













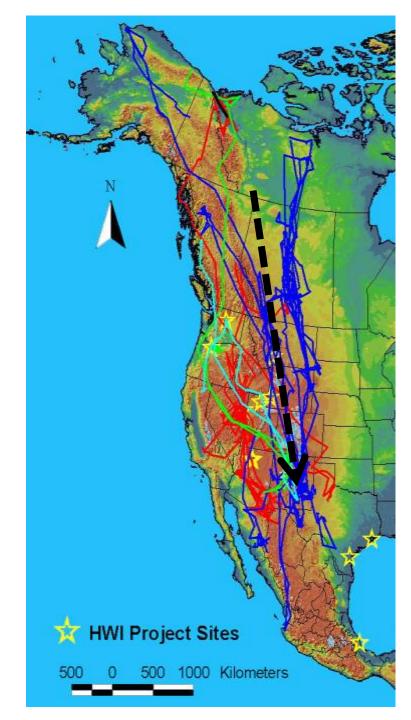
The Widespread Common Raptors. In many areas, raptors of all sorts can be seen Several species are common or widespread throughout North America, so your understanding of which species to expect in a certain area or habitat may narrow your choices. Then try to decide what type of raptor (falcon, accipiter, buteo...) you are watching; this helps to narrow your choices.

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Fall Migration

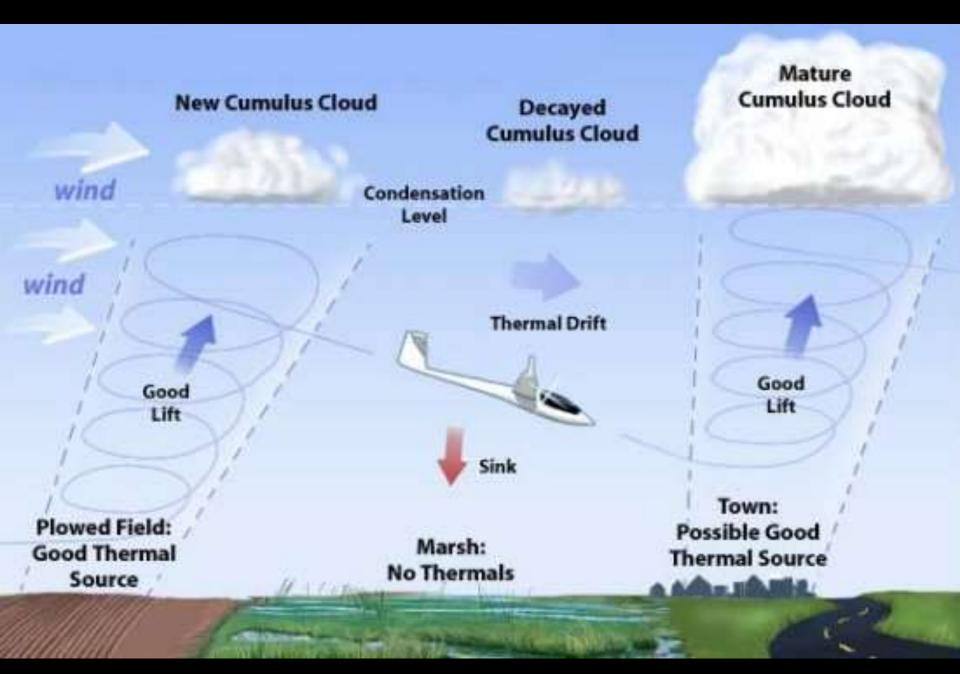
- Annual north-south passage from nesting to wintering grounds
- Rocky Mountains provide a highway for migrants
- Bridger Mountains and Big Belts concentrate large numbers of migrating Golden Eagles
- The Bitterroot River corridor concentrates large numbers of Turkey Vultures



Bridger Mtns, MT (annual scientific counts began in 1991)



Sailplane turns away from ridge when turning wind around Lift Wind deflected upward by ridge line Wind weaker near ground



As widespread, apex predators, raptors are useful indicators of ecosystem health!





Apex Predator

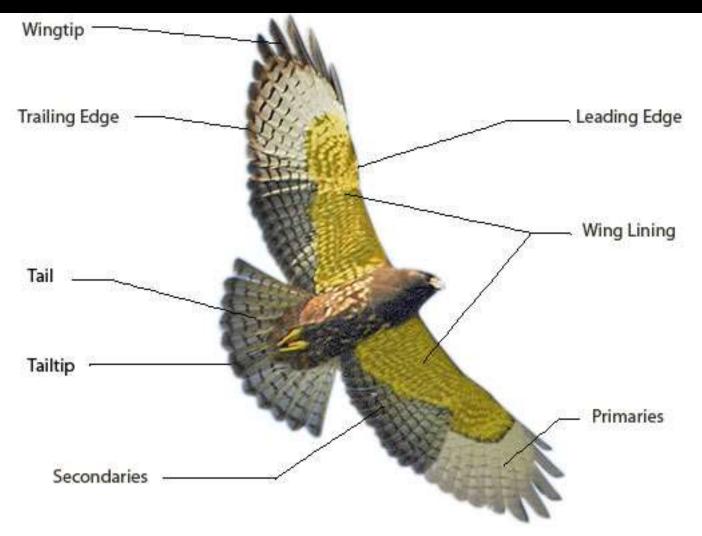
 Bridger Mountains are one of the largest Golden Eagle flyways in lower 48 states with long term data

> Have measured a significant (40%) decline over 20+ years

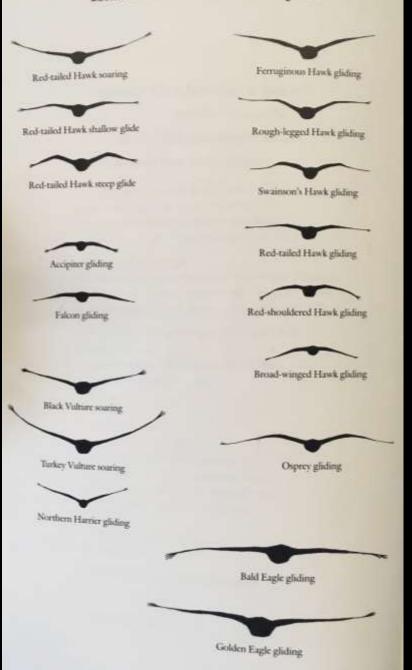


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Head-on Profiles of Selected Species



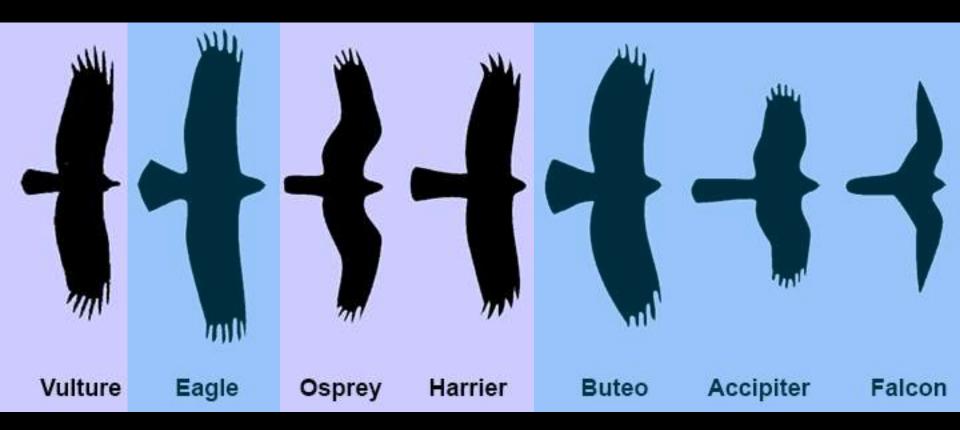
head – on Soaring gliding

wing - on



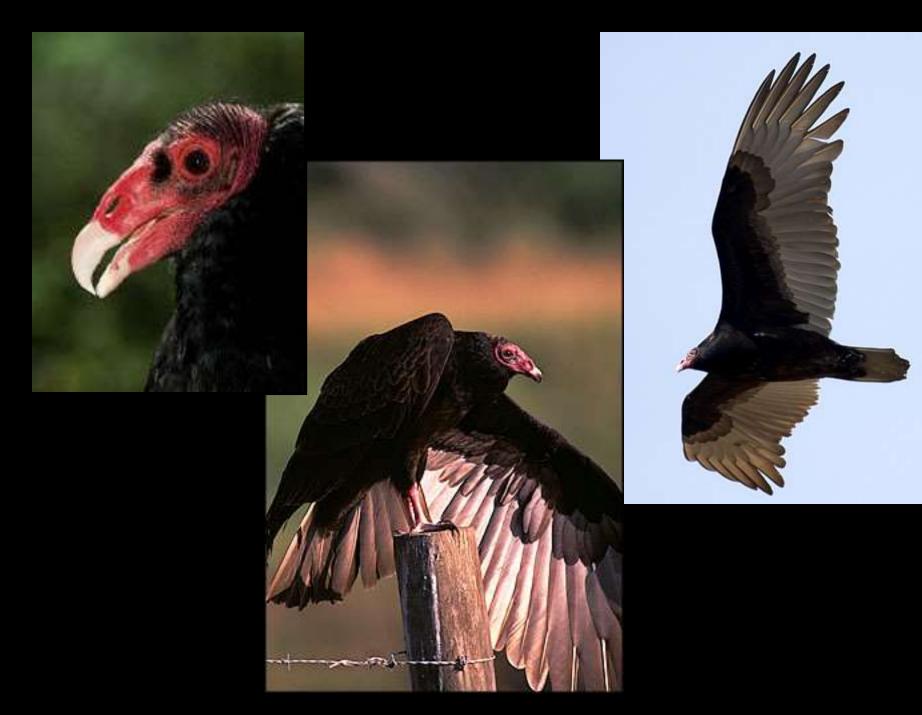
Tail - away







@ Kristi DuBois Photo



Strong dihedral!





Osprey: Flying 'M' in the sky!





Northern Harrier (adult male)



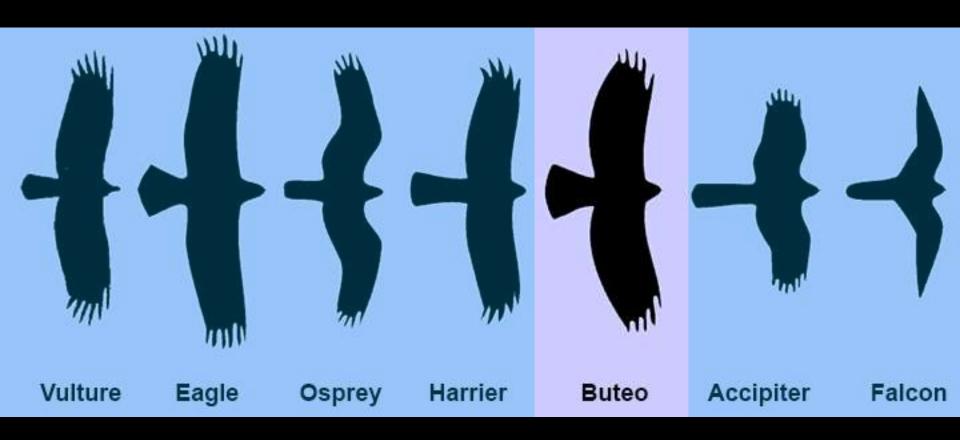


Northern Harrier (adult female)

























Red-tailed Hawk juvenile





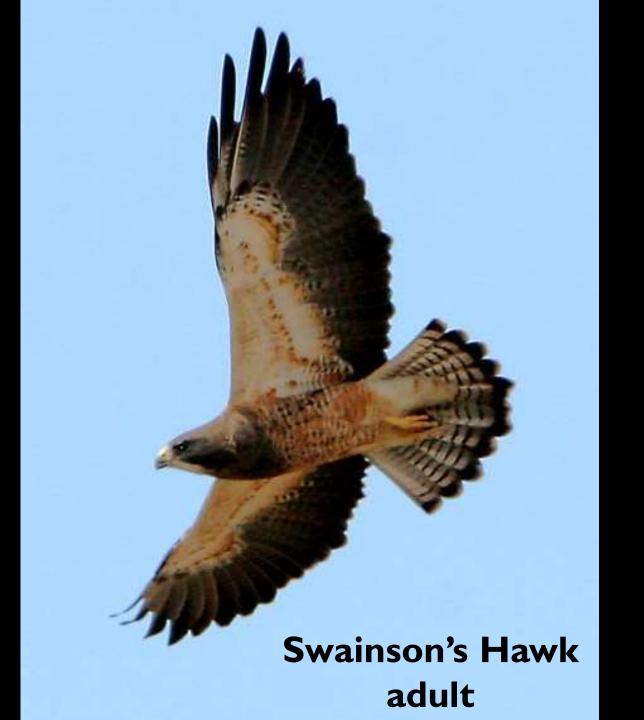




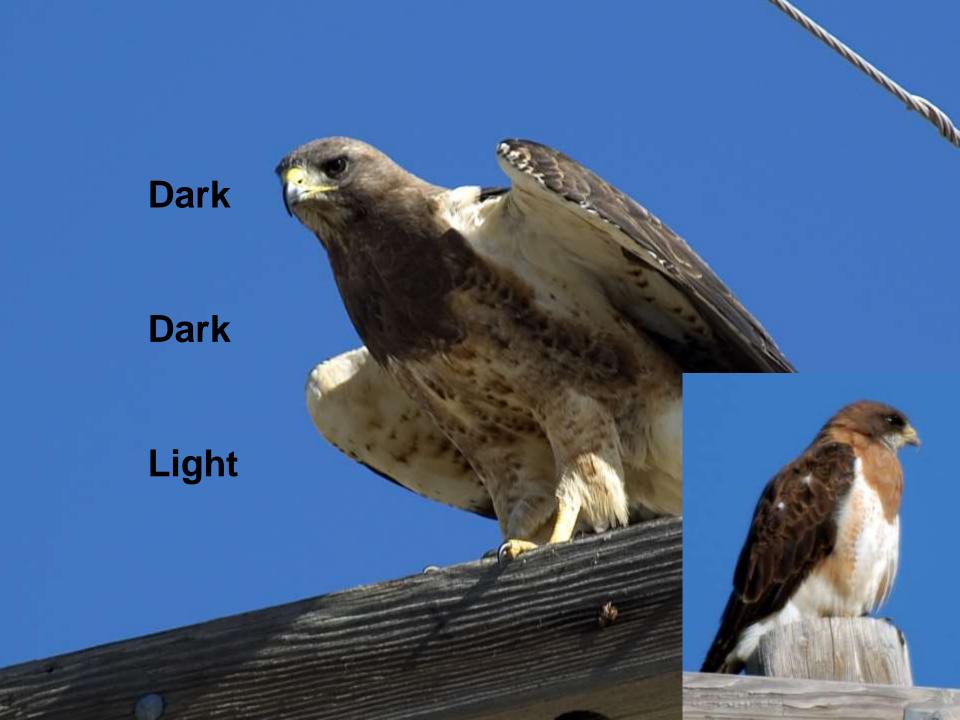














Swainson's Hawk juvenile







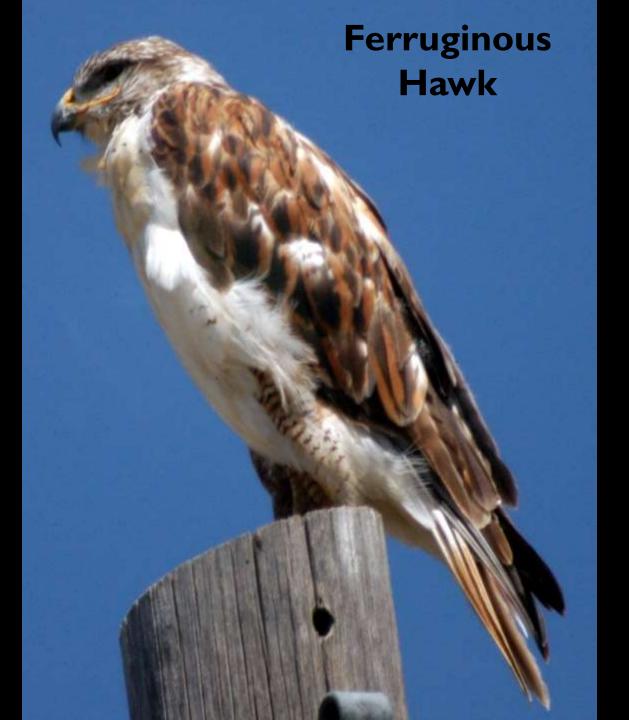




Light

Light

Light









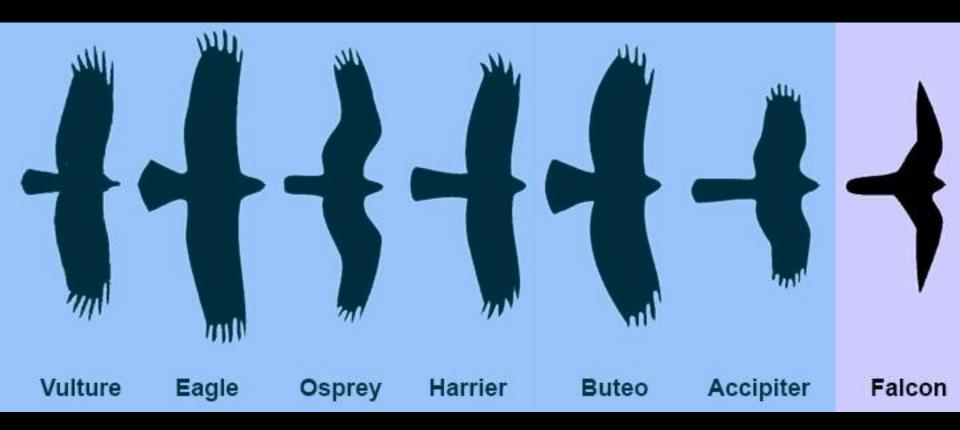
Broad-winged Hawk (spring & fall migrant)













Peregrine Falcon (juvenile)

















Prairie Falcon (juvenile)













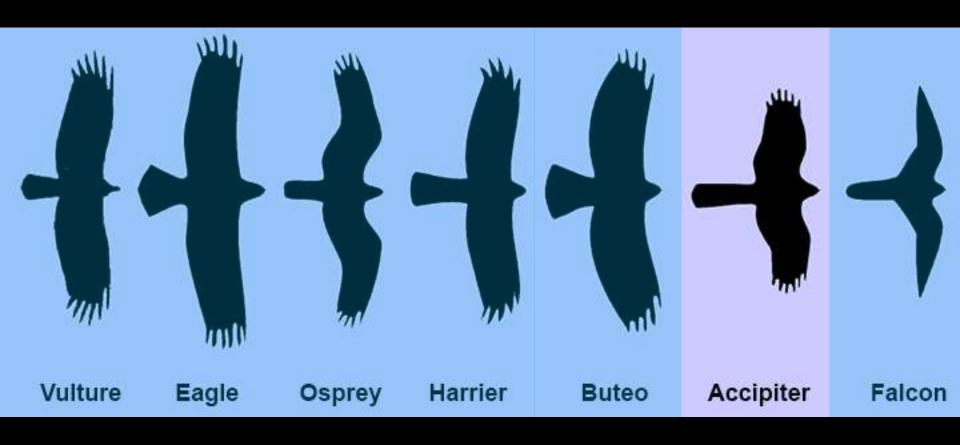










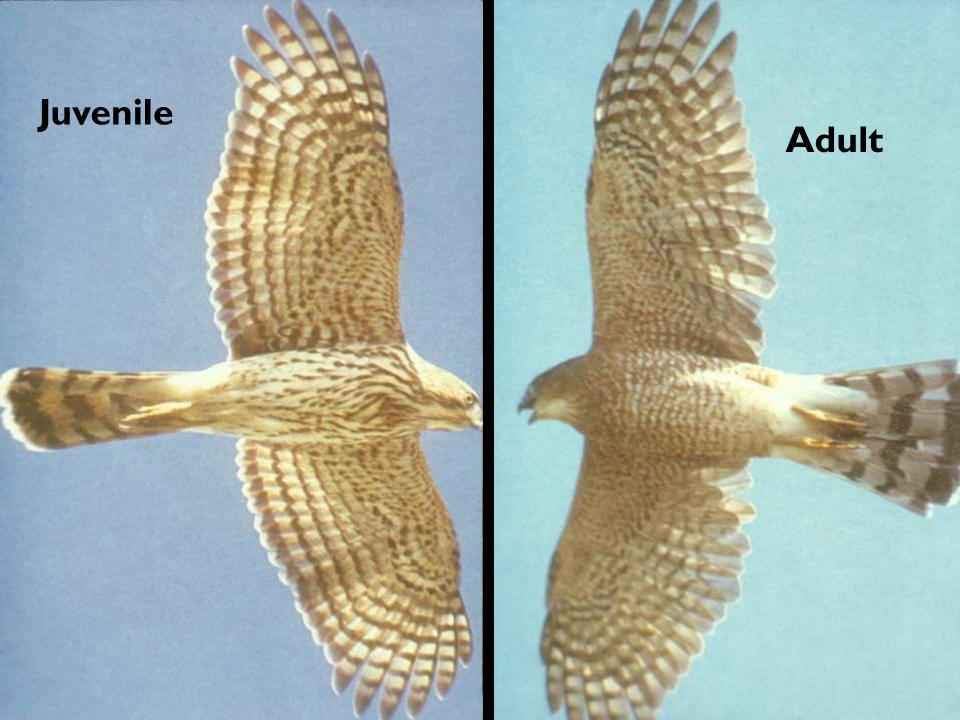










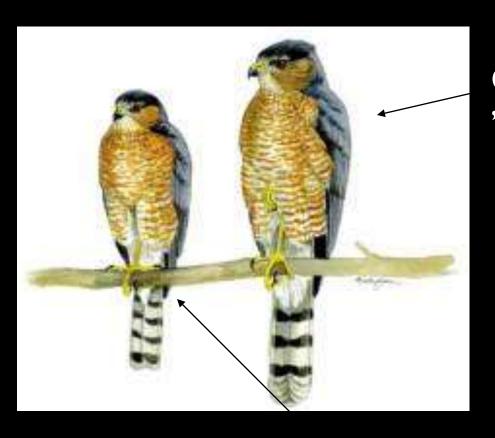




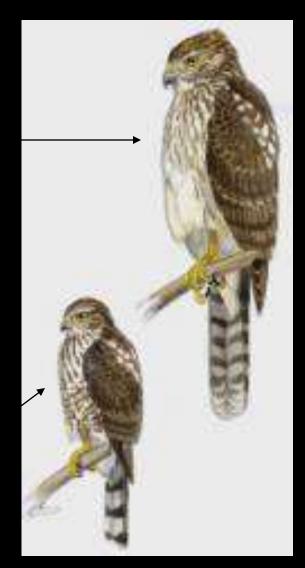


Sharpshin: rounded head

Coop: rectangular head



Cooper 's Hawk



adults

Sharp-shinned Hawk

juveniles



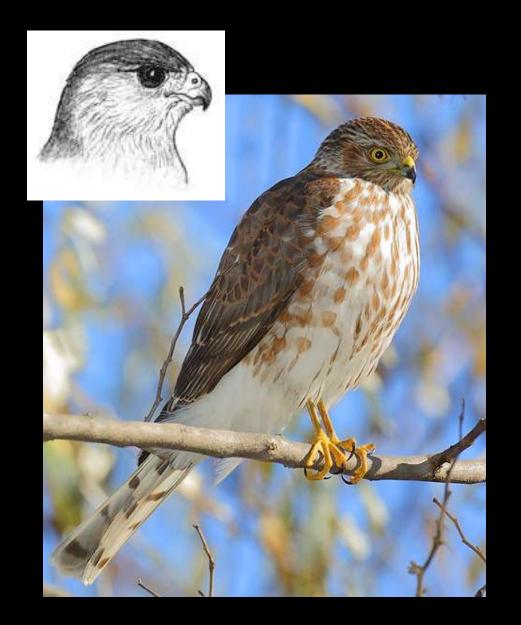
Sharpshinned





Cooper's



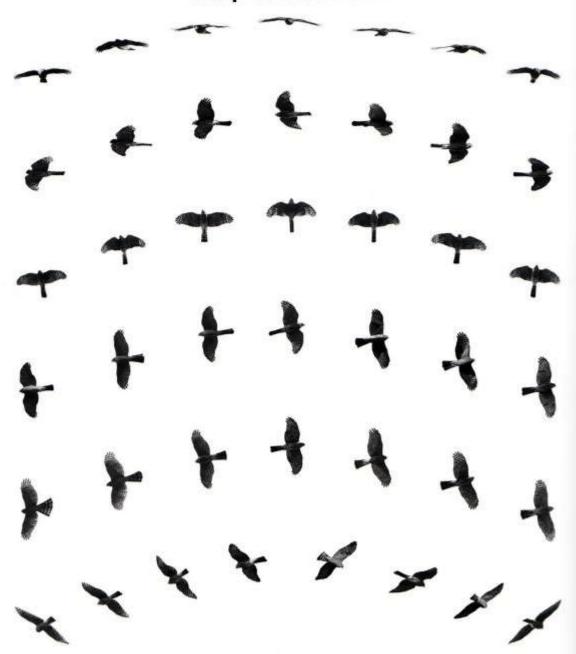




Sharp-shinned Hawk

Cooper's Hawk

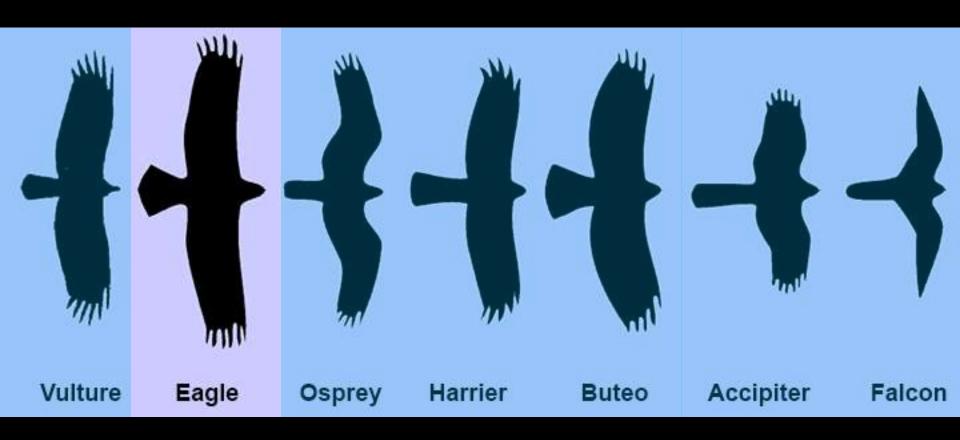
Sharp-shinned Hawk



Northern Goshawk - Crossly ID















Golden Eagle



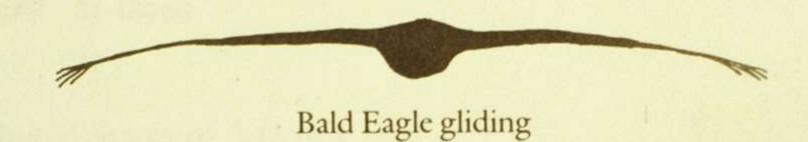


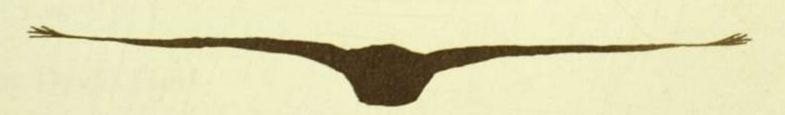








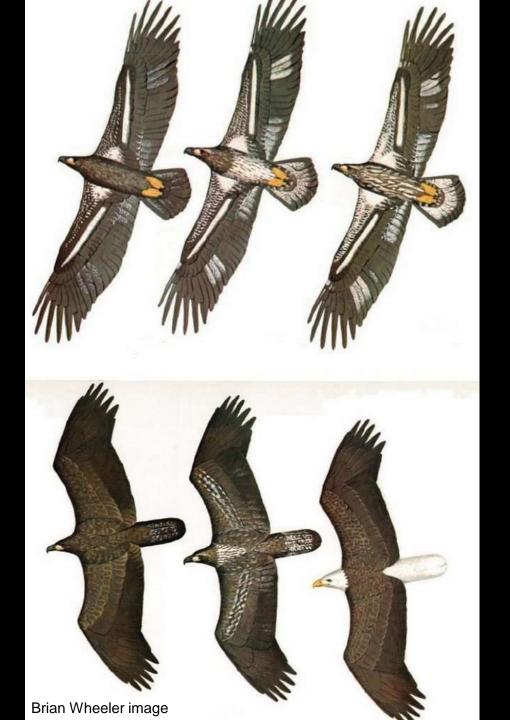




Golden Eagle gliding







Pit-falls and details





Northern Harrier

Rough-legged hawk

Bald Eagle - Crossly ID





Golden Eagle - Crossly ID

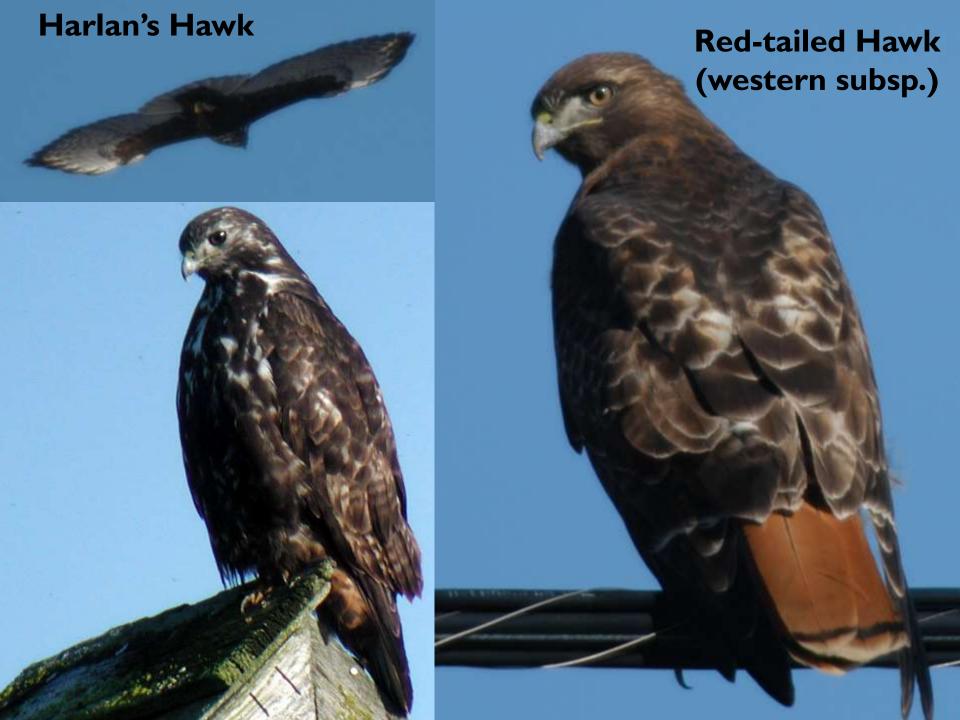


Color morphs



Red-tailed Hawk color morphs





Harlan's Hawk





Krider's Hawk



Krider's Hawk





Swainson's Hawk color morphs **Light Morph Swainson's Hawk**









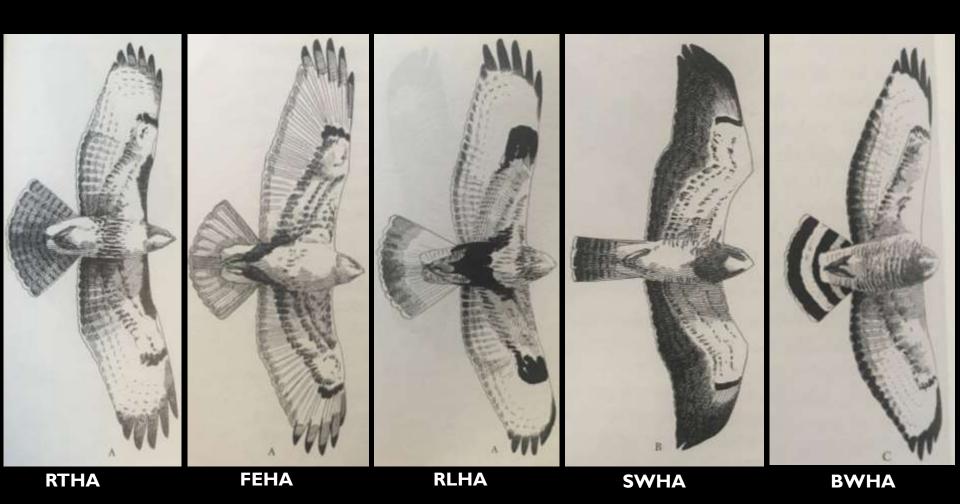
Dark morph Ferrugs are rare!



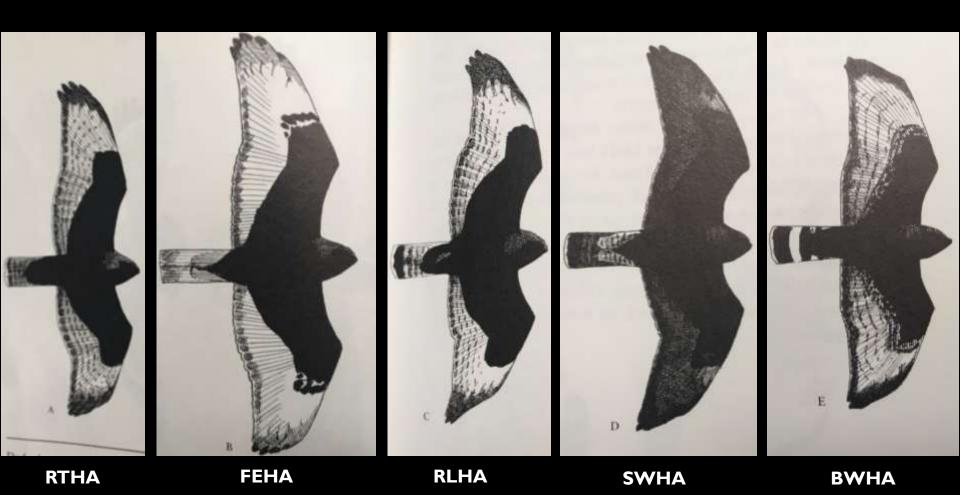




Light morphs



Dark morphs







Buteo Shapes Red-shouldered Hawk Broad-winged Hawk Red-tailed Hawk Squared Pointed Dihedral Slightly bowed Bowed - Squared Broad -Straight Squared Short Stocky Squared Pointed Large Stocky Broad



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