

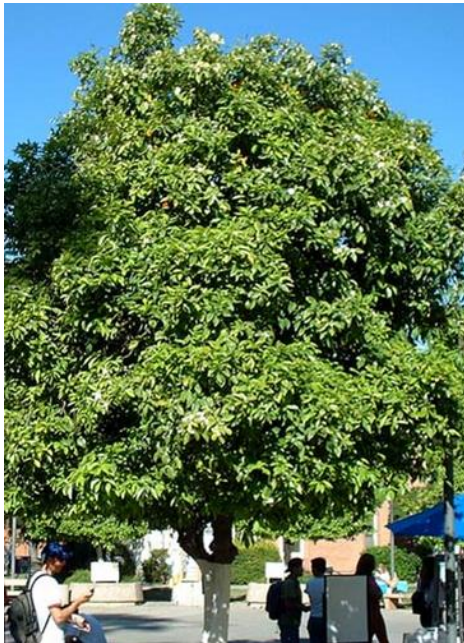


Role: eats other birds and mammals  
Possible Interactions: nest on buildings or trees, reduce populations of prey animals



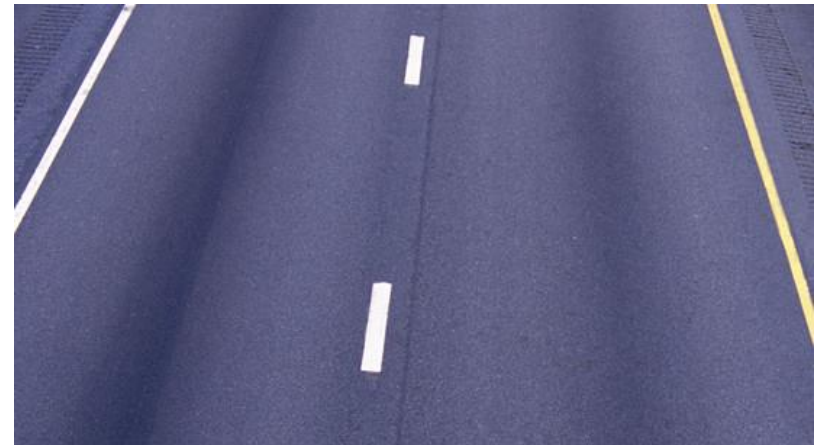
Role: shelter for people and other animals

Possible Interaction: contributes to heat island, decreased space for animals and plants



Role: stabilizes soil, converts sun's energy to sugar, creates oxygen, uses CO<sub>2</sub>

Possible Interaction: food and shelter for wildlife, aesthetics, food, and shade for people



Role: hard surface for vehicles, connects communities, allows movements of goods

Possible Interaction: can provide food for animals (road kill), decreases space for plants and animals, limits travel for animals, could help spread non-native plants & animals (by vehicles or along medians), indirectly air pollution causing health issues for plants and animals



Role: eats rodents

Possible Interaction: food for other animals, beneficial to people for rodent control



Role: shelter for people and possibly other animals

Possible Interaction: keeps out animals, decreased space for animals and plants, could provide shade for animals or plants



Role: stabilizes soil, converts sun's energy to sugar, produces oxygen, uses CO<sub>2</sub>

Possible Interaction: food and shelter for wildlife, aesthetics, and shade for people



Role: place to deposit mail, communication

Possible Interaction: if abandoned could become home for animals, resting spot (birds)



Role: eats vegetation, garbage, rodents, lizards, and other small animals

Possible Interaction: may help people by controlling , might also prey on domestic animals (chickens, lambs, small pets), , aesthetics, symbol of the West (howling at night)



Role: transport water from one place to another, decrease flooding

Possible Interaction: food, and shelter for animals, cooling, water for plants and animals



Role: stabilizes soil, converts suns energy to sugar, creates oxygen, uses CO<sub>2</sub>

Possible Interaction: food and shelter for wildlife, aesthetics for people, spines deterrent for some animals



Role: allows travel for people and goods

Possible Interaction: can indirectly relate to food for animals (train kill), abandoned railroad beds have been converted to recreational use, can transport seeds and animals along routes



Role: eats insects, tadpoles, fish, and grains

Possible Interaction: food for other animals (raptors), can damage crops, population increases with human altered landscape



Role: shelter for people and possibly other animals

Possible Interaction: keeps out animals, decreased space for animals and plants, could provide shade for animals or plants



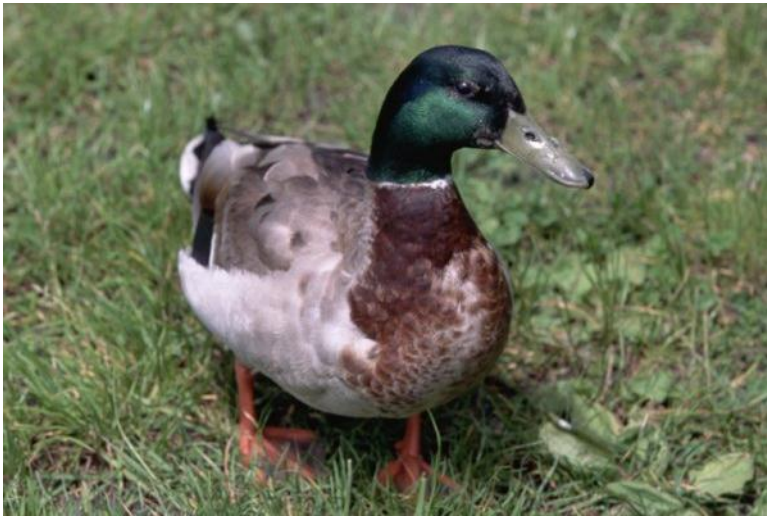
Role: stabilizes soil, converts sun's energy to sugar, produces oxygen, uses  $\text{CO}_2$

Possible Interaction: food for animals, shelter for small animals, aesthetics and place to play for people, cooling effect



Role: emergency water supply for fires,

Possible Interaction: perching spot for animals, marking spot for dogs,



Role: consumes insects and aquatic vegetation

Possible Interaction: food for other animals, hunted by people, aesthetics for people



Role: aesthetics for people, gathering place

Possible Interaction: cooling effect, water for birds and other animals to drink



Role: stabilizes soil, converts sun's energy to sugar, produces oxygen, uses CO<sub>2</sub>

Possible Interaction: food and shelter for wildlife, aesthetics, and food for people, shade cools buildings



Role: place to walk, separates pedestrians from road and private property

Possible Interaction: can indirectly relate to food for animals (people drop food while walking), decreases space for plants and animals (weeds might grow in cracks), could increase runoff.



Role: consumes arthropods

Possible Interaction: eaten by other animals, keeps some animal populations down through predation, burrowing species help aerate the soil, poisonous to people



Role: recreation for people, green space, gathering place

Possible Interaction: home for small animals, potential food from vegetation and garbage



Role: stabilizes soil, converts sun's energy to sugar, produces flowers and seeds to reproduce

Possible Interaction: food for animals, aesthetics



Role: hold solid waste, keeps area clean so less chance of disease

Possible interaction: could provide food for animals if not properly closed



Role: eats insects (adult), eats algae (tadpole)

Possible Interaction: food for other animals. Night-time noises, beneficial to people for insect control



Role: decreases runoff so less flooding on roads

Possible Interaction: location of food, and shelter for animals, water for plants and animals



Role: stabilizes soil, converts sun's energy to sugar, produces oxygen, uses CO<sub>2</sub>

Possible Interaction: food and shelter for animals, aesthetics for people, cooling, nesting site for birds



Role: controls traffic,  
Possible Interaction: perching site for birds, safety



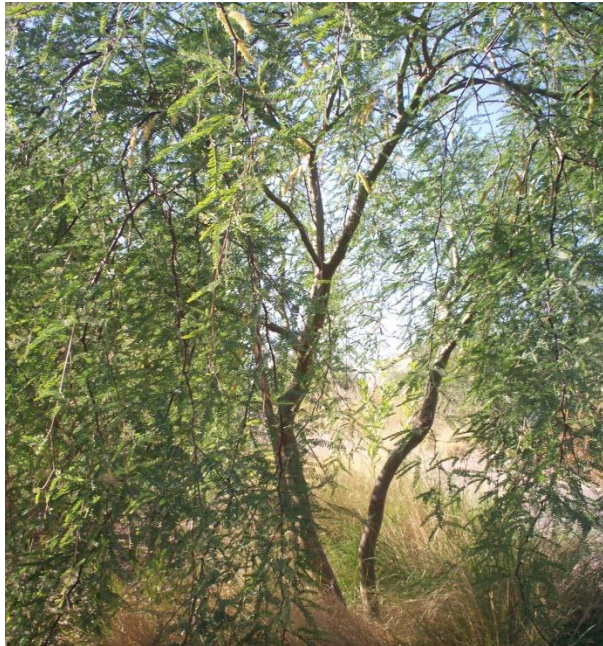
Role: Consumes other arthropods

Possible Interaction: may help people by controlling other arthropod populations, food for other animals such as birds



Role: hard surface for vehicles to park, access for shopping, hard surface for recreation (festivals, flea markers...)

Possible Interaction: can provide food for animals (dropped food), decreases space for plants and animals, can heat surrounding area, can increase runoff, runoff can have pollutants (oil from cars)



Role: stabilizes soil, converts sun's energy to sugar, produces oxygen, uses  $\text{CO}_2$

Possible Interaction: food and shelter for wildlife, nurse plant for other plants (provide shelter from sun)



Role: allows travel from one place to another

Possible Interaction: makes faster travel possible for people, can indirectly relate to food for animals (food dropped), decreases space for plants and animals, aesthetics for people





Role: eats plants (larval stage), pollinates plants (adult stage)

Possible Interaction: important pollinator (possibly for crops), food for animals, aesthetics for people, pest to plants –may cause people to use insecticides



Role: dissuade movement, defines boundaries

Possible Interaction: perching site for birds, could be barrier to migration route to animals, can be decorative or historic



Role: stabilizes soil, converts sun's energy to sugar, produces flowers and seeds.

Possible Interaction: food and shelter for animals, aesthetics for people, may shade buildings



Role: recreation for people

Possible Interaction: perching site for birds, if net unravels could become part of a nest or place for nesting



Role: eats decaying organic material

Possible Interaction: food for other animals , people may not like them and may spray pesticides



Role: place for people to exercise relax and stay cool

Possible Interaction: cooling effect for animals in local area, water for birds and other animals to drink, wastes water



Role: stabilizes soil, converts suns energy to sugar, produces oxygen, uses CO<sub>2</sub>

Possible Interaction: food and shelter for wildlife, nurse plant for other plants (provide shelter from sun), aesthetics



Role: measures energy for people

Possible Interaction: perching site for birds, electricity helps run electronics that can be beneficial such as keeping people cool, indirectly contributes to pollution that can affect animals and plants (air)



Role: consumes variety of wild seeds, grains, and insects

Possible Interaction: food for other animals, control insect populations, nests and droppings near people, aesthetics for people, attracted to water



Role: electric wires provides energy and lights illuminate street

Possible Interaction: perching site for birds, possible nesting place, improve street appearance & safety contributes to pollution that can affect animals and plants (light, air)



Role: stabilizes soil, converts sun's energy to sugar, produces flowers and seeds to reproduce, uses water, takes up CO<sub>2</sub> and gives off O<sub>2</sub> and water vapor.

Possible Interaction: food for animals, aesthetics, ground cover prevents erosion and dust



Role: place to gather and rest

Possible Interaction: could provide shade /resting area for animals. Place to view nature for people