



SANTA BARBARA AIRPORT

Monthly Noise Impact Report May 2022



May 2022 - Noise Impact Report

- Monthly Arrival and Departure Flight Operations logged by SBA Noise Monitoring System
- 2019 to 2022 Monthly Airport Operations reported by the FAA
- Runway Utilization by Flight Types
- Noise Complaints by Neighborhoods
- 2019 to 2022 Monthly Noise Complaints
- 2019 to 2022 Monthly Distinct Households
- Complaint Breakdown
- Noise Complaint Process



May 2022 – Arrivals and Departure Operations

Total Operations For May 2022: 5464 (▲6)						
Total Arrivals: 2458						
Runway:	7	25	15L	15R	33L	33R
Last Month:	630	1412	370	13	1	26
Total:	928	1160	341	12	0	17
Change:	▲ 298	▼ 252	▼ 29	▼ 1	▼ 1	▼ 9
Total Departures: 3006						
Runway:	7	25	15L	15R	33L	33R
Last Month:	480	1535	884	80	3	20
Total:	779	1242	883	73	6	23
Change:	▲ 299	▼ 293	▼ 1	▼ 7	▲ 3	▲ 3

Commercial Operations For May 2022: 1312 (▲3)						
Commercial Arrivals: 655						
Runway:	7	25	15L	15R	33L	33R
Last Month:	256	396	0	0	0	0
Total:	322	333	0	0	0	0
Change:	▲ 66	▼ 63	0	0	0	0
Commercial Departures: 657						
Runway:	7	25	15L	15R	33L	33R
Last Month:	211	434	0	0	0	0
Total:	298	359	0	0	0	0
Change:	▲ 87	▼ 75	0	0	0	0

Private Jet Operations For May 2022: 1035 (▼100)						
Private Jet Charter Arrivals: 523						
Runway:	7	25	15L	15R	33L	33R
Last Month:	141	318	5	0	0	3
Total:	236	276	11	0	0	0
Change:	▲ 95	▼ 42	▲ 6	0	0	▼ 3
Private Jet Charter Departures: 512						
Runway:	7	25	15L	15R	33L	33R
Last Month:	119	316	30	2	0	1
Total:	207	276	28	1	0	0
Change:	▲ 88	▼ 40	▼ 2	▼ 1	0	▼ 1

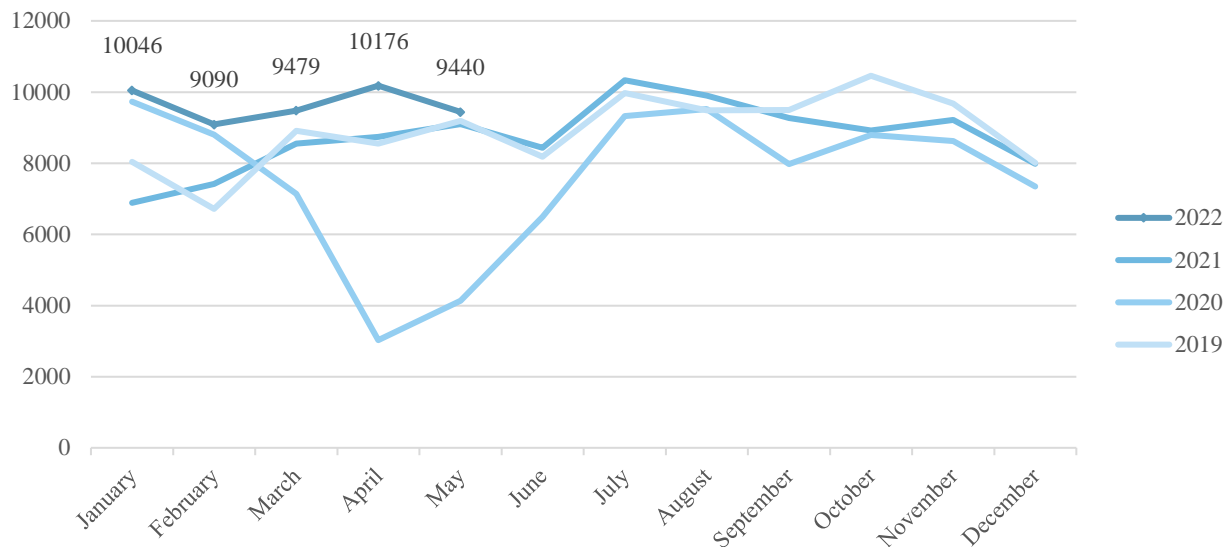
General Aviation Operations For May 2022: 3117 (▼103)						
General Aviation Arrivals: 1280						
Runway:	7	25	15L	15R	33L	33R
Last Month:	233	697	365	13	1	23
Total:	370	551	330	12	0	17
Change:	▲ 137	▼ 146	▼ 35	▼ 1	▼ 1	▼ 6
General Aviation Departures: 1837						
Runway:	7	25	15L	15R	33L	33R
Last Month:	150	784	854	78	3	19
Total:	274	607	855	72	6	23
Change:	▲ 124	▼ 177	▲ 1	▼ 6	▲ 3	▲ 4



2019 to 2022 - Monthly Operations

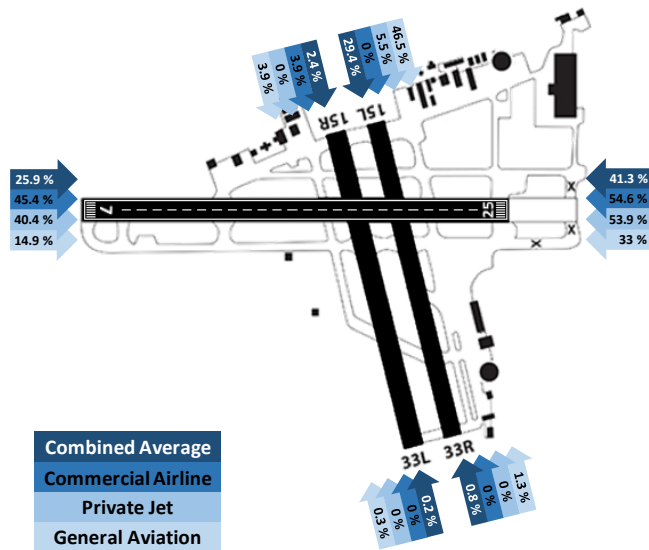
FAA Reported Monthly Airport Operations

	2019	2020	2021	2022
January	8043	9734	6887	10046
February	6718	8803	7416	9090
March	8911	7136	8557	9479
April	8555	3028	8741	10176
May	9190	4135	9099	9440
June	8181	6495	8440	
July	9970	9329	10332	
August	9489	9527	9904	
September	9495	7977	9268	
October	10456	8799	8923	
November	9678	8625	9214	
December	8016	7351	7982	

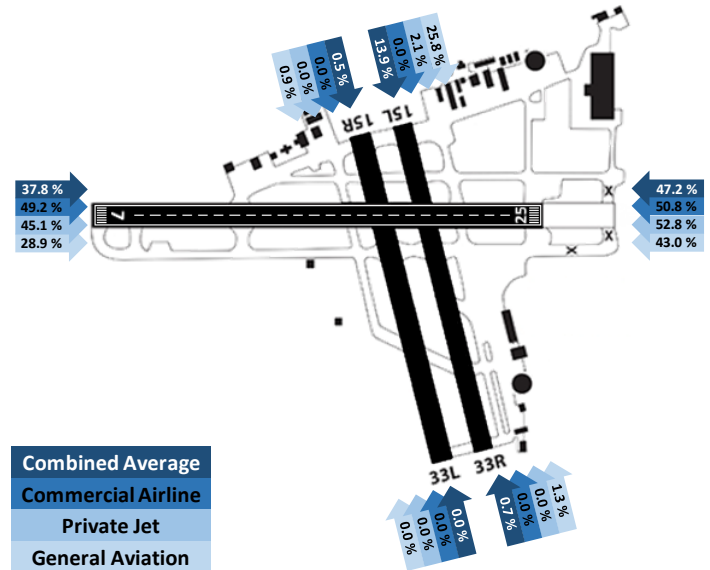


Reference FAA Order JO 7210.3 to understand how facility statistical data is counted and reported.

Runway Utilization



Departure Runway Utilization



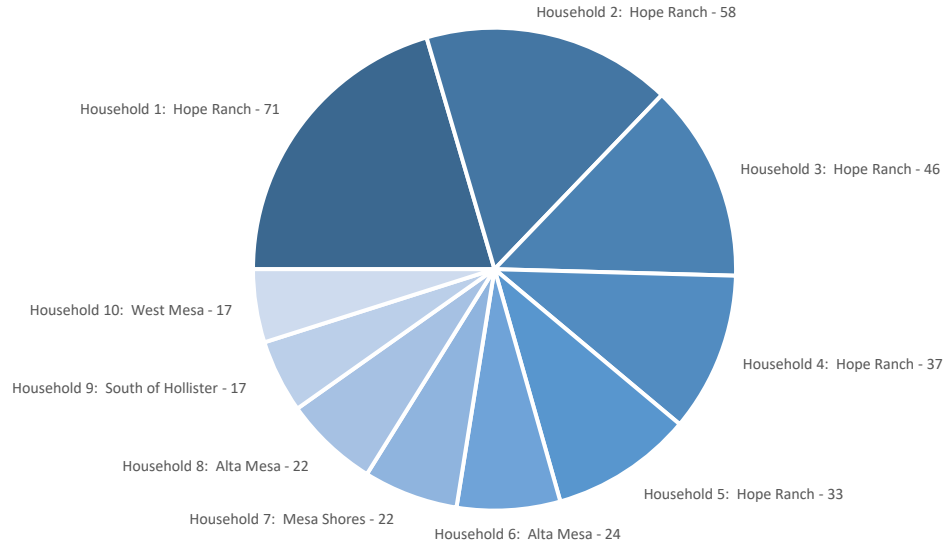
Arrival Runway Utilization



May 2022 - Noise Complaints by Neighborhood

Neighborhood	Complaints Received	Distinct Households
Hope Ranch	304	21
Alta Mesa	61	6
West Mesa	37	4
South of Hollister	35	3
Mesa Shores	22	6
Campanil	12	3
Mesa Shores	12	1
Bel Air	10	4
Upper East	7	1
Hitchcock	6	1
Ellwood	5	2
Ellwood Bluffs	5	2
Lake Los Carneros	3	1
Lake Los Carneros East	3	2
Marketplace	3	1
Montecito	3	1
Mountain View School	3	2
Ellwood Acres	2	1
Rancho Goleta Lakeside	2	1
Storke Ranch	2	1
Downtown	1	1
East Mesa	1	1
Goleta Valley	1	1
Hidden Valley	1	1
Hope Ranch Annex	1	1
Isla Vista	1	1
More Mesa	1	1
Oak Park	1	1
Rancho Embarcadero	1	1

Top 10 Households – Complaints Submitted
347 of 546 Total Complaints (63.6%)

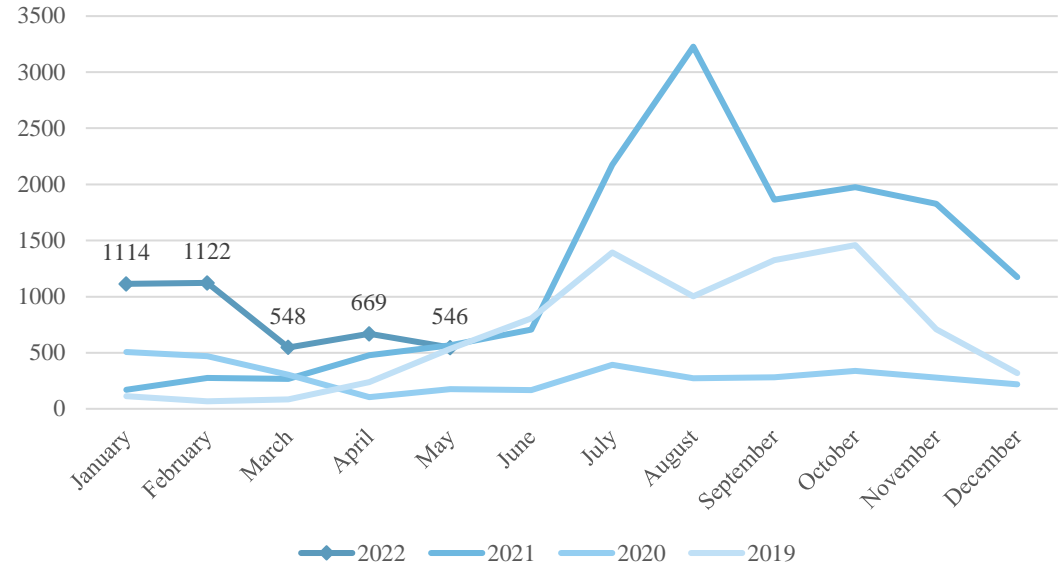




2019 to 2022 – Noise Complaints

Noise Complaints Received

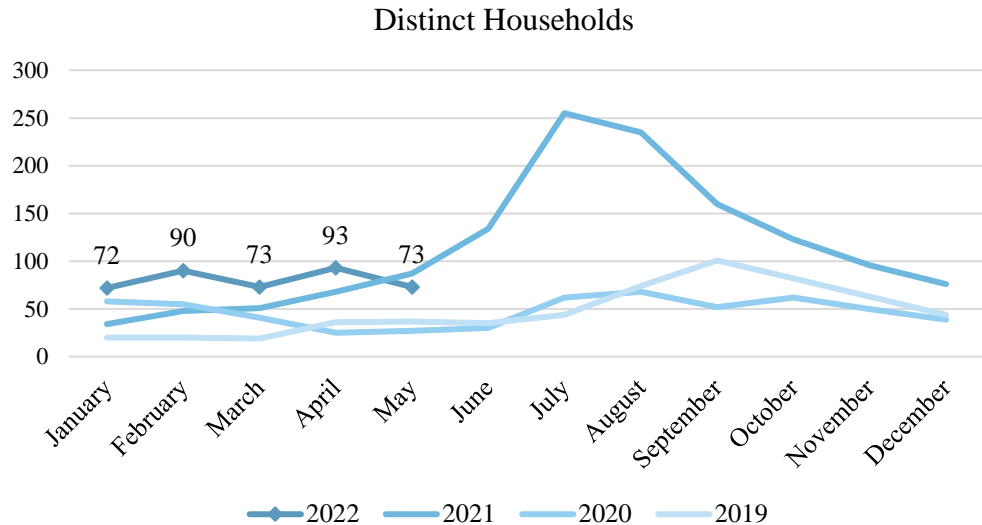
	2019	2020	2021	2022
January	113	507	172	1114
February	68	470	277	1122
March	86	304	269	548
April	239	106	479	669
May	536	176	567	546
June	806	168	706	
July	1395	393	2174	
August	1003	272	3227	
September	1324	281	1864	
October	1458	340	1975	
November	709	279	1827	
December	319	219	1174	





2019 to 2022 – Monthly Distinct Households

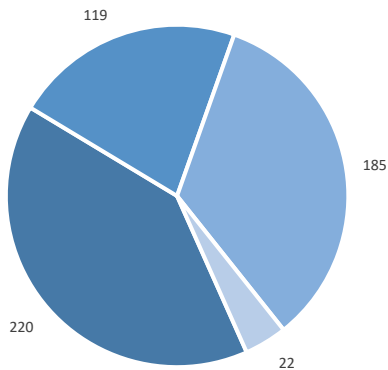
	2019	2020	2021	2022
January	20	58	34	72
February	20	55	48	90
March	19	41	51	73
April	36	25	68	93
May	37	27	87	73
June	35	30	134	
July	44	62	255	
August	74	68	235	
September	101	52	160	
October	82	62	123	
November	63	50	96	
December	44	39	76	





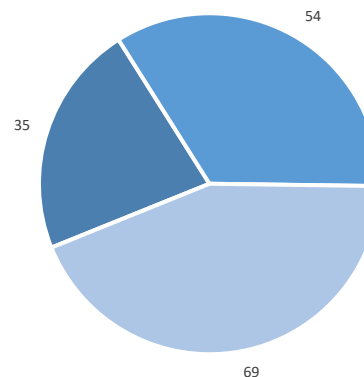
Complaint Breakdown

Complaints by Flight Type



- Commercial Airline
- Private Jet
- General Aviation
- Non-Specific

Flights Requiring Follow-up



- Commercial Airline
- Private Jet
- General Aviation

Note: Some flights following Air Traffic Control Instructions or flying the Voluntary Noise Abatement Approach, generated complaints with no follow-up.



SBA Noise Complaint Process

- Complaints are received by various methods: Voicemail Noise Hotline, Online Submission Form, Direct Contact
- Complaints are correlated to corresponding flights by actual location from submitter and by time of submission.
- The flight tracks to these correlated flights are analyzed to see whether they flew the Voluntary Noise Abatement Approach (VNAA), or if other external factors existed that prevented the VNAA from being flown
- Common External Safety Facts and Factors:
 - According to the FAA: Descent and Landing phase of flights account for 47% of total accidents, and 22.7% fatal accidents.¹

Air Traffic Control	Inclement Weather Effects	Pilot Factors
Instrument Departure Procedures	Cloud Coverage (Overcast, Fog, Low Level Ceiling)	Pilot in Command: Final authority for safety of flight
Instrument Arrival Procedures	Wind Direction (Takeoffs and Landings into the wind)	Ability to make stabilized approach
Traffic Sequencing and Spacing	Airspeed (Cross wind stability / Stall speeds)	Training flight requirements
Traffic Pattern Operations	Altitude (Low level Wind shear, Stabilized Approach)	Familiarity with local procedures

1. United States. Federal Aviation Administration. (2009). *Risk Management Handbook*. U.S. Dept. of Transportation, Federal Aviation Administration.



SBA Noise Complaint Process – Cont'd

- After analyzing the flight track with the location, date and time, a response is entered into the complaint with the result.
- If a complaint that is correlated to a flight track that did not fly the Voluntary Noise Abatement Approach and could have with respect to external factors, a response is entered into the complaint “Aircraft operator to receive letter of advisement.”
- Each aircraft operator is provided educational information from the Santa Barbara Airport about the Voluntary Noise Abatement Approach for Runway 25, and other general information related to operations at Santa Barbara Airport.
 - Airlines Operators
 - Private/Corporate/Charter Jet Operators
 - Private Aircraft Propeller Operators