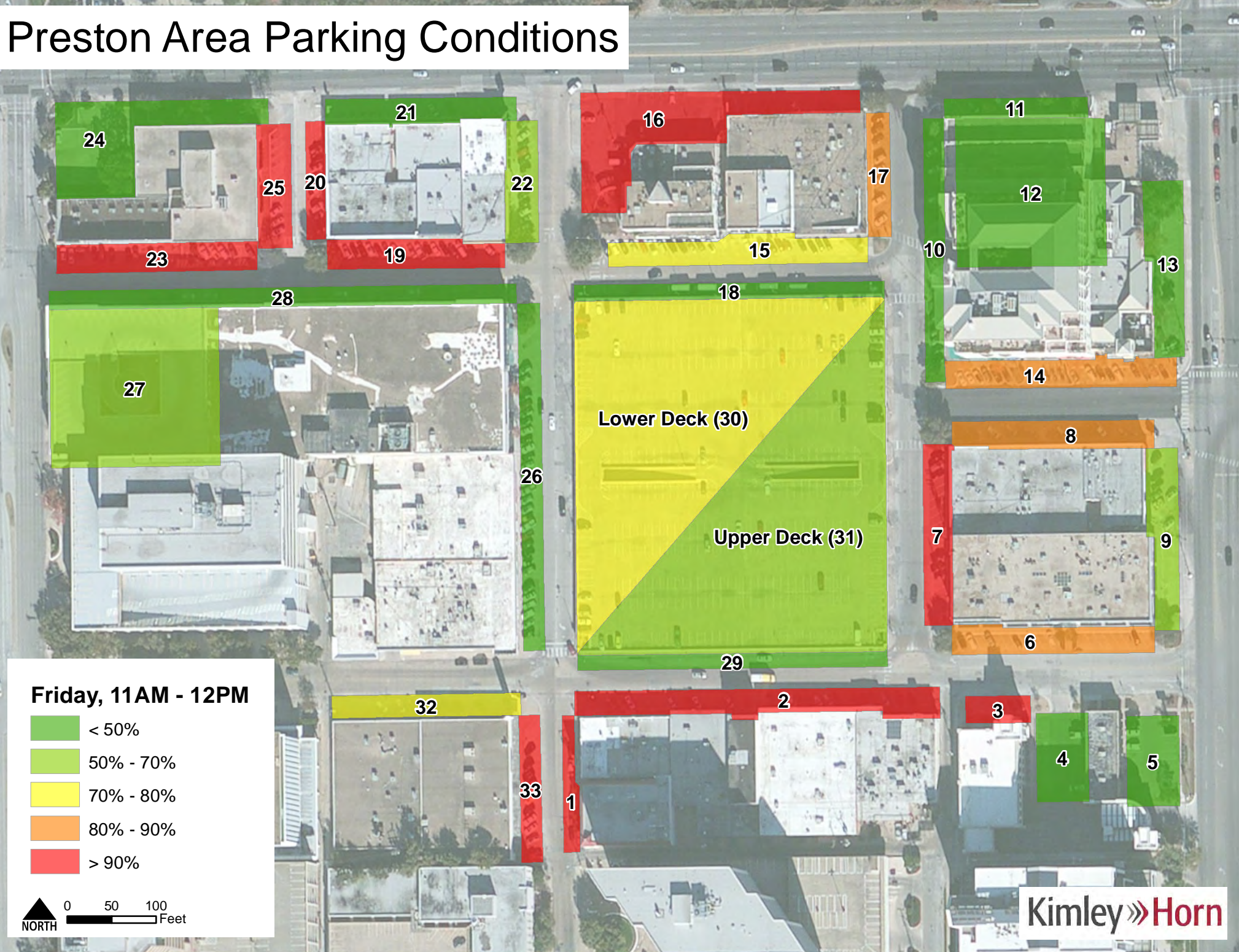
Preston Area Parking Conditions



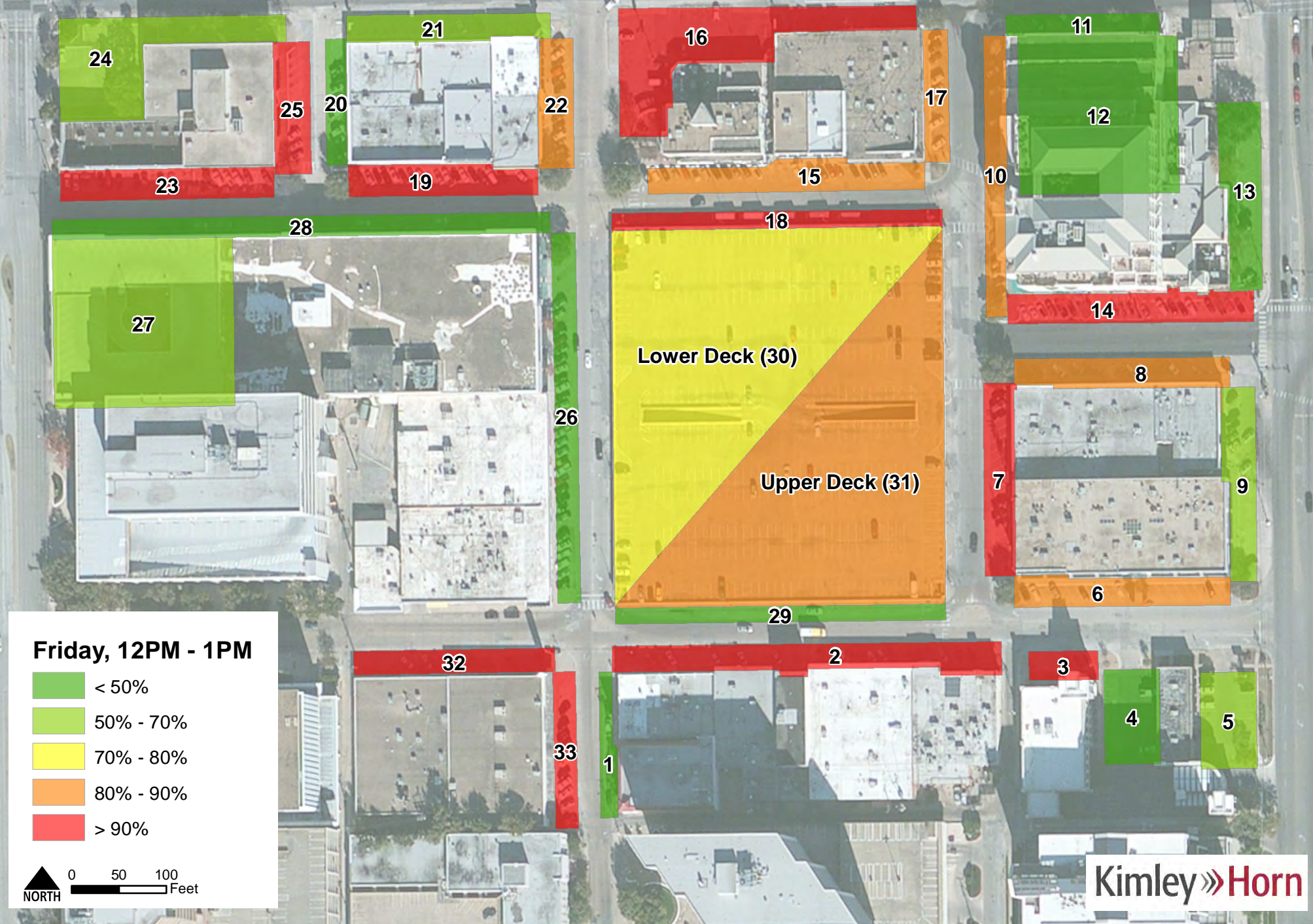
Preston Area Parking Conditions



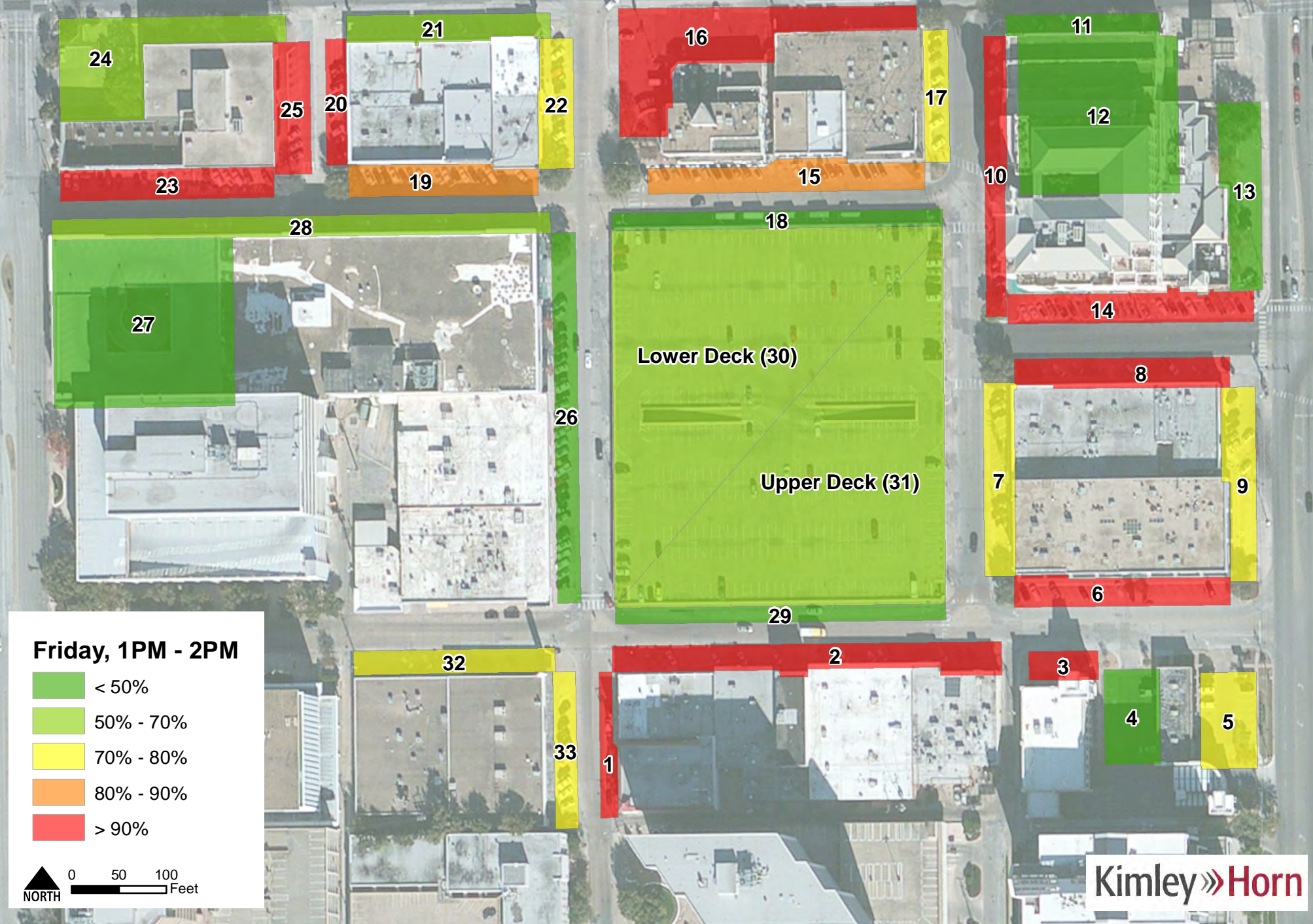
Preston Area Parking Conditions



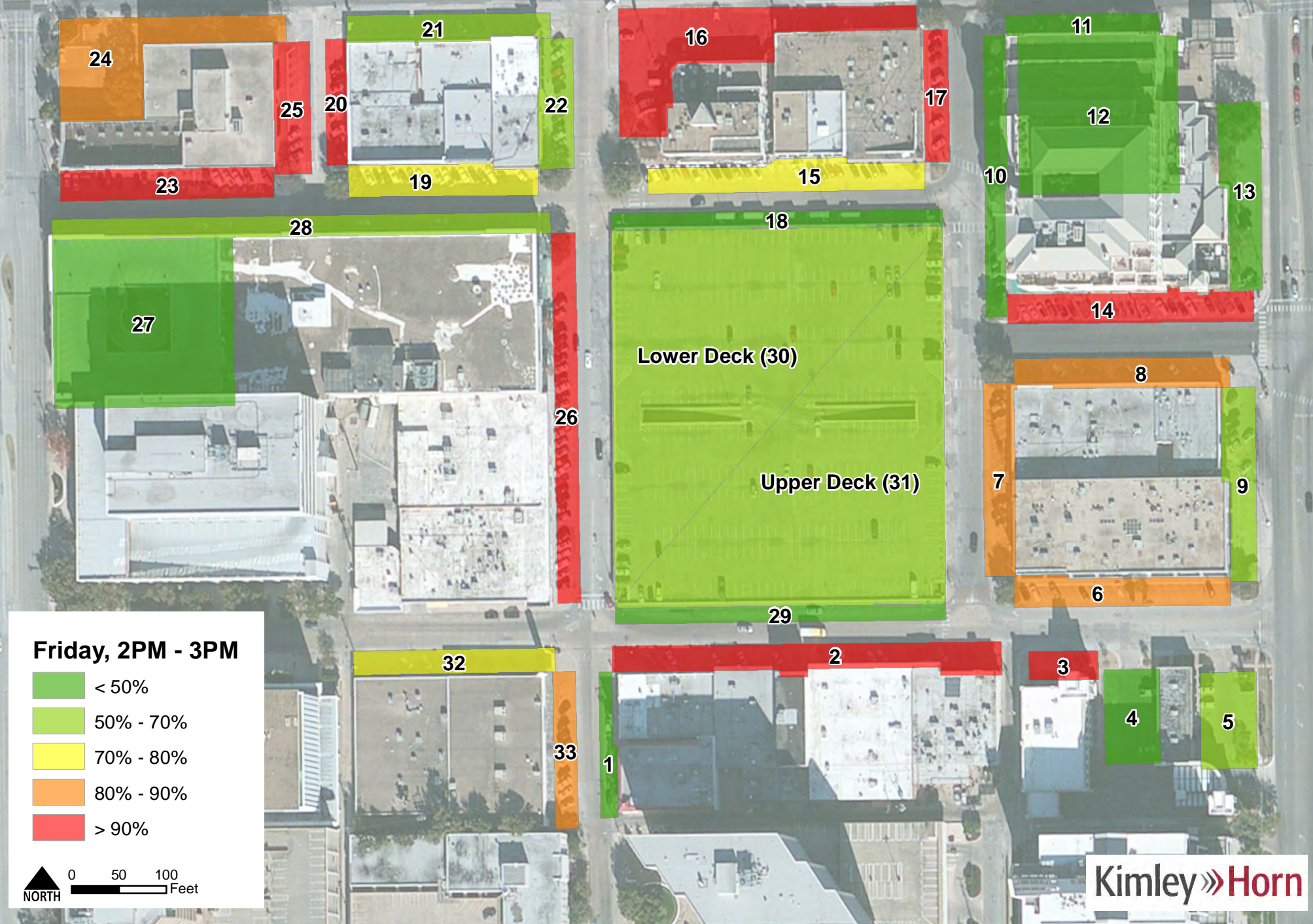
Preston Area Parking Conditions



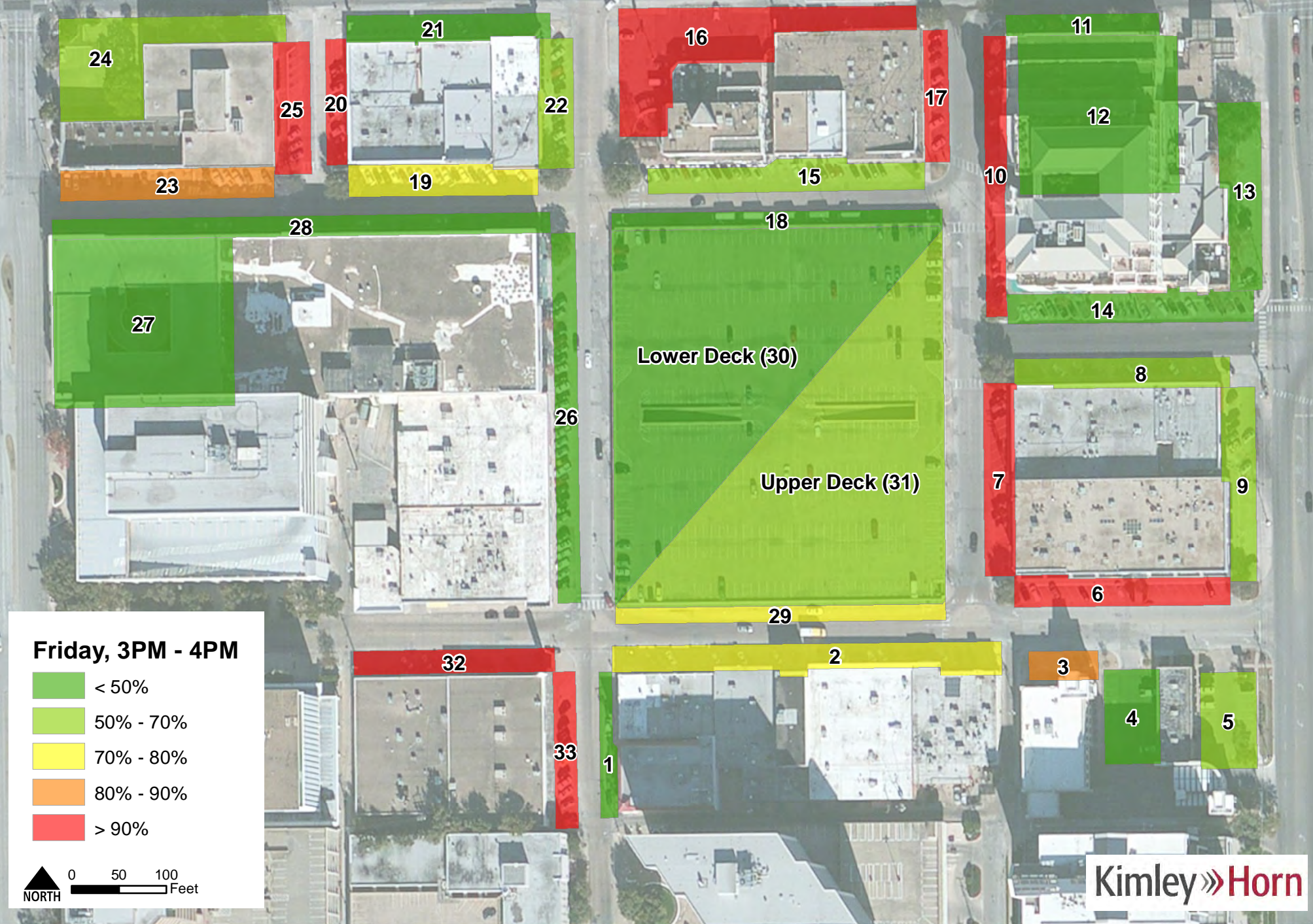
Preston Area Parking Conditions



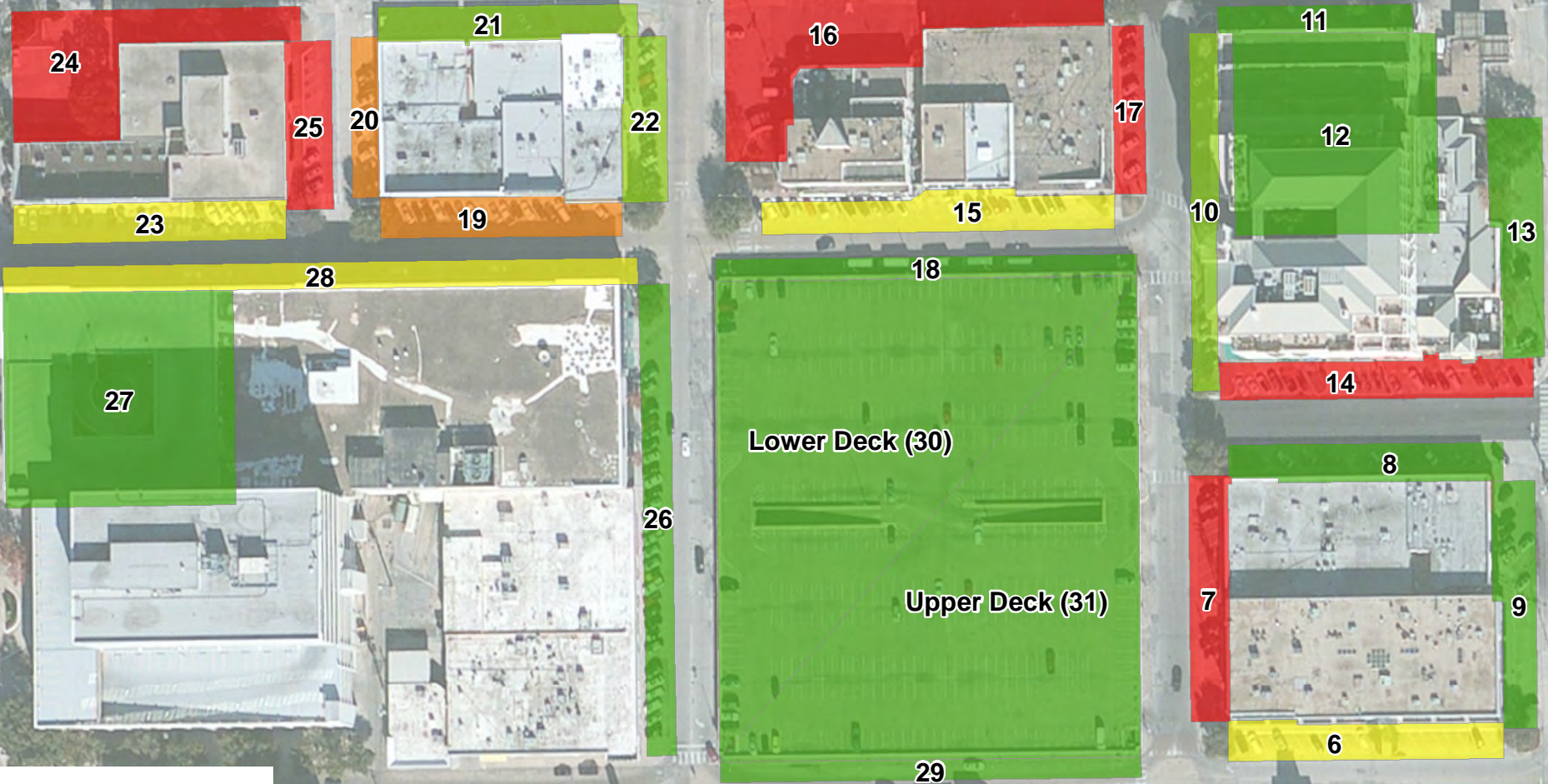
Preston Area Parking Conditions



Preston Area Parking Conditions

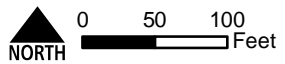


Preston Area Parking Conditions

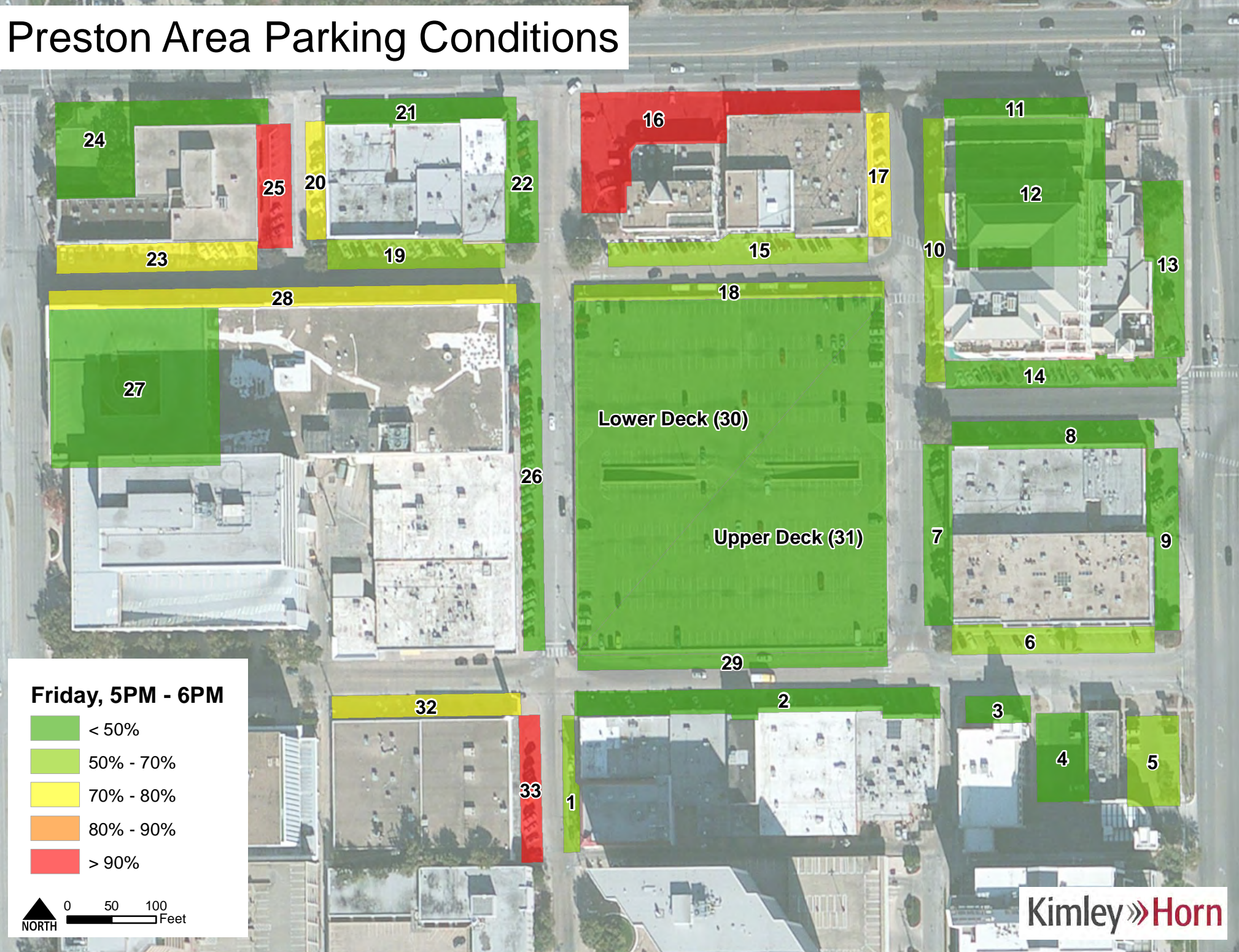


Friday, 4PM - 5PM

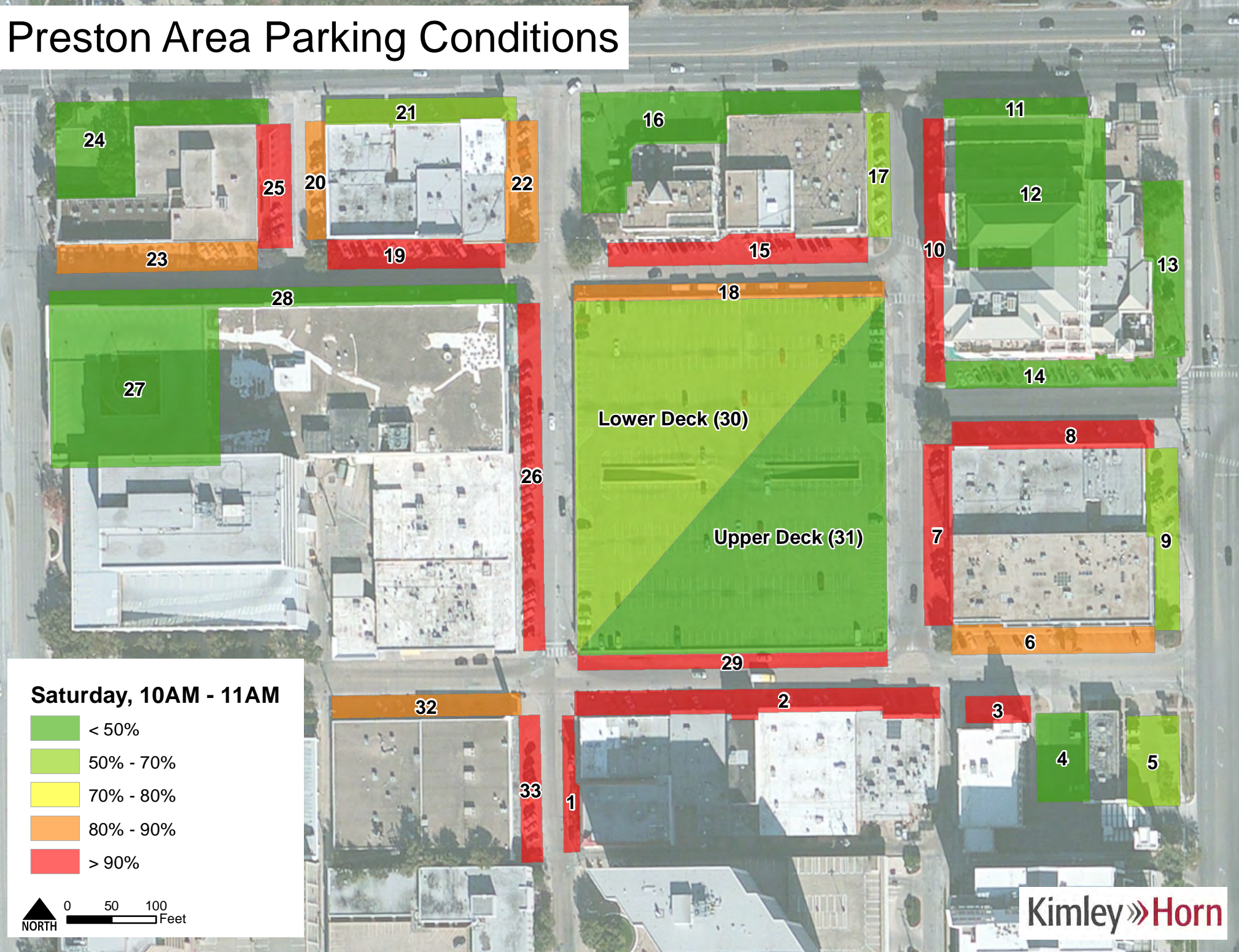
- < 50%
- 50% - 70%
- 70% - 80%
- 80% - 90%
- > 90%



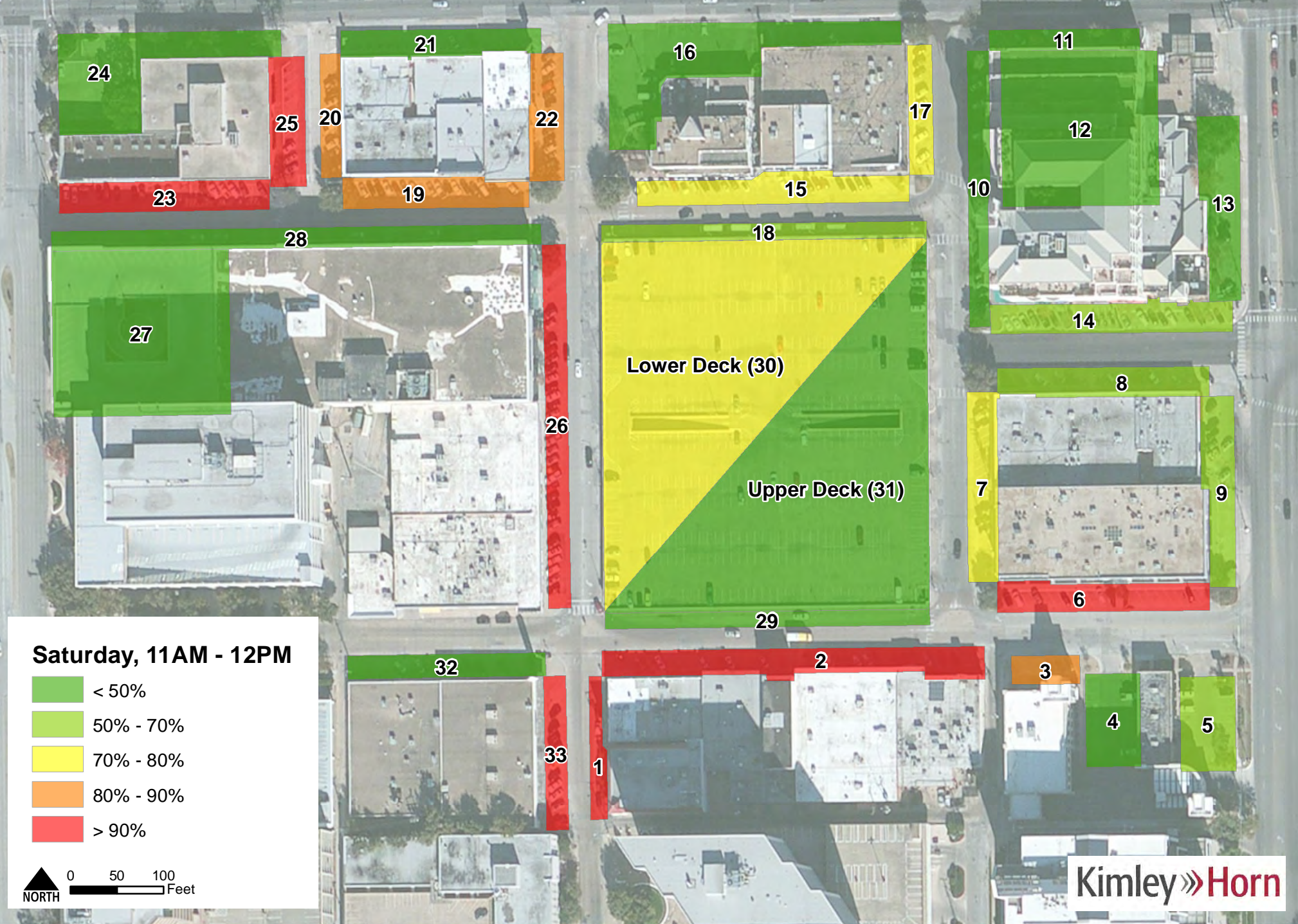
Preston Area Parking Conditions



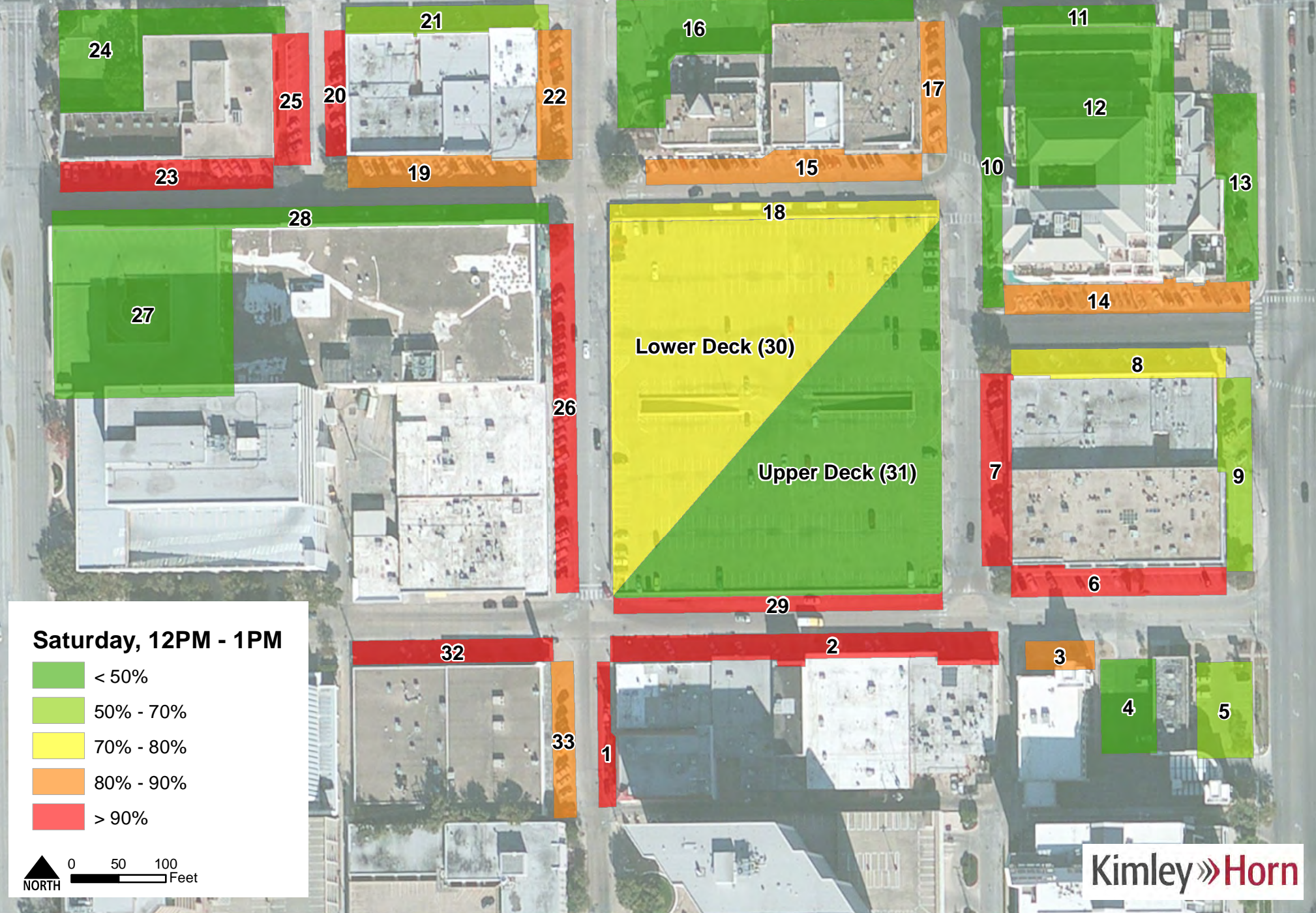
Preston Area Parking Conditions



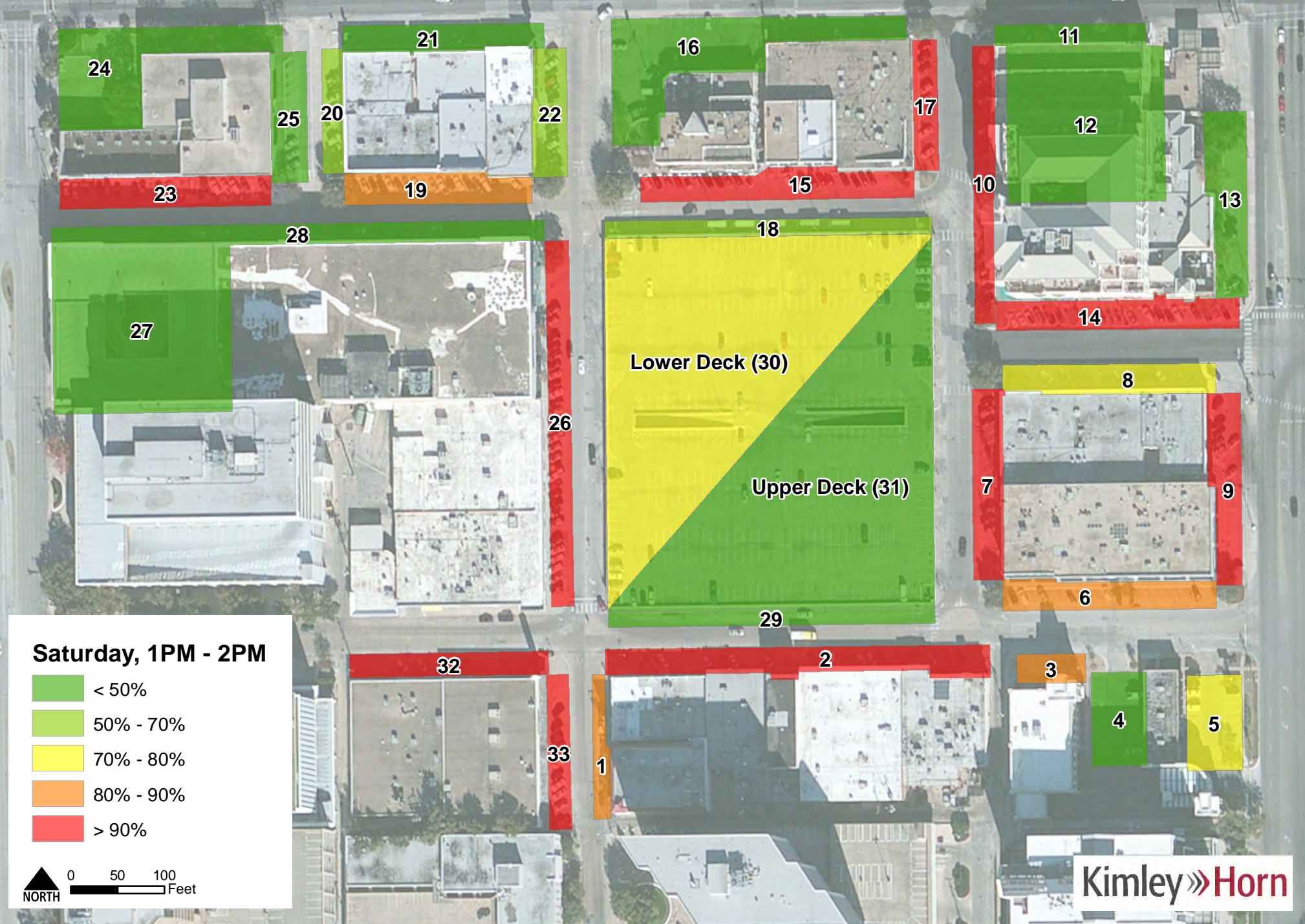
Preston Area Parking Conditions



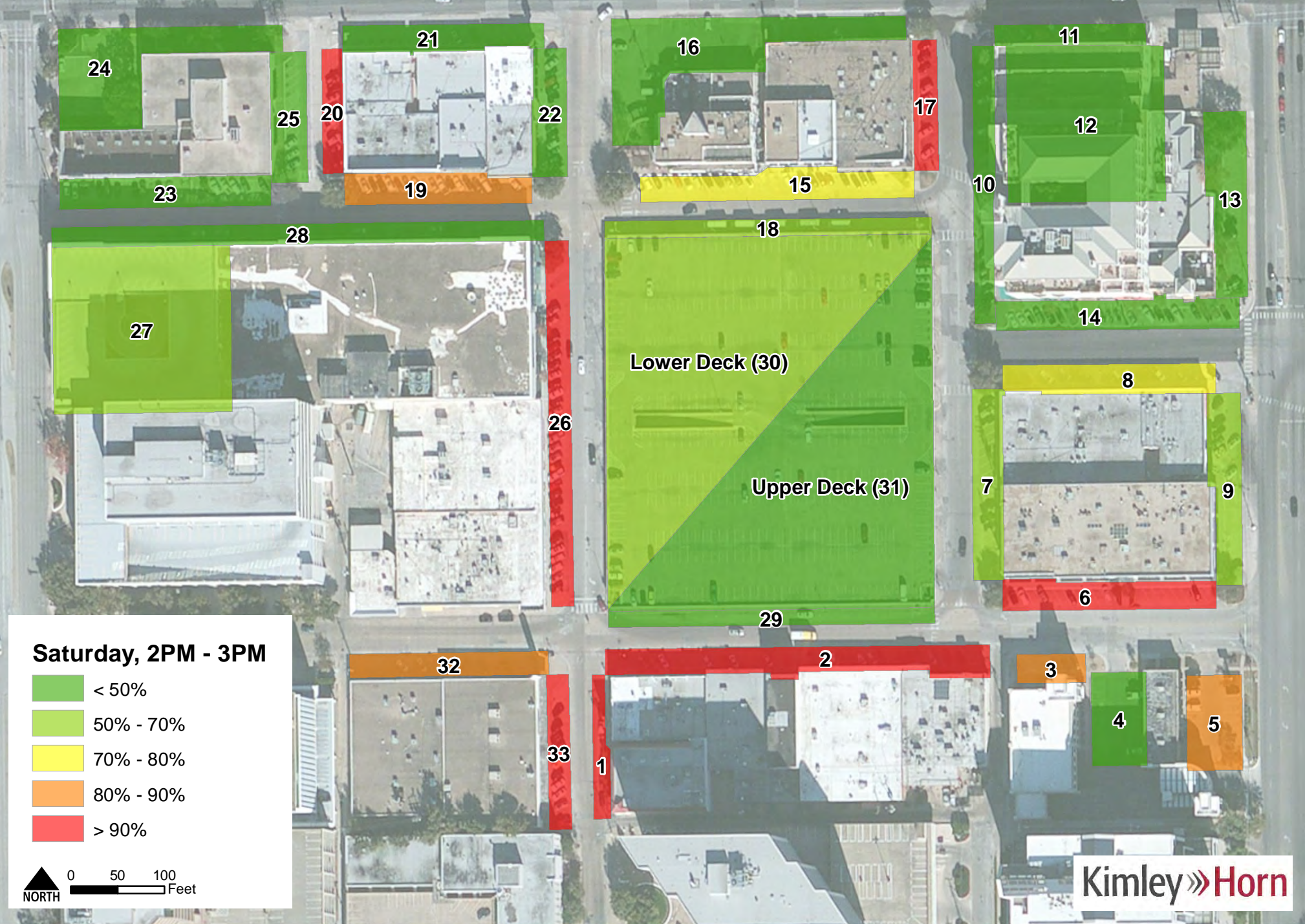
Preston Area Parking Conditions



Preston Area Parking Conditions



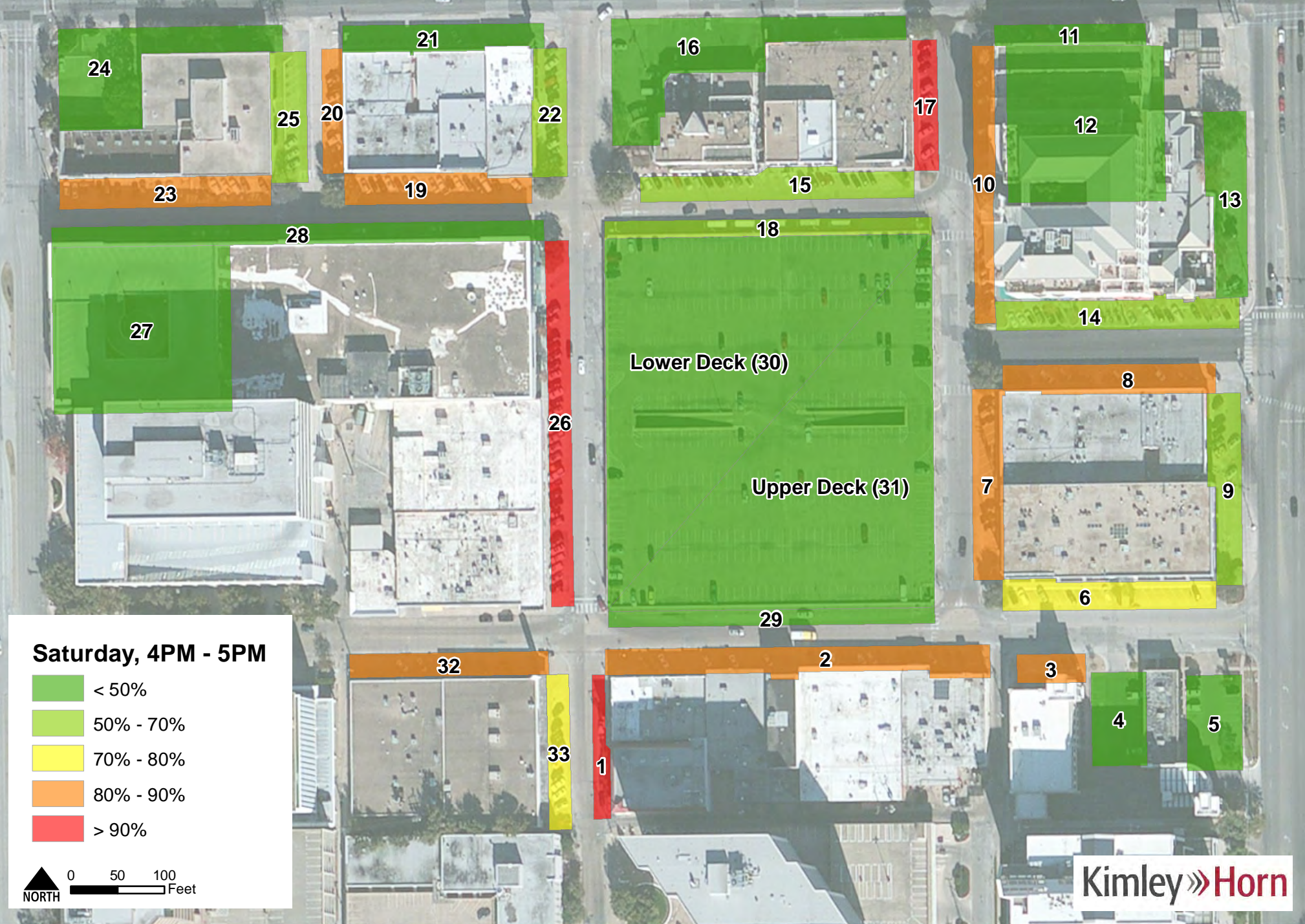
Preston Area Parking Conditions



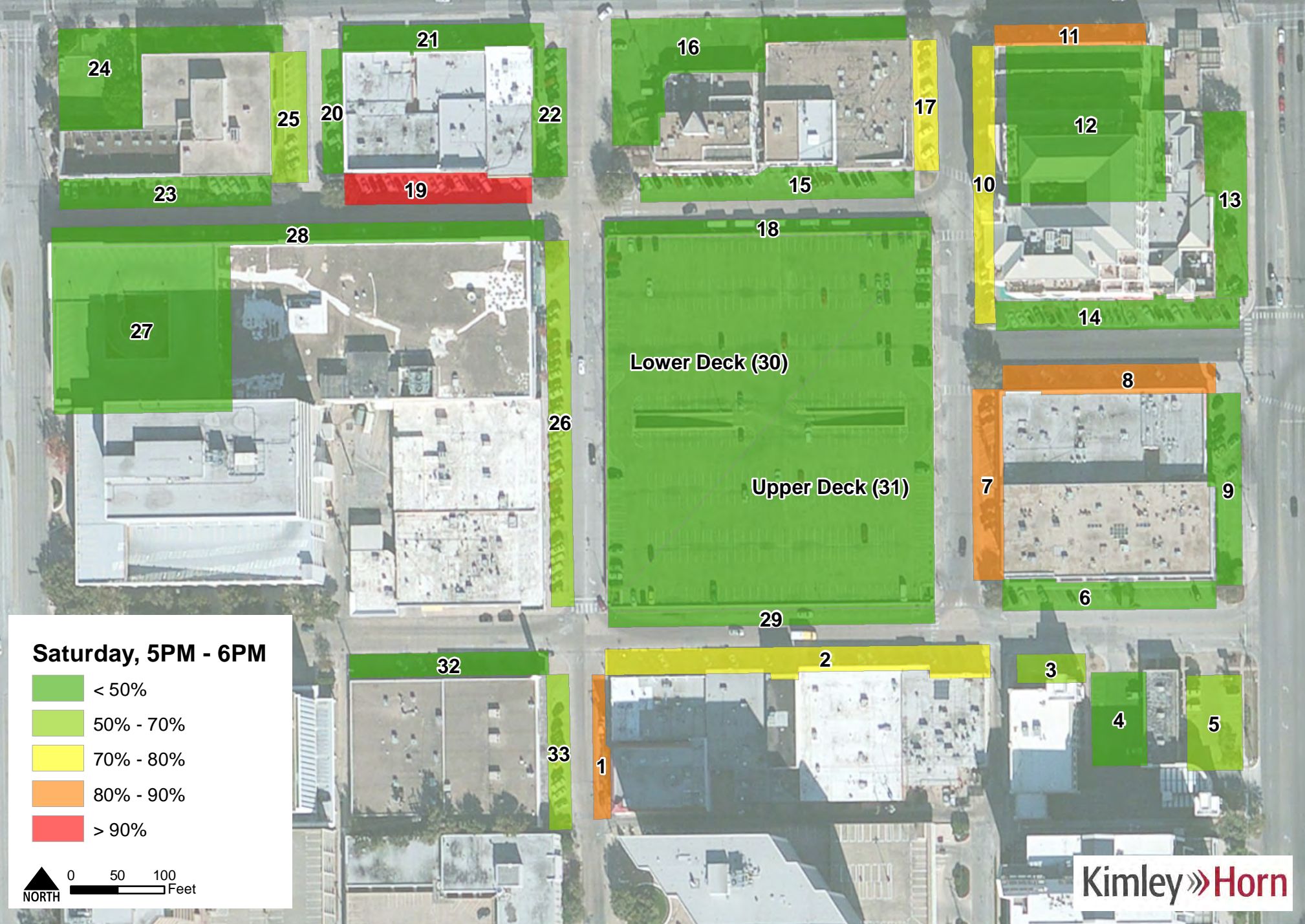
Preston Area Parking Conditions



Preston Area Parking Conditions



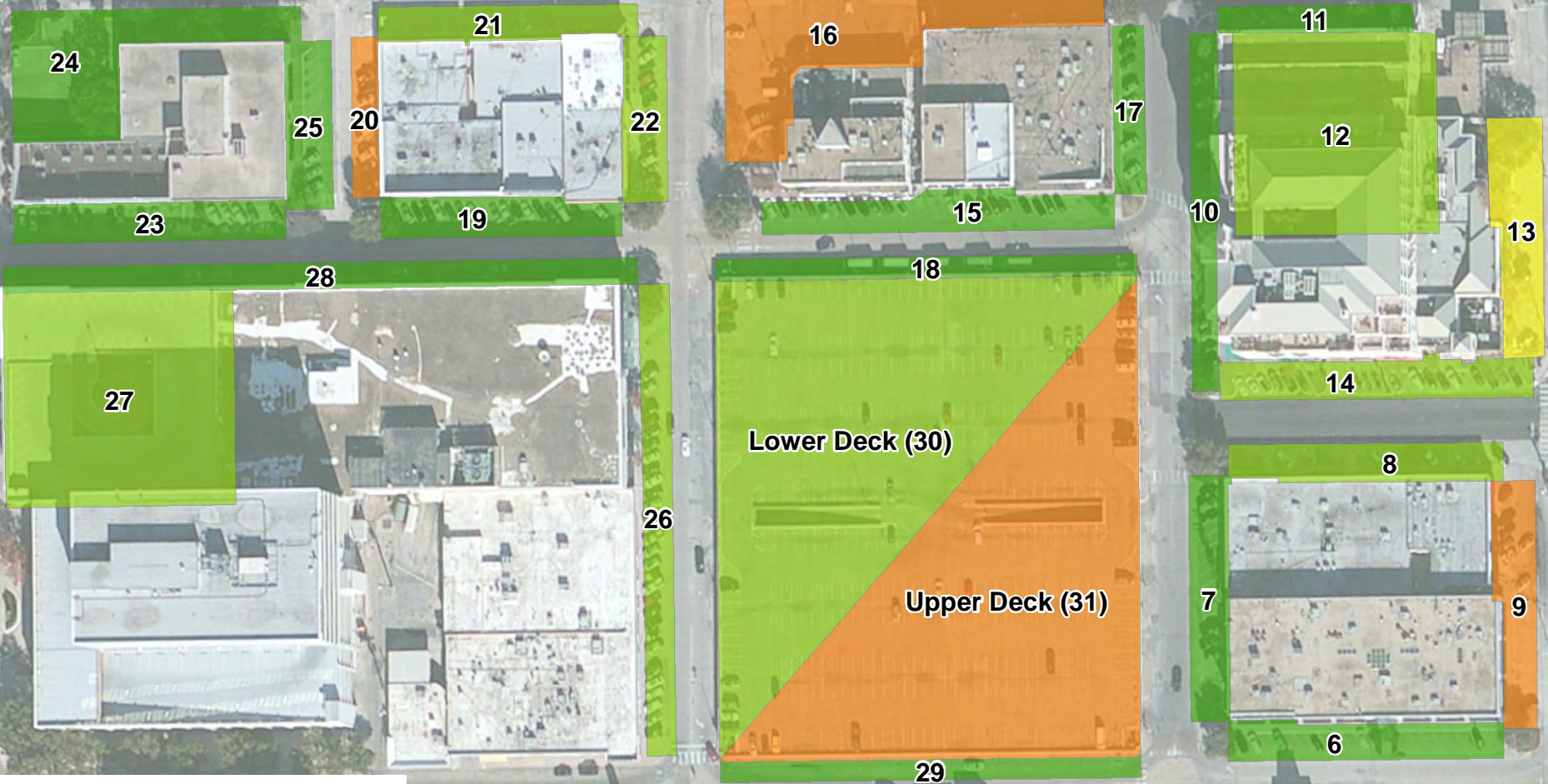
Preston Area Parking Conditions



Duration

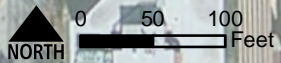
Lot	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	19	17	28	17	20	55	34
2	24	31	35	27	28	28	38
3	-	87	120	140	55	83	35
4	-	123	126	194	177	159	133
5	64	81	55	101	111	132	104
6	11	25	10	19	21	14	16
7	22	42	18	30	23	20	21
8	31	55	37	59	58	41	66
9	75	46	56	29	76	60	58
10	22	23	48	20	35	26	25
11	21	25	19	-	-	-	6
12	34	142	143	147	132	103	54
13	55	-	55	35	36	35	44
14	42	54	84	37	61	45	34
15	17	38	31	26	43	36	37
16	71	-	50	27	15	25	21
17	28	54	66	30	39	72	65
18	25	3	27	32	21	34	19
19	9	29	49	34	37	24	27
20	68	76	109	111	175	135	52
21	43	11	20	11	24	28	25
22	41	33	23	81	27	36	26
23	21	79	27	36	25	40	23
24	-	19	55	49	33	39	27
25	8	119	105	102	161	111	75
26	33	22	30	24	29	-	29
27	42	103	114	114	117	102	59
28	13	42	24	35	29	26	31
29	6	4	-	3	-	-	1
30	40	56	61	52	55	54	50
31	114	158	173	152	175	160	176
32	43	21	25	25	20	26	40
33	28	21	28	20	33	59	26

Preston Area Parking Conditions

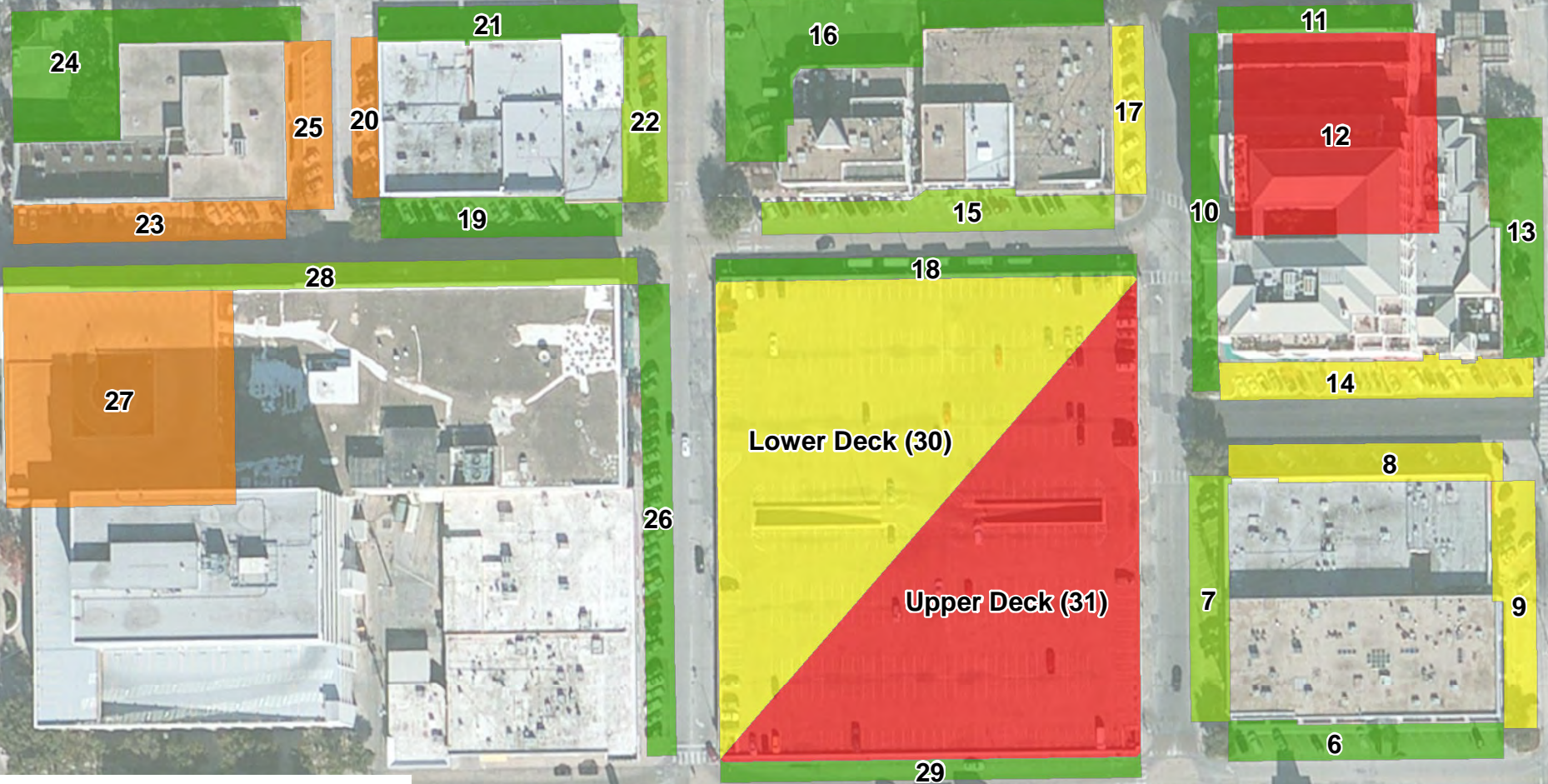


Duration (minutes), Sunday

- < 30
- 30 - 45
- 45 - 60
- 60 - 120
- > 120



Preston Area Parking Conditions

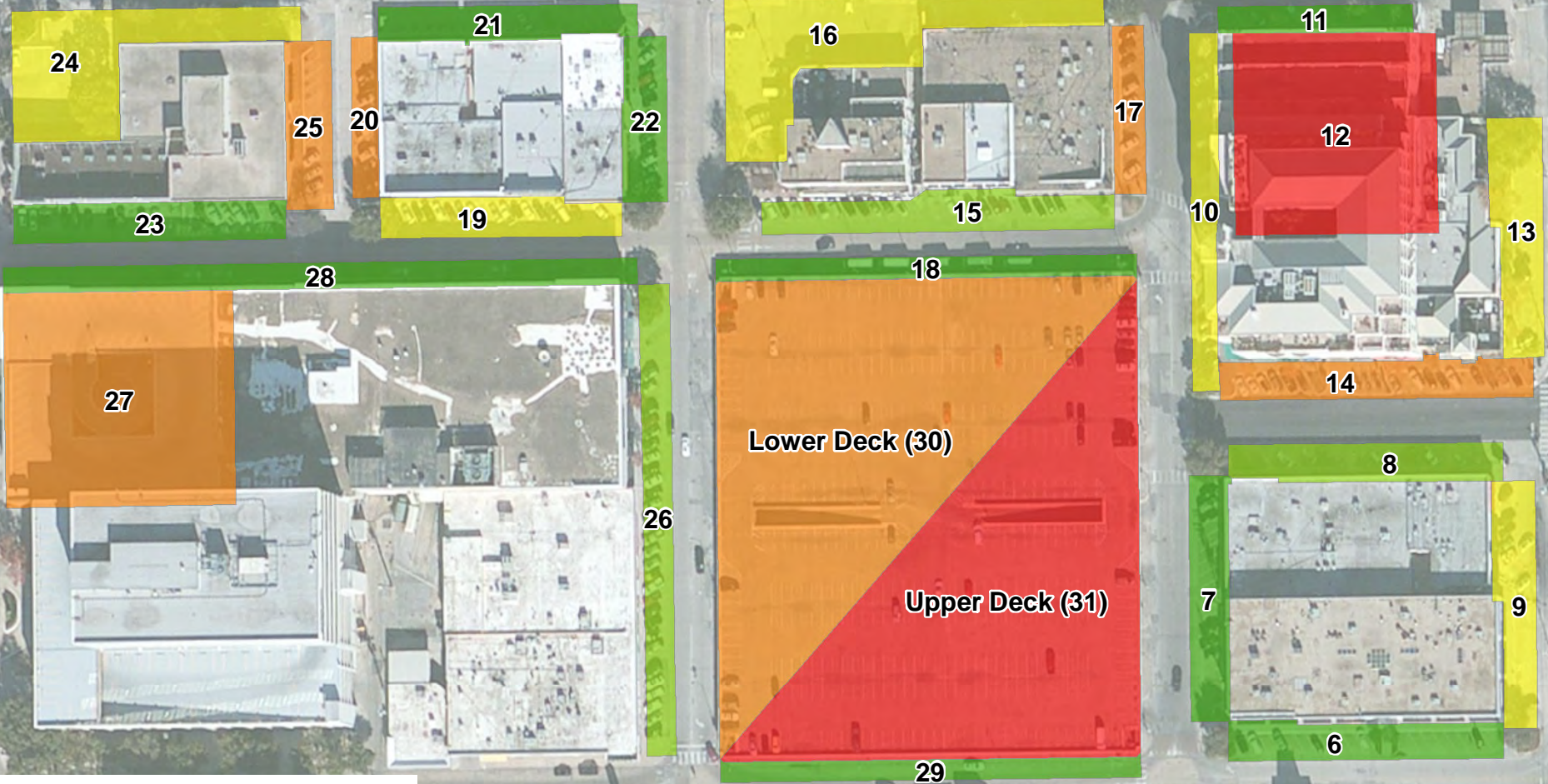


Duration (minutes), Monday

- < 30
- 30 - 45
- 45 - 60
- 60 - 120
- > 120



Preston Area Parking Conditions

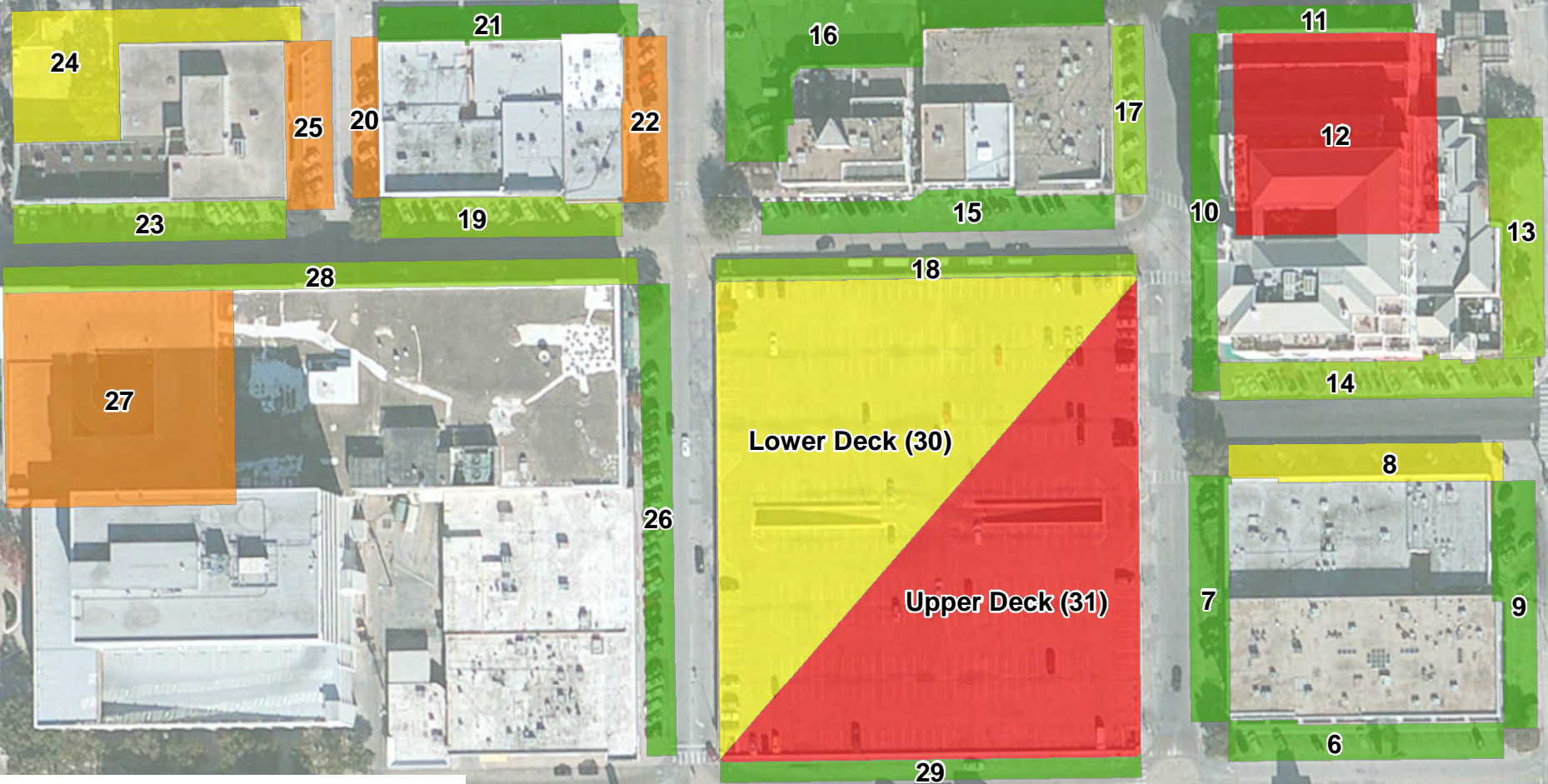


Duration (minutes), Tuesday

- < 30
- 30 - 45
- 45 - 60
- 60 - 120
- > 120



Preston Area Parking Conditions

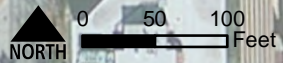
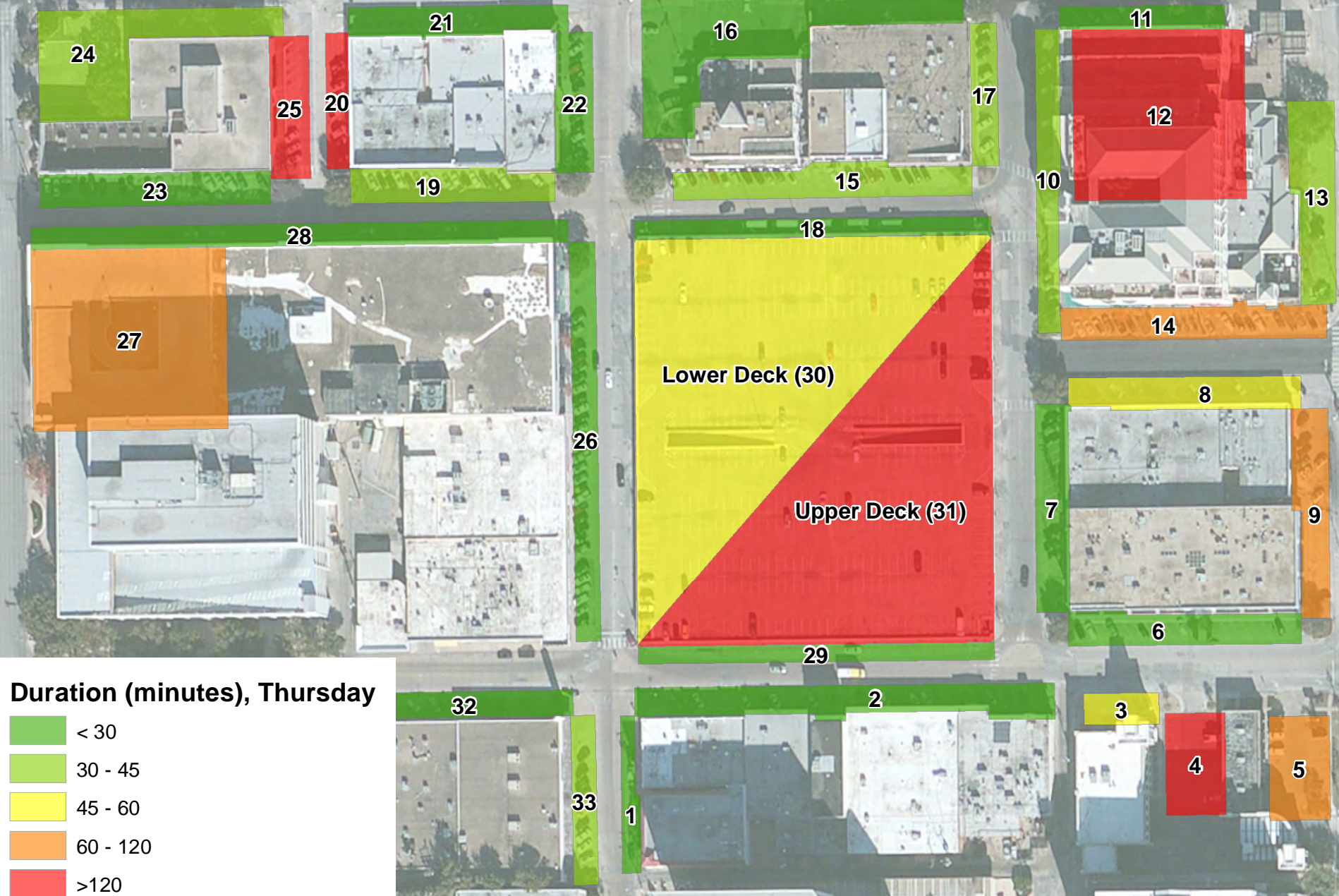


Duration (minutes), Wednesday

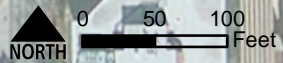
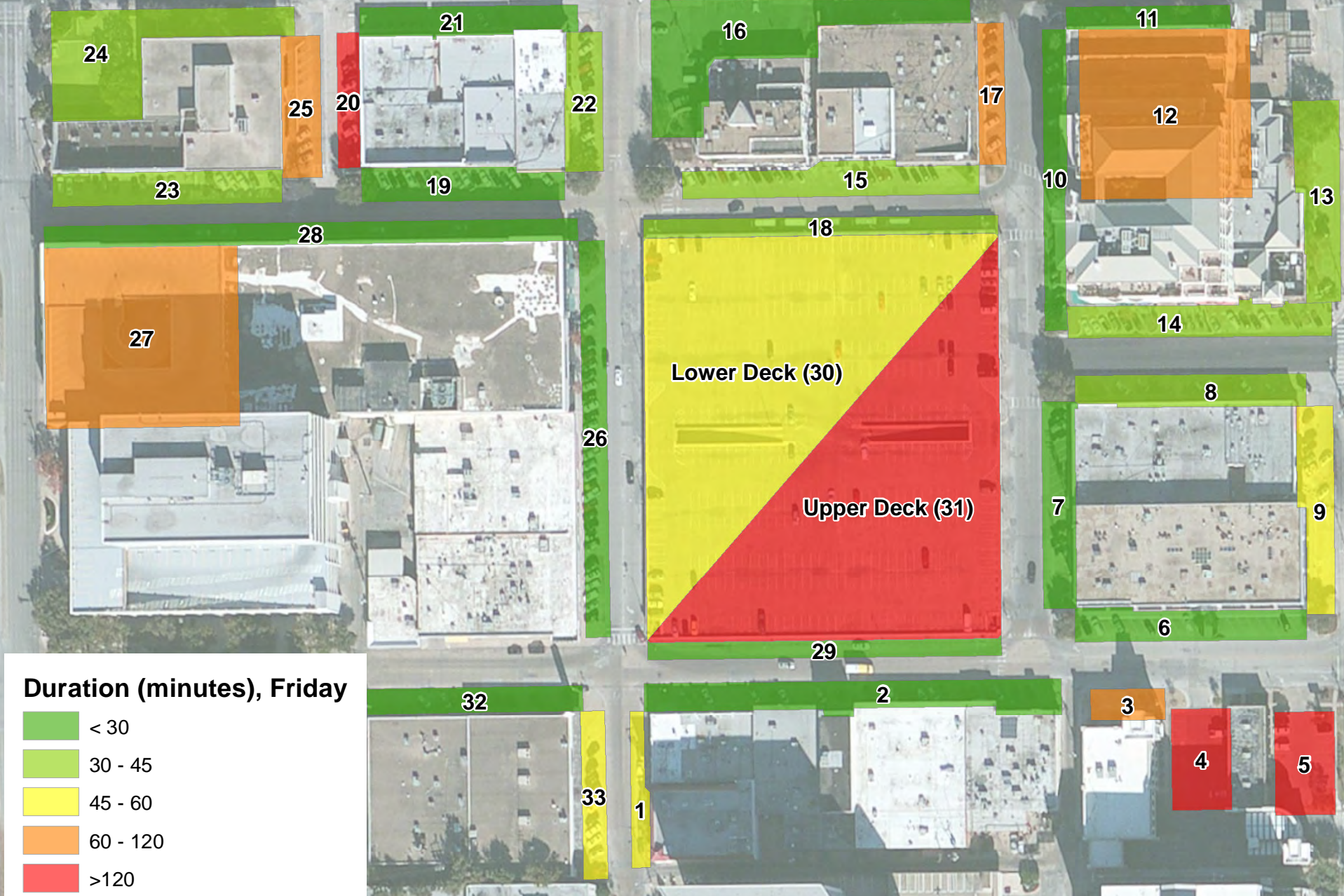
- < 30
- 30 - 45
- 45 - 60
- 60 - 120
- > 120



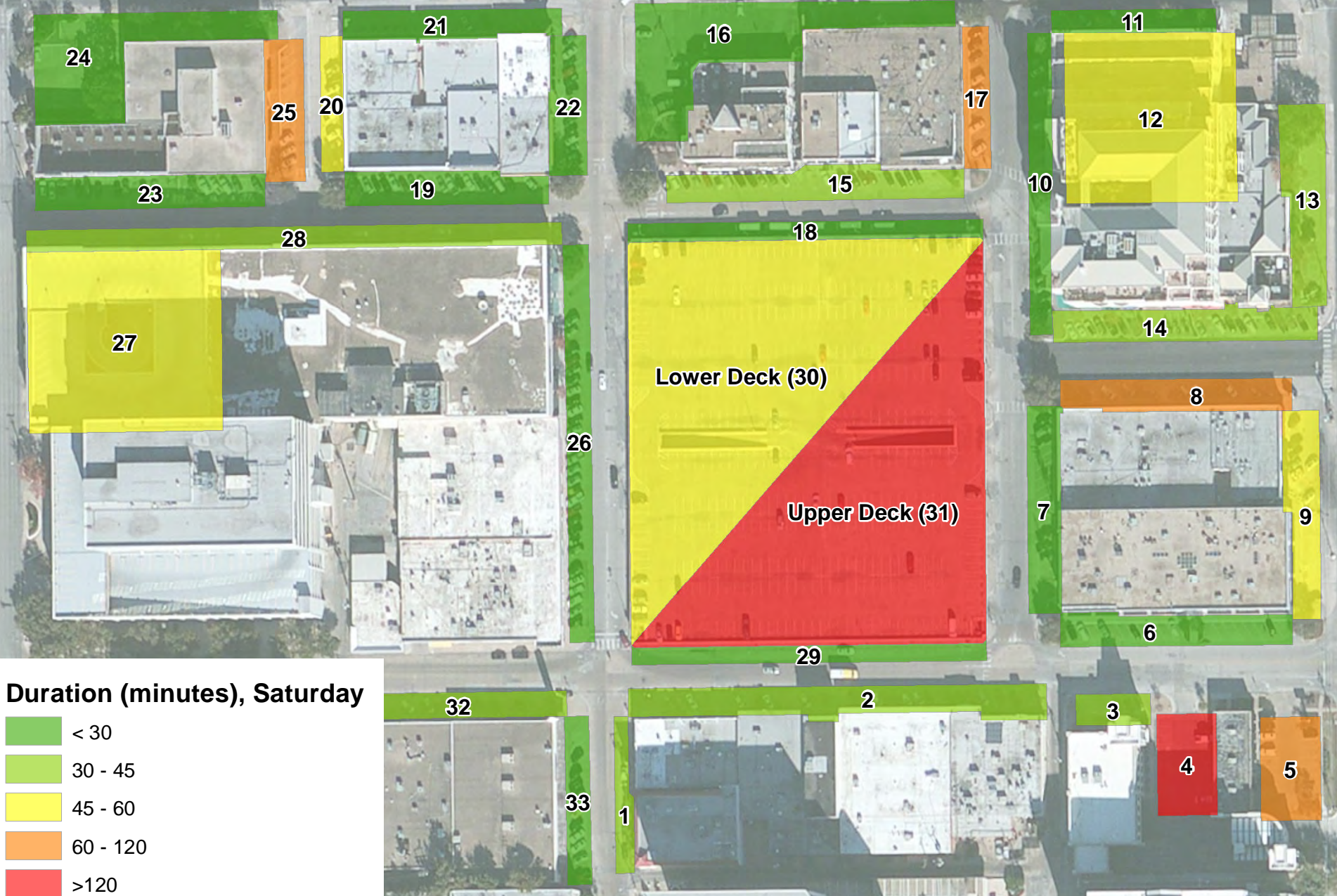
Preston Area Parking Conditions



Preston Area Parking Conditions



Preston Area Parking Conditions



Duration (minutes), Saturday

- < 30
- 30 - 45
- 45 - 60
- 60 - 120
- >120



Facility Occupancy Tables - Showing Vehicle Counts

Sunday

Lot	10AM_11AM	11AM_12PM	12PM_1PM	1PM_2PM	2PM_3PM	3PM_4PM	4PM_5PM	5PM_6PM	Capacity
1	6	5	6	4	4	6	6	2	6
2	34	31	33	34	28	26	22	27	34
3	0	0	0	0	0	0	0	0	6
4	0	0	0	0	0	0	0	0	19
5	2	6	15	9	10	10	7	6	17
6	3	4	13	18	7	6	5	5	18
7	2	1	6	19	6	19	2	4	19
8	1	3	14	18	12	13	14	9	18
9	4	5	12	19	16	13	13	10	19
10	11	2	14	17	15	17	12	13	17
11	2	0	1	8	1	3	6	2	10
12	27	26	37	25	26	37	12	20	311
13	1	4	4	1	3	0	6	0	16
14	6	13	14	0	13	6	10	12	17
15	12	13	14	13	7	9	8	2	25
16	2	2	1	7	5	8	7	4	13
17	6	5	7	6	7	6	7	2	7
18	5	5	3	0	1	4	0	0	13
19	6	11	13	11	16	15	15	16	18
20	0	5	7	8	8	4	8	9	12
21	3	3	7	6	8	10	6	5	19
22	7	5	7	6	8	7	9	4	13
23	8	14	13	14	8	7	12	12	19
24	5	7	0	0	5	4	0	0	21
25	3	6	2	4	9	4	7	7	11
26	22	32	32	32	32	32	32	32	32
27	42	58	67	46	63	46	54	50	309
28	1	5	9	9	7	12	6	5	20
29	2	2	9	2	5	12	1	0	12
30	108	136	199	204	147	137	125	90	432
31	83	44	70	62	58	50	50	40	388
32	15	16	17	17	17	17	17	17	17
33	13	12	13	14	14	14	14	11	14

Facility Occupancy Tables - Showing Vehicle Counts

Monday

Lot	10AM_11AM	11AM_12PM	12PM_1PM	1PM_2PM	2PM_3PM	3PM_4PM	4PM_5PM	5PM_6PM	Capacity
1	6	6	6	6	6	4	6	6	6
2	34	34	34	34	30	34	17	26	34
3	6	6	6	6	6	6	6	4	6
4	8	6	6	5	8	7	7	4	19
5	4	7	10	9	11	10	8	7	17
6	16	18	18	17	18	18	15	12	18
7	19	16	18	16	17	16	16	11	19
8	9	11	12	17	14	13	12	7	18
9	6	7	9	10	11	11	9	6	19
10	17	17	9	13	14	15	14	7	17
11	0	1	1	7	10	8	1	0	10
12	191	135	133	108	121	122	114	74	311
13	0	0	0	0	0	0	0	0	16
14	0	14	15	15	14	14	3	11	17
15	7	25	25	25	20	25	22	12	25
16	1	0	2	0	0	0	1	0	13
17	0	7	5	6	7	5	7	3	7
18	1	2	3	4	4	2	5	2	13
19	11	13	13	15	12	15	16	13	18
20	12	11	12	12	12	4	12	12	12
21	6	3	4	4	6	4	3	3	19
22	13	13	13	13	13	13	13	13	13
23	12	11	14	14	15	19	19	12	19
24	12	13	11	19	19	8	21	21	21
25	1	1	1	2	0	0	0	0	11
26	32	32	32	32	32	32	32	25	32
27	136	138	132	126	121	122	118	127	309
28	10	9	13	13	7	7	15	6	20
29	2	7	7	0	0	4	1	0	12
30	216	220	303	222	201	165	165	180	432
31	183	196	240	223	193	174	148	159	388
32	16	15	17	15	17	17	14	0	17
33	14	14	14	14	13	14	14	1	14

Facility Occupancy Tables - Showing Vehicle Counts

Tuesday

Lot	10AM_11AM	11AM_12PM	12PM_1PM	1PM_2PM	2PM_3PM	3PM_4PM	4PM_5PM	5PM_6PM	Capacity
1	5	5	6	6	6	0	3	6	6
2	33	32	32	32	31	30	32	31	34
3	5	6	6	6	6	6	6	2	6
4	5	8	6	5	6	9	8	6	19
5	6	6	6	10	11	14	14	9	17
6	17	15	18	16	12	18	11	9	18
7	15	15	19	19	17	19	19	12	19
8	7	11	11	14	12	9	6	6	18
9	10	11	10	11	6	12	8	7	19
10	17	14	6	2	15	17	17	6	17
11	7	6	2	1	1	7	7	0	10
12	134	138	142	145	138	133	123	106	311
13	4	5	9	9	10	6	7	0	16
14	12	15	16	10	16	14	7	1	17
15	25	24	20	20	20	24	17	1	25
16	7	7	6	4	2	5	4	0	13
17	5	7	7	7	7	7	7	6	7
18	3	5	8	6	6	3	5	3	13
19	17	16	18	14	16	16	14	7	18
20	12	11	12	12	10	1	12	3	12
21	8	12	9	5	10	8	5	6	19
22	10	8	10	9	13	7	12	5	13
23	15	14	15	17	19	9	10	2	19
24	10	14	8	11	9	8	10	17	21
25	11	11	11	11	11	11	11	11	11
26	31	32	32	32	32	32	28	32	32
27	152	178	175	166	150	139	156	133	309
28	17	9	7	11	8	13	15	20	20
29	4	8	0	12	0	0	6	0	12
30	259	323	387	294	296	247	205	214	432
31	224	236	284	249	223	203	213	137	388
32	17	16	16	17	14	0	11	16	17
33	14	14	14	14	10	14	14	14	14

Facility Occupancy Tables - Showing Vehicle Counts

Wednesday

Lot	10AM_11AM	11AM_12PM	12PM_1PM	1PM_2PM	2PM_3PM	3PM_4PM	4PM_5PM	5PM_6PM	Capacity
1	6	4	6	6	3	4	6	0	6
2	28	32	27	33	29	30	30	9	34
3	6	6	6	6	6	6	6	2	6
4	8	8	8	5	6	8	9	3	19
5	9	6	9	9	15	13	12	6	17
6	17	15	18	18	16	16	16	10	18
7	19	18	19	17	17	19	19	6	19
8	10	17	15	18	13	13	12	4	18
9	3	10	8	10	8	7	7	6	19
10	4	11	5	17	8	6	0	5	17
11	0	0	0	0	0	0	0	0	10
12	166	164	151	161	177	163	149	47	311
13	0	6	6	3	8	6	5	1	16
14	11	10	15	15	17	11	12	5	17
15	20	22	23	17	20	21	15	7	25
16	2	4	4	5	1	2	3	1	13
17	5	7	4	6	7	5	7	0	7
18	9	4	7	5	4	8	5	2	13
19	17	18	17	18	18	16	15	6	18
20	12	9	12	12	12	12	12	4	12
21	8	9	5	5	4	3	5	1	19
22	8	10	10	7	11	7	8	4	13
23	17	19	19	19	19	19	16	5	19
24	9	11	13	12	13	10	21	0	21
25	11	10	11	11	10	9	11	1	11
26	32	32	32	32	32	32	22	23	32
27	156	151	155	156	140	132	136	56	309
28	12	18	16	9	7	14	5	1	20
29	8	0	7	7	0	0	0	1	12
30	250	298	359	278	253	218	218	105	432
31	218	247	324	260	223	211	214	56	388
32	13	17	14	17	13	16	17	6	17
33	10	14	9	14	13	13	14	4	14

Facility Occupancy Tables - Showing Vehicle Counts

Thursday

Lot	10AM_11AM	11AM_12PM	12PM_1PM	1PM_2PM	2PM_3PM	3PM_4PM	4PM_5PM	5PM_6PM	Capacity
1	5	6	6	4	6	5	6	4	6
2	31	31	34	31	28	32	26	27	34
3	6	6	6	6	6	6	6	2	6
4	7	9	7	7	8	9	9	5	19
5	4	11	6	9	11	11	12	11	17
6	17	15	18	18	16	18	15	16	18
7	16	19	19	19	17	18	17	12	19
8	10	12	13	16	13	9	13	6	18
9	10	12	12	8	12	14	7	8	19
10	1	8	15	6	17	17	15	10	17
11	0	6	0	0	0	0	0	0	10
12	154	151	155	149	139	143	133	95	311
13	3	9	0	6	7	8	0	2	16
14	7	13	8	17	13	12	0	9	17
15	16	20	18	25	24	18	14	22	25
16	3	3	2	7	3	2	6	4	13
17	6	6	5	6	7	4	7	7	7
18	5	6	13	5	2	5	4	4	13
19	18	16	18	18	18	17	18	17	18
20	10	10	11	11	12	12	12	8	12
21	4	9	12	8	6	10	10	6	19
22	9	8	9	5	10	9	8	6	13
23	18	19	19	19	19	19	17	13	19
24	6	11	21	16	9	9	21	1	21
25	11	11	9	10	10	11	9	10	11
26	32	32	32	32	32	32	32	32	32
27	156	152	191	162	151	135	120	126	309
28	17	9	19	8	9	9	19	9	20
29	0	0	0	5	0	0	0	7	12
30	258	303	332	299	254	261	253	207	432
31	221	225	299	250	189	193	189	130	388
32	16	17	16	16	16	15	16	17	17
33	14	14	11	14	9	14	12	12	14

Facility Occupancy Tables - Showing Vehicle Counts

Friday

Lot	10AM_11AM	11AM_12PM	12PM_1PM	1PM_2PM	2PM_3PM	3PM_4PM	4PM_5PM	5PM_6PM	Capacity
1	0	6	3	6	3	3	6	4	6
2	0	32	33	32	32	26	34	17	34
3	0	6	6	6	6	5	5	1	6
4	0	7	8	6	5	7	6	3	19
5	0	7	10	12	11	10	13	10	17
6	9	16	15	18	16	18	13	12	18
7	0	18	18	15	17	18	18	9	19
8	0	15	15	17	15	12	9	7	18
9	1	11	10	15	13	12	5	7	19
10	11	2	15	17	0	17	9	10	17
11	1	0	0	0	0	2	2	0	10
12	237	154	134	123	138	123	104	78	311
13	3	0	1	3	4	0	6	0	16
14	9	15	17	16	16	6	16	8	17
15	20	20	21	22	18	14	20	13	25
16	13	13	13	13	13	13	13	13	13
17	5	6	6	5	7	7	7	5	7
18	6	4	13	5	6	5	6	7	13
19	17	18	17	16	13	14	15	11	18
20	11	11	2	11	12	12	10	9	12
21	7	8	10	10	11	8	10	8	19
22	7	8	11	10	8	8	8	3	13
23	14	19	19	19	18	16	15	15	19
24	15	10	12	11	18	13	21	7	21
25	10	11	11	10	11	11	11	10	11
26	0	1	0	1	30	0	1	0	32
27	141	175	166	151	144	119	106	5	309
28	8	10	9	11	14	7	16	16	20
29	0	0	0	1	0	9	3	0	12
30	234	324	326	271	238	173	168	148	432
31	212	232	339	249	251	197	170	138	388
32	14	13	17	13	13	16	17	12	17
33	12	14	14	10	12	13	14	13	14

Facility Occupancy Tables - Showing Vehicle Counts

Saturday

Lot	10AM_11AM	11AM_12PM	12PM_1PM	1PM_2PM	2PM_3PM	3PM_4PM	4PM_5PM	5PM_6PM	Capacity
1	6	6	6	5	6	4	6	5	6
2	34	32	34	33	34	33	30	24	34
3	6	5	5	5	5	3	5	4	6
4	2	3	2	1	2	1	1	1	19
5	9	10	11	13	15	10	8	11	17
6	16	17	18	15	18	14	13	9	18
7	19	14	19	18	12	15	17	16	19
8	18	11	13	14	14	12	15	15	18
9	11	12	10	19	12	12	11	7	19
10	16	0	2	17	3	16	14	12	17
11	0	0	0	0	0	1	2	9	10
12	43	67	66	35	70	77	20	25	311
13	0	3	3	7	0	0	6	0	16
14	8	9	15	17	4	2	11	6	17
15	23	19	22	25	19	1	15	9	25
16	4	4	3	4	2	6	6	2	13
17	4	5	6	7	7	5	7	5	7
18	11	8	10	8	7	8	8	5	13
19	17	16	16	16	15	17	16	18	18
20	10	10	12	8	12	8	10	6	12
21	10	8	10	4	5	0	8	6	19
22	11	11	11	8	0	7	7	6	13
23	16	19	19	19	0	19	17	8	19
24	5	5	5	3	0	2	6	1	21
25	11	11	11	5	0	8	6	7	11
26	32	32	32	32	32	25	32	22	32
27	114	131	125	110	174	110	78	88	309
28	8	7	9	8	0	11	7	9	20
29	12	6	12	0	0	0	0	0	12
30	296	312	329	319	295	267	206	140	432
31	119	134	156	140	146	123	115	87	388
32	15	2	17	17	14	15	15	0	17
33	14	14	12	14	14	13	11	8	14