



**UNITED STATES MARINE CORPS**

MARINE CORPS AIR STATION  
BOX 99100  
YUMA, AZ 85369-9100

StaO 3750.1B  
DSS  
22 DEC 2007

STATION ORDER 3750.1B

From: Commanding Officer, Marine Corps Air Station Yuma  
To: Distribution List

Subj: BIRD/ANIMAL AIRCRAFT STRIKE HAZARD (BASH) REDUCTION PLAN

Ref: (a) OPNAVINST 3750.6Q

Encl: (1) Bird/Animal Strike Report

1. Situation. The hazard posed by birds and animals to flight operations is an ever-present problem. Total elimination of the hazard is impossible, but an active program can mitigate the risk.

2. Mission. To reduce the bird/animal strike hazard to aircraft aboard MCAS Yuma by creating an integrated hazard abatement program.

3. Execution

a. Commander's Intent and Concept of Operations

(1) Commander's Intent

(a) To minimize aircraft exposure to potentially hazardous bird/animal strikes at and around the Air Station.

(b) To reduce the bird/animal strike potential through awareness, avoidance, monitoring, and actively controlling bird and animal populations and movements.

(2) Concept of Operations. MCAS Yuma will minimize BASH exposure by establishing a BASH working group to evaluate methods and practices that will reduce associated hazards. The Station will also implement a Bird Warning Condition (BWC) notification standard that will be used to disseminate bird/animal activity information and implement dispersal procedures. The following conditions are defined:

(a) BWC Red (severe). Heavy concentration of birds on or directly above runways, in the immediate vicinity of a low-level route or training area, or other locations that presents an immediate hazard to safe aviation operations. Aircrew should thoroughly evaluate mission need before operating in areas under Code Red.

(b) BWC Yellow (moderate). Concentrations of birds represent a probable hazard to safe flying operations. This condition requires increased vigilance by all agencies and caution by aircrew.

(c) BWC Green (low). Bird activity is normal with a low probability of hazard.

b. Subordinate Element Missions

(1) The Airfield Operations Officer shall:

(a) Monitor the airfield for bird activity and coordinate bird abatement actions.

(b) Inform the Natural Resources office of any changes to low-level routes or training areas.

(c) Direct Crash Fire Rescue to conduct and maintain records of daily airfield surveys to include bird activity, standing water, and protection areas.

(2) The Air Traffic Control Facility Officer shall:

(a) Utilize the BASH Warning Conditions (BWC) to report appropriate bird activities or hazards. Issue BWCs via ATIS, NOTAMs, etc. whenever bird activities are observed or reported within the Delegated Approach Control Airspace.

(b) Initiate bird avoidance procedures when potentially hazardous bird activities are reported.

(c) Identify radar targets as possible bird activity and provide warnings to pilots when appropriate.

(d) Promptly report possible hazardous conditions to the Airfield Operations Officer (x3558), Aviation Safety Officer (x5611) and Range Director (x3401).

(3) The Range Director shall:

(a) Maintain required permits for dispersal and depredation programs.

(b) Ensure properly trained personnel and equipment are available to conduct animal control activities when required.

(c) Maintain records of control efforts and methods.

(d) Coordinate animal control activities with Provost Marshall.

(e) Advise the Airfield Operations Officer on procedures to abate bird/animal hazards.

(4) The Natural Resources Specialist shall:

- (a) Provide bird activity analysis to the Airfield Operations Officer and Aviation Safety Officer.
- (b) Review all locally generated BASH Reports and attempts to identify all bird remains.
- (c) Review low-level routes, training areas, and changes to existing routes/areas for BASH potential.
- (d) Liaison with US Fish and Wildlife Service (USFWS), Audubon Society, and other agencies to provide additional information on migratory, local, and seasonal bird activities.
- (e) Assist the Aviation Safety Officer with the information and education program.

(5) Aviation Safety Officer shall:

- (a) Periodically brief aircrew on bird strike hazards and prevention, emphasizing the importance of promptly reporting all significant activity that poses a bird strike hazard.
- (b) Deliver any bird remains and forward a copy of Animal/Bird Strike Report to the Natural Resources office following every bird strike.
- (c) Submit BASH Reports following all incidents.
- (d) Maintain a database of all Animal/Bird strikes and activity that poses a threat to aircraft operations.

(6) The Facilities Management Division shall: Investigate, evaluate, and incorporate bird exclusionary devices in hangars and other structures.

(7) The Provost Marshal shall:

- (a) Periodically conduct surveys of perimeter fence integrity and report discrepancies to facilities management.
- (b) Coordinate with the Range Director to conduct animal depredation as required.

(8) BASH Working Group shall: Meet semiannually to assess the status of the BASH reduction program and to recommend improved procedures and coordination. The station Aviation Safety Officer will coordinate these meetings. The BASH Working Group shall consist of:

- (a) Commanding Officer (Chairperson)

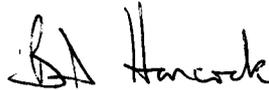
- (b) Airfield Operations Officer
- (c) Air Traffic Control Facility Officer
- (d) Range Director
- (e) Aviation Safety Officer
- (f) Natural Resources Specialist

c. Coordinating Instructions. Submit all recommendations concerning this Order to the Commanding Officer, Marine Corps Air Station Yuma, via the appropriate chain of command.

4. Administration and Logistics. The BASH Working Group shall review this instruction annually, making changes as necessary.

5. Command and Signal

- a. Signal. This Order is effective the date signed.
- b. Command. This Order is applicable to all Station, Tenant, and Transient Organizations.

  
B. D. HANCOCK

Distribution: B

### BIRD/ANIMAL STRIKE REPORT

In the event of a reported animal/bird strike obtain the following information. Strikes should be expeditiously reported but not at the expense of safety of flight.

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a. Date: \_\_\_\_\_ Time of Incident (local): \_\_\_\_\_

b. Aircraft Type: \_\_\_\_\_ Callsign: \_\_\_\_\_ Squadron: \_\_\_\_\_  
Bureau Number: \_\_\_\_\_

c. Geographic location of strike, be as exact as possible:  
(Where on airfield, lat/long or DME/radial from NAVAID)

d. Phase of flight: \_\_\_\_\_takeoff\_\_\_\_\_landing\_\_\_\_\_level  
\_\_\_\_\_climbing\_\_\_\_\_descending\_\_\_\_\_taxiing\_\_\_\_\_stationary

Altitude/Airspeed at time of strike: \_\_\_\_\_

e. Lights being used: \_\_\_\_\_none \_\_\_\_\_landing \_\_\_\_\_strobe  
\_\_\_\_\_both \_\_\_\_\_n/a

f. Type of strike: \_\_\_\_\_bird \_\_\_\_\_deer \_\_\_\_\_other :

If known, what type of bird (gull, blackbird, vulture, etc):

g. Number seen at strike: \_\_\_\_\_few \_\_\_\_\_many \_\_\_\_\_exact #

h. Who removed the remains: \_\_\_\_\_None found \_\_\_\_\_Natural Res.  
\_\_\_\_\_Crash/Fire \_\_\_\_\_Other:

i. If known, point of impact and the extent of damage to the aircraft?

j. Weather/visibility at time of strike: \_\_\_\_\_

k. Point of contact: name \_\_\_\_\_ extension \_\_\_\_\_

1. Forward the above information to Base Operations and the ASO. If the strike occurs after working hours and results in an aircraft mishap or heavy aircraft damage, call the ASO at home (name, phone #, and beeper # are on the Flight Support Recall Roster).

2. All animal/bird remains are to be delivered to the \_\_\_\_\_ Natural Resource Office.

ENCLOSURE (1)