

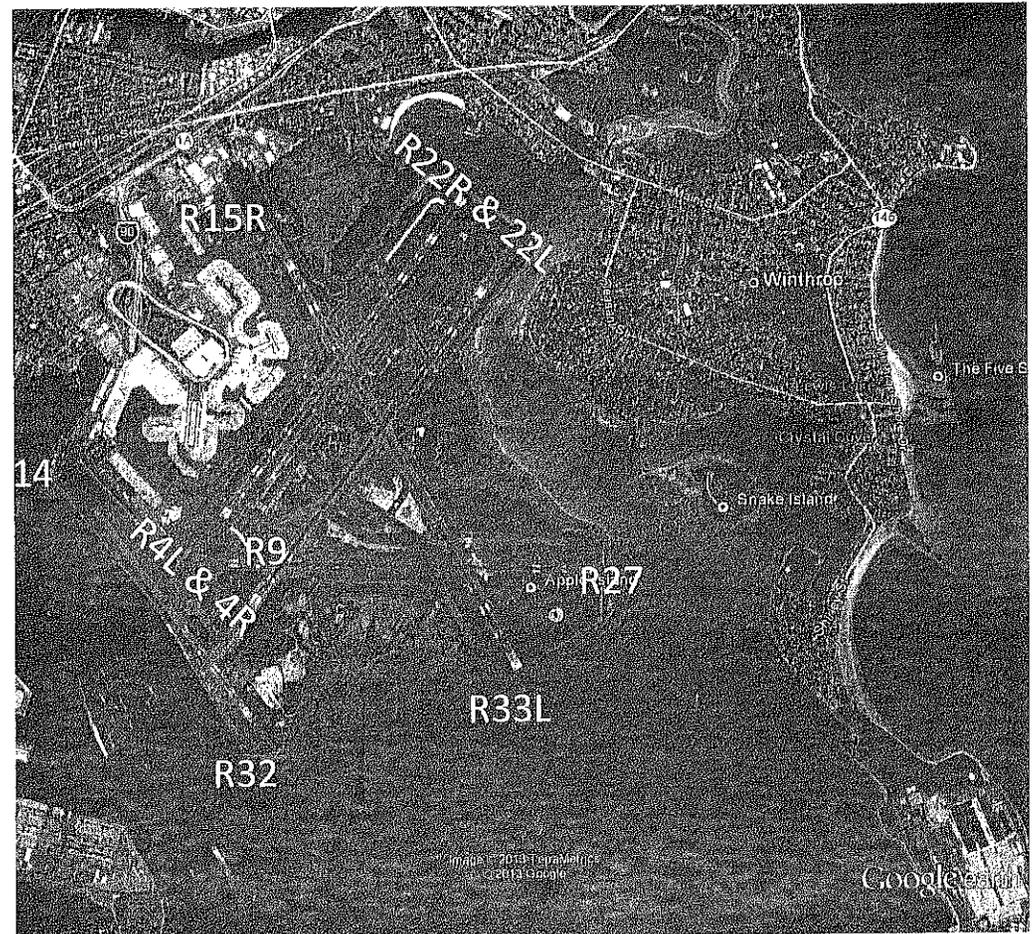
# Overview of Boston Logan Operations Wenham Briefing

May 29, 2015

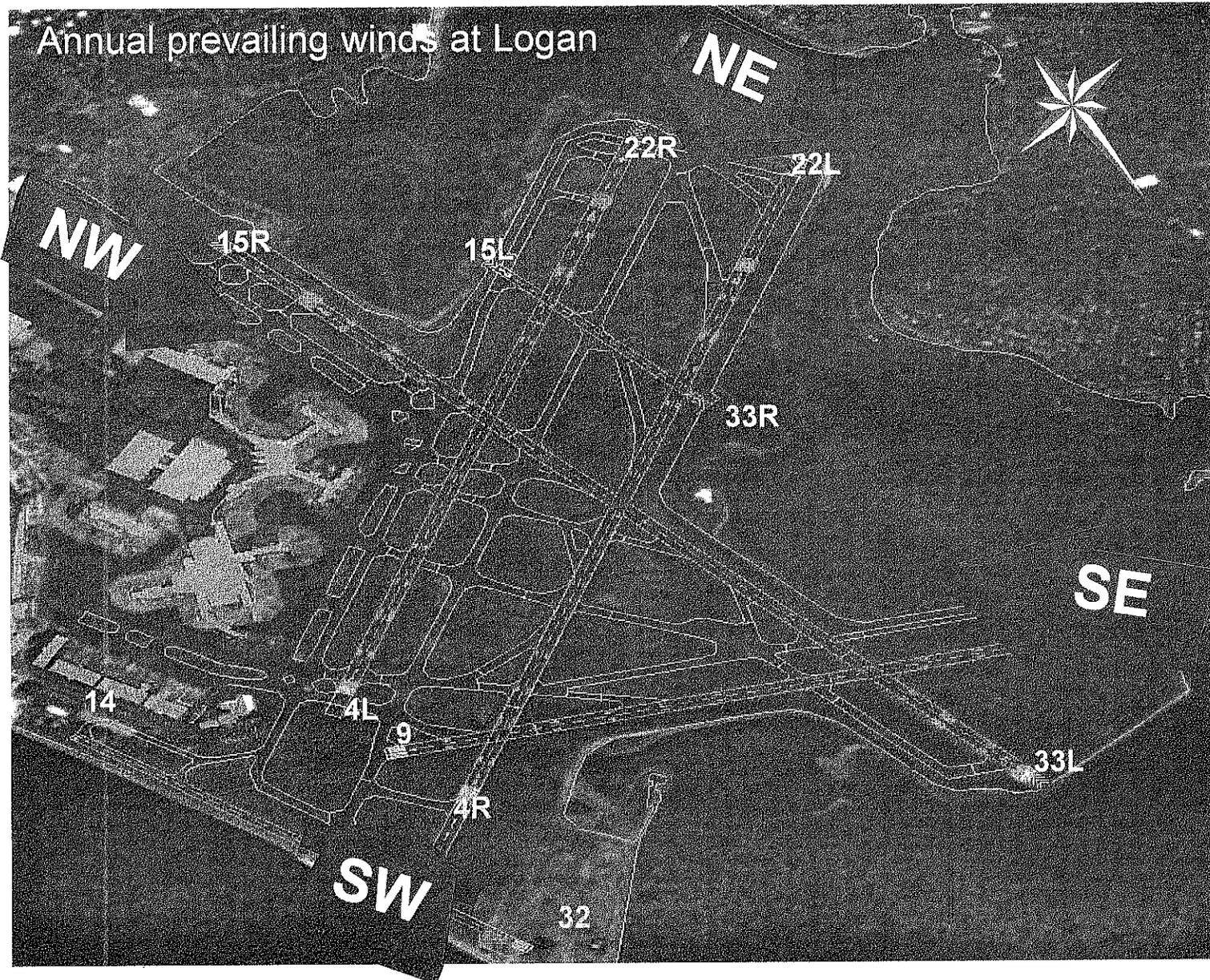


# Overview of Boston Logan Operations

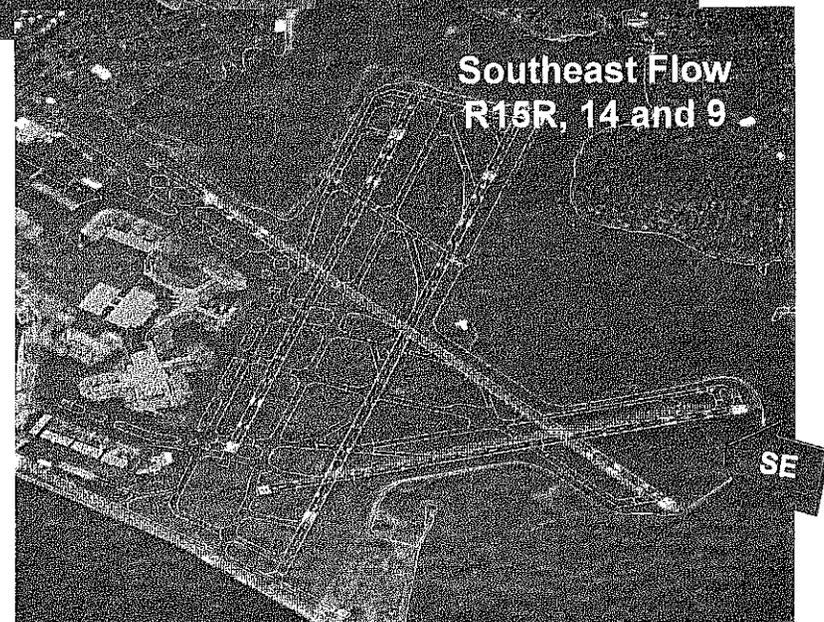
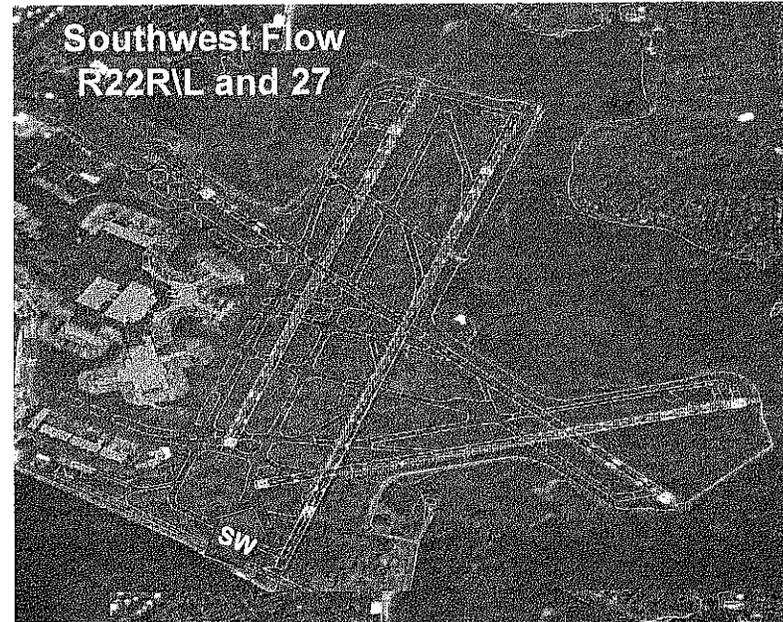
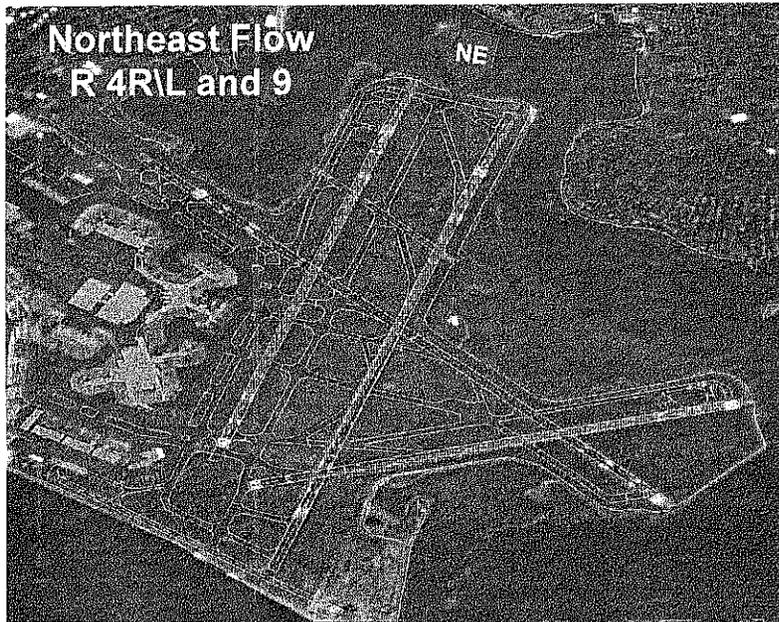
- Boston Logan has six (6) runways pointing toward all primary compass headings
- Massport owns, operates and maintains Boston Logan facilities
- The FAA is responsible for air space management and for directing aircraft on the ground and in the air
- The FAA chooses the runways and taxiways to utilize at any given time
- FAA runway configuration selection (a subset of runways) is primarily based on wind/weather pattern and other operational factors (e.g. runway construction, demand)



Aircraft land and takeoff into the wind. For safety the FAA seeks to utilize runways that are aligned with the wind direction.



The FAA uses Logan runways in combinations most closely aligned with wind/weather to safely and efficiently meet demand

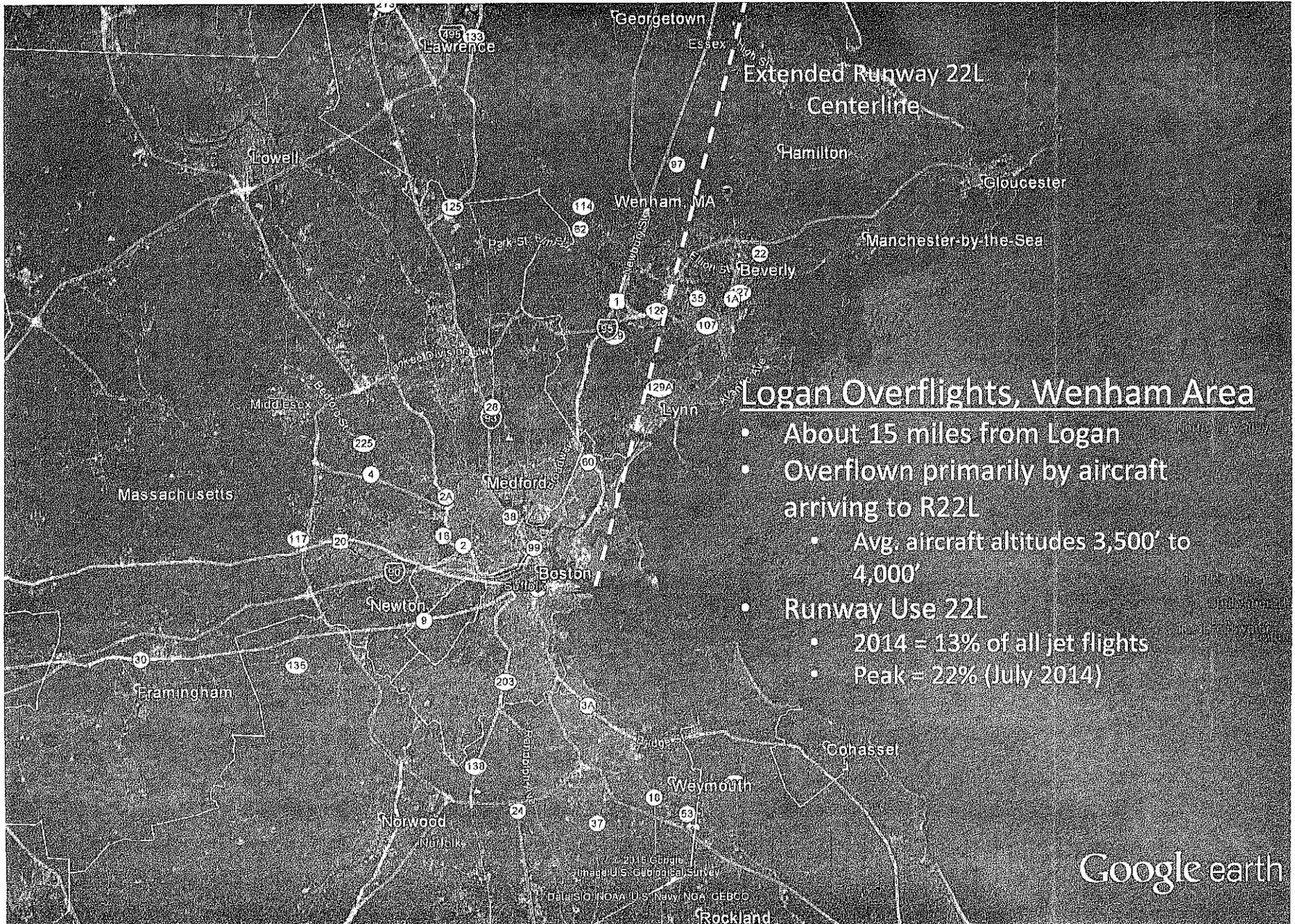


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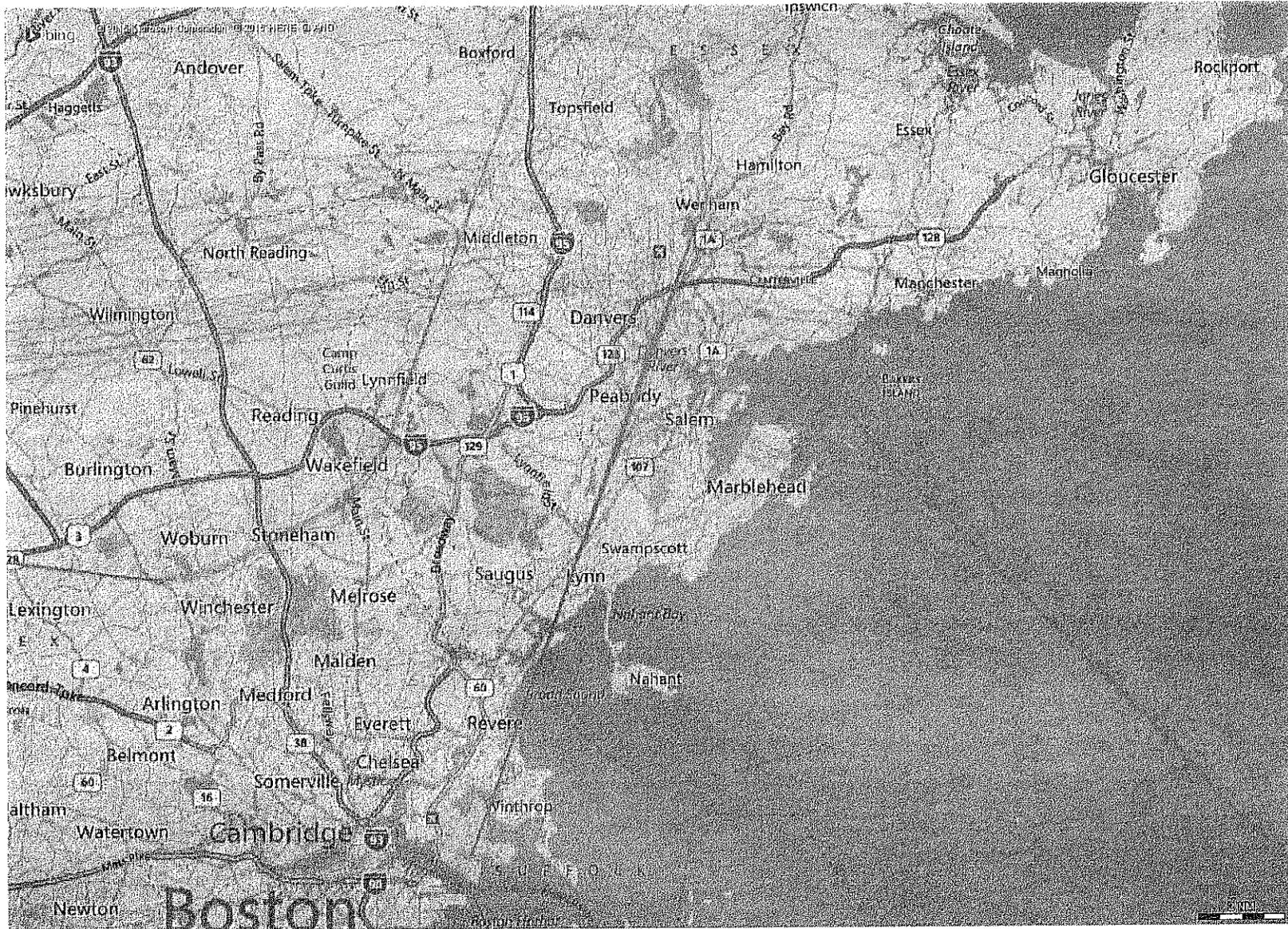
# The Wenham area is overflowed by aircraft landing to Logan's Runway 22L



## Logan Overflights, Wenham Area

- About 15 miles from Logan
- Overflowed primarily by aircraft arriving to R22L
  - Avg. aircraft altitudes 3,500' to 4,000'
- Runway Use 22L
  - 2014 = 13% of all jet flights
  - Peak = 22% (July 2014)

# Sample flight tracks of R22L arrivals, April 10, 2015

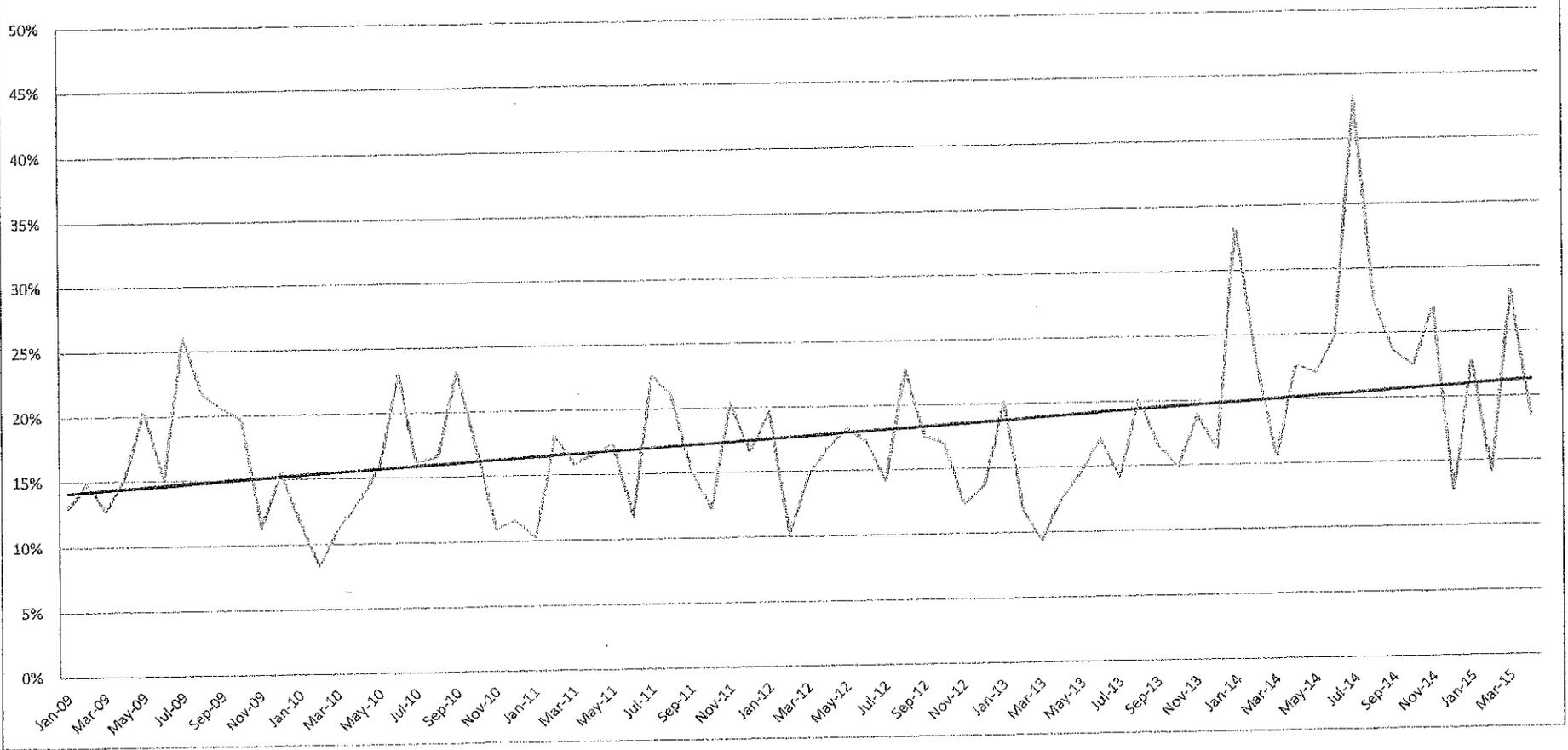


Summary of Annual Jet Aircraft Runway Use  
Runway 22L Arrivals

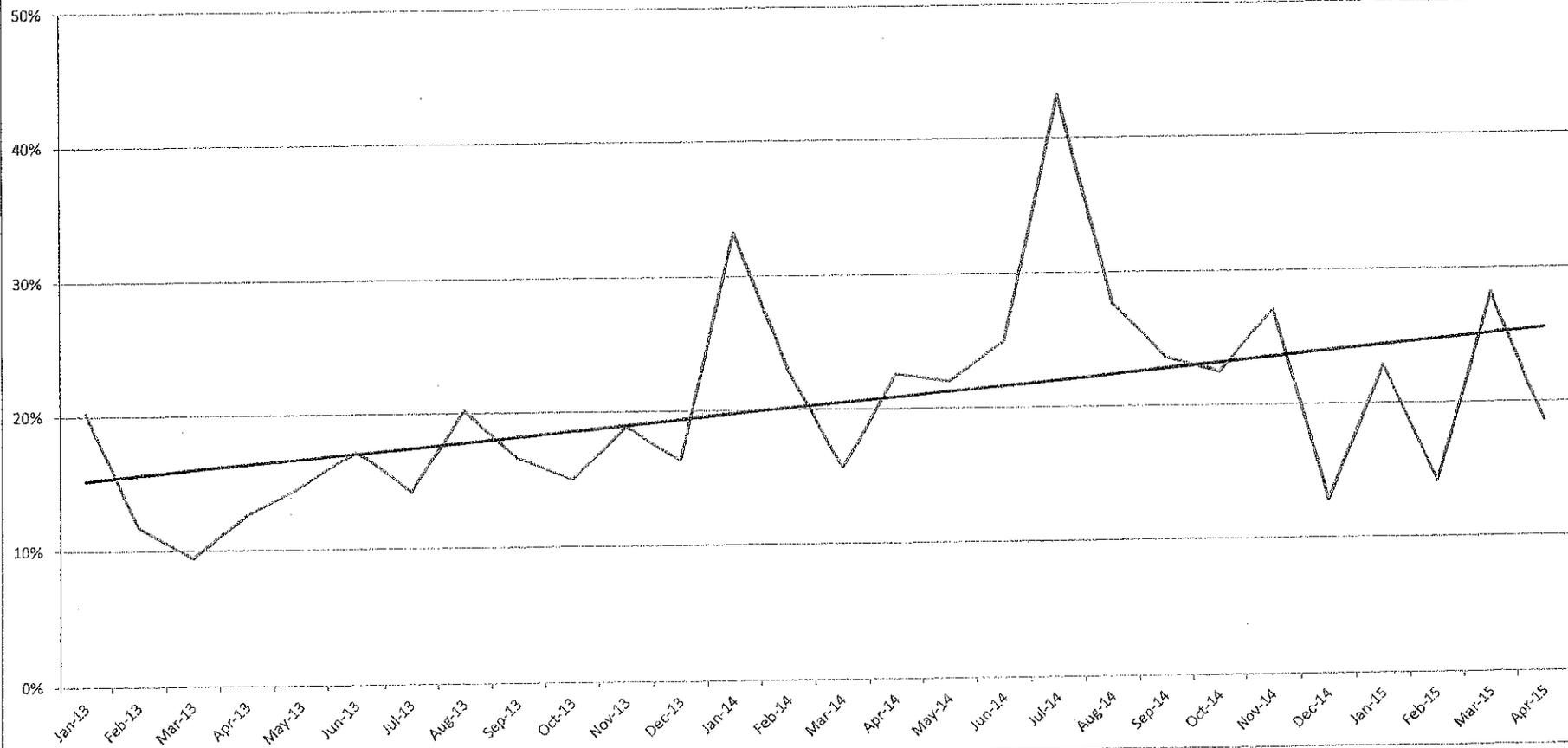
2004	12%
2005	11%
2006	14%
2007	15%
2008	17%
2009	17%
2010	15%
2011	17%
2012	16%
2013	16%
2014	25%
2015	21%

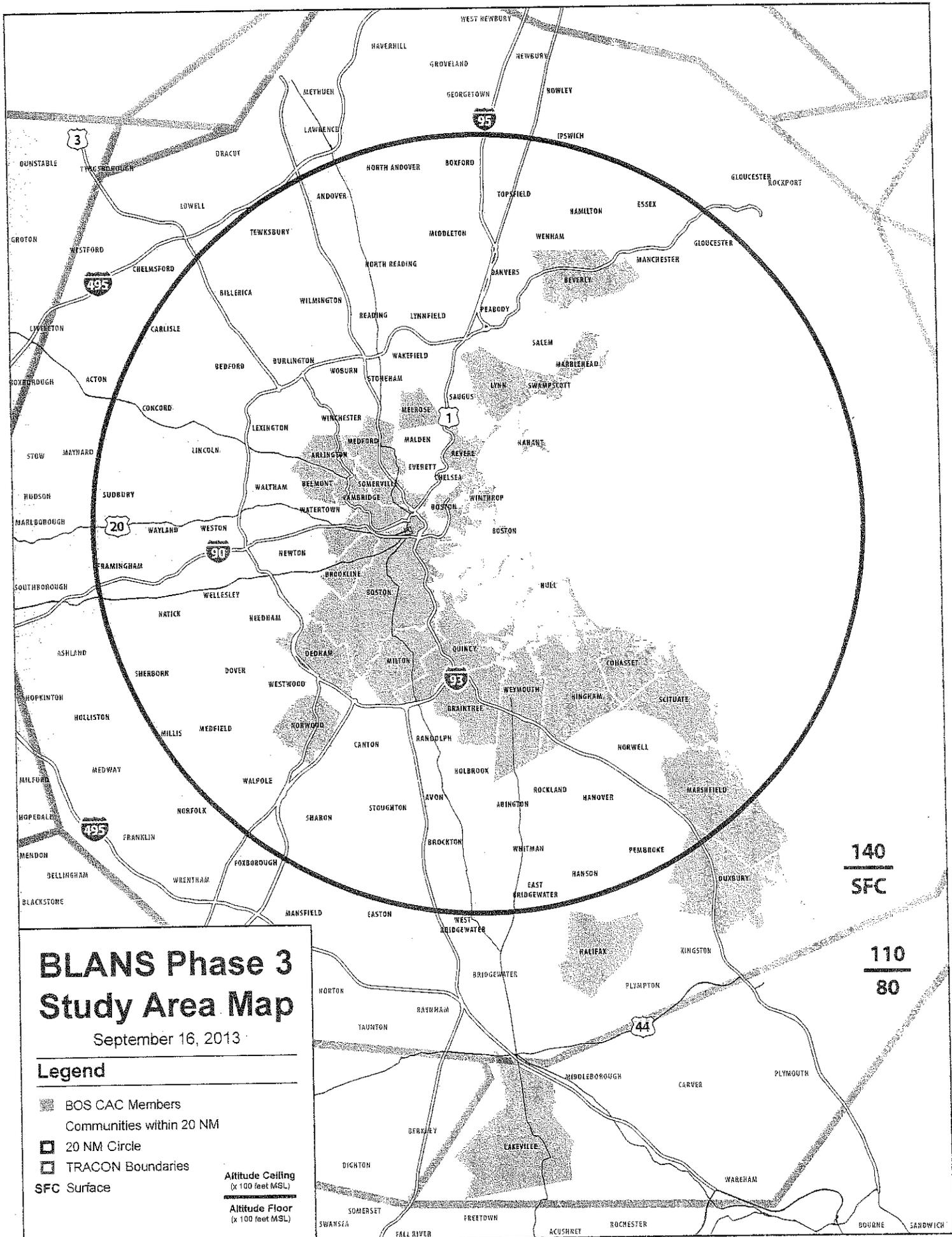
Source: Massport Noise Office and HMMH  
2015 is YTD through April

### Runway 22L Arrivals Percentage to Total Traffic 2009-Present



**Runway 22L Arrivals  
Percentage of Total Traffic  
2013-Present**





# BLANS Phase 3 Study Area Map

September 16, 2013

## Legend

-  BOS CAC Members
-  Communities within 20 NM
-  20 NM Circle
-  TRACON Boundaries
-  SFC Surface

Altitude Ceiling  
(x 100 feet MSL)

Altitude Floor  
(x 100 feet MSL)

140  
SFC

110  
80