

LOVE FIELD ENVIRONMENTAL ADVISORY COMMITTEE QUARTERLY REPORT

January 17th, 2019

Dallas Love Field
7555 Lemmon Ave
Conference Room 103

AGENDA

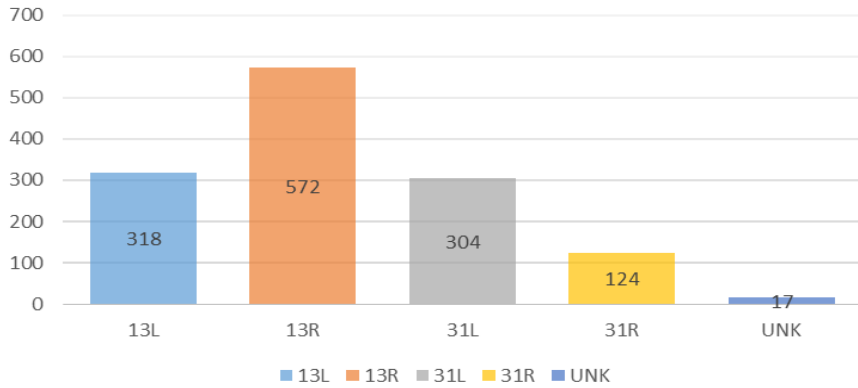
- ▶ Introductions
- ▶ Noise Control
 - ▶ Runway Usage Night
 - ▶ Runway Usage by Airline
 - ▶ Noise Lab
- ▶ Runway Reconstruction
 - ▶ Runway 13R-31L Proposed Action Noise Contours
- ▶ Good Neighbor Program
- ▶ Open Discussion
- ▶ Next Meeting – April 18, 2019

RUNWAY OPERATIONS DURING PREFERENTIAL HOURS

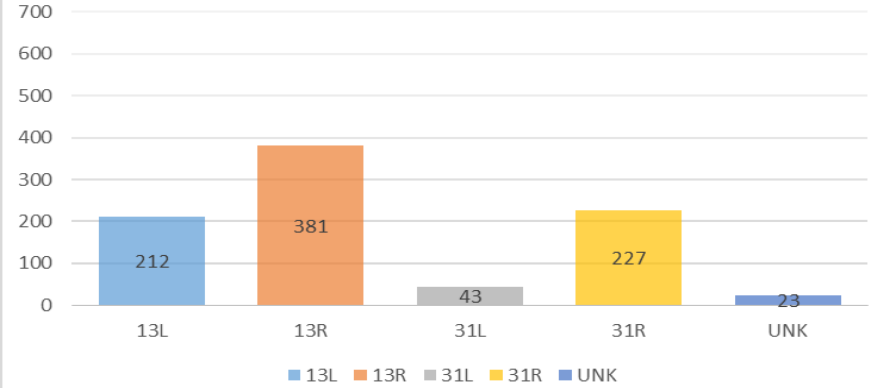
2100 – 0600

(OCT–DEC 2018)

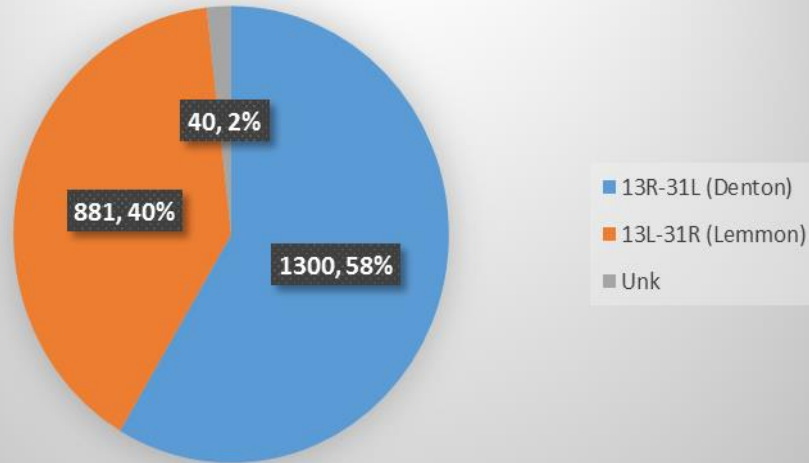
ARRIVALS PER RUNWAY



DEPARTURES PER RUNWAY

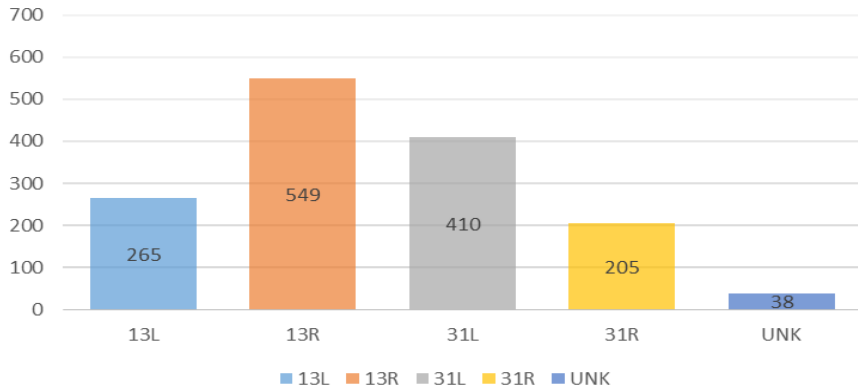


Total Operations October

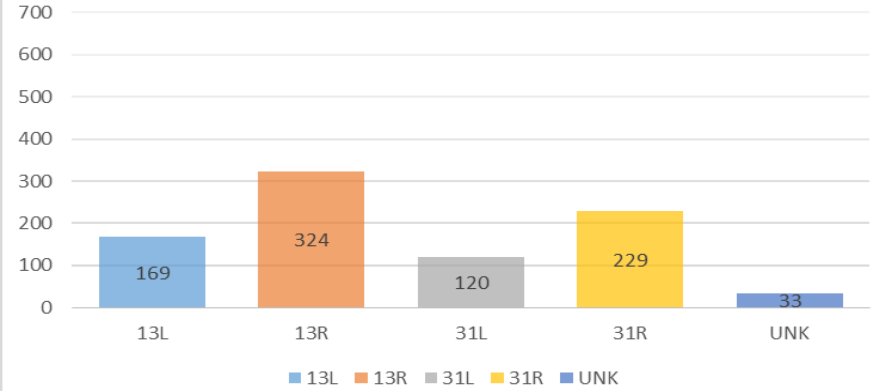


OCT 2018

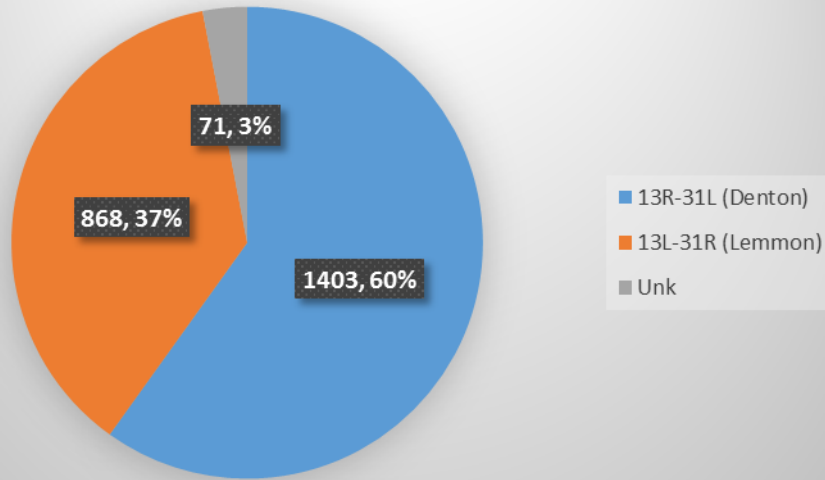
ARRIVALS PER RUNWAY



DEPARTURES PER RUNWAY

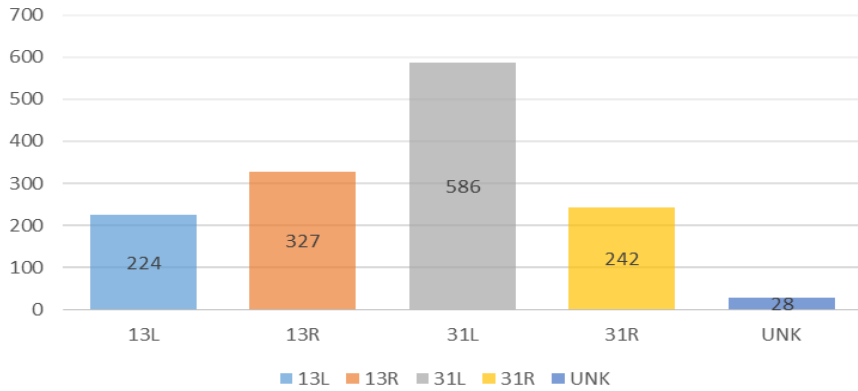


Total Operations November

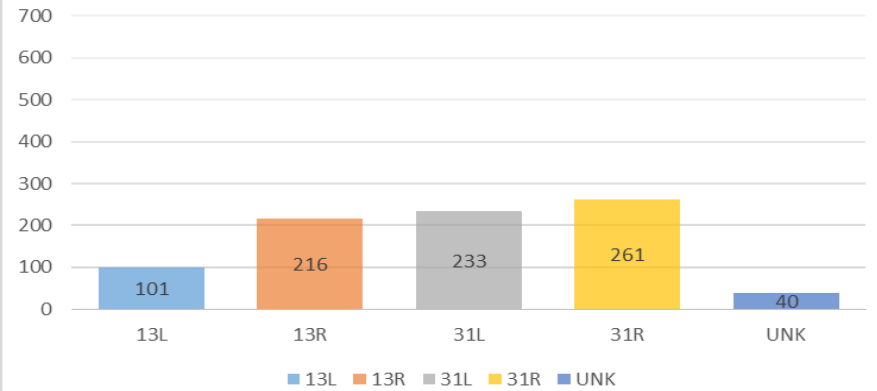


NOV 2018

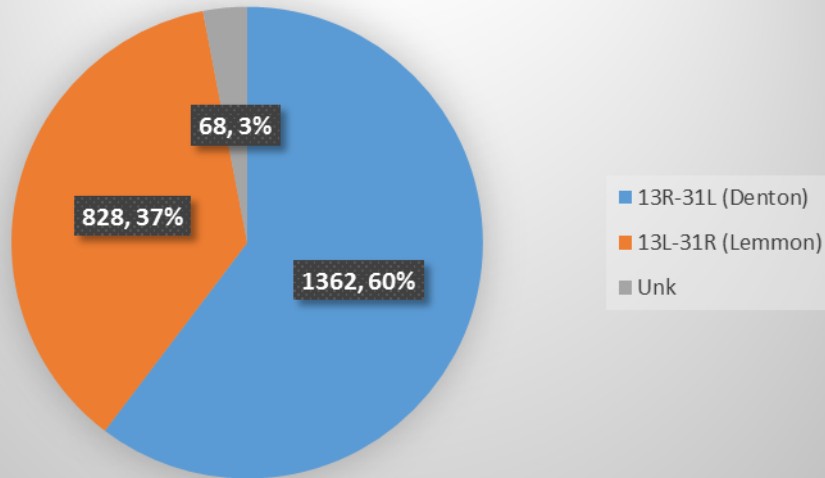
ARRIVALS PER RUNWAY



DEPARTURES PER RUNWAY

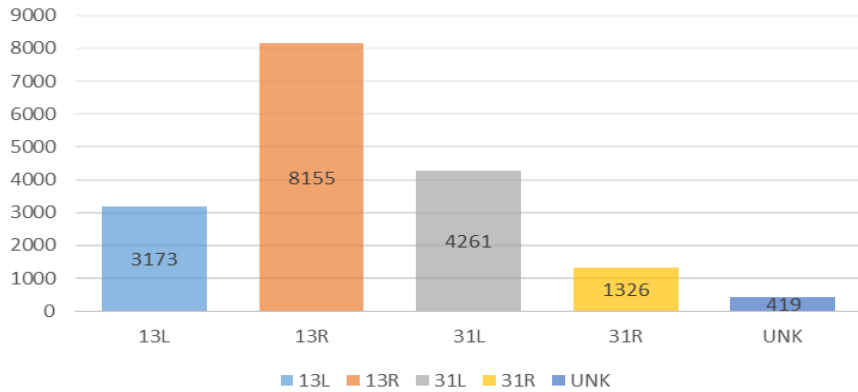


Total Operations December

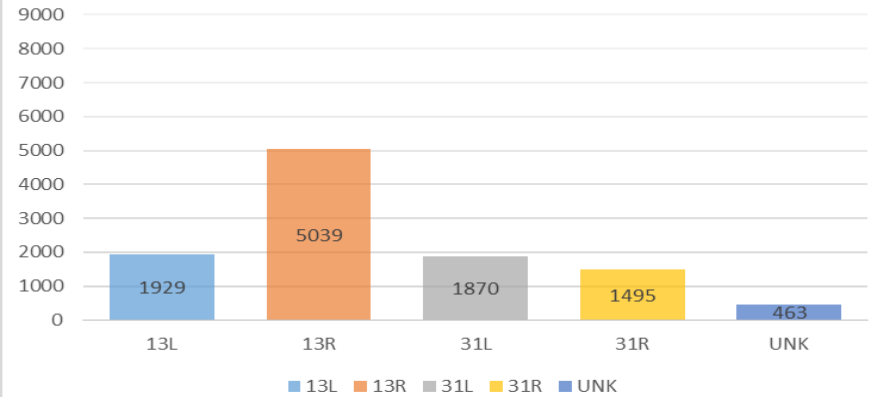


DEC 2018

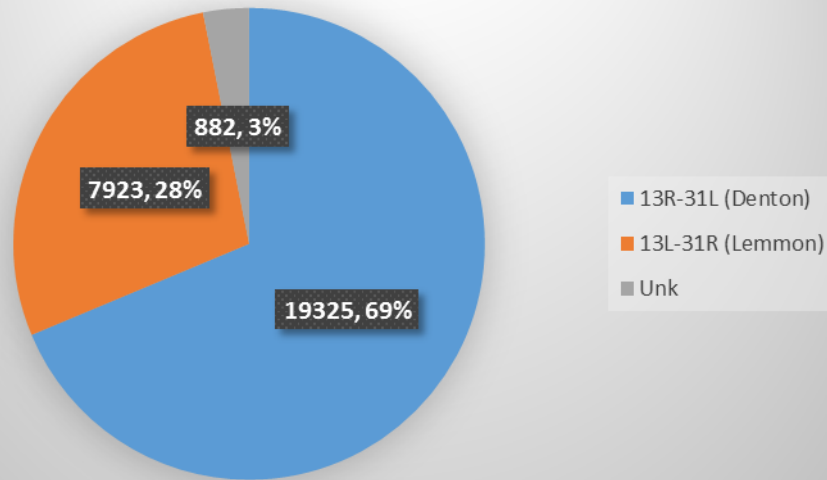
ARRIVALS PER RUNWAY



DEPARTURES PER RUNWAY



Total Operations 2018



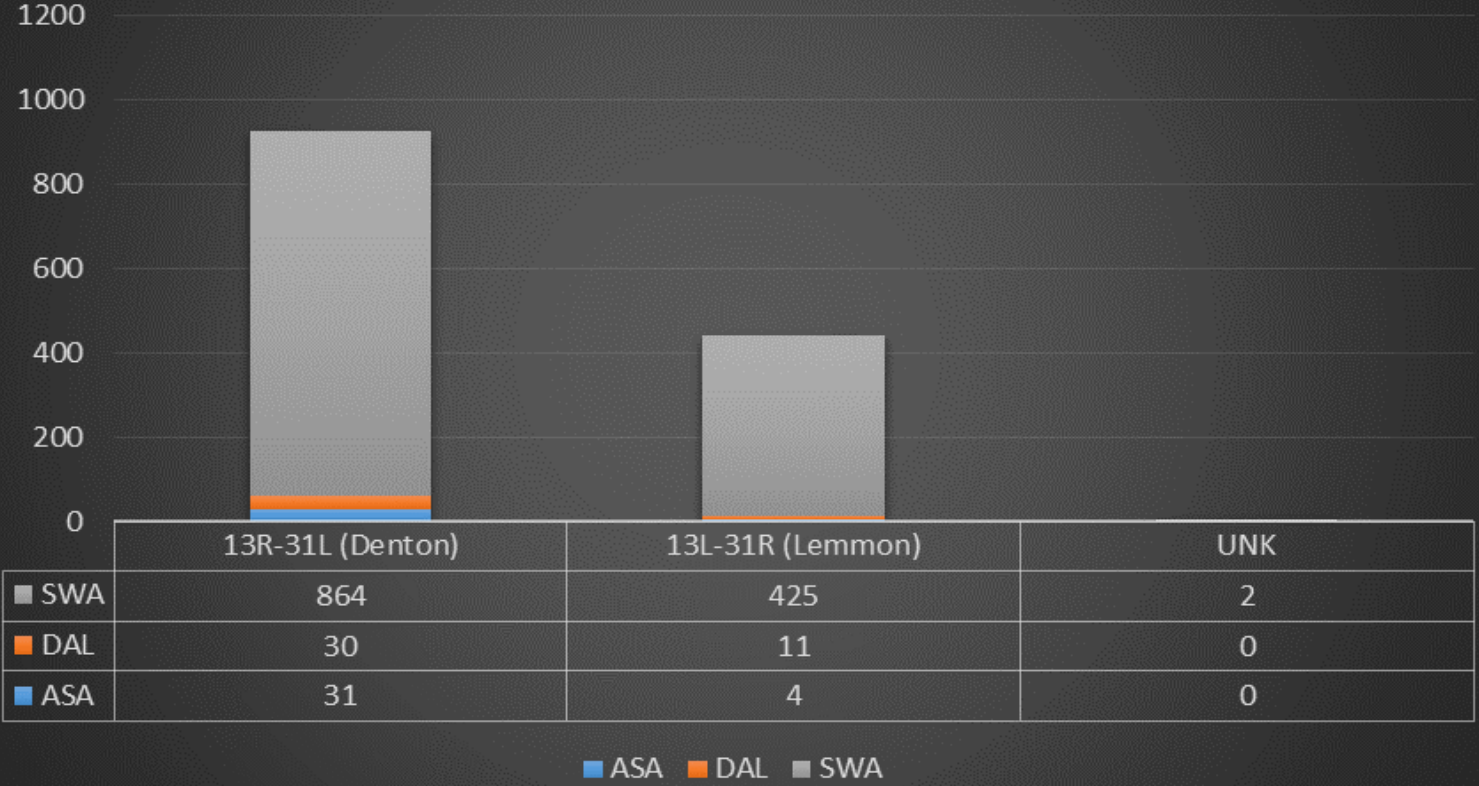
YEAR TOTAL 2018

RUNWAY UTILIZATION BY AIRLINE DURING PREFERENTIAL HOURS (RAW DATA)

2100 – 0600

(OCT–DEC 2018)

October

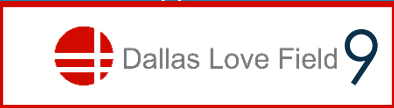


SWA – 67%

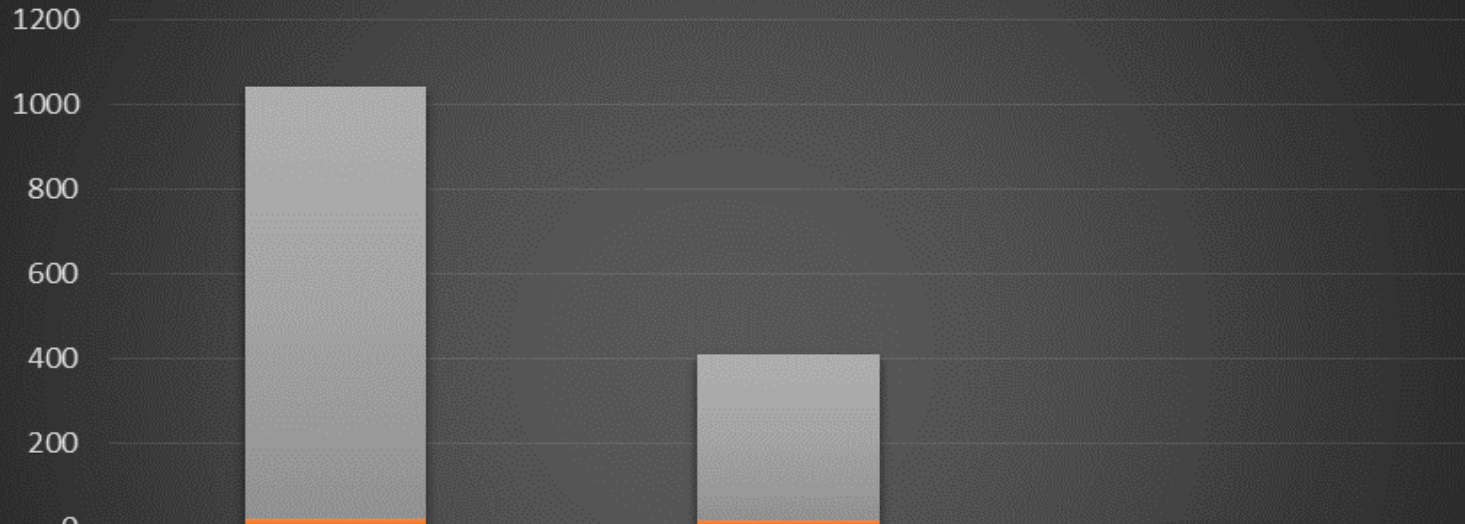
DAL – 73%

ASA – 89%

OCT 2018



November



	13R-31L (Denton)	13L-31R (Lemmon)	UNK
■ SWA	1021	394	0
■ DAL	21	17	0
■ ASA	2	0	0

■ ASA ■ DAL ■ SWA

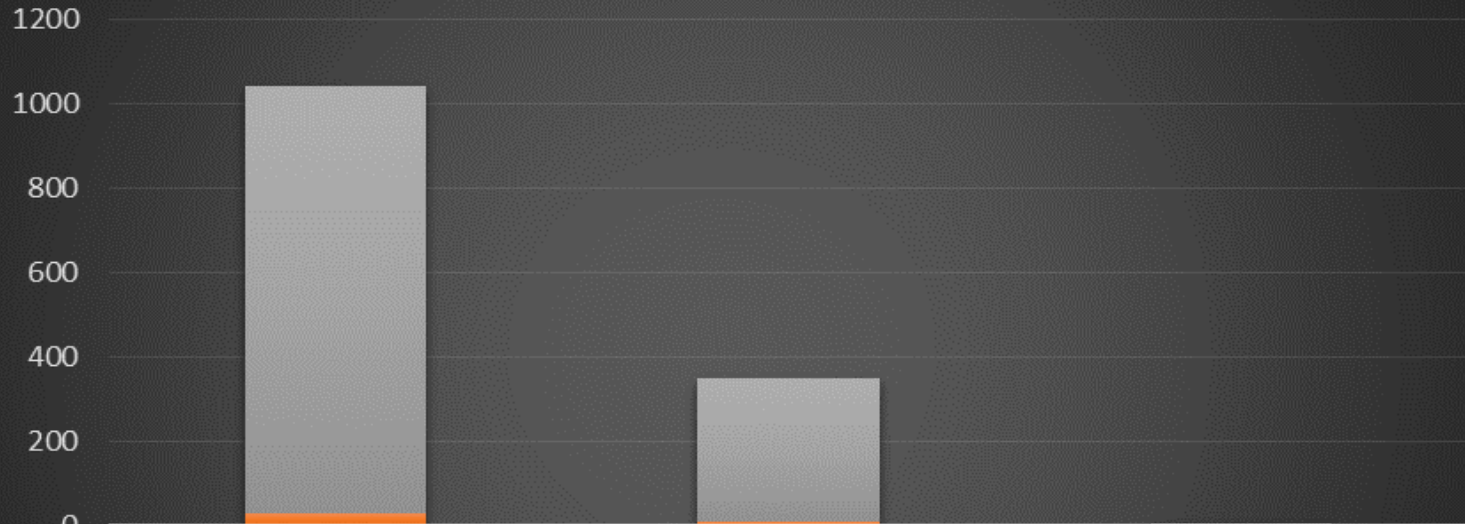
SWA – 72%

DAL – 55%

ASA – 100%

NOV 2018

December



	13R-31L (Denton)	13L-31R (Lemmon)	UNK
■ SWA	1013	342	3
■ DAL	28	8	0
■ ASA	0	0	0

■ ASA ■ DAL ■ SWA

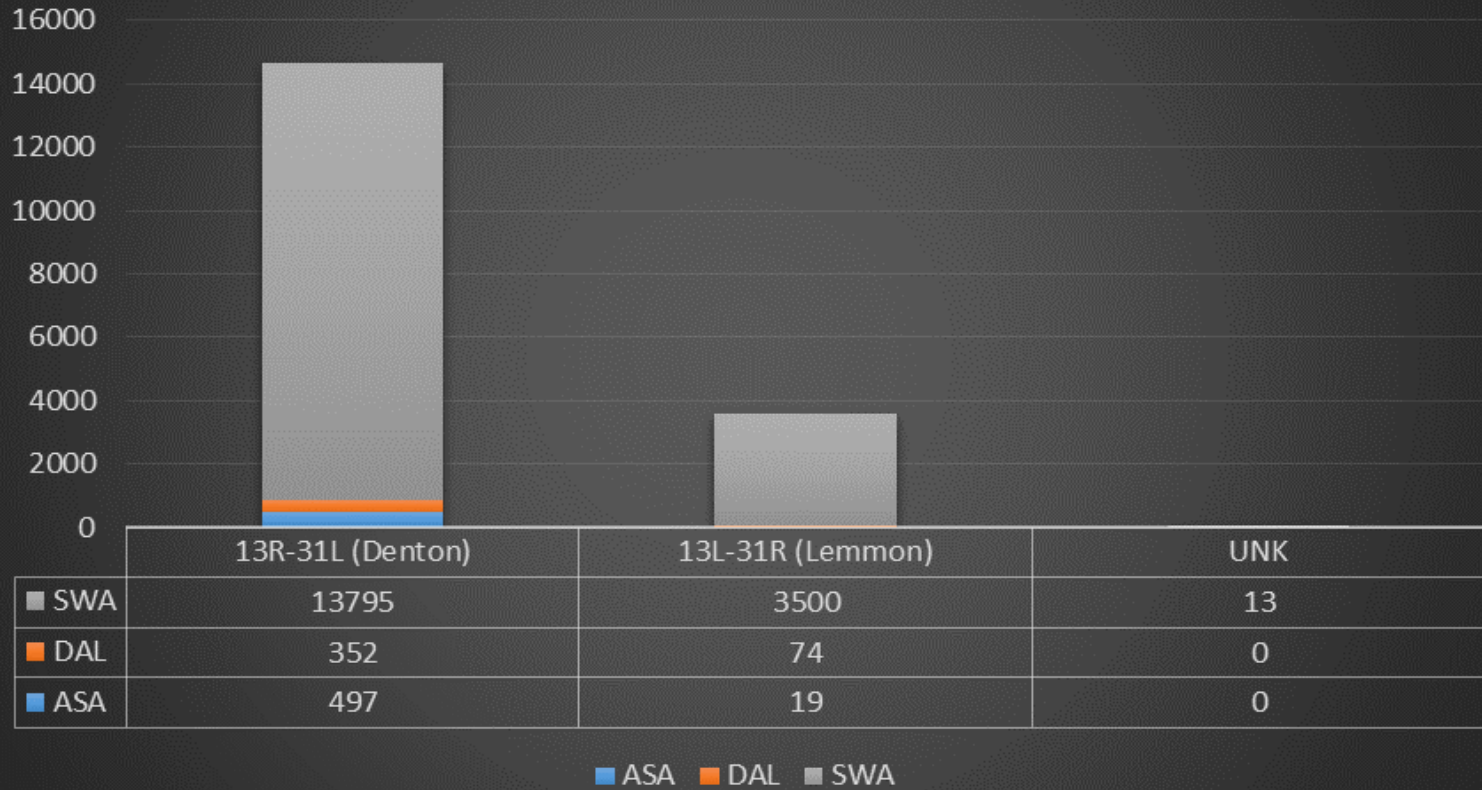
SWA – 75%

DAL – 78%

ASA –

DEC 2018

2018



SWA – 80%

DAL – 83%

ASA – 96%

YEAR TOTAL 2018

NOISE LAB

<https://dal.noiselab.casper.aero/>



HOME

FAQ

NEWS

NOISE EXPLAINED

LIVE FLIGHT TRACKER

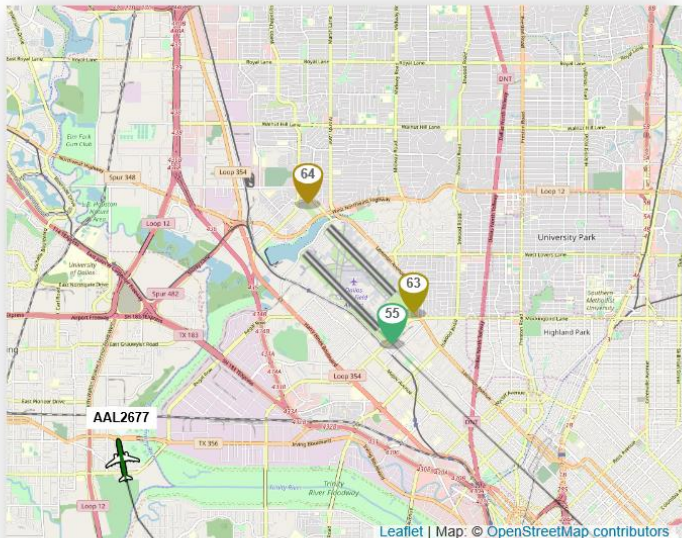
HISTORICAL NOISE AND FLIGHTS

NOISE MONITORS

TRAFFIC

COMPLAINTS

Tuesday January 15 2019 | Temperature: 39°F  |  3 bft  |  Outbound: |  Inbound:



Welcome to Noise Lab for Dallas Love Field.
With this website, the City of Dallas Department of Aviation provides data and information on the operations and the noise management at the airport.

Runway use



Weather conditions

39°F



7 kts

Today's airport notices

There are no airport notices for today.

January 2019						
SUN	MON	TUE	WED	THU	FRI	SAT
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

Activate Windows

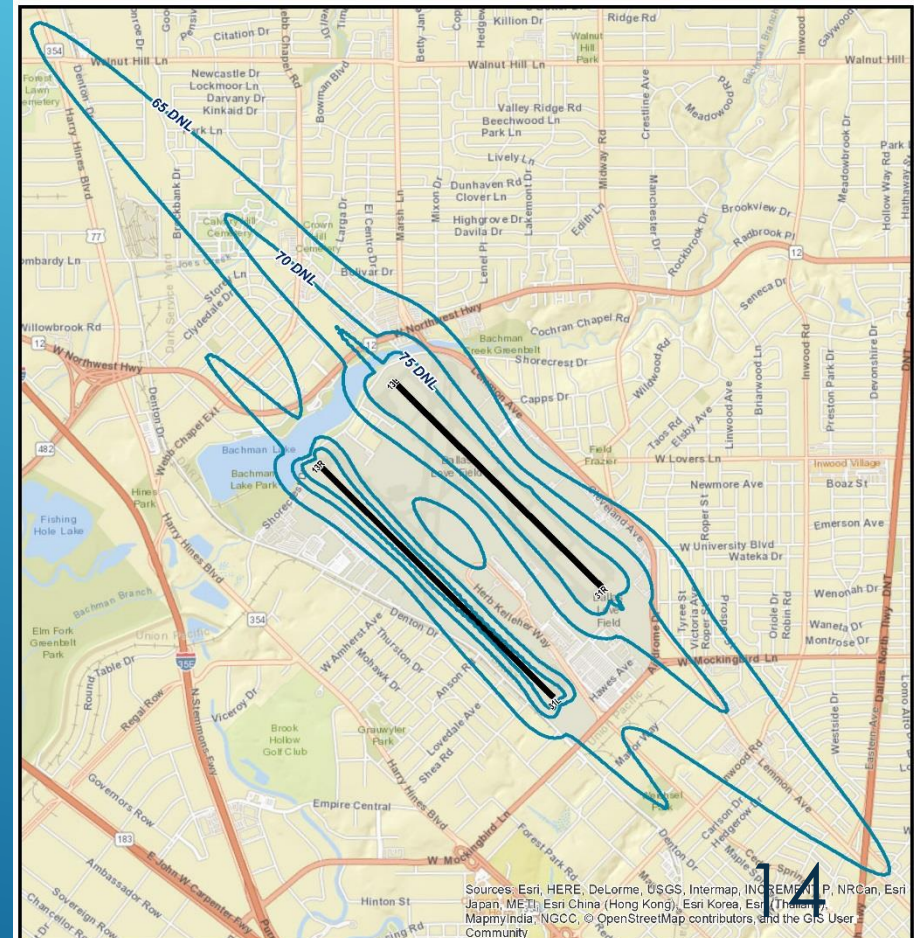
RUNWAY 13R-31L RECONSTRUCTION

2020 CATEX

*6 month temporary runway closure

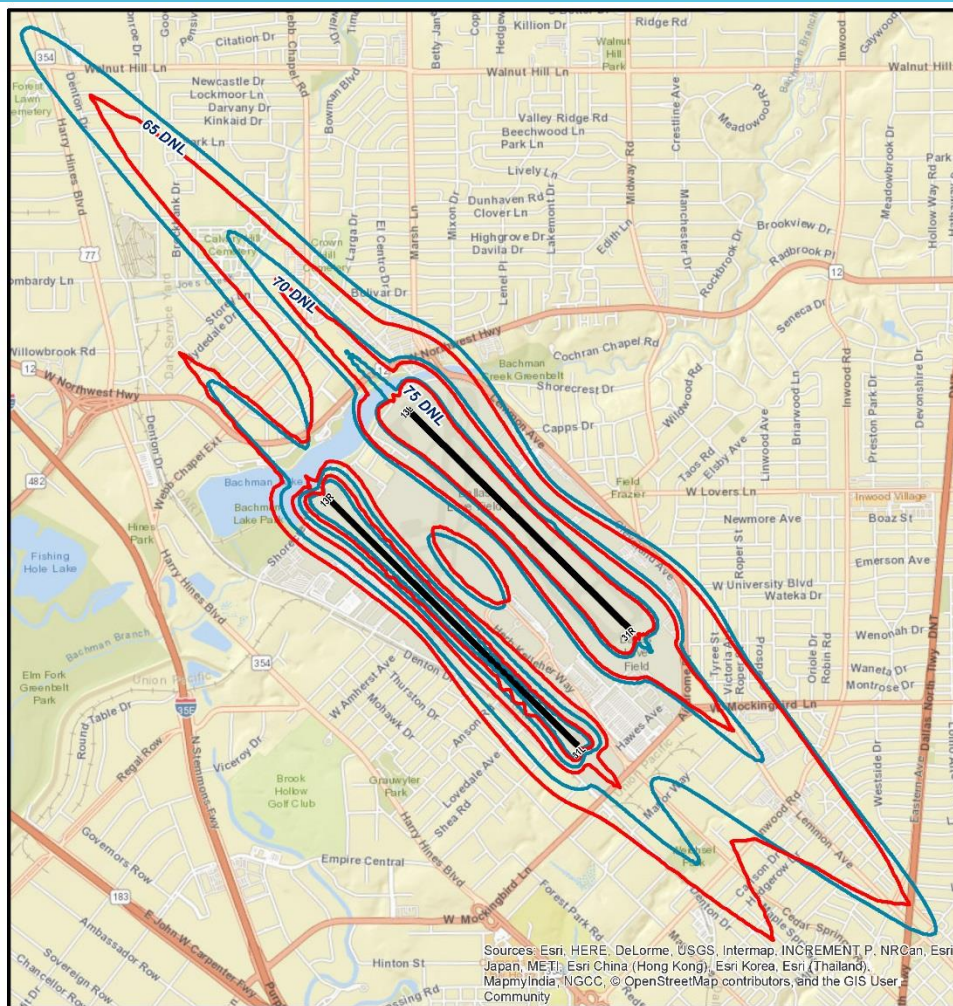
2021 EA

*9 month temporary runway closure



RUNWAY 13R-31L RECONSTRUCTION

- All aircraft will operate off the east Runway 13L-31R during runway reconstruction
 - 2020 CATEX assumed 6 months of runway closure (**red**)
 - 2021 EA assumes 7-9 months of runway closure (**blue**)
- Temporary noise increases off the Runway 13L and 31R ends



Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

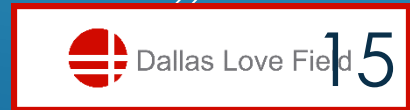
Legend

- ▭ 2020 CATEX Proposed Action Noise Contour
- ▭ 2021 EA Proposed Action Noise Contour

2020 CATEX vs. 2021 EA Proposed Action Noise Contour



Source: HMMH Analysis and HNTB Analysis



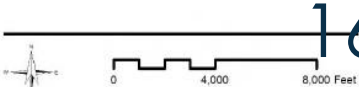
RUNWAY 13R-31L RECONSTRUCTION

2020 CATEX - Area of Temporary Noise Impact (shaded area)



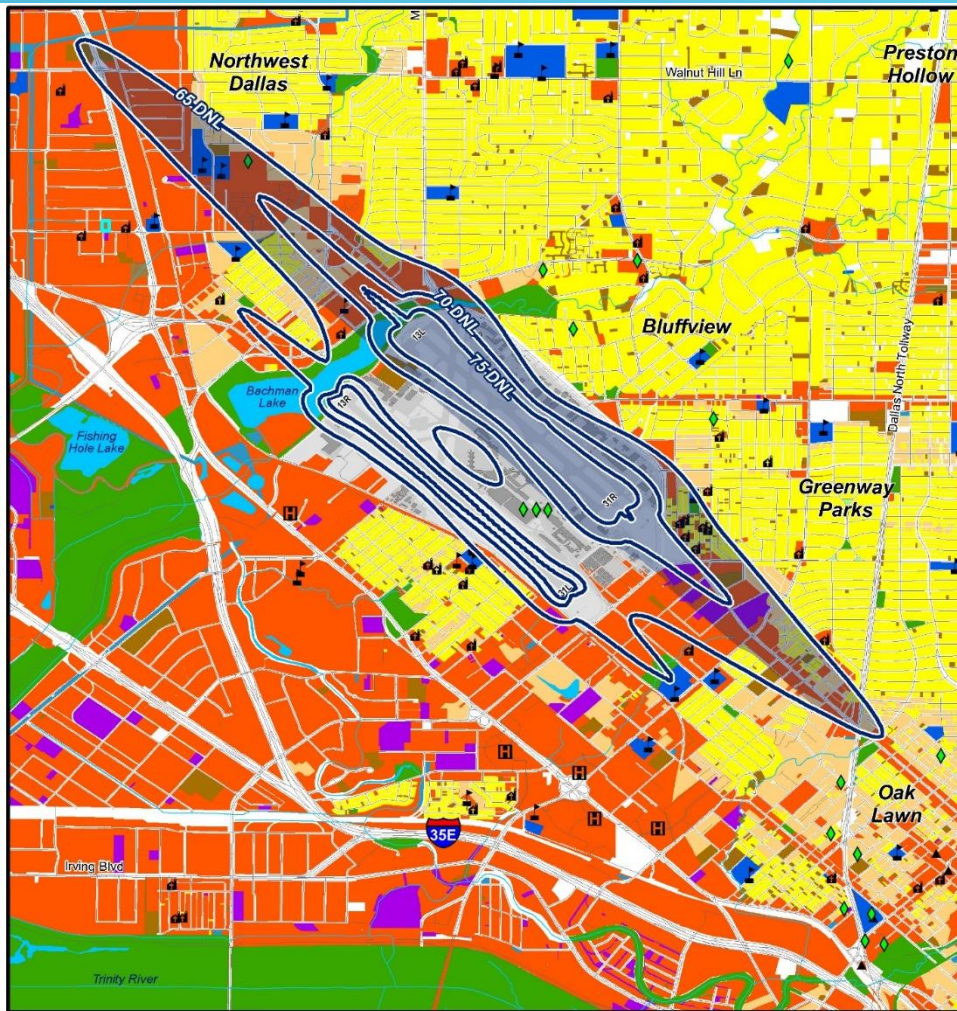
2020 Annual DNL Including the Closure of Runway 13R/31L

- 2020 Forecast DNL Contours
- Affected Area: 1.5 dB Increase within the 65 dB DNL
- Airport Boundary
- Airport Runway / Taxiway
- Airport Buildings
- Single Family Residential
- Multi-Family Residential
- Mobile Home
- Public Use
- Non-Residential
- Open Space / Recreation
- Agricultural
- Water
- Vacant / Undefined
- City Limit
- Interstate
- Highways
- Major Roads
- Schools
- Place of Worship
- Hospital
- Libraries
- National Register Historic Place



RUNWAY 13R-31L RECONSTRUCTION

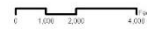
2021 EA
Area of Temporary Noise Impact
(shaded area)



Legend

- | | | | |
|--|--------------------------------|--|----------------------------------|
| | Proposed Action Noise Contour | | Public Use |
| | Affected Area (1.5dB Increase) | | Single Family Residential |
| | Agricultural | | Transportation |
| | Airport Property | | Utility |
| | Commercial | | Vacant / Undefined |
| | Industrial | | Park |
| | Mobile Home | | Vacant / Undefined |
| | Multi-Family Residential | | Water |
| | Open Space / Recreational | | School |
| | | | Place of Worship |
| | | | Hospital |
| | | | National Register Historic Place |
| | | | Texas Historical Marker |

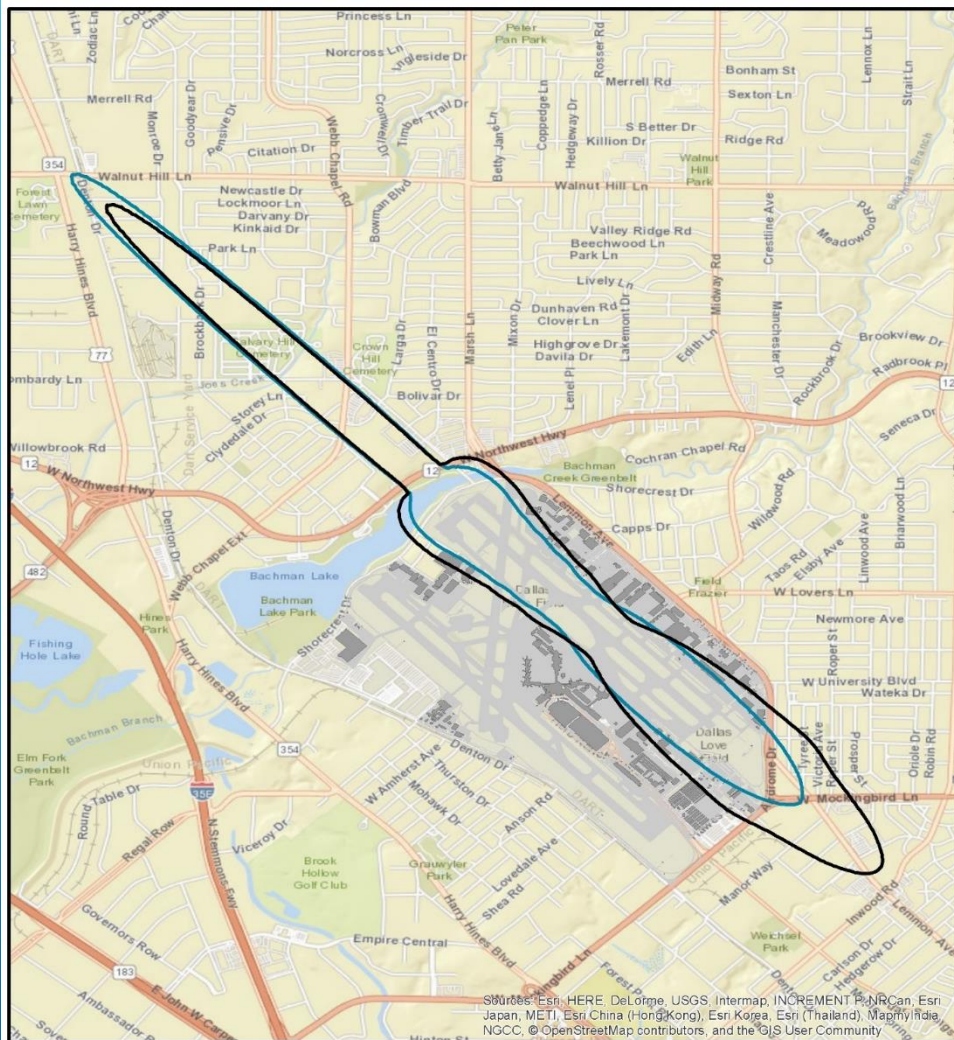
Figure 6
2021 EA Proposed Action
Area of Temporary Noise Impact



Sources: City of Dallas GIS, Google Earth, Texas Historical Commission, North Central Texas Council of Governments, Texas Historical Commission

TRANSITION TO QUIETER AIRCRAFT

- On-going transition to aircraft with lesser noise impact (not related to runway reconstruction project)
- EA considers the transition from B737-700s to B737-800MAX which is a quieter aircraft.



Source: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (HongKong), Esri Korea, Esri (Thailand), Swire, Hong Kong, NGCC, © OpenStreetMap contributors, and the GIS User Community

Legend
■ Boeing 737-300 SEL Contour
■ Boeing 737 MAX 8 SEL Contour

Figure 1
Boeing 737-300 vs. Boeing 737 MAX 8



Sources: HNTB Analysis, 2018.

GOOD NEIGHBOR PROGRAM

SAVE THE DATE

Join Dallas Love Field Airport
for a Community Meeting

TUESDAY, JAN. 22, 2019
6 TO 8 P.M.

BACHMAN RECREATION CENTER

2750 Bachman Dr., Dallas, TX 75220

City of Dallas Department of Aviation staff will update stakeholders on the Good Neighbor Program and upcoming projects. Visit www.goodneighborplan.com for more information.



DALLAS AIRPORT SYSTEM



Dallas Love Field

19

OPEN DISCUSSION AND QUESTIONS

Next Meeting
April 18, 2019 at 6PM