

# Eastern Mass Hawk Watch

## DEFINITIONS for Data Forms

**TIME (STD):** ALWAYS Eastern STANDARD Time  
Weather and flight conditions at beginning of hour, sightings to the minute

<u>Wind Speed (Beaufort Scale)</u>	<u>Enter CODE</u>
Calm, smoke rises vertically (0-1 mph)	0
Smoke drifts to show wind direction (1-3 mph)	1
Leaves rustle, wind felt on face (4-7 mph)	2
Leaves, small twigs in constant motion; light flag extended (8-12 mph)	3
Raises dust, leaves, loose paper; small branches in motion (13-18 mph)	4
Small trees with leaves sway (19-24 mph)	5
Larger branches in motion; whistling heard in wires (25-31 mph)	6
Whole trees in motion; resistance felt walking against wind (32-38 mph)	7
Twigs, small branches broken off trees; walking generally impeded (39-46 mph)	8

**Wind Direction:** Compass direction FROM which the wind is coming (N, NNE, SE, etc.);  
if variable, enter VAR

**Temp. (Celsius):** If you don't have a thermometer with Celsius, read degrees F, then convert later  
using  $C = (F - 32) \times .556$

**Humidity:** estimate %

**Barometric Pressure:** in inches, if known

**Cloud Cover:** estimate % of sky with background cloud cover

**Visibility (km):** estimate from your longest view, in km (multiply miles by 1.5 to get ~kms)

<u>Precipitation</u>	<u>enter CODE</u>
None	0
Haze or Fog	1
Drizzle	2
Rain	3
Thunderstorm	4
Snow	5
Wind-driven dust, sand or snow	6

**Flight Direction:** compass direction migrants are HEADING (S, SSW, etc.)

<u>Height of Flight</u>	<u>enter CODE</u>
Below eye level	0
Eye level to ~30 meters	1
Birds seen easily with unaided eyes (or with eyeglasses)	2
At limit of unaided vision	3
Beyond limit of unaided eye but visible with binoculars up to 10x	4
At limit of binoculars	5
Beyond limit of binoculars up to 10x, but seen with >10x or telescope	6
No predominant height - most often used code	7

**No. of observers:** number of observers actually contributing observations during the hour

**Duration of observation. (min.):** amount of observation time, in minutes, during the hour

**Comments:** anything you can add about the flight or specific birds (e.g. kettle size; plumage;  
full crop; unusual behavior, interspecies )

**On the Field Recording Sheet:** number the observation, then write it (numbered) on the back

**On the HMANA DRF summary sheet:** mark "x" under comments, then copy observation to the back