

# FLYING AT THE DUCHY

## A. OVERVIEW

The Duchy Airport gives its homeowners a unique opportunity to live literally footsteps from our aircraft and only feet from the active runway in a suburban setting. This environment also presents some challenges that ALL residents (and their pilot guests) must address.

Our roads are also aircraft taxiways which require a constant awareness of the possible conflict between airplanes, automobiles, pedestrians, and construction and service vehicles.

The Duchy Airport is governed by applicable Federal Aviation Regulations and is uncontrolled and we must SAFELY operate under these rules. We will strive to use a commonsense approach for developing best practice techniques for our flight operations.

## B. THE DUCHY AIRPORT BASIC INFORMATION

1. FAA Identifier:5NC5
2. Location: 060 / 19.7 nm from the Liberty VOR (LIB 113.0 / Ch 77)
3. LAT/LONG: 35-58-53.5010N 079-16-23.0590W. (Estimated)
4. Elevation: 650Ft. / 198m. (Estimated)

## C. AIRPORT OPERATIONS

1. Private Use only. Only Lot Owners and their guests may use the runway.
2. Uncontrolled.
3. Runway 3 / 21 Asphalt 3500 X 44 ft./ 1067 X 13 m
4. Painted Runway Heading and Centerlines
5. No Runway Lighting
6. Left-hand traffic pattern
7. Wind sock located at North and South ends of runway.
8. No fuel or mechanical services are available on the field.
9. Basic day VMC operation. IFR departures approved. Contact Raleigh Departure at 919-380-3125. Plan departures around cell tower 1nm North of the field (980' msl) and tower 2nm South of the field (996' msl). No IFR approach.
10. All flights should be made taking consideration of neighbors to the Duchy. Sunday 03 departures or 21 arrivals should not fly over the church(s) situated to the North of the Duchy.

## D. GROUND SAFETY

1. Use 122.9mhz Unicom frequency to communicate while taxiing at 5NC5. Announce taxiing intentions to provide situational awareness for other aircraft.
2. Be aware of possible conflicts with other aircraft, vehicles, or pedestrians. If driving, walking, jogging, biking, or using our roads, taxiing aircraft have the right a way. Yield to these aircraft as they are unable to reverse direction.
3. Residents should use EXTREME CAUTION while on our taxiways and especially near the runway. Remain alert to be able to hear approaching aircraft. The use of a hand-held radio tuned to 122.9, and avoidance of earbuds that may prevent awareness of aircraft, is recommended.

4. Perform engine run-ups only at the intersections of the taxiways and the runway. Do not run up on the runway.
5. BEWARE of propeller blast. Always turn the aircraft to direct prop wash away from people and buildings.

## E. FLIGHT SAFETY

1. Use 122.9 MHz Unicom frequency to communicate intentions for all flight operations while at The Duchy.
2. Be aware of noise in and around 5NC5. BE A GOOD NEIGHBOR.
3. 1650ft MSL TPA
4. Left-hand traffic pattern.
5. Recommend over-flight of traffic pattern before entry to confirm no ground conflicts. No straight-in approaches.
6. We don't support use of the Duchy for training due to both less experienced pilots (by definition) and the potential for the volume of traffic including pattern work required. Siler City and Burlington are alternatives.
7. We accept the need for limited pattern work specifically where such would increase safety and awareness of a new pilot/member needing familiarization at the Duchy.
8. Pilots unfamiliar with arrival and departure at the Duchy may request instruction and familiarization flight with one of the neighborhood CFI (Contact: Harry Dill)

## F. HAZARDS

1. General:
  - a. Wildlife can be an issue in the vicinity of the runway, especially emerging from the wooded area to the left.
  - b. Birds, including Canadian geese, Red-tailed Hawks, crows, and Turkey Buzzards, are common in the pattern area.
  - c. Rotor turbulence at the intersection of the trees and open areas (ie. at the pond boundary or at Nature's Ln neighborhood) from the row of trees on the west side of the runway when the wind is westerly.
  - d. Frequent Helicopter Life Flight traffic crossing over the runway at pattern altitude; no radio communication expected.
  - e. Several Tall Towers within 5NM of airfield.
  - f. Military Training Routes directly over 5NC5.
2. Runway 3:
  - a. Houses on short final
  - b. Raised ground at the threshold of the runway
  - c. Caution when departing: shallow depressions in the runway adjacent to the pond may affect take-off roll directional stability.
3. Runway 21:
  - a. Tall trees (90' above runway elevation) on short final (650' from the threshold)

## F. SAFETY AND AIR OPERATIONS COMMITTEE

The Duchy Board of Directors established this committee to proactively discuss the safety implications of increased activity in and around 5NC5. This Committee allows every resident of The Duchy to discuss their Safety and Airport Operational concerns in an open forum. They meet regularly and welcome all to attend. Committee member's contact information is listed on The Duchy POA website.