

A BEGINNERS GUIDE TO

Frog

Identification



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Two families of native frogs are found in Australia – tree frogs (Hylidae) and ground frogs (Myobatrachidae).

Tree frogs are typically agile frogs that spend some of their time in trees or other vegetation, and use their sticky toe pads to climb. However, there are some species of tree frog that spend most or all of their time on the ground – like the Growling Grass Frog (*Litoria raniformis*).

The ground frog family includes a large number of frog species with many different lifestyles and adaptations. Ground frogs have the ability to burrow, which helps them survive in Australia's hot and dry conditions. Even ground frogs living in Melbourne's cooler climate like to burrow – with some occasionally dug up in backyards.



Family

A family is a broad group of closely related animals.

Genus

A genus is a defined 'type' of animal with distinct populations.

Species

Within a genus there are different species. There are six species of *Litoria* in Melbourne. They are all tree frogs, but all distinct from each other.

Common Froglet



The Common Froglet is a frog that you are likely to hear or see in Melbourne. A small frog with highly variable colouration and patterns in shades of brown, the Common Froglet's belly is patterned in black and white. Usually found in habitats near water, the males call from the water's edge and can be heard year round – at any time of day. The frog's call is a low-pitched, ratchet-like croak. Like their relative the Eastern Sign-bearing Froglet, the Common Froglet has fringing on the toes, rather than webbing.

Call: A little like a percussion instrument or the chirping of crickets. "crick, crick, crik, crik, crick"

Common Froglet

Family	<i>Myobatrachidae</i>
Genus	<i>Crinia</i>
Species	<i>signifera</i>



Size

20mm –
30mm

Key identifying features

Small, ground-dwelling frog.
Brown colours with variable patterns.
Ratchet-like call.

Location



Secure



All year



Habitat



Colour



Common Spadefoot Toad



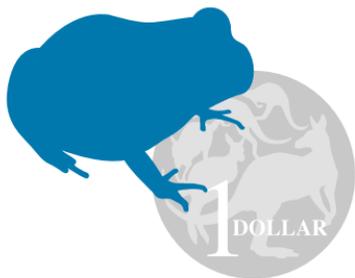
With its colour ranging from grey, green or yellow to a reddish-brown, the Common Spadefoot Toad is a small, burrowing frog with big, bulging eyes. Featuring a special spade-like structure on its foot to assist with burrowing, this species can be distinguished from other burrowing frogs, such as the Eastern Banjo Frog, by its vertical pupils and fully webbed toes. During the breeding seasons (autumn and spring), the males call while floating in still water. Despite being referred to as a 'toad' in its common name, the Common Spadefoot Toad is really a frog. The only true toad found in Australia is the introduced Cane Toad.

Call: Purring, clicking sound that rises in pitch.

To-to-to-to-tik-tik-tik—tick—tick

Common Spadefoot Toad

Family *Myobatrachidae*
Genus *Neobatrachus*
Species *sudelli*



Size

Up to
30mm

Key identifying features

Small, burrowing frog.
Bulging eyes with vertical pupils.

Location



Secure



Feb-Nov



Habitat



Colour



Eastern Banjo Frog

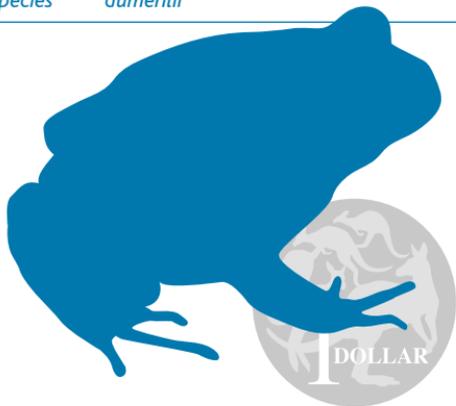


The Eastern Banjo Frog is a large burrowing frog quite common in the Melbourne area. Its scientific name – *Limnodynastes* – means 'lord of the swamp'. It can be identified by its large size (up to 70mm), a prominent oval-shaped gland on the top of the hind legs and a white or mottled belly. The frog's colouration is highly variable – ranging from light greys to greens, browns or black. It has a light, raised line running from below the eye to above the shoulder and a distinctive call. When a large group of males is calling it really does sound like the frog's common name... 'Pobblebonk'.

*Call: Distinctive single-note 'bonk' call sounds a bit like plucking a slack-stringed banjo.
"Bonk... bonk... pobble-bonk"*

Eastern Banjo Frog

Family *Myobatrachidae*
Genus *Limnodynastes*
Species *dumerilii*



Size

Up to
70mm

Key identifying features

Large burrowing frog.
Oval-shaped gland on upper
hind legs.
Pale, raised stripe under eye.

Location



Secure



All year



Habitat



Colour



Eastern Dwarf Tree Frog



Originally a native of Queensland and New South Wales, the Eastern Dwarf Tree Frog has been unintentionally introduced to Victoria by stowing away in banana boxes. Despite being used to warmer climates, breeding pairs have established themselves in the Melbourne area. This is a small frog, green and brown in colour, with a white stripe that begins under its eye and joins the pale belly. Its toes are almost fully webbed with distinct toe pads for climbing. If you identify an Eastern Dwarf Tree Frog, please report it to the Melbourne Water Frog Census.

Call: Insect like series of drawn out, then repeated buzzing tones. "Reee bip bip, ree bip bip bip"

Eastern Dwarf Tree Frog

Family *Hylidae*
Genus *Litoria*
Species *fallax*



Size

25mm

Key identifying features

Very small, green tree frog.
White stripe from under the eye to belly.

Location



Secure



All year



Habitat



Colour



Eastern Sign-bearing Froglet



The Eastern Sign-bearing Froglet is a small, ground dwelling species. Like its relative the Common Froglet, this frog has highly variable colouration and patterns – generally in tones of brown – with a grey belly and sometimes dark speckles. Both species of *Crinia* found in Melbourne have fringing on their toes, rather than webbing. Unlike the Common Froglet, the Eastern Sign-bearing Froglet is rarely reported in the Melbourne area. The only way to distinguish these two species is by listening to and comparing their calls. Males call all year round from the water's edge rather than from in the water itself.

*Call: High pitched squawk-like call.
"Nyeeeah... nyeeeah... aank-nyeeeah"*

Eastern Sign-bearing Froglet

Family	<i>Myobatrachidae</i>
Genus	<i>Crinia</i>
Species	<i>parinsignifera</i>



Size

Up to
25mm

Key identifying features

Small, ground-dwelling frog.
Brown colours with variable patterns.
Squawk-like call.

Location



Secure



All year



Habitat



Colour



Growling Grass Frog

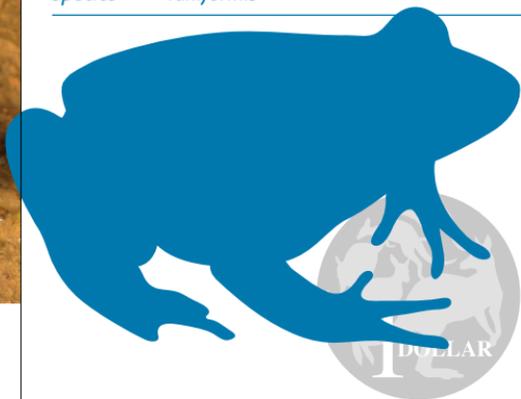


A large, handsome frog that varies in colour from a dark moss-green to a bright lime-green, the Growling Grass Frog population has declined significantly in the past decade and is classified as endangered in Victoria. Despite being a member of the tree frog family, the Growling Grass Frog is a ground dweller that feeds on small prey including other frogs and can be distinguished by its large size and warty back. Males call from August to April.

Call: Deep, stuttering, guttural growl like an engine not quite starting. "Grrruh-uh-uh-urk. Grrruh-uh-uh-urk. Grrruuurk"

Growling Grass Frog

Family *Hylidae*
Genus *Litoria*
Species *raniformis*



Size

Up to
100mm

Key identifying features

Large, ground-dwelling
tree frog.
Groin and thighs are
bright blue.

Location



Endangered



Aug-Apr



Habitat



Colour



Lesueur's Frog



Also known as the Rocky River Frog, Lesueur's Frog has adapted to living in the rocky river and stream habitats North-west of Melbourne. Usually shades of brown in colour, during breeding season the males turn a bright yellow to impress potential mates. Its groin and thighs have yellow and black patterning which distinguishes this species from other similar tree frogs. The tadpoles of this species have mouthparts that act like a suction cup to prevent them from getting washed away in the rivers and streams they inhabit. Males have been heard calling from August until May.

Call: *Machine like purring sound.*
"Nyuh-gruh-gruh-gruh-gruh"

Lesueur's Frog

Family *Hylidae*
Genus *Litoria*
Species *lesueuri*



Size

Up to
30mm

Key identifying features

Small, brown tree frog.
Yellow and black blotches
on groin.
Toe pads wider than digits.

Location



Secure



Aug-May



Habitat



Colour



Peron's Tree Frog

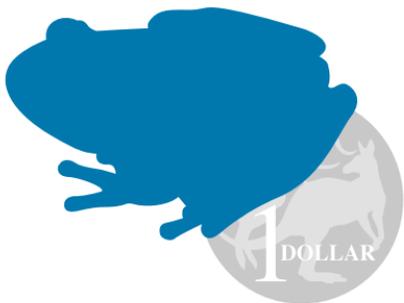


Peron's Tree Frog is mostly found to the North-east of Melbourne but is occasionally spotted in unexpected locations. Varying from greys and browns to almost white in colour, the frog is able to change its colour based on temperature, mood and time of day. Its armpits, groin and thighs are coloured with a yellow and black marbled pattern, and its distinctive cross shaped pupils are unique amongst Melbourne's frogs. This frog is a very nimble climber and can be found long distances away from water. Males call from September to January.

Call: Chattering, descending cackle.
"Grah-a-a-a-ah-ah-ah-ah-aah-aah-aah-aaaah-aaaah"

Peron's Tree Frog

Family *Hylidae*
Genus *Litoria*
Species *peronii*



Size

45mm

Key identifying features

Medium sized, light coloured tree frog.
Cross-shaped pupils.

Location



Secure



Sept-Jan



Habitat



Colour



Red-groined Froglet



A fine, pale stripe down their back and red thighs, arms and groin distinguishes the Red-groined Froglet from other species - hence their common name. Typically a shade of brown and growing to 30cm in length, the Red-groined Froglet can be found hiding under rocks in wooded areas such as scrubby forest, swamp and heathland. Not often found in Melbourne, the Red-groined Froglet is most commonly found in coastal habitats in South-eastern Victoria.

Call: Single, high 'honk' note that sounds a bit like a duck quacking in the distance. "Gr-ank....Gr-ank...Gr-ank"

Red-groined Froglet

Family *Myobatrachidae*
Genus *Paracrinia*
Species *haswelli*



Size

Up to
30mm

Key identifying features

Small, brown
ground-dwelling frog.
Bright red patches on groin.

Location



Secure



All year



Habitat



Colour



Southern Brown Tree Frog

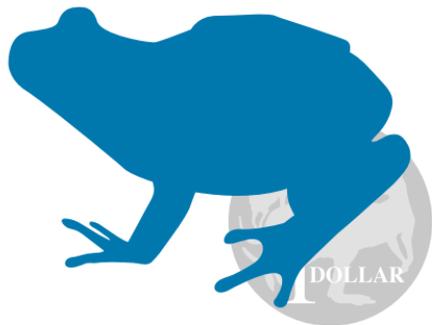


One of Melbourne's most common frog species, the Southern Brown Tree Frog is a great climber and jumper. This small frog is typically a shade of brown, although there are some rare green individuals. Featuring a dark line on their face from the nostril, through the eye to the shoulder, this frog has toe pads a little wider than its digits and partially webbed toes. They are at home in suburban areas and are often responsible for tadpoles found in swimming pools. Its call can be heard all year round, particularly after it has rained.

Call: *Low-pitched, gravelly repeated whistling.*
"Cree-cree-cree-cree-cree-cree-cree"

Southern Brown Tree Frog

Family	<i>Hylidae</i>
Genus	<i>Litoria</i>
Species	<i>ewingii</i>



Size

30mm –
50mm

Key identifying features

Small, brown tree frog.
Dark line from snout to
shoulder. Toe pads a little
wider than digits.

Location



Secure



All year



Habitat



Colour



Southern Toadlet



The Southern Toadlet is a frog that would rather walk than hop. This little ground-dwelling frog looks very plain at first glimpse, but hidden on their belly is a striking marble pattern in bright orange, black and white. The Southern Toadlet is quite toxic and able to produce its own toxin as well as accumulate toxic compounds from its diet. Males begin calling in autumn with low, repeated creaking noises. In decline in Victoria, the Southern Toadlet is classified as vulnerable.

Call: Low repeated creaking noise.

"Uhk... ahk... Uhk... ahk..."

Southern Toadlet

Family	<i>Myobatrachidae</i>
Genus	<i>Pseudophryne</i>
Species	<i>semimarmorata</i>



Size

Up to
30mm

Key identifying features

Small, brown
ground-dwelling frog.
Bright and black marbled
patterns on belly.

Location



Vulnerable



Autumn



Habitat



Colour



Spotted Marsh Frog

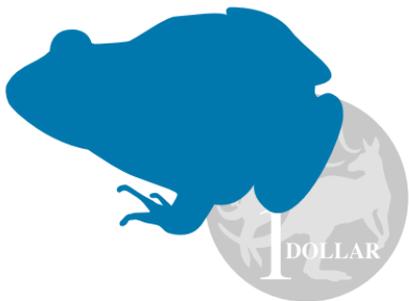


Widespread throughout South-eastern Australia, the Spotted Marsh Frog shelters during the day under debris such as rocks and wood. It can be found in grasslands, bushland and towns or suburban areas. This frog is characterised by irregular spots and blotches, with its eye a golden colour. At 45mm in length, the Spotted Marsh Frog is smaller than its relatives the Banjo Frog and Striped Marsh Frog. Males conceal themselves in the vegetation at the edge of ponds and lakes and can be heard calling almost all year round.

Call: Single note click like two stones being banged together. Some can have a rapid-fire call of around five clicks in quick succession. "Click... Click... Click... Click..."

Spotted Marsh Frog

Family	Myobatrachidae
Genus	Limnodynastes
Species	tasmaniensis



Size

45mm

Key identifying features

Blotchy spotted patterns.
Clicking call.

Location



Secure



All year



Habitat



Colour



Striped Marsh Frog

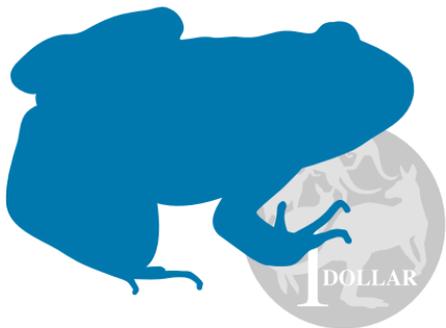


The Striped Marsh Frog is similar in shape to its cousin, the Spotted Marsh Frog, but has distinctive stripy patterning in dark shades of brown (rather than spots) and is larger – growing up to 65mm. Some frogs feature a thin, pale stripe running down their spine. The top half of their eye is gold, while the bottom half is brown. The Striped Marsh Frog will inhabit any body of water from roadside ditches to flooded grasslands. Males can be heard calling almost all year round.

Call: Sharp, one note 'bok' similar to the call of a chicken or a tennis ball being hit with a racket. "Bok... bok... bok..."

Striped Marsh Frog

Family *Myobatrachidae*
Genus *Limnodynastes*
Species *peronii*



Size

Up to
65mm

Key identifying features

Striped patterns.
Sharp 'bok'-like call.

Location



Secure



All year



Habitat



Colour



Victorian Smooth Froglet



The Victorian Smooth Froglet is a brown, ground-dwelling frog found in a variety of habitats including woodlands, grasslands and farms. Distinguished by patches of pink colouration on the upper legs and a lack of fringing or webbing on the toes, it is a small frog – growing not much bigger than 35mm. The Victorian Smooth Froglet is generally very secretive and usually only detected by its distinctive call. Males call almost all year round, apart from the coldest winter months – July and August.

*Call: Distinctive call that starts with a squawk followed by repeated 'pipping' sounds.
"Grraaawk pip pip pip pip pip"*

Victorian Smooth Froglet

Family	Myobatrachidae
Genus	Geocrinia
Species	victoriana



Size

Up to
35mm

Key identifying features

Small, ground-dwelling frog.
Call is a squawk followed by
pipping sounds.

Location



Secure



Sept–June



Habitat



Colour



Whistling Tree Frog

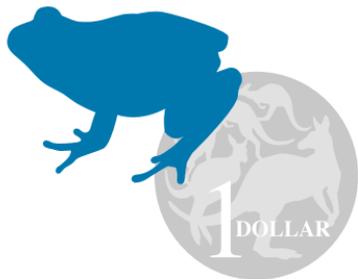


This brown tree frog is very similar to its relative the Southern Brown Tree Frog, but smaller – growing no larger than 30mm. Conspicuous dark blotches on the groin and toe pads the same width as its digits can also distinguish the Whistling Tree Frog from the Southern Brown Tree Frog. Males call from the edge of bodies of water – either hiding in vegetation or floating in the water. In areas with mild weather, males will call all year round. The frog's call is similar to the Southern Brown Tree Frog, but higher pitched.

Call: *High pitched repeated whistle that sounds like a bird. "Weeep-weeep-weeep-weeep-weeep-weeep-weeep"*

Whistling Tree Frog

Family	<i>Hylidae</i>
Genus	<i>Litoria</i>
Species	<i>verreauxii verreauxii</i>



Size

Up to
30mm

Key identifying features

Small, brown tree frog.
Dark blotches on groin.
Toe pads same width as digits.

Location



Secure



All year



Habitat



Colour



Further information

Melbourne Water Frog Census
<http://frogs.melbournewater.com.au>

The Amphibian Research Centre
<http://frogs.org.au>

Frogs Australia Network
<http://frogsaustralia.net.au>

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1998. Martyn Robinson. Reed Books

Tadpoles of South-Eastern Australia: a guide with
keys 2002. Marion Anstis. Reed New Holland



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