Table 1: Species in the ACT listed as threatened under the Nature Conservation Act 2014, listing changes 2020 to 2023 and relevant threatening processes. **Information sourced from**: Environment, Planning and Sustainable Development Directorate.

Note: Listing changes and threatening processes information are derived from species Action Plans or Conservation Advice documents. New listings from 2020 to 2023 are highlighted in blue, changes in status are highlighted in pink.

Current listing status	Scientific name	Common name	Listing changes 2020 to 2023	Relevant threatening processes in the ACT
Critically Endangered	Anthochaera phrygia	Regent Honeyeater	Nil	 Clearing, fragmentation and degradation of woodland dominated by Box Ironbark Competition at suitable breeding sites and high rates of nest predation
Critically Endangered	Lathamus discolor	Swift Parrot	Nil	 Habitat loss and alteration across the mainland and Tasmanian range Fire Collision mortality Competition for resources within altered habitats Psittacine Beak and Feather Disease Illegal wildlife capture and trading
Critically Endangered	Pseudophryne pengilleyi	Northern Corroboree Frog	Nil	 Disease (amphibian chytrid fungus Batrachochytrium dendrobatidis) Fire Climate change Feral animals Weeds Habitat disturbance and degradation
Critically Endangered (locally extinct)	Litoria castanea	Yellow-spotted Bell Frog	Nil	 Amphibian chytrid fungus Infection from myxosporean parasites Habitat loss and degradation through clearing, trampling, fragmentation, altered hydrology, salinity Small population sizes and population fragmentation Chemicals Climate change (temperature increase, extreme weather events and droughts)

Current listing status	Scientific name	Common name	Listing changes 2020 to 2023	Relevant threatening processes in the ACT
Critically Endangered	Tympanocryptis lineata	Canberra Grassland Earless Dragon	2023: Listed as Critically Endangered. Previously listed as Endangered as species Tympanocryptis pinguicolla Grassland Earless Dragon Reasons for listing status change · Accelerated trajectory of very severe decline · Severely fragmented subpopulations · Decreased habitat area, extent and quality · Low number of subpopulations · Very high rate of ongoing decline in the number of mature individuals — less than 50 mature individuals in each of the two main populations	 Loss, fragmentation and degradation of grassland habitat from urban, industrial and agricultural development — any further grassland contraction is likely to increase the risk of extinction Overgrazing by kangaroos, rabbits or livestock, or close mowing resulting in the loss of tussock structure and excessive bare ground Increased mortality from high temperatures and lack of ground cover because of loss of food and refugia — exacerbated by climate change and overgrazing Climate change including drought and impact of high/extreme temperatures on physiological function Loss of arthropod populations that the Canberra Grassland Earless Dragon relies on for burrows Loss of native flora species from cultivation and pasture improvement Weed invasion Bushfire/inappropriate fire regimes Increased predation by invasive and native animals Development of excessive vegetation biomass Loss of genetic diversity
Critically Endangered	Caladenia actensis	Canberra Spider Orchid	Nil	 Climate change Disturbance such as trampling, grazing, development and maintenance of infrastructure, and bushfire Disease Low genetic diversity Life history traits: short flowering period, dependence on a single subfamily of wasps for pollination and an important association with soil fungi
Critically Endangered	Corunastylis ectopa	Brindabella Midge Orchid	Nil	 Severely restricted distribution (one population) Life cycle traits (period of dormancy when its presence is not evident, short flowering period, and association with soil fungi) High sensitivity to disturbance such as erosion, roadworks, shrub growth and weed invasion, herbicides Illegal collection
Critically Endangered	Pterostylis oreophila	Kiandra Greenhood	Nil	Namadgi National Park threats Invasive animals leading to overgrazing, soil disturbance and erosion Weeds National threats Grazing and trampling Altered hydrology because of the impacts of grazing Soil disturbance by rooting by feral pigs and trampling Weed invasion Inappropriate land management including inappropriate fire regimes Plant collection

Current listing status	Scientific name	Common name	Listing changes 2020 to 2023	Relevant threatening processes in the ACT
Endangered	Callocephalon fimbriatum	Gang-gang Cockatoo	 2023: Listed as Endangered (new listing) Reasons for listing status change Severe reduction in abundance at the national level – population has declined by approximately 69% (50%–80%) in the last three generations Substantial declines and habitat loss following the 2019–2020 bushfires – around 28% to 36% of all known Gang-gang Cockatoo habitat burnt during the 2019–20 bushfires 	 Habitat loss reducing key breeding, foraging and roosting habitat Removal of mature tree loss, particularly hollow-bearing trees, from urban, agricultural, and reserve areas Bushfire frequency and severity reducing tree hollow abundance Climate change through increased heat stress and mortality, increased bushfire risk, and changes to vegetation composition and hollow availability Competition for suitable nesting hollows Psittacine beak and feather disease Nest predation by the Common Brushtail Possum especially when habitat becomes fragmented
Endangered	Keyacris scurra	Key's Matchstick Grasshopper	 2023: Listed as Endangered (new listing) Reasons for listing status change Restricted geographical range at the national level and in the ACT Severe fragmentation of populations and habitat Ongoing decline in abundance (25% over the last ten years) Decreased habitat availability and quality Poorly understood management requirements 	 Habitat loss of Natural Temperate Grassland Habitat degradation through inappropriate management strategies that reduce grassland structure or and increase exotic plant species Habitat fragmentation exacerbated by the restricted movement of flightless adults between fragments for recolonisation Inappropriate fire regimes Climate change including impacts on habitat, egg mortality, life stage cues and moulting success Frequent mowing and extensive vegetation maintenance regimes
Endangered	Liopholis montana	Mountain Skink	 2023: Listed as Endangered (new listing) Reasons for listing status change Restricted area of distribution and abundance with a decline in number of sub-populations and mature individuals at the national level Severe loss, fragmentation, and degradation of habitat The 2019–20 fires burnt approximately 32% of known and likely distribution 	 Climate change related threats such as increased frequency, extent and severity of bushfires Predation by invasive species Loss of foraging habitat Degradation of habitat by feral herbivores, including horses and deer, reducing the availability of shelter and food Bushfire frequency and severity

Current listing status	Scientific name	Common name	Listing changes 2020 to 2023	Relevant threatening processes in the ACT
Endangered	Petauroides volans	Southern Greater Glider	 2023: Listed as Endangered (previously Vulnerable) Reasons for listing status change Population decline at the national level exceeding 50 percent over a 21-year period (three generations) Population decline and habitat destruction following the 2019–20 bushfires 	 Frequent and/or intense bushfires, especially those resulting in the loss of hollow-bearing and feed trees Post-fire starvation, dehydration and predation Increases in the frequency, intensity and duration of heatwaves associated with climate change National threats Habitat loss, fragmentation through clearing Inappropriate prescribed burning Climate change reducing habitat suitability
Endangered	Phascolarctos cinereus	Koala (Qld/NSW/ ACT population)	 Reasons for listing status change Substantial population reduction at the national level estimated at greater than 50% over the past 20 years (three generations). Decline is expected to be greater as a result of the 2019-20 bushfires Decline is expected to continue into the future with ongoing impacts because of climate change 	 Increased frequency and intensity of drought and incidences of extreme heat known to cause significant mortality and post-drought recovery may be substantially impaired by other threatening factors Frequent and/or intense bushfires Climate change reducing the climatically suitable area for Koalas National threats Loss and fragmentation of habitat Vehicle strike Disease Predation by dogs
Endangered	Rostratula australis	Australian Painted Snipe	Nil	 The loss and degradation of wetlands, through drainage and the diversion of water for agriculture and reservoirs In NSW, the threats are summarised as: Drainage of breeding sites in wetlands (particularly in the Murray-Darling Basin) Reduced water quality from siltation and pollution Predation by foxes and feral cats Use of herbicides, insecticides and other chemicals near wetlands Grazing and associated frequent burning of wetlands Exotic weeds and invasive native plants degrading wetland habitat Poor understanding of the species' breeding ecology
Endangered	Botaurus poiciloptilus	Australasian Bittern	Nil	 The loss or alteration of wetland habitats because of clearing for urban and agricultural development Predation by introduced vertebrate pests such as foxes and cats The primary purpose of urban wetlands (stormwater control) resulting in fluctuating water levels Reduced water quality as a result of increasing salinity, siltation and pollution

Current listing status	Scientific name	Common name	Listing changes 2020 to 2023	Relevant threatening processes in the ACT
Endangered (locally extinct in the wild)	Petrogale penicillata	Brush-tailed Rock- wallaby	Nil	 Historical hunting Introduced predators (primarily, the red fox) Introduced herbivores increase competition (primarily, the feral goat) Bushfire and drought Uncontrolled human disturbance Hydatid disease
Endangered (locally extinct in the wild)	Dasyurus viverrinus	Eastern Quoll	Nil	 National threats Predation by feral cats, red foxes and dogs Disease Non-target poisoning associated with 1080 and rodent control programs Road mortality Extreme weather events associated with climate change
Endangered	Isoodon obesulus obesulus	Southern Brown Bandicoot (Eastern)	Nil	National threats Predation by foxes, feral and domestic cats and to a lesser extent dogs Habitat loss, fragmentation and degradation Too frequent and extensive burning Road mortality Climate change adversely affecting habitat quality Displacement by high rabbit densities Disease, possibly toxoplasmosis Timber harvesting Reduced genetic diversity Poisoning associated with control of non-native predators
Endangered	Pseudomys fumeus	Smoky Mouse	Nil	 Vegetation clearance (loss and fragmentation of habitat) Inappropriate fire regimes Predation (primarily by foxes and cats) Climate change
Endangered	Maccullochella macquariensis	Trout Cod	Nil	 Habitat modification (sedimentation, cold water pollution, clearing or degradation of riparian vegetation) River regulation (reduced flows downstream of dams, inappropriate flow timing) Barriers to fish passage Overfishing Sedimentation Reduction in water quality Alien species Climate change Hybridisation and reduced genetic diversity

Current listing status	Scientific name	Common name	Listing changes 2020 to 2023	Relevant threatening processes in the ACT
Endangered	Bidyanus bidyanus	Silver Perch	Nil	 River regulation (reduction of water flow downstream of dams) Barriers to fish passage Introduced species and disease Habitat modification Reduction in water quality Sedimentation Historical overfishing Climate change
Endangered	Macquaria australasica	Macquarie Perch	Nil	 Habitat modification Dams causing alterations to natural flows, movement barriers and releasing colder hypoxic water (cold water pollution) Sedimentation of streams and reservoirs resulting in decline of habitat quality and quantity, reducing availability of prey, and smothering eggs and preventing their lodgement River regulation causing reduced flows and flow at inappropriate time of year Barriers to fish passage for feeding or breeding habitat because of construction of dams, weirs and road crossings Overfishing Reduction in water quality (including pollutant discharges, changes to thermal regimes and sedimentation) Alien species (e.g. Brown Trout, Rainbow Trout, Carp, Goldfish, Redfin Perch, Eastern Gambusia, and Oriental Weatherloach) Climate change Fire Low genetic diversity Reduction in spawning habitat availability Predation by birds (primarily cormorants)
Endangered	Gentiana baeuerlenii	Baeuerlen's Gentian	Nil	Land clearing and grazing, particularly in times of drought
Endangered	Prasophyllum petilum	Tarengo Leek Orchid	Nil	 Restricted range and population size (one population) Vulnerable to environmental change and localised disturbance Disturbance by Sulphur-Crested Cockatoos Competition or overcrowding from native and non-native species Climate change
Endangered	Rutidosis leptorrynchoides	Button Wrinklewort	Nil	 Habitat loss from agriculture and urban development Small sites are particularly vulnerable to localised disturbance (human activity, roadside maintenance, waste dumping, inappropriate mowing, parking vehicles) Weed invasion Shading and competition with understorey and shrub vegetation Heavy stock grazing Erosion of genetic diversity More frequent drought

Current listing status	Scientific name	Common name	Listing changes 2020 to 2023	Relevant threatening processes in the ACT
Endangered	Swainsona recta	Small Purple Pea	Nil	 Loss, degradation and fragmentation of habitat (as a result of urban development and agriculture) Small, fragmented populations are vulnerable to localised disturbance and stochastic events including climate change, browsing, invasive plants, inappropriate fire regimes, and browsing Reduced genetic diversity
Endangered	Muehlenbeckia tuggeranong	Tuggeranong Lignum	Nil	 The species ability to sexually reproduce appears to be very limited – the plants are predominantly dioecious and only one female plant is known to exist Likely low genetic diversity Physical disturbance (recreational activity, periodic flooding, bushfire, grazing by macropods) Weeds
Endangered	Lepidium ginninderrense	Ginninderra Peppercress	Nil	 Habitat loss from urban development Habitat degradation associated with land management and / or visitor activities Disturbance to the existing drainage patterns
Endangered	Bossiaea grayi	Murrumbidgee Bossiaea	Nil	 Population range reduction and further fragmentation of populations Dieback (unknown cause) Weed infestation Mechanical disturbance associated with forest harvesting
Vulnerable	Hirundapus caudacutus	White-throated Needletail	 2020: Listed as Vulnerable (new listing) Reasons for listing status change Total numbers have undergone a substantial reduction nationally (>30–50% over 3 generations – 25.5 years). This decrease is ongoing and the causes are not understood. 	 National threats Collision with wind turbines, overhead wires, windows and lighthouses Insecticide use, especially organochlorides, reducing prey or causing secondary poisoning Habitat loss and fragmentation causing the loss of roosting sites and possible reduction in prey Logging and hunting in the Northern Hemisphere breeding areas
Vulnerable	Petaurus australis australis	Yellow-bellied Glider (South- eastern)	 2023: Listed as Vulnerable (new listing) Reasons for listing status change Population reduction at the national level with a decrease of at least 30% across its entire distribution over the past 12–15 years (three generations) Habitat destruction following the 2019–20 bushfires Continued population decline because of land clearing, fragmentation, extensive severe fires, and climate change 	National threats Climate change Altered fire regimes Tree clearing and fragmentation, including from timber harvesting Invasive species predation Mortality by barbed wire fencing Habitat degradation by feral deer Dieback caused by Phytophthora cinnamomi

Current listing status	Scientific name	Common name	Listing changes 2020 to 2023	Relevant threatening processes in the ACT
Vulnerable	Pycnoptilus floccosus	Pilotbird	 Reasons for listing status change Major decline in abundance at the national level with a likely population decrease of 30 to 50% (and greater than 50 percent decline in habitat) over the last 11 years (three generations), mainly caused by the widespread 2019–20 bushfires across south-eastern Australia The ongoing risk of frequent, large extent, high intensity bushfires which are projected to increase 	Loss of habitat from bushfires Predation by feral cats and foxes is a potential threat to the species, especially following fire
Vulnerable	Melanodryas cucullata cucullata	Hooded Robin	Nil	 Loss and modification of grassy woodland habitat Loss of perching sites essential for foraging (removal of timber and litter) High levels of nest predation Inappropriate fire regimes Predation by feral and/or uncontrolled domestic animals (foxes, dogs and cats) Invasion of key habitats by introduced pasture and weeds Uncontrolled grazing by livestock Clearing of both living and dead trees Rural tree dieback
Vulnerable	Polytelis swainsonii	Superb Parrot	Nil	 Habitat loss Climate change Nest competition Secondary/potential threats: urbanisation, vehicle strike, predation, poisoning, illegal trade, Psittacine beak and feather disease
Vulnerable	Climacteris picumnus victoriae	Brown Treecreeper	Nil	 Decline in quality and quantity of woodland habitat Removal of fallen timber and litter and inappropriate fire regimes Predation by feral and/or uncontrolled domestic animals (foxes, dogs and cats) Invasion of key habitats by introduced pasture and weeds Uncontrolled grazing by livestock Clearing of both living and dead trees Rural tree dieback
Vulnerable	Grantiella picta	Painted Honeyeater	Nil	 Habitat loss through clearing of breeding and non-breeding habitat Habitat degradation by grazing of livestock, native macropods and rabbits and lack of recruitment Removal of mistletoe from trees on rural land and in production forests Competition with the aggressive Noisy Miner Nest predation by overabundant Pied Currawongs, Pied and Grey Butcherbirds, and ravens

Current listing status	Scientific name	Common name	Listing changes 2020 to 2023	Relevant threatening processes in the ACT
Vulnerable	Daphoenositta chrysoptera	Varied Sittella	Nil	 Decline in the quantity and quality of woodland habitat Tree clearing, small-scale clearing for fence lines and road verges, tidying up on farms, firewood collection Rural tree decline Loss of paddock trees Overgrazing Fragmentation of habitat Invasive weeds
Vulnerable	Lalage tricolor	White-winged Triller	Nil	 Decline in the quality and quantity of woodland habitat Removal of fallen timber and overgrazing leading to a loss of complexity
Vulnerable	Hieraaetus morphnoides	Little Eagle	Nil	 Decline in the quality and quantity of woodland habitat Urbanisation and associated human activity Increased competition for food and nest sites with Wedge-tailed Eagles Use of pindone for rabbit control (potential)
Vulnerable	Calyptorhynchus lathami lathami	Glossy Black- cockatoo	Nil	 Degradation, loss and fragmentation of foraging and breeding habitat The loss of canopy seed banks of feed trees by clearing or regular burning, as well as poor regeneration of these trees because of grazing Predation and competition for nest hollows (potential) Illegal harvesting (potential) Climate change
Vulnerable	Petroica boodang	Scarlet Robin	Nil	 Open forest/woodland habitat loss and degradation Predation (native and non-native species) Climate change Competition (e.g. noisy miners)
Vulnerable	Dasyurus maculatus maculatus	Spotted-tailed Quoll	Nil	 Habitat loss, fragmentation and degradation Competition and predation Poisoning Killing by humans
Vulnerable	Mastacomys fuscus mordicus	Broad-toothed Rat (mainland)	Nil	National threats Climate change Too frequent burning Habitat loss, fragmentation and degradation because of feral herbivores Weed invasion Competition with native rodents for food Predation by foxes and feral cats
Vulnerable (locally extinct in the wild)	Pseudomys novaehollandiae	New Holland Mouse	Nil	 National threats Inappropriate fire regimes Predation by feral cat and red foxes Habitat loss, fragmentation and degradation Lower rainfall and more frequent droughts related to climate change

Current listing status	Scientific name	Common name	Listing changes 2020 to 2023	Relevant threatening processes in the ACT
Vulnerable	Pteropus poliocephalus	Grey-headed Flying-fox	Nil	 Entrapment in fine gauge netting loosely draped over backyard fruit trees Loss of foraging and roosting habitat through clearance of vegetation for development or agriculture
				Climate change
Vulnerable (locally	Litoria raniformis	Southern Bell Frog	Nil	National threats
extinct)				Habitat loss and degradation
				Barriers to movement
				• Predation
				• Disease
				Exposure to biocides
/ulnerable	Litoria verreauxii	Alpine Tree Frog	Nil	National threats
	alpina			 Infection with amphibian chytrid fungus
				Trampling by feral horses and cattle
				 Invasion of alpine bogs and fens by pest species
				• Weeds
				• Pollution
				Changes to natural water flows
				 Climate change including increased UV-B radiation
				 Habitat loss through fire, construction and development
Vulnerable (locally	Litoria aurea	Green and Golden	Nil	National threats
extinct)		Bell Frog		 Habitat destruction, degradation and fragmentation
				Changes to the structure and diversity of aquatic vegetation
				 Predation of eggs and tadpoles by plague minnow and, to a lesser extent,
				European Carp, Goldfish, Brown Trout and Rainbow Trout
				 Infection with amphibian chytrid fungus
				Changes to hydrology, including inappropriate opening of coastal lagoon
				estuaries and changes to flow/flooding regimes of streams and wetlands
				Changes to water quality
				Intensification of public access to habitat
/ulnerable	Aprasia	Pink-tailed Worm-	Nil	Loss and fragmentation of habitat by urban development and associated
	parapulchella	lizard		infrastructure
	' '			 Incompatible and inadequate land management practices, including fertilizer
				application, overgrazing and the spread of invasive weeds
				Inappropriate fire regimes
				Removal of loose surface rock
				 Predation (by native and exotic species)
				Build-up of vegetation biomass and leaf litter altering thermoregulatory
				opportunities

Current listing status	Scientific name	Common name	Listing changes 2020 to 2023	Relevant threatening processes in the ACT
Vulnerable	Delma impar	Striped Legless Lizard	Nil	 Loss and fragmentation of habitat through clearing of native grasslands for urban, industrial and infrastructure development and for agricultural purposes Modification and degradation of native grassland habitat through incompatible and inadequate land management practices, weed invasion Other potential effects of urbanisation, including increased incidence of predation and frequency of fires Climate change
Vulnerable	Gadopsis bispinosus	Two-spined Blackfish	Nil	 Habitat modification River regulation Barriers to fish passage Sedimentation Reduction in water quality Introduction of alien species Climate change Fire Reduction in spawning habitat availability
Vulnerable	Euastacus armatus	Murray River Crayfish	Nil	 Overfishing Removal of riparian vegetation Sedimentation River regulation Residential development Reduction in water quality Fires Invasive species and disease Climate change
Vulnerable	Synemon plana	Golden Sun Moth	 Reasons for listing status change Since the initial listing, knowledge of the species distribution and habitat has improved with increased survey effort in proposed development areas and an increased conservation interest Initially listed as endangered because of a limited area of occupancy estimated at 8.8 km², this is now estimated to be at least 1,596 km², meeting the Vulnerable threshold 	 Habitat loss and fragmentation through urban development Grassland habitat degradation through weed invasion, reducing the density and quality of larval food sources Removal of Chilean Needle Grass. Although this is a Weed of National Significance, it has become an additional food source Grassfire or inappropriate fire regimes, especially within the pupation and flight period Inappropriate disturbance regime leading to herbage mass extremes (e.g. the accumulation of biomass and tall grass or the formation of a very short sparse vegetation) Land management such as pasture improvement, ploughing or excessive fertiliser use Shading by plantings or by buildings that alter ideal soil temperature and moisture necessary for successful life cycle. Herbicides and pesticides Altered drainage Impacts of climate change on extreme temperatures and drought

Current listing status	Scientific name	Common name	Listing changes 2020 to 2023	Relevant threatening processes in the ACT
Vulnerable	Perunga ochracea	Perunga Grasshopper	Nil	Loss, fragmentation and degradation of grassland habitatClimate change
Vulnerable	Eucalyptus aggregata	Black Gum	Nil	 Mortality as a result of habitat clearance Suppression of gene flow because of habitat fragmentation Lack of recruitment and genetic hybridisation
Vulnerable	Pomaderris pallida	Pale Pomaderris	Nil	 National threats Rural residential development, weed competition (particularly blackberry), browsing by feral goats and inappropriate fire regimes Increasing fragmentation and loss of remnants NSW threats Browsing by other feral animals including deer, goats, and potentially horses, and grazing by livestock and kangaroos Sediment runoff from fire trails Flood damage in smaller riparian populations where frequent flooding may disrupt the lifecycle to the extent that the soil seedbank may be affected Low genetic diversity in isolated small populations that are likely to be at higher risk of loss from stochastic events Lack of knowledge regarding dormancy thresholds, seed vigour and seedling and plant performance for this species
Vulnerable	Thesium australe	Austral Toadflax	Nil	 Small populations and numbers make them susceptible to impacts Heavy grazing Development of dense shrub or tree cover Loss and degradation of habitat and/or populations Weed invasion
Regionally Conservation Dependent (locally extinct in the wild)	Bettongia gaimardi	Eastern Bettong	Nil	 National threats Predation by foxes (and feral cats) Habitat clearing/fragmentation of its dry forest and woodland habitat Habitat degradation and competition from livestock/introduced herbivores including overgrazing by livestock and rabbits Inappropriate fire regimes Viral or other diseases Climate change