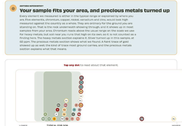
Hi Carson,

Let's see what's in your dirt!

Northcote | Australia-wide

What we found in your sample



Soil Texture Classification

Your sample fits your area, and precious metals turned up

Your Northcote sample is a sandy clay loam (sandy clay in mechanical terms) with 29% clay and 68% sand. Clay loams are the most common soil type in the Northcote area, and this sample sits right in the middle of the range — not too clay-heavy, not too sandy. It's the most balanced texture you'll get in this region.

Soil pH came in at 6.2, which is slightly acidic but well within the normal range for Victorian loams. Soil pH can vary a lot over short distances, so this reading is a good snapshot of the spot you sampled, but it may shift a few tenths of a unit elsewhere on the property. Most plants are happiest between 6.0 and 7.0, and this sample is right at the edge of that sweet spot.

We also detected trace amounts of gold and silver. Don't get excited — these are present in almost every soil on Earth, but it's a nice bonus to know they're there.

Soil pH
Slightly acidic
6.2

Soil texture
Sandy clay loam

Dominant mineral
Quartz + Kaolinite

Soil color
Brown

Precious metals
Gold + Silver

Soil structure
Weak granular

Soil organic matter
Low

Drainage
Free draining

Getting to know your dirt

Here's a closer look at what you sent us and some strange clues shaped like it. Welcome.

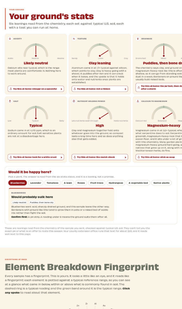
Your sample's origin story

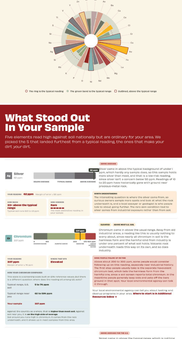
Volcanic

Basaltic/Basalt Clays

Iron, magnesium, chromium and nickel all came in high together, which is the fingerprint of soil that formed from volcanic rock. This is a strong clue that your sample's parent material is from volcanic rock, or has been mixed in the soil's.

Chromium, nickel and magnesium in the amount of everything else, which is the fingerprint of soil that formed from volcanic rock. This is a strong clue that your sample's parent material is from volcanic rock, or has been mixed in the soil's.





Concentration of trace elements
Trace elements can be found in minerals, rocks and soil. Some of these are essential for plant growth, while others can be toxic in high amounts.

Nickel (Ni) 0.0 | Chromium (Cr) 0.0 | Cobalt (Co) 0.0 | Vanadium (V) 0.0 | Manganese (Mn) 0.0 | Titanium (Ti) 0.0

What's a pure?

Pure is a measure of how much of a sample is made up of a single mineral. Higher numbers mean a purer sample.

Pure 0.0

Your ground's stats

We rearrange input from the chemistry test set against typical GIS, and each test is listed and sort out below.

Typical
High
Magnesium-heavy

Would it be happy here?

Based on your soil's chemistry, here's how well it matches up to common plants:

Recommended: Australian native bush herb

Why it suits your soil: Australian native bush herbs are drawn to grow in soil that matches the pH and nutrient profile of your sample. Your soil's pH of 6.2 is right in the sweet spot for most native species, and the sandy clay loam texture gives them the drainage they need.

Plants are rearranged from the chemistry test of the sample you sent. Standard tests for soil. Pick a plant for one that you'd like to grow, and we'll tell you how well your soil's chemistry matches what it needs. Click on a plant to see more about it.

Element Breakdown Fingerprint

Every balance has a fingerprint. This is yours. It takes a little like an eye, and it's made like a map. Each point on the outer ring represents a different element in the soil. The closer a point is to the edge, the more of that element was found in your sample. The shape you see is unique to your soil — no two soils look exactly the same. Scientists call this a radar chart, but we think **this one looks** like a bad shape, that's awesome.

The ring is the typical reading. The green line is the typical range. Outlines above the typical range.

What Stood Out In Your Sample

Some elements in your sample were significantly and are ordinary for your area. We placed the 3 that ranked furthest from a typical reading, the ones that make your dirt your dirt.

Silicon 50 ppm

Aluminium 50 ppm

Calcium 50 ppm

What's Under Your Feet

Your soil is a layer cake, and we've dug down to see what's in each layer. Each layer tells a story about what's been happening in your area for thousands of years. Here's what we found.

Your Soil's Neighbourhood

Soil doesn't exist in isolation. It's part of a whole ecosystem of plants, animals, water and weather. Here's what's around your sample.

Your Soil's Personality

Every soil has a personality. Yours is a little like a person who...

Your soil's superpowers

Every soil has strengths. Here's what yours is good at.

Your soil's challenges

Every soil has challenges. Here's what yours struggles with.

Your soil's relationships

Soil doesn't work alone. Here's who it plays well with.

Your soil's health

Soil can get sick, just like people. Here's how yours is doing.

Your soil's future

Soil changes over time. Here's what's likely to happen to yours.

Your soil's family tree

Soil has a family tree, just like you. Here's where yours comes from.

Your soil's neighbours

Soil doesn't live in isolation. Here's what's around yours.

Your soil's report card

Here's how your soil scores on the things that matter most.

Your soil's secrets

Every soil has secrets. Here's what yours is hiding.

Your soil's to-do list

Here's what your soil needs to be happy and healthy.

Your soil's fun facts

Here are some fun facts about your soil that you can share with friends.

Your soil's final word

Here's what we think about your soil overall.

Your soil's legacy

Here's what your soil will leave behind when it's gone.

Your soil's epitaph

Here's what we'll write on your soil's tombstone.

Your soil's obituary

Here's the full story of your soil's life and death.

Your soil's eulogy

Here's what we'll say about your soil at its funeral.

Your soil's memorial

Here's how we'll remember your soil.

Your soil's afterlife

Here's what happens to your soil after it's gone.

Your soil's reincarnation

Here's what your soil will become next.

Your soil's karma

Here's how your soil's actions will affect the world.

Your soil's dharma

Here's your soil's purpose in life.

Your soil's moksha

Here's how your soil will achieve liberation.

Your soil's nirvana

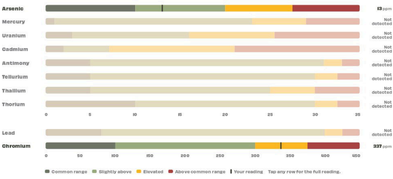
Here's how your soil will achieve enlightenment.

Your soil's samsara

Here's how your soil will be reborn

Toxic Heavy Metals

We screened for all ten, and found two in this sample. The other eight did not show up. Chromium came in above the usual range, which is ordinary for soil near you, and it is explained below.



This is a screening result on the sample you sent us, not an assessment of your property.

EVERY ELEMENT

Complete list of elements

All 29 elements this kit found in your sample, one row each. Sort them however you like, and tap a row to read about that element.

O	Oxygen No. 8	596,170 ppm 60% of the sample	TYPICAL RANGE
Si	Silicon No. 14	227,044 ppm 23% of the sample	TYPICAL RANGE
Al	Aluminum No. 13	70,226 ppm 7.0% of the sample	TYPICAL RANGE
Fe	Iron No. 26	42,520 ppm 4.3% of the sample	TYPICAL RANGE
Mg	Magnesium No. 12	15,321 ppm 1.5% of the sample	TYPICAL RANGE
Ca	Calcium No. 20	13,244 ppm 1.3% of the sample	TYPICAL RANGE
Na	Sodium No. 11	11,170 ppm 1.1% of the sample	TYPICAL RANGE
K	Potassium No. 19	8,098 ppm	TYPICAL RANGE
Ti	Titanium No. 22	4,332 ppm	TYPICAL RANGE
P	Phosphorus No. 15	1,181 ppm	TYPICAL RANGE
Mn	Manganese No. 25	745 ppm	TYPICAL RANGE
S	Sulfur No. 16	533 ppm	TYPICAL RANGE
Ba	Barium No. 56	530 ppm	TYPICAL RANGE
Cr	Chromium No. 24	337 ppm	ELEVATED
V	Vanadium No. 23	178 ppm	ABOVE AVERAGE
Sr	Strontium No. 38	175 ppm	TYPICAL RANGE
Zn	Zinc No. 30	171 ppm	ABOVE AVERAGE
Ni	Nickel No. 28	103 ppm	ABOVE AVERAGE
Cu	Copper No. 29	91 ppm	ABOVE AVERAGE
Cl	Chlorine No. 17	80 ppm	TYPICAL RANGE
Ce	Cerium No. 58	64 ppm	TRACE
Ag	Silver No. 47	62 ppm	ABOVE AVERAGE
Zr	Zirconium No. 40	54 ppm	TRACE
La	Lanthanum No. 57	45 ppm	TRACE
Nd	Neodymium No. 60	36 ppm	TRACE
Rb	Rubidium No. 37	32 ppm	TYPICAL RANGE
Y	Yttrium No. 39	21 ppm	TYPICAL RANGE
As	Arsenic No. 33	13 ppm	SLIGHTLY ABOVE
Au	Gold No. 79	4 ppm	TRACE

Elements Not Found

We looked for 50 more and found none in this sample.

Ac Actinium	Sb Antimony	At Astatine	Bi Bismuth
Br Bromine	Cd Cadmium	Cs Cesium	Co Cobalt
Dy Dysprosium	Er Erbium	Eu Europium	F Fluorine
Fr Francium	Gd Gadolinium	Ga Gallium	Ge Germanium
Hf Hafnium	Ho Holmium	In Indium	I Iodine
Ir Iridium	Pb Lead	Lu Lutetium	Hg Mercury
Mo Molybdenum	Nb Niobium	Os Osmium	Pd Palladium
Pt Platinum	Po Polonium	Pr Praseodymium	Pm Promethium
Pa Protactinium	Ra Radium	Re Rhenium	Rh Rhodium
Ru Ruthenium	Sm Samarium	Sc Scandium	Se Selenium
Ta Tantalum	Te Tellurium	Tb Terbium	Tl Thallium
Th Thorium	Tm Thulium	Sn Tin	W Tungsten
U Uranium	Yb Ytterbium		

ONE MORE THING

Curious what the next spot says?

Your kit covered everything we screen for. Soil changes a lot over short distances, though. A sample from another corner of the same ground often reads quite differently, and comparing the two tells you more than either one on its own.

Test a second spot

The back fence, the garden bed, the low corner that stays wet. Each one is its own report.

New kit

Order another kit

Additional Resources

The kinds of people and services customers generally consider when something in a report catches their interest, and what each of them does.