

data poetics

Kate Sweetapple
School of Design
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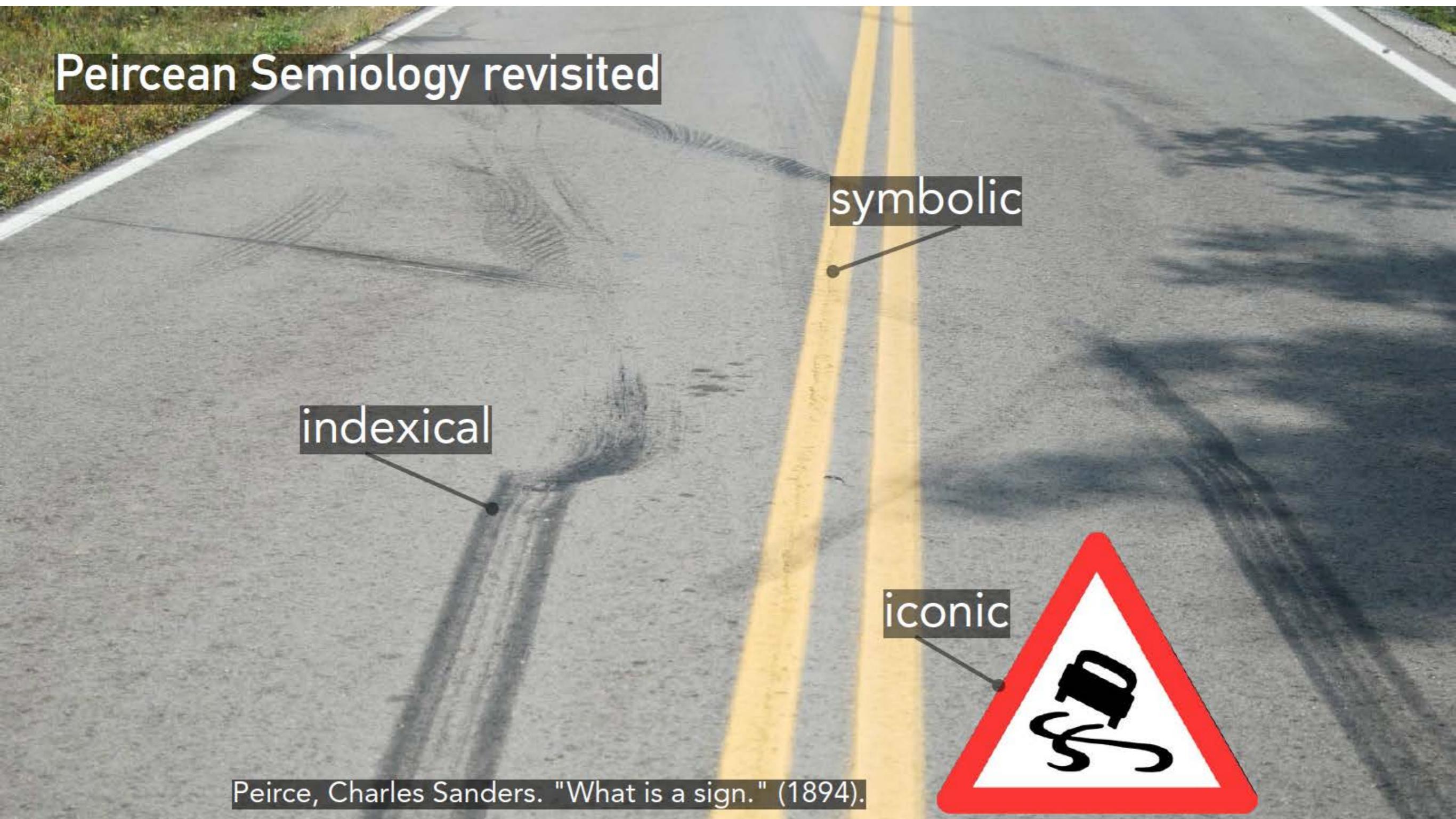
data visualisation

analysis
accuracy
efficiency
usability
aggregation
quantification
impartiality

data poetics

experiential
exploratory
experimental
'affect'
partial
idiosyncratic

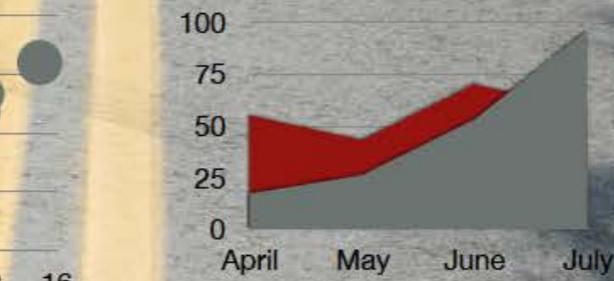
Peircean Semiology revisited



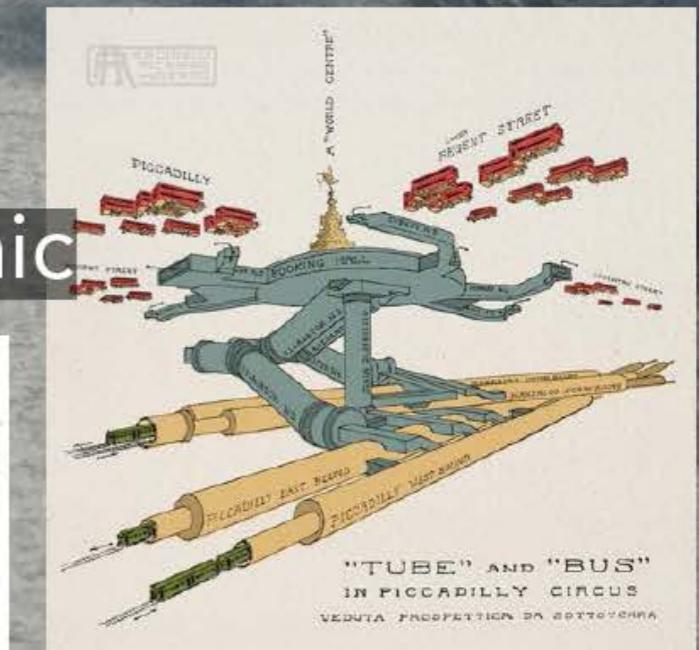
indexical



symbolic



iconic



incidental data

UTS Gallery 2010

Incidental Data
2nd August - 2nd September 2012





Stacey Green
Lipsticks 1992–1993
2 digital prints on aluminium



Wendy



Maradee



Rosie



Ellen



Simona



Beth



Wendy



Simona



Ellen



Maradee



Tim Knowles



Tim Knowles
Mk 3 Postal Drawing
London-Sydney 2011



Tim Knowles
*Larch on Easel #1 [4pen] The How,
Borrowdale, Cumbria 2005*



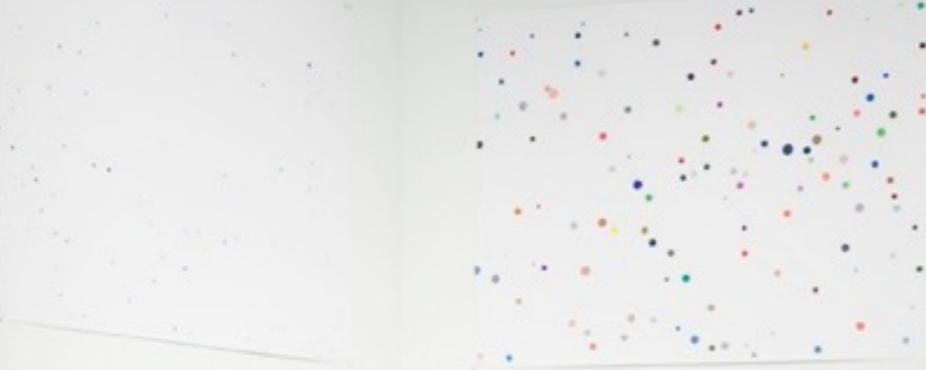


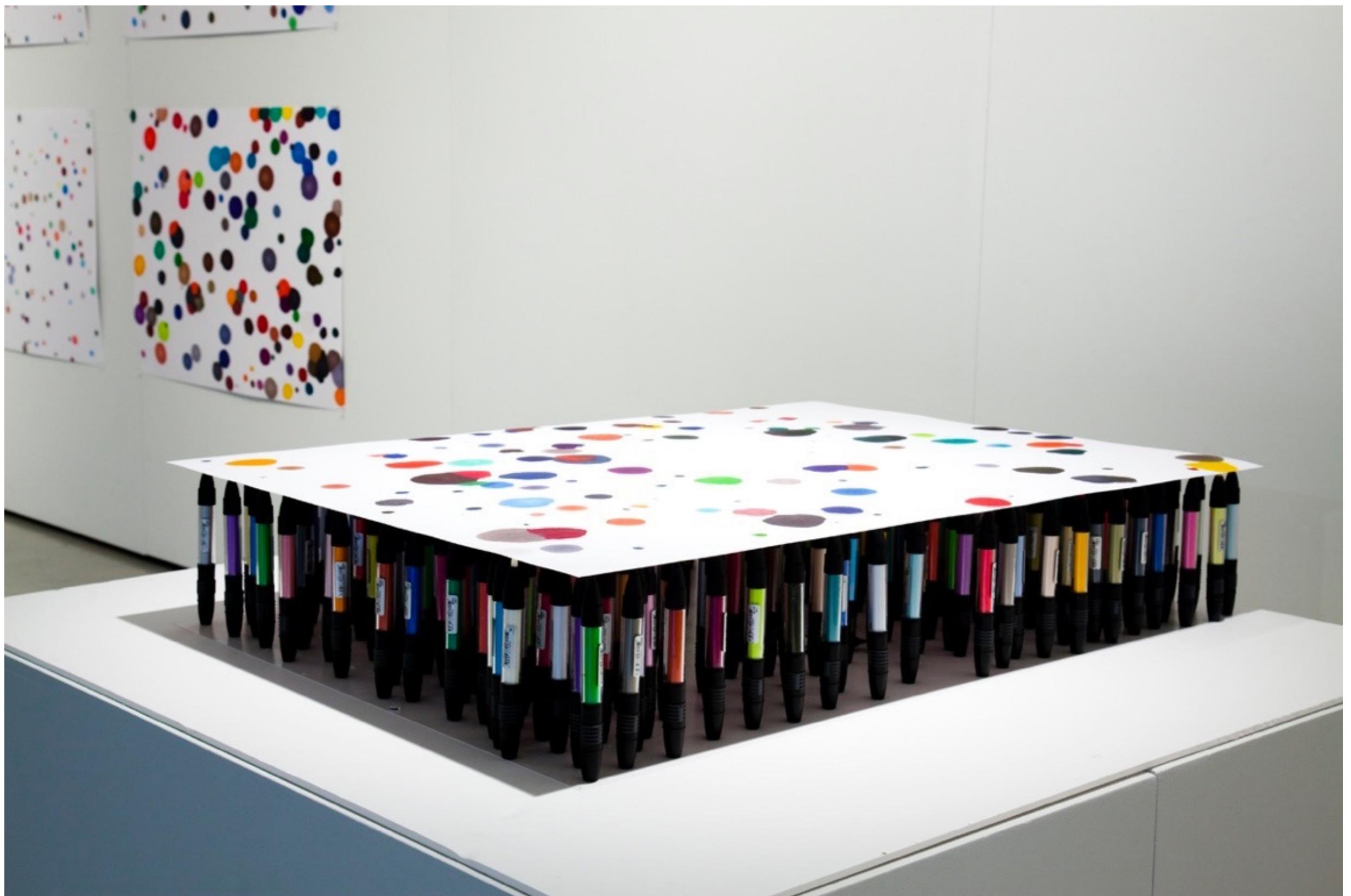






Daniel Eatock
Pen Prints 2011

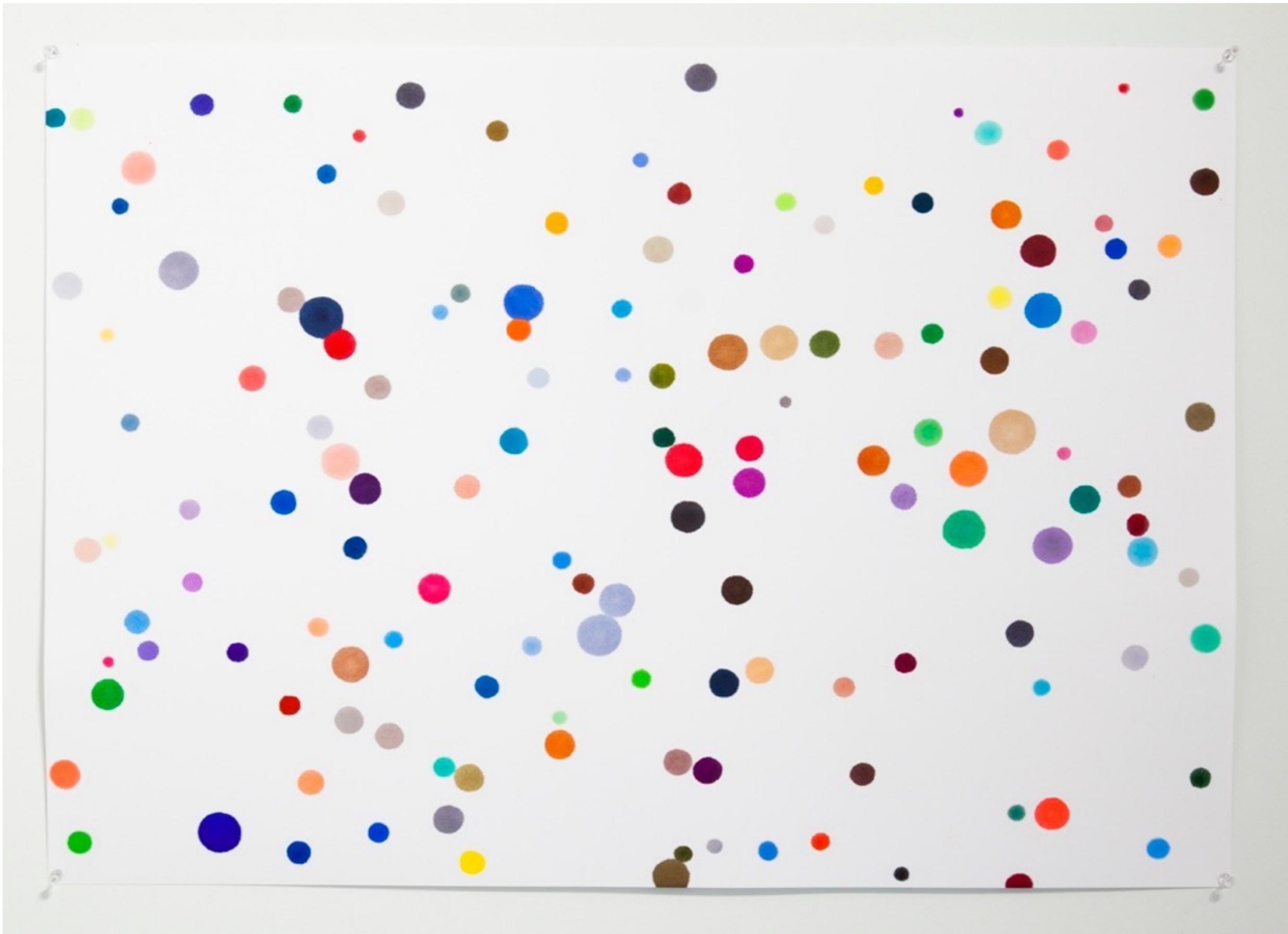








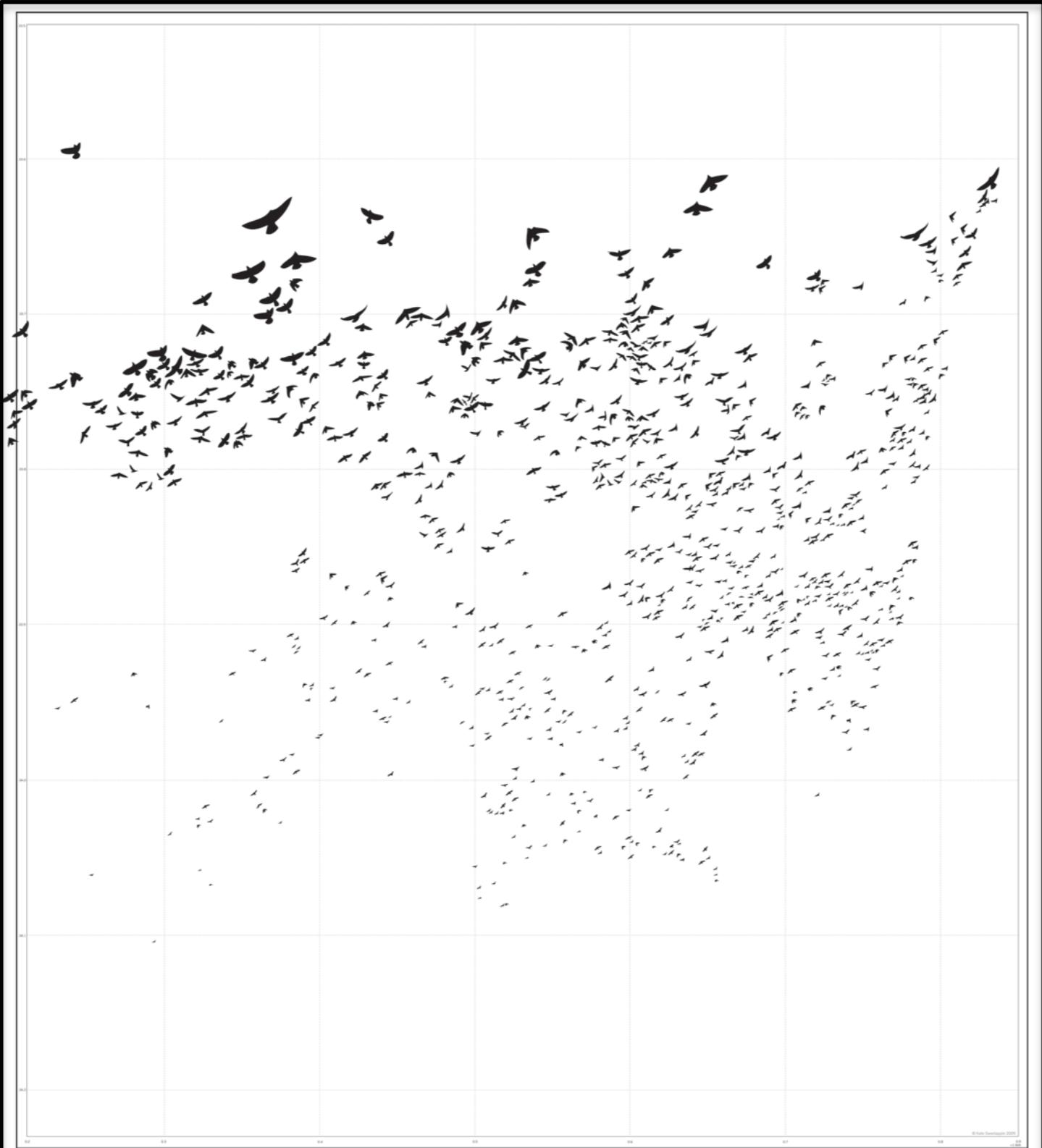






mapping sydney

Kate Sweetapple



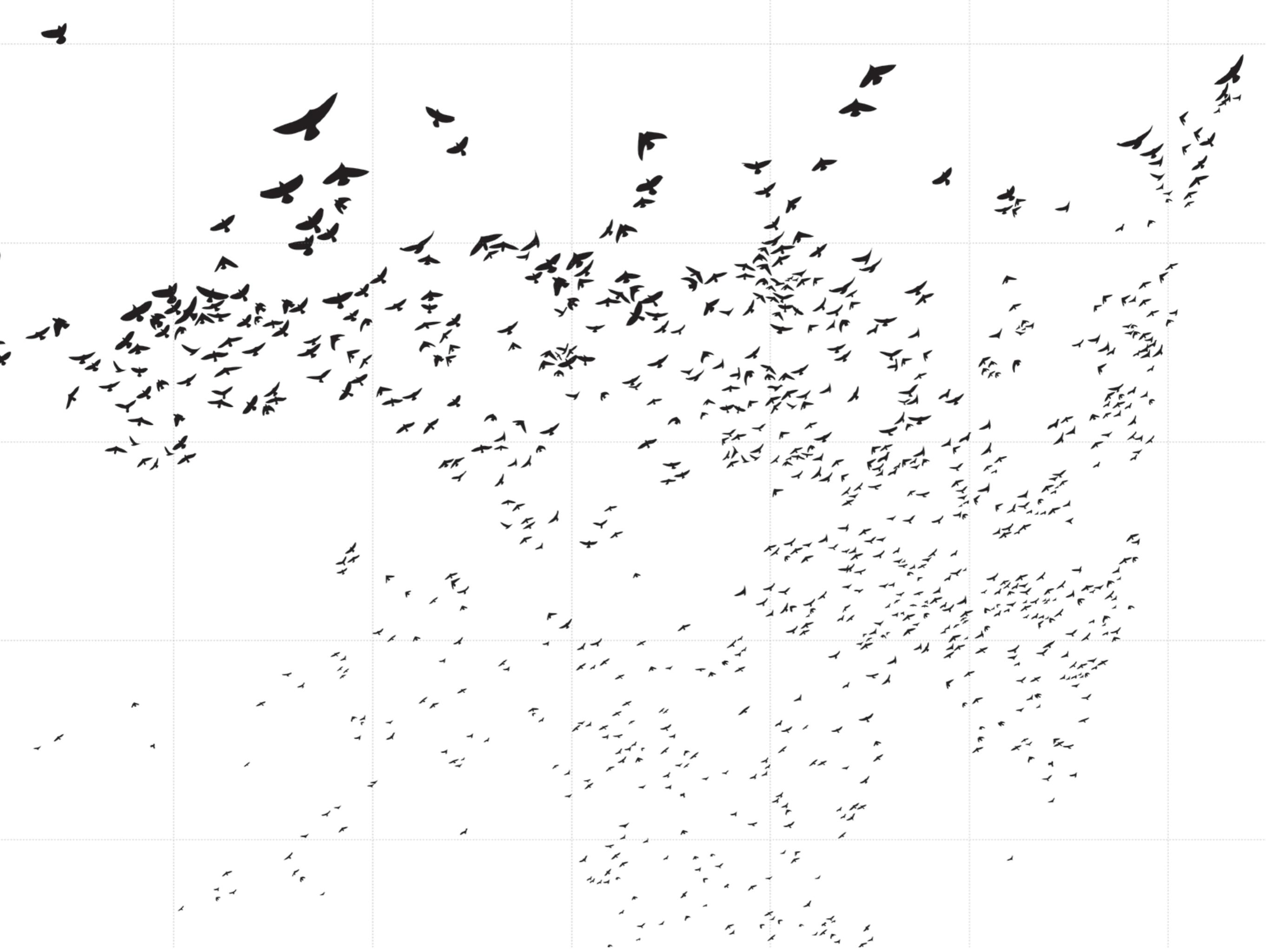
Map of Sydney AVIAN SURNAMES

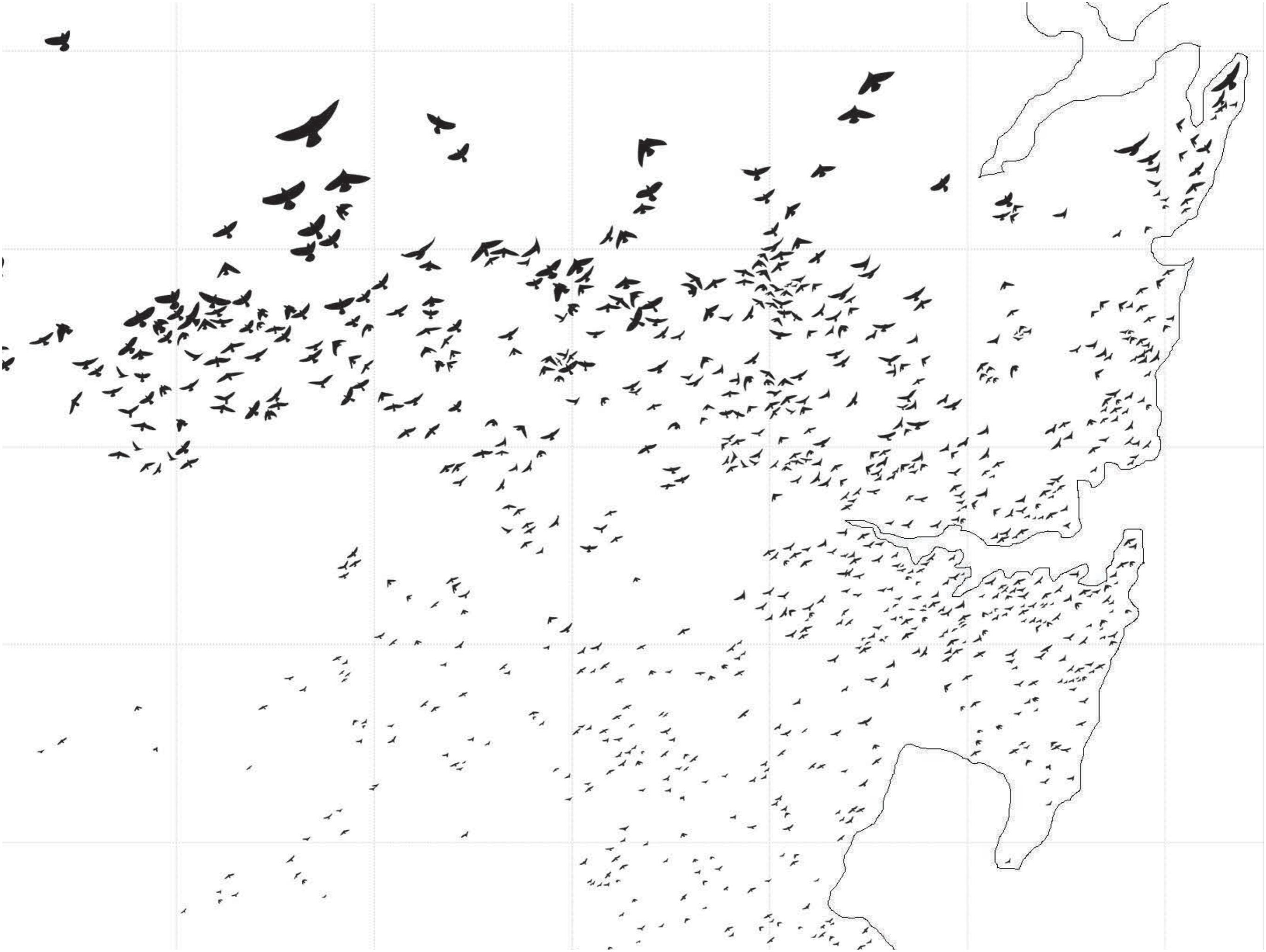
Bosky	2	Duck	17	Knot	1	Robin	
Bulld.		Ful.	23	Miser	10	Seagull	
Cat	1	Hawk	4	Purse	1	Sparrow	
Crake	1	Finch	158	Pigeon	1	Starling	
Croce	173	Gull	2	Plowr.	1	Stork	
Crow	26	Hawk	4	Quail	1	Turtle	
Curlew	1	Heron	43	Raven	15	Swan	
Dove	23	Kite	25				

Each bird represents the residential location of an individual, couple or family with an avian surname.

The surnames of Sydney residents represent 36 species of birds. The most common avian surname is Swan (123) followed by Finch (73). There is only one listing for Chat, Cuckoo, Curlew, Knot, Pigeon, Plover, Snipe, Stagpie, Parrot and Whistler. There are 938 listings in total.

The most northern resident with an avian surname is R.S. Crane (Richmond); the most southern is J.N. Sparrow (Canterbury); the most western is P. Heron (Penrith South); the most eastern is D.E. Swallow (Avalon).
Information sourced from the Sydney Residential White Pages 2008/09 and www.whitepages.com.au





Map of Sydney: Avian Surnames

Each bird represents the residential location of an individual, couple or family with an avian surname.

The surnames of Sydney residents represent 36 species of birds. The most common avian surname is Swan (213) followed by Finch (134). There is only one listing for Chat, Crake, Curlew, Knot, Pigeon, Plover, Seagull, Snipe, Parrot and Whistler. There are 938 listings in total.

Map of Sydney: Avian Surnames

Each bird represents the residential location of an individual, couple or family with an avian surname.

The surnames of Sydney residents represent 36 species of birds.

The most common avian surname is Swan (213) followed by Finch (134).

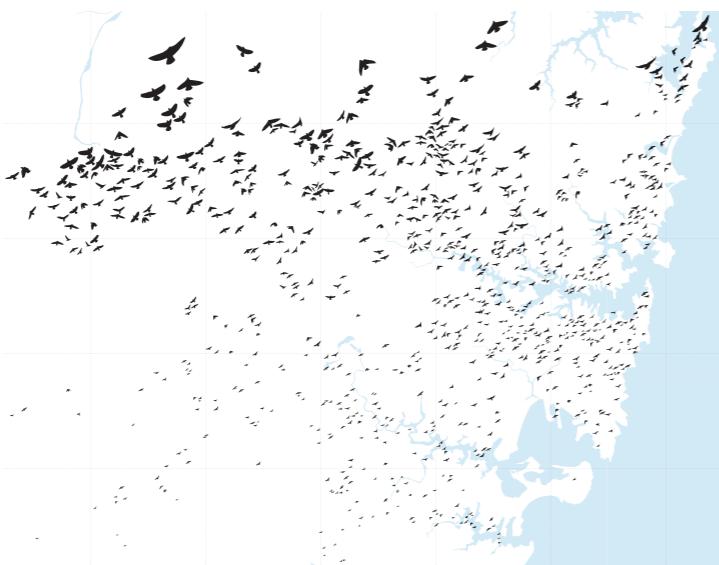
There is only one listing for Chat, Crake, Curlew, Knot, Pigeon, Plover, Seagull, Snipe, Parrot and Whistler. There are 938 listings in total.

Booby.....	2	Falcon.....	6	Pigeon.....	I	Swallow.....	II
Bulbul.....	2	Finch.....	134	Plover.....	I	Swan.....	213
Chat.....	I	Gull.....	2	Quail.....	10	Swift.....	82
Crake.....	I	Hawk.....	4	Raven.....	18	Thrush.....	7
Crane.....	113	Heron.....	49	Robin.....	23	Whistler.....	I
Crow.....	36	Kite.....	26	Seagull.....	I	Wren.....	40
Curlew.....	I	Knot.....	I	Snipe.....	I		
Dove.....	23	Miner.....	12	Sparrow.....	I6		
Duck.....	17	Parrot.....	I	Starling.....	43		
Eagle.....	33	Petrel.....	2	Stork.....	4		



Ruth Seagull ... the Rose Bay beautician changed her birth name "to suit where I live". Photo: Ben Rushton

Birds of a feather flock ... all over the map



Dr Sweetapple's map of bird images, overlaid here on a map of the Sydney region, shows the distribution of people with avian names.

Elicia Murray
Urban Affairs Reporter

WHAT bird is that? It is a Seagull. R. Seagull of Rose Bay, to be precise. No relation to P. Pigeon of Abbotsford.

Sydney has a flock of avian surnames, including at least 17 Ducks, 33 Eagles, 16 Sparrows, 40 Wrens, two Boobys and one Plover. They all appear on a peculiar work that is part of exhibition of maps of the harbour city containing information unlikely to be seen in conventional tourist guides.

Dr Kate Sweetapple, a visual communication designer from the University of Technology, Sydney, cross-checked a list of birds commonly found in Australia and New Zealand against online telephone

directory listings. She mapped a pattern using a bird silhouette to mark each household with an avian surname, plotting a Sydney-shaped flock of 938 birds representing 36 species.

Dr Sweetapple said the project was a homage to people who always had to explain their names. Of all the entries, the sole Seagull was her favourite. She was "so glad they live in Rose Bay", near the water.

Dr Sweetapple, who is also working on a map of fish surnames, did not contact the households in her map. But when the *Herald* phoned Ruth Seagull, the beautician said she loved the idea.

Born in Israel as Ruth Sigal, she migrated to Australia 20 years ago and was fascinated by the seagulls at Bondi Beach. "I

thought I would like my surname to suit where I live so, when I did my name registration, I made it Seagull," she said.

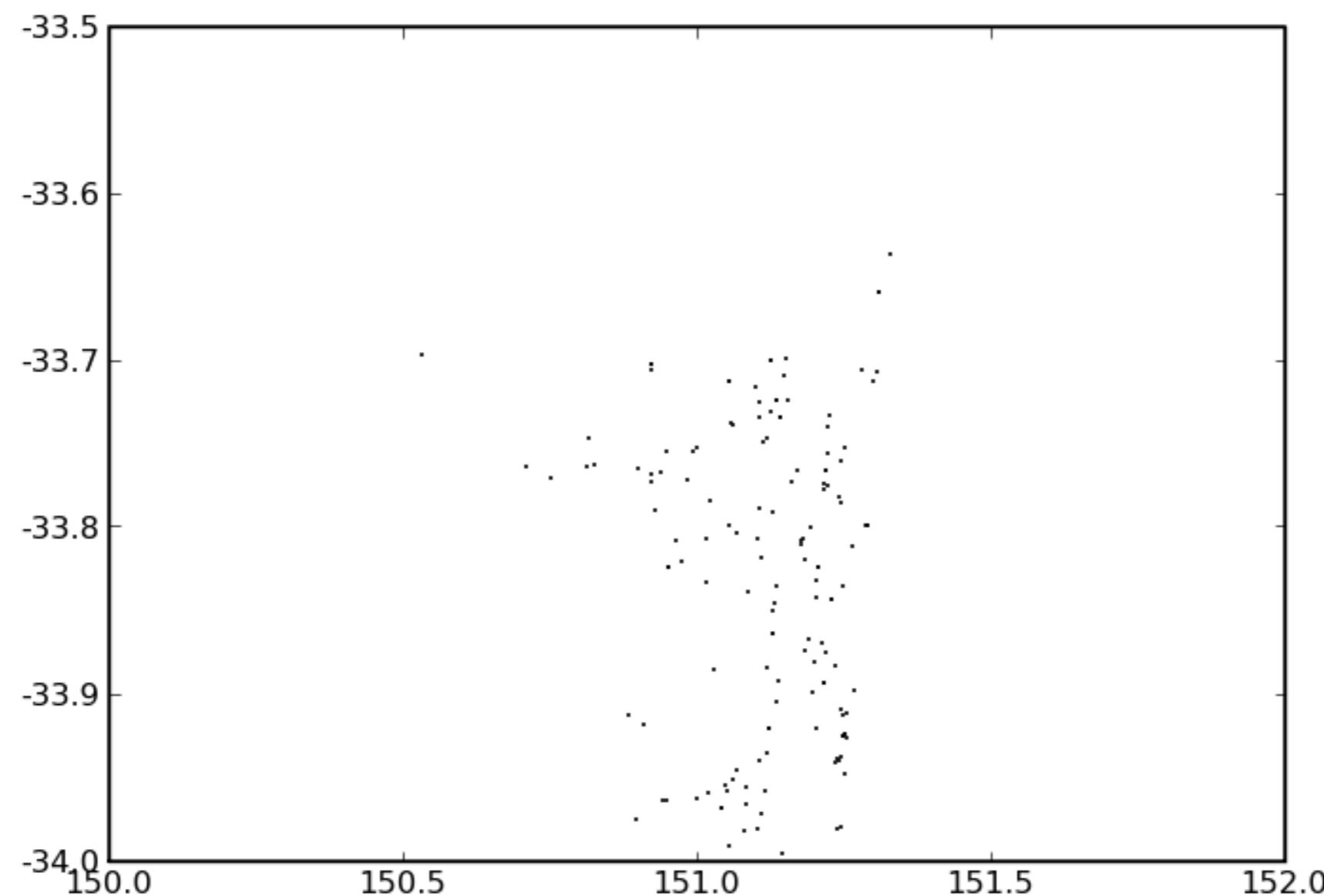
The curator of *Mapping Sydney*, Dr Naomi Stead, said the project explored how maps were created and how cities were portrayed in tourist material.

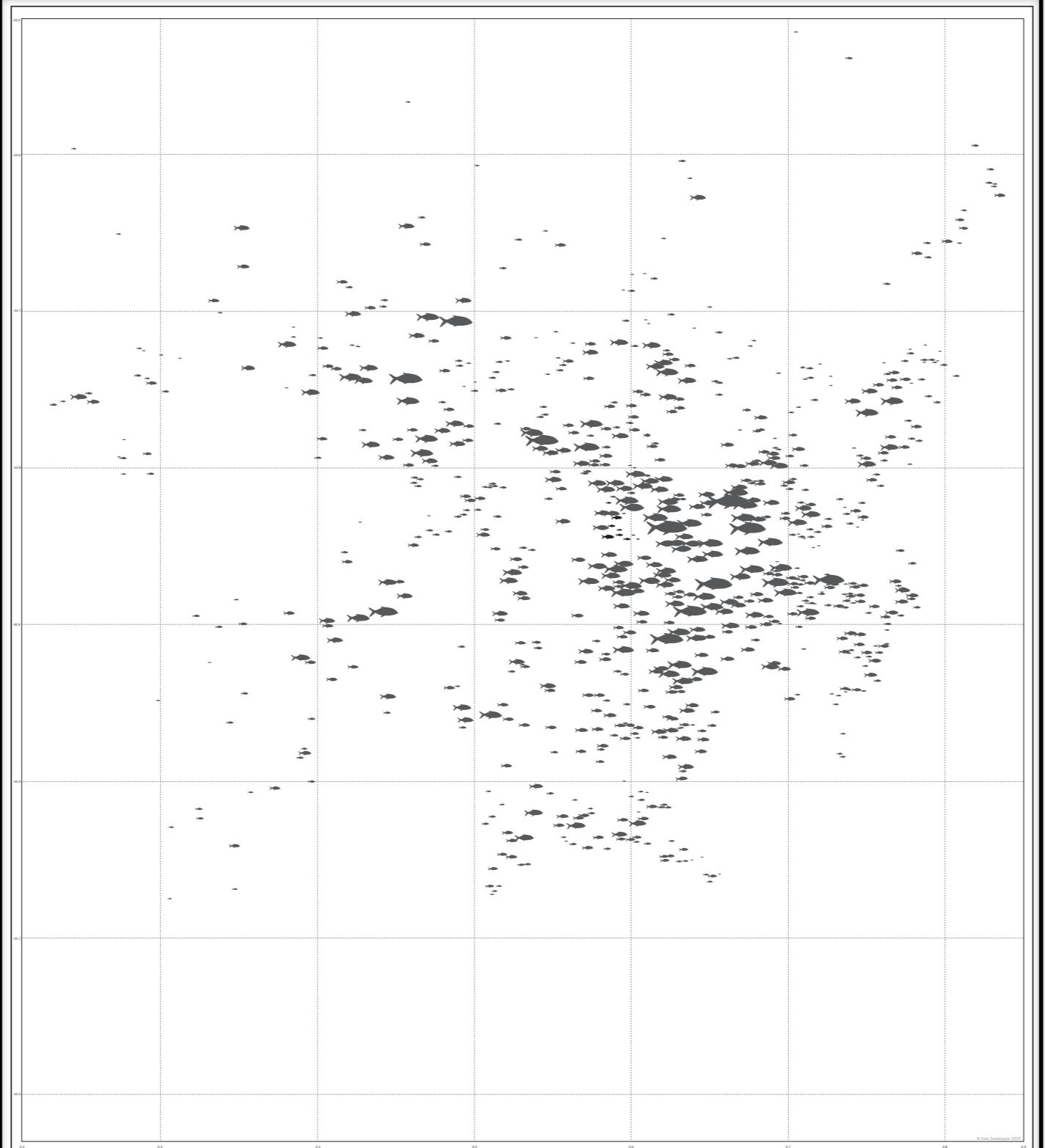
She estimated it cost less than \$10,000 to put the show together, using funding from an Early Career Researcher Grant from the university.

The exhibition's six maps of Sydney include Louisa Bufardeci's guide to the city turning left or right, following the orientation of the Federal Government since 1901.

Mapping Sydney is on at the university's DAB LAB research gallery from August 27 to September 25.

10 Kingsbury Pl, Kingswood New South Wales 2747, Australia: -33.75892, 150.73446
13 General Bridges Crescent, Daceyville New South Wales 2032, Australia: -33.92623, 151.22714
27 Lawrence Hargrave Rd, Warwick Farm New South Wales 2170, Australia: -33.90762, 150.93440
28 Hobart St, Riverstone New South Wales 2765, Australia: -33.66879, 150.85970
8 Elliott Pl, Cherrybrook New South Wales 2126, Australia: -33.72286, 151.04943
12 Winter St, Telopea New South Wales 2117, Australia: -33.79605, 151.04019
14 Elphinstone Rd, South Coogee New South Wales 2034, Australia: -33.92953, 151.25308
199 Pyrmont St, Pyrmont New South Wales 2009, Australia: -33.87258, 151.19638
41 Rocklands Rd, Wollstonecraft New South Wales 2065, Australia: -33.83115, 151.20274
165 Victoria Rd, Gladesville New South Wales 2111, Australia: -33.83377, 151.12798
102 Stapleton St, Pendle Hill New South Wales 2145, Australia: -33.80358, 150.95698
30 Wearne St, Canterbury New South Wales 2193, Australia: -33.92164, 151.10868
14 Segenhoe St, Arncliffe New South Wales 2205, Australia: -33.94050, 151.14886
23 Dorlton St, Kings Langley New South Wales 2147, Australia: -33.75017, 150.93037
67 Bruce Ave, Belfield New South Wales 2191, Australia: -33.90907, 151.08804
110 Croydon St, Lakemba New South Wales 2195, Australia: -33.92558, 151.07942
34 Budgeree Rd, Toongabbie New South Wales 2146, Australia: -33.78961, 150.95321
2 Queensway St, City of Blacktown New South Wales 2148, Australia: -33.77875, 150.90913
34 Colane St, Concord West New South Wales 2138, Australia: -33.84327, 151.09172
208 Pacific Hwy, Hornsby New South Wales 2077, Australia: -33.70690, 151.09887
17 Paula Pearce Pl, Bella Vista New South Wales 2153, Australia: -33.75522, 150.95600
61 Bunarba Rd, Gymea Bay New South Wales 2227, Australia: -34.04623, 151.09100
18 Boronia St, Ermington New South Wales 2115, Australia: -33.81825, 151.06025
5 Maling Ave, Ermington New South Wales 2115, Australia: -33.81462, 151.05792
5 Blackwell Ave, St Clair New South Wales 2759, Australia: -33.80067, 150.78262
24 Flinders Pl, North Richmond New South Wales 2754, Australia: -33.58417, 150.71972
4 Seaview Ave, Newport New South Wales 2106, Australia: -33.65627, 151.31755
120 Hume Crescent, Werrington County New South Wales 2747, Australia: -33.75039, 150.74936
Barker Dr, Rogans Hill New South Wales 2154, Australia: -33.72944, 151.02142
71 Pioneer St, Seven Hills New South Wales 2147, Australia: -33.76835, 150.92917
46 Waldron St, Sandringham New South Wales 2219, Australia: -34.00022, 151.13726
12 Station St, Homebush New South Wales 2140, Australia: -33.86651, 151.08770
20 Lynton Green, West Pennant Hills New South Wales 2125, Australia: -33.74585, 151.03353
198 Beach St, Coogee New South Wales 2034, Australia: -33.92637, 151.25660
3 Brent Pl, Stanhope Gardens New South Wales 2768, Australia: -33.71614, 150.92531
40 – 44 Rosemont St, Punchbowl New South Wales 2196, Australia: -33.92595, 151.06178
533 Kent St, Sydney New South Wales 2000, Australia: -33.87552, 151.20514
398 – 408 Pitt St, Sydney New South Wales 2000, Australia: -33.87870, 151.20770
65 Meehan St, Granville New South Wales 2142, Australia: -33.82619, 150.99845
16 Mistletoe St, Loftus New South Wales 2232, Australia: -34.04944, 151.04318
Jesse Owens Ave, Newington New South Wales 2127, Australia: -33.84553, 151.05179
155 Fisher Rd N, Cromer New South Wales 2099, Australia: -33.74218, 151.28414
140 Crimea Rd, Marsfield New South Wales 2122, Australia: -33.76616, 151.09975
4 Clermont Ave, Concord New South Wales 2137, Australia: -33.85749, 151.09499
5 Indiana Ave, Belfield New South Wales 2191, Australia: -33.90647, 151.08836
36 Newman St, Merrylands New South Wales 2160, Australia: -33.83791, 150.98689
44 Hotham Rd, Gymea New South Wales 2227, Australia: -34.03374, 151.08096
34 Alt St, Ashfield New South Wales 2131, Australia: -33.88433, 151.12327
6 Mooney St, Strathfield South New South Wales 2136, Australia: -33.89181, 151.08040
125 Darley St, Mona Vale New South Wales 2103, Australia: -33.67282, 151.30182
53 Tennyson Rd, Greenacre New South Wales 2190, Australia: -33.89582, 151.05311
45 Cook St, Forestville New South Wales 2087, Australia: -33.76372, 151.21903
6 Norman Ave, Hammondville New South Wales 2170, Australia: -33.94900, 150.95454
2 Pound Rd, Hornsby New South Wales 2077, Australia: -33.70564, 151.09813
7 Ocean Grove, Collaroy New South Wales 2097, Australia: -33.73678, 151.30518
4 Rowlev St. Burwood New South Wales 2134. Australia: -33.87186. 151.10030





Map of Sydney

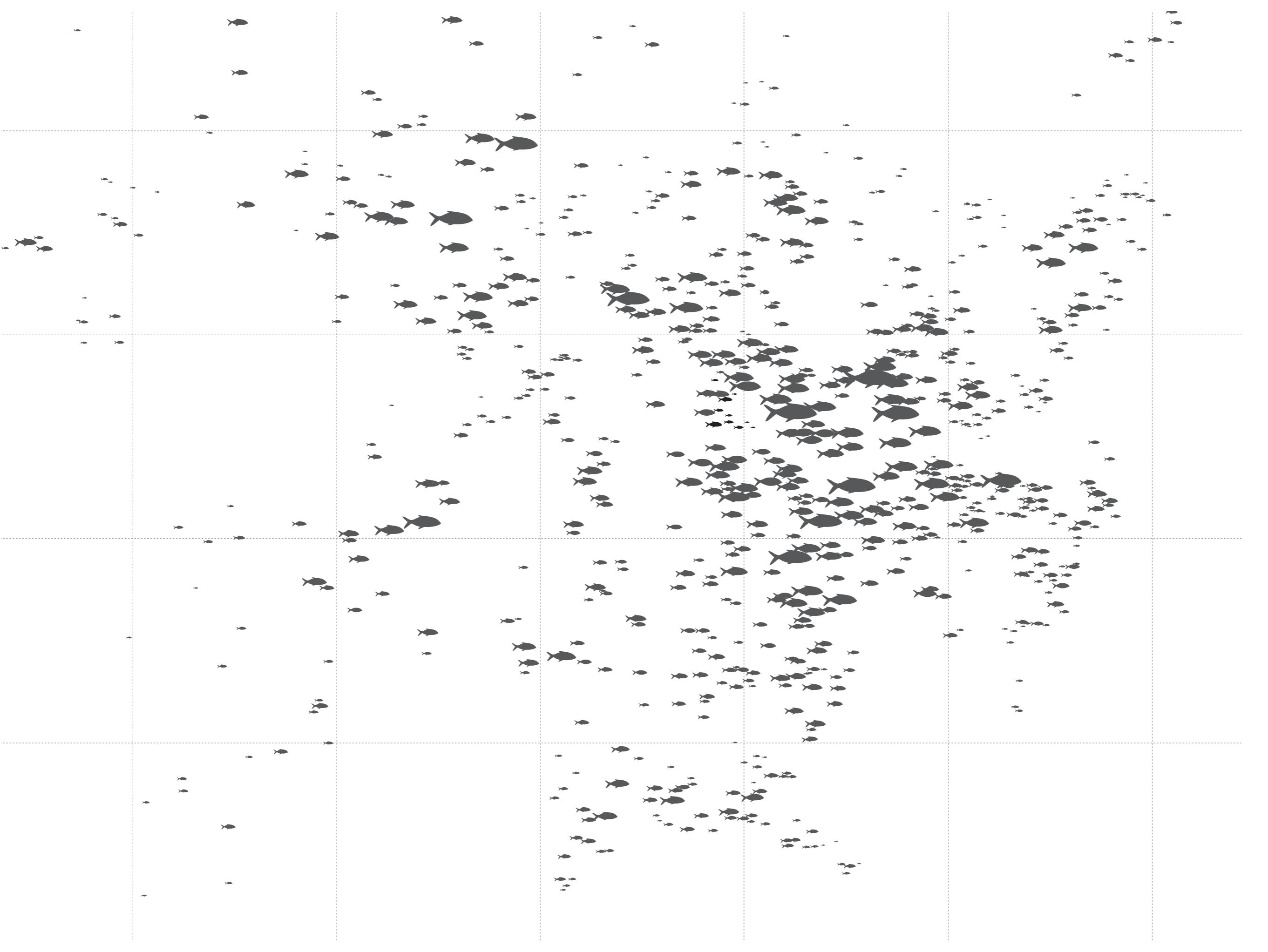
FISH SURNAMES

Bass.....	42	Fish.....	67	Melton.....	18	Sweat.....	2
Bonito.....	1	Goldfish.....	1	Pike.....	189	Taylor.....	9
Catfish.....	17	Herring.....	18	Pukan.....	1	Tremper.....	5
Carp.....	1	Ling.....	109	Salmon.....	109	Tuna.....	4
Darv.....	32	Mako.....	1	Sole.....	14	Whiting.....	76

Each fish represents the residential location of an individual, couple or family with the surname of a fish.

The surnames of Sydney residents represent 19 species of fish. The most common fish surname is Ling (109) followed by Pike (189). The most northern resident/s with an fish surname is E. & M. Fish (Mooney Mooney); the most southern is R. Pike (Campbelltown); the most western is G. C. & D. A. Pike (Echu Point); the most eastern is G. W. Salmon (Ovalbin).

Information sourced from the Sydney Residential White Pages 2009/10 and www.whitepages.com.au



Map of Sydney: Fish Surnames

Each fish represents the residential location of an individual, couple or family with the surname of a fish.

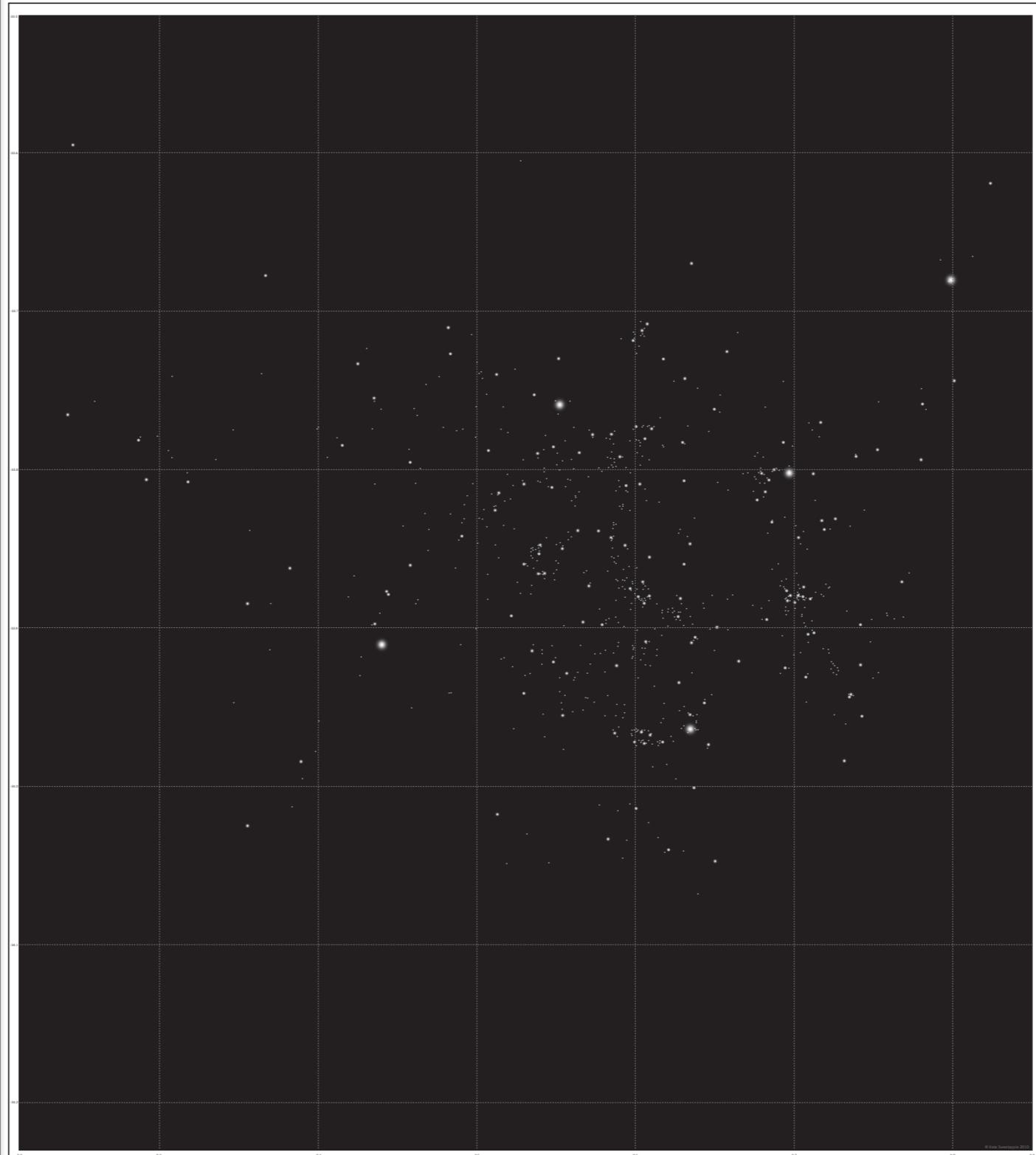
The surnames of Sydney residents represent 19 species of fish.

The most common fish surname is Ling (209) followed by Pike (189).

There is only one listing for Bonito, Carp, Goldfish and Mako.

There are 846 listings in total.

Bass.....	42	Herring.....	48	Sole.....	14
Bonito.....	1	Ling.....	209	Sweep.....	2
Cale.....	17	Mako.....	1	Tailor.....	9
Carp.....	1	Marlin.....	18	Trout.....	5
Dart.....	32	Pike.....	189	Tuna.....	4
Fish.....	47	Pilcher.....	21	Whiting.....	76
Goldfish.....	1	Salmon.....	109		



Map of Sydney

CELESTIAL SURNAMES

Mars 6
Mercury 1
Moon 230
Pluto 2
Sun 549
Star 14
Venus 1

Each celestial body represents the residential location of an individual, couple or family with an celestial surname.

The surnames of Sydney residents represent 7 different celestial bodies. The most northern celestial surname is Sun (549) followed by Moon (230). There is only one listing for Mercury and Venus. There are 827 listings in total.

The most northern resident with an celestial surname is C. Moon (North Richmond), the most southern is T. Moon (Burraween), the most western is A. Moon (Kingwood), the most eastern is M. Moon (Palm Beach).

Information sourced from the Sydney Residential White Pages 2009/10 and www.whitepages.com.au

Map of Sydney: Celestial Surnames

Each fish represents the residential location of an individual, couple or family with the a celestial surname.

The surnames of Sydney residents represent 7 different celestial bodies. The most common celestial surname is Sun (549) followed by Moon (230). There is only one listing for Mercury and Venus. There are 803 listings in total.

Map of Sydney: Celestial Surnames

Each fish represents the residential location of an individual, couple or family with the a celestial surname.

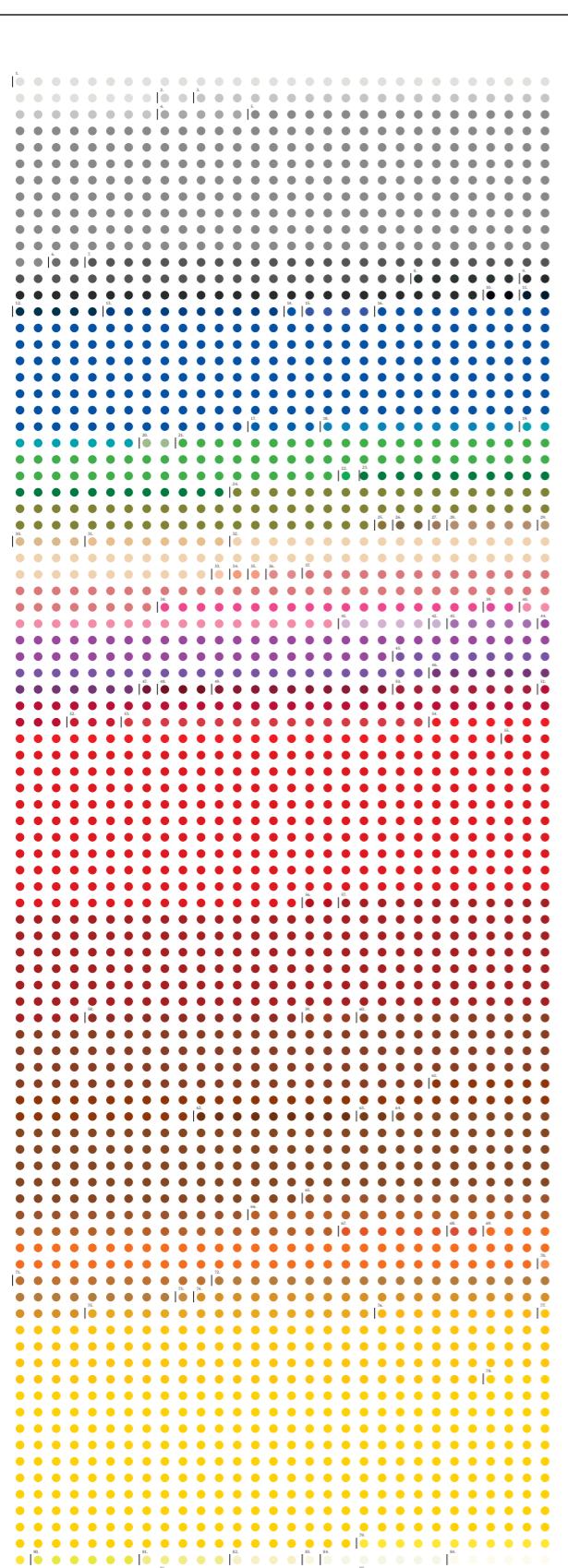
The surnames of Sydney residents represent 7 different celestial bodies. The most common celestial surname is Sun (549) followed by Moon (230). There is only one listing for Mercury and Venus. There are 803 listings in total.

Mars.....	6	Star.....	14
Mercury.....	1	Sun.....	549
Moon.....	230	Venus.....	1
Pluto.....	2		

unlikely avian taxonomies

Zoe Sadokierski
Kate Sweetapple

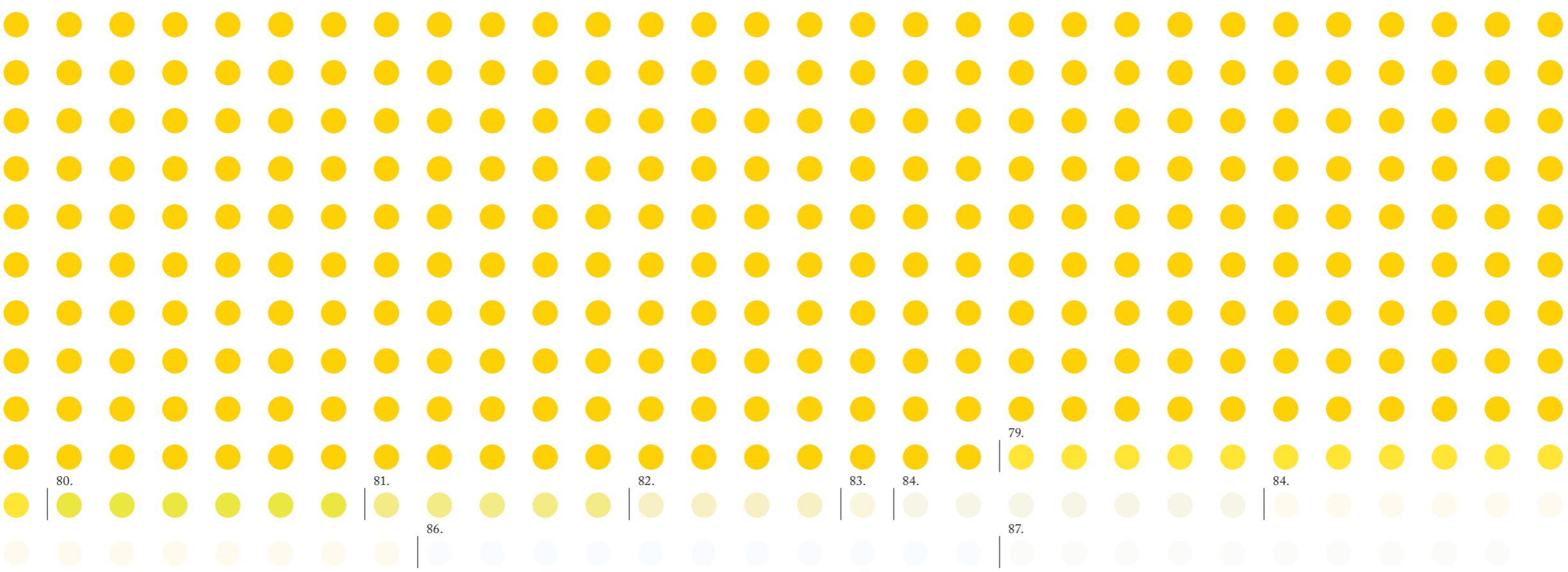
tus Rodrigues Solitaire *Pezophaps solitaria* Tooth-billed Pigeon *Didunculus strigirostris* White-eared Brown Dove *Phapitreron leucotis* Amethyst Brown Dove *Phapitreron amethystinus* Tawitaw Pigeon *Treron oxyurus* Yellow-vented Green Pigeon *Treron seimundi* Wedge-tailed Green Pigeon *Treron sphenurus* White-bellied Green Pigeon *Treron sieboldii* Whistling Green Pigeon *Treron* *copops roseicapilla* Rose-crowned Fruit Dove *Ptilinopus regina* Silver-capped Fruit Dove *Ptilinopus richardsii* Grey-green Fruit Dove *Ptilinopus purpuratus* Makatea Fruit Dove *Ptilinopus chalcurus* Pigeon *Alectroenas madagascariensis* Comoros Blue Pigeon *Alectroenas sganzini* Seychelles Blue Pigeon *Alectroenas pulcherrimus* Pink-bellied Imperial Pigeon *Ducula poliocephala* White-bellied Imperial Pigeon *Ducula bakeri* Goliath Imperial Pigeon *Ducula goliath* Pinon's Imperial Pigeon *Ducula pinon* Black Imperial Pigeon *Ducula melanochroa* Collared Imperial Pigeon *Ducula mullierii* *lynchus baudinii* Gang-gang Cockatoo *Callocephalon fimbriatum* Major Mitchell's Cockatoo *Lophochroa leadbeateri* Galah *Eolophus roseicapilla* Long-billed Corella *Cacatua tenuirostris* Western Pygmy Parrot *Micropsitta keiensis* Geelvink Pygmy Parrot *Micropsitta geelvinkiana* Buff-faced Pygmy Parrot *Micropsitta pusio* Meek's Pygmy Parrot *Micropsitta meeki* Finsch's Pygmy Parrot *Micropsitta schlegeli* White-naped Lory *Lorius domicella* Black-capped Lory *Lorius lory* Purple-bellied Lory *Lorius hypoinochrous* White-naped Lory *Lorius albidinucha* Yellow-bibbed Lory *Lorius chlorocercus* Collared Lory *Prosopeia personata* Maroon Shining Parrot *Prosopeia tabuensis* Horned Parakeet *Eunymphicus cornutus* Ouvea Parakeet *Eunymphicus uvaeensis* Black-fronted Parakeet *Cyanoramphus zealandicus* *tryosostoma* Elegant Parrot *Neophema elegans* Rock Parrot *Neophema petrophila* Orange-bellied Parrot *Neophema chrysogaster* Turquoise Parrot *Neophema pulchella* Scarlet-chested Parrot *Neophema pulchella* Parrot *Eclectus roratus* Moluccan King Parrot *Alisterus amboinensis* Papuan King Parrot *Alisterus chloropterus* Australian King Parrot *Alisterus scapularis* Jonquil Parrot *Aprosmictus jonquillaceus* Fischer's Lovebird *Agapornis fischeri* Yellow-collared Lovebird *Agapornis personatus* Lilian's Lovebird *Agapornis liliana* Black-cheeked Lovebird *Agapornis nigrigenis* Greater Vasa Parrot *Coracopsittacus vasa* *auricollis* Red-shouldered Macaw *Diopsittaca nobilis* Thick-billed Parrot *Rhynchopsitta pachyrhyncha* Maroon-fronted Parrot *Rhynchopsitta terrisi* Yellow-eared Parrot *Ognorhynchus icterotis* *Pyrrhura* Flame-winged Parakeet *Pyrrhura devillei* Maroon-bellied Parakeet *Pyrrhura frontalis* Pearly Parakeet *Pyrrhura lepida* Crimson-bellied Parakeet *Pyrrhura perlata* Green-cheeked Parakeet *Pyrrhura molinae* *Forpus cyanopygius* Green-rumped Parrotlet *Forpus passerinus* Blue-winged Parrotlet *Forpus xanthopterygius* Spectacled Parrotlet *Forpus conspicillatus* Dusky-billed Parrotlet *Forpus modestus* *vulturina* Bald Parrot *Pyrilia aurantiocephala* Pileated Parrot *Pionopsitta pileata* Black-winged Parrot *Hapalopsittaca melanotos* Rusty-faced Parrot *Hapalopsittaca amazonina* Fuertes's Parrot *Hapalopsittaca fuertesi* *Amazona festiva* Yellow-shouldered Amazon *Amazona barbadensis* Turquoise-fronted Amazon *Amazona aestiva* Yellow-headed Amazon *Amazona oratrix* Tres Marias Amazon *Amazona autumnalis* *Tauraco macrorhynchus* White-crested Turaco *Tauraco leucolophus* Bannerman's Turaco *Tauraco bannermani* Red-crested Turaco *Tauraco erythrolophus* Hartlaub's Turaco *Tauraco hartlaubi* White-necked Turaco *Tauraco leucolophus* *Centropus milo* White-necked Coucal *Centropus ateralbus* Ivory-billed Coucal *Centropus menbeki* Biak Coucal *Centropus chalybeus* Rufous Coucal *Centropus unirufus* Green-billed Coucal *Centropus chlorophaea* *caerulea* Red-capped Coua *Coua ruficeps* Red-fronted Coua *Coua reynaudii* Coquerel's Coua *Coua coquereli* Running Coua *Coua cursor* Giant Coua *Coua gigas* Red-breasted Coua *Coua serrana* *coccycyzus euleri* Mangrove Cuckoo *Coccycyzus minor* Cocos Cuckoo *Coccycyzus ferrugineus* Black-billed Cuckoo *Coccycyzus erythrophthalmus* Grey-capped Cuckoo *Coccycyzus lansbergi* Chestnut-bellied Cuckoo *Coccycyzus vittatus* Pallid Cuckoo *Cacomantis pallidus* White-crowned Cuckoo *Cacomantis leucolophus* Chestnut-breasted Cuckoo *Cacomantis castaneiventris* Fan-tailed Cuckoo *Cacomantis flabelliformis* Indian Cuckoo *Cuculus micropterus* Madagascar Cuckoo *Cuculus rochii* African Cuckoo *Cuculus gularis* Himalayan Cuckoo *Cuculus saturatus* Oriental Cuckoo *Cuculus optatus* Sunda Cuckoo *Cuculus canorus* *Scops* Scops Owl *Otos mentawi* Indian Scops Owl *Otos bakkamoena* Collared Scops Owl *Otos lettia* Japanese Scops Owl *Otos semitorques* Sunda Scops Owl *Otos lempiji* Palawan Scops Owl *Otos fuscus* *union* *Mascarenotus grucheti* Mauritius Owl *Mascarenotus sauzieri* Rodrigues Owl *Mascarenotus murivorus* Flammulated Owl *Megascops flammeolus* Eastern Screech Owl *Megascops asio* Western Screech Owl *Megascops kennicottii* Northern White-faced Owl *Ptilopsis leucotis* Southern White-faced Owl *Ptilopsis granti* Snowy Owl *Bubo scandiacus* Great Horned Owl *Bubo virginianus* Lesser Horned Owl *Bubo virginianus* *fulvescens* Rusty-barred Owl *Strix hylophila* Chaco Owl *Strix chacoensis* Rufous-legged Owl *Strix rufipes* Ural Owl *Strix uralensis* Pere David's Owl *Strix davidi* Great Grey Owl *Strix nebulosa* *hardyi* East Brazilian Pygmy Owl *Glaucidium minutissimum* Ferruginous Pygmy Owl *Glaucidium brasilianum* Pacific Pygmy Owl *Glaucidium peruanum* Austral Pygmy Owl *Glaucidium nubicola* *Ninox affinis* White-browed Hawk-Owl *Ninox superciliaris* Philippine Hawk-Owl *Ninox philippensis* Ochre-bellied Boobook *Ninox ochracea* Cinnabar Boobook *Ninox ious* Hantu Boobook *Ninox boobook* *Batrachostomus moniliger* Hodgson's Frogmouth *Batrachostomus hodgsoni* Short-tailed Frogmouth *Batrachostomus poliolophus* Bornean Frogmouth *Batrachostomus mixtus* Javan Frogmouth *Nyctiprogne leucopyga* Plain-tailed Nighthawk *Nyctiprogne vielliardi* Brown Nightjar *Veles binotatus* Pauraque *Nyctidromus albicollis* Common Poorwill *Phalaenoptilus nuttallii* Least Poorwill *Siphonorhis nigrescens* Roraiman Nightjar *Caprimulgus whitelyi* Pygmy Nightjar *Caprimulgus hirundinaceus* Red-necked Nightjar *Caprimulgus ruficollis* Jungle Nightjar *Caprimulgus indicus* Grey Nightjar *Caprimulgus affinis* Freckled Nightjar *Caprimulgus tristigma* Bonaparte's Nightjar *Caprimulgus concretus* Salvadori's Nightjar *Caprimulgus pulchellus* Prigogine's Nightjar *Caprimulgus prigoginei* *Hemiprocne comata* Moustached Treeswift *Hemiprocne mystacea* Spot-fronted Swift *Cypseloides cherriei* White-chinned Swift *Cypseloides cryptus* White-fronted Swift *Cypseloides niger* *whiteheadi* Bare-legged Swiftlet *Aerodramus nuditarus* Mayr's Swiftlet *Aerodramus orientalis* Mossy-nest Swiftlet *Aerodramus salangana* Uniform Swiftlet *Aerodramus vanikorensis* Palau Swiftlet *Aerodramus celebensis* Lesser Antillean Swift *Chaetura martinica* Band-rumped Swift *Chaetura spinicaudus* Costa Rican Swift *Chaetura fumosa* Pale-rumped Swift *Chaetura egregia* Grey-rumped Swift *Chaetura pelasgus* *leuconyx* Cook's Swift *Apus cooki* Dark-rumped Swift *Apus acuticauda* Little Swift *Apus affinis* House Swift *Apus nipalensis* Horus Swift *Apus horus* White-rumped Swift *Apus caffer* Bates' Swiftlet *Phaethornis rupurumii* Little Hermit *Phaethornis longuemareus* Minute Hermit *Phaethornis idaliae* Cinnamon-throated Hermit *Phaethornis nattereri* Reddish Hermit *Phaethornis ruber* *florisuga mellivora* Black Jacobin *Florisuga fusca* Brown Violetear *Colibri delphinae* Green Violetear *Colibri thalassinus* Sparkling Violetear *Colibri coruscans* White-vented Violetear *Colibri sericeus* *coquette* Coquette *Lophornis adorabilis* Wire-crested Thorntail *Discosura popelairii* Black-bellied Thorntail *Discosura langsdorffi* Letitia's Thorntail *Discosura letitiae* Green Thorntail *Discosura conversii* *Eupherusa cyanophrys* White-tailed Hummingbird *Eupherusa poliocerca* Stripe-tailed Hummingbird *Eupherusa eximia* Black-bellied Hummingbird *Eupherusa nigriventris* Pirre Hummingbird *Leucippus fallax* *polytmus guainumbi* Goldenthroat *Polytmus milleri* Green-tailed Goldenthroat *Polytmus theresiae* Buffy Hummingbird *Leucippus fallax* Tumbes Hummingbird *Leucippus fallax* *coronatus* Purple-chested Hummingbird *Amazilia rosenbergi* Mangrove Hummingbird *Amazilia boucardi* Honduran Emerald *Amazilia luciae* Steely-vented Hummingbird *Amazilia saucerottei* Indigo-pollinated Hummingbird *Phlogophilus harterti* Brazilian Ruby *Clytolaema rubricauda* Velvet-browed Brilliant *Heliodoxa xanthogonys* Pink-throated Brilliant *Heliodoxa gularis* Rufous-webbed Brilliant *Phlogophilus rubricauda*



1. Ash/Ashy (38)	16. Blue (203)	31. Fawn (8)	46. Plum/Phenome (14)	61. Rusty (47)	76. Saffron (9)
2. Leader (2)	17. Ultramarine (4)	46. Buff/Buffy (59)	47. Wine (11)	62. Choco/Chocolate (9)	77. Gold (117)
3. Silver/Silver (8)	18. Indigo (112)	53. Sunbeam (1)	48. Garnet (1)	63. Honey/Honeydew (293)	78. Golden (12)
4. Copper/Copper (5)	19. Tawny (10)	54. Peach (1)	50. Mason (10)	64. Honey/Brownish (145)	79. Golden (1)
5. Grey (259)	20. Sage (2)	55. Salmon (1)	50. Ruby (8)	65. Tawny (27)	80. Citrine (6)
6. Faunice (2)	21. Green (1)	56. Must (1)	51. Crimson (34)	66. Cinnamom (3)	81. Fluorescent (5)
7. Orange (1)	22. Lime (1)	57. Teal (1)	52. Terra (1)	67. Orange (1)	82. Flame/Fire (8)
8. Smokey/Smokey (6)	23. Emerald (20)	58. Rose/Rose (18)	53. Radish (1)	68. Coral (2)	83. Blood (1)
9. Soozy (2)	24. Olive/Olive/Druce (8)	59. Magenta (2)	54. Scallop (29)	69. Orange (6.5)	84. Ivory (7)
10. Jet (1)	25. Hazel (1)	60. Indigo (1)	55. Red (29)	70. Apricot (1)	85. Cray/Creamy (14)
11. Purple (2)	26. Cobalt (2)	61. Lime (1)	56. Candy (2)	71. Apricot/Creamy (1)	86. Snow/Creamy (1)
12. Indigo (1)	27. Blue (1)	62. Lavender (1)	57. Rufous/Refoncent (196)	72. Brown/Bronzy (2)	87. Pearl/Pearl/Pearl (10)
13. Sapphire (10)	28. Mauve (5)	63. Amethyst (1)	58. Russet (12)	73. Brassy (1)	
14. Indigo (1)	29. Purple (1)	64. Peacock (1)	59. Tan (1)	74. Honey/Yellow (1)	
15. Cadbury (4)	30. Steel/Slate (4)	65. Viper/Viperine (2)	60. Chestnut (124)	75. Sulphur/Sulphur (12)	

AVIAN TAXONOMY 2b

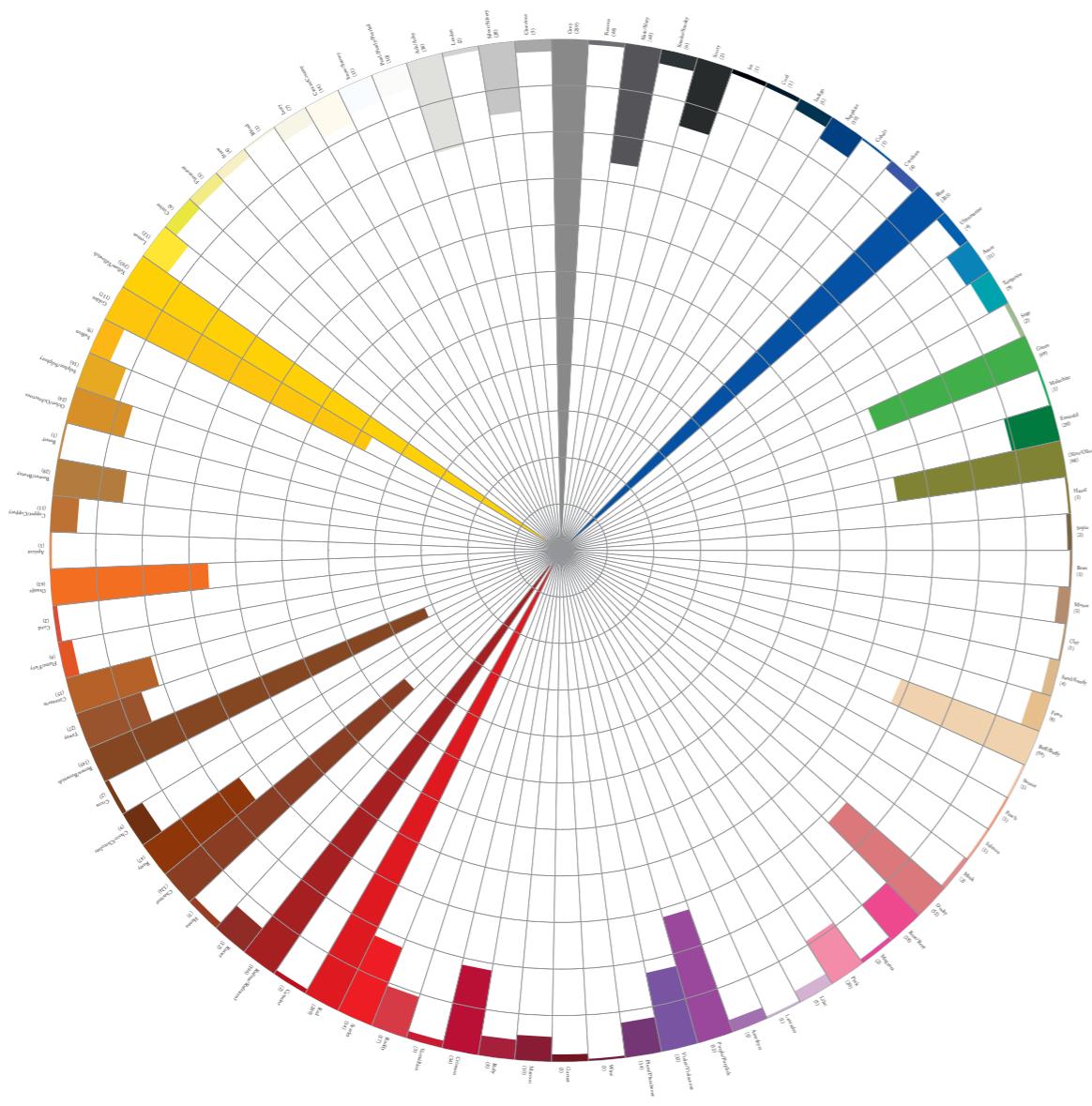
BIRDS WITH COLOUR IN THEIR NAMES [SWATCHES]



- | | | | | | |
|------------------------|---------------------------|----------------------------|----------------------------|---------------------------|-------------------------------|
| 1. Ash/Ashy (38) | 16. Blue (203) | 31. Fawn (8) | 46. Plum/Plumbeous (14) | 61. Rusty (47) | 76. Saffron (9) |
| 2. Leaden (2) | 17. Ultramarine (4) | 32. Buff/Buffy (59) | 47. Wine (1) | 62. Choco/Chocolate (9) | 77. Golden (117) |
| 3. Silver/Silvery (28) | 18. Azure (11) | 33. Sunset (1) | 48. Garnet (3) | 63. Cocoa (2) | 78. Yellow/Yellowish (293) |
| 4. Cinerious (5) | 19. Turquoise (9) | 34. Peach (1) | 49. Maroon (10) | 64. Brown/Brownish (145) | 79. Lemon (12) |
| 5. Grey (259) | 20. Sage (2) | 35. Salmon (1) | 50. Ruby (8) | 65. Tawny (27) | 80. Citrine (6) |
| 6. Fuscous (2) | 21. Green (69) | 36. Musk (2) | 51. Crimson (34) | 66. Cinnamon (35) | 81. Flavescient (5) |
| 7. Slate/Slaty (48) | 22. Malachite (1) | 37. Dusky (52) | 52. Vermillion (3) | 67. Flame/Fiery (6) | 82. Straw (4) |
| 8. Smoke/Smoky (6) | 23. Emerald (20) | 38. Rose/Rosy (18) | 53. Ruddy (17) | 68. Coral (2) | 83. Blond (1) |
| 9. Sooty (28) | 24. Olive/Olivaceous (68) | 39. Magenta (2) | 54. Scarlet (34) | 69. Orange (63) | 84. Ivory (7) |
| 10. Jet (2) | 25. Hazel (1) | 40. Pink (20) | 55. Red (289) | 70. Apricot (1) | 85. Cream/Creamy (14) |
| 11. Coal (2) | 26. Sepia (2) | 41. Lilac (5) | 56. Carmine (2) | 71. Copper/Coppery (11) | 86. Snow/Snowy (11) |
| 12. Indigo (5) | 27. Bran (1) | 42. Lavender (1) | 57. Rufous/Rufescent (196) | 72. Bronze/Bronzy (28) | 87. Pearl/Pearly/Pearled (10) |
| 13. Sapphire (10) | 28. Mouse (5) | 43. Amethyst (5) | 58. Russet (12) | 73. Brassy (1) | |
| 14. Cobalt (1) | 29. Clay (1) | 44. Purple/Purplish (52) | 59. Henna (3) | 74. Ochre/Ochraceous (24) | |
| 15. Cerulean (4) | 30. Sand/Sandy (4) | 45. Violet/Violaceous (32) | 60. Chestnut (124) | 75. Sulphur/Sulphury (16) | |

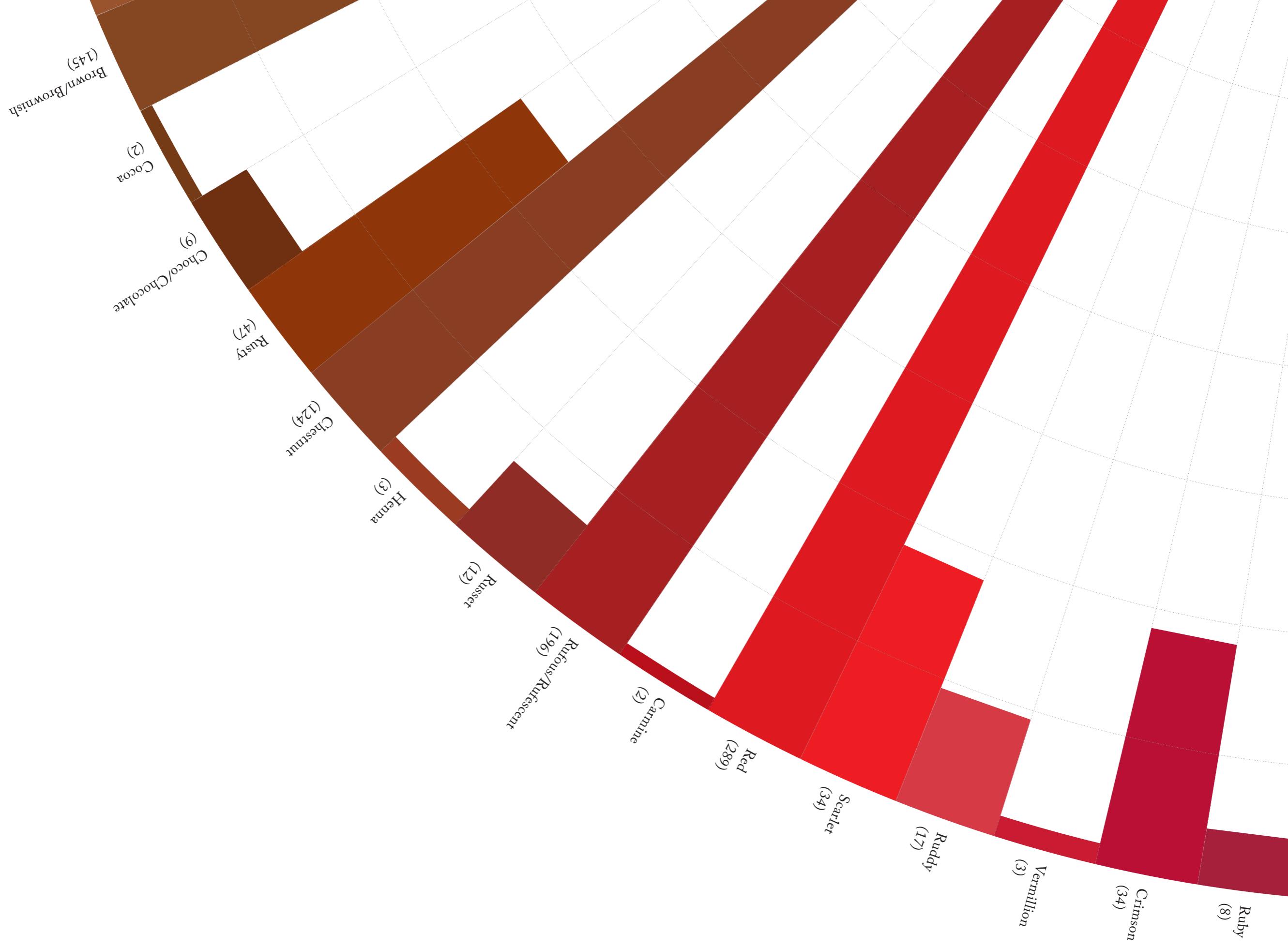
AVIAN TAXONOMY 2b

BIRDS WITH COLOUR IN THEIR NAMES [SWATCHES]

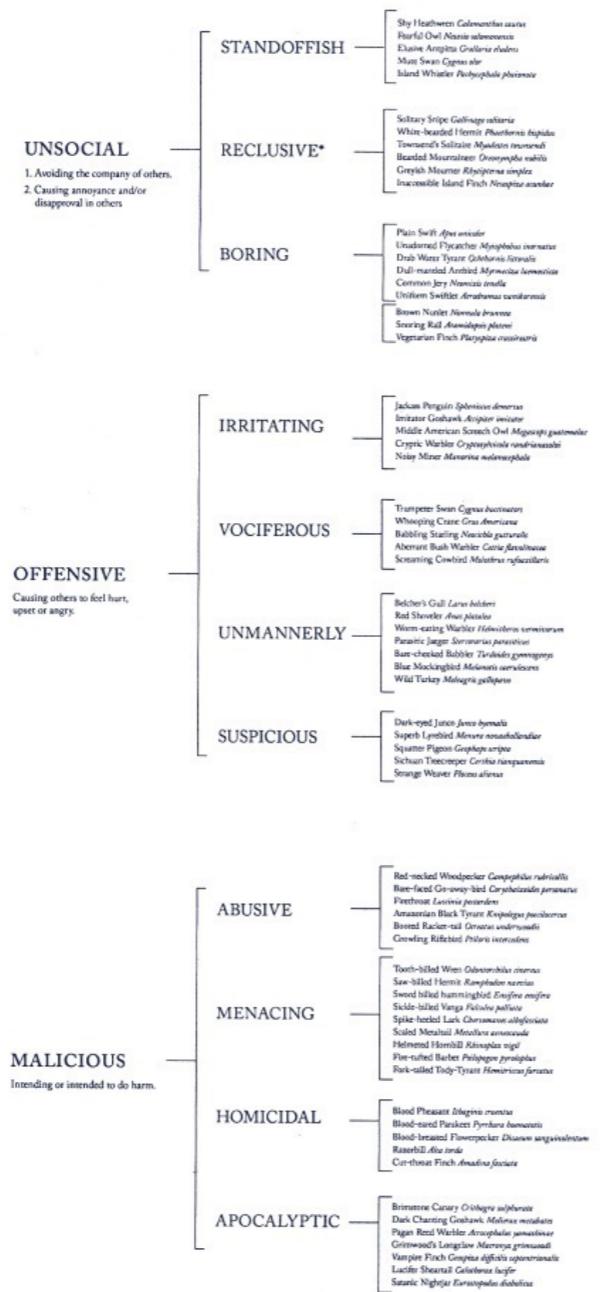


AVIAN TAXONOMY 2c

BIRDS WITH COLOUR IN THEIR NAMES [CHART]



ANTISOCIAL BIRDS



AVIAN TAXONOMY 3a
ANTISOCIAL BIRDS (CHART)

STANDOFFISH

- Shy Heathwren *Calamanthus cautus*
- Fearful Owl *Nesasio solomonensis*
- Elusive Antpitta *Grallaria eludens*
- Mute Swan *Cygnus olor*
- Island Whistler *Pachycephala pectoralis*

RECLUSIVE*

- Solitary Snipe *Gallinago solitaria*
- White-bearded Hermit *Phaethornis hispidus*
- Townsend's Solitaire *Myadestes townsendi*
- Bearded Mountaineer *Oreonympha nobilis*
- Greyish Mourner *Rhytipterna simplex*
- Inaccessible Island Finch *Nesospiza acunhae*

BORING

- Plain Swift *Apus unicolor*
 - Unadorned Flycatcher *Myiophobus inornatus*
 - Drab Water Tyrant *Ochthornis littoralis*
 - Dull-mantled Antbird *Myrmeciza laemosticta*
 - Common Jery *Neomixis tenella*
 - Uniform Swiftlet *Aerodramus vanikorensis*
-
- Brown Nunlet *Nonnula brunneata*
 - Snoring Rail *Aramidopsis plateni*
 - Vegetarian Finch *Platyspiza crassirostris*

IRRITATING

- Jackass Penguin *Spheniscus demersus*
- Imitator Goshawk *Accipiter imitator*
- Middle American Screech Owl *Megascops guatemalae*
- Cryptic Warbler *Cryptosylvicola randrianasoloi*
- Noisy Miner *Manorina melanocephala*

- Trumpeter Swan *Cygnus buccinator*
- Whooping Crane *Grus americana*

ABUSIVE

Red-necked Woodpecker *Campephilus rubricollis*
Bare-faced Go-away-bird *Corythaixoides personatus*
Firethroat *Luscinia pectardens*
Amazonian Black Tyrant *Knipolegus poecilοcercus*
Booted Racket-tail *Ocreatus underwoodii*
Growling Riflebird *Ptiloris intercedens*

MENACING

Tooth-billed Wren *Odontorchilus cinereus*
Saw-billed Hermit *Ramphodon naevius*
Sword-billed hummingbird *Ensifera ensifera*
Sickle-billed Vanga *Falculea palliata*
Spike-heeled Lark *Chersomanes albofasciata*
Scaled Metaltail *Metallura aeneocauda*
Helmeted Hornbill *Rhinoplax vigil*
Fire-tufted Barbet *Psilopogon pyrolophus*
Fork-tailed Tody-Tyrant *Hemitriccus furcatus*

HOMICIDAL

Blood Pheasant *Ithaginis cruentus*
Blood-eared Parakeet *Pyrrhura haematonotus*
Blood-breasted Flowerpecker *Dicaeum sanguinolentum*
Razorbill *Alca torda*
Cut-throat Finch *Amadina fasciata*

APOCALYPTIC

Brimstone Canary *Critchagra sulphurata*
Dark Chanting Goshawk *Melierax metabates*
Pagan Reed Warbler *Acrocephalus yamashiniae*
Grimwood's Longclaw *Macronyx grimwoodi*
Vampire Finch *Geospiza difficilis septentrionalis*
Lucifer Sheartail *Calothorax lucifer*
Satanic Nightjar *Eurostopodus diabolicus*



AVIAN TAXONOMY 5 BIRDS WITH SMUTTY NAMES

1. Agile Tit-Tyrant *Anairetes agilis*
2. Masked Booby *Sula dactylatra*
3. Red-knobbed Coot *Fulica cristata*
4. Purple Honeycreeper *Cyanerpes caeruleus*
5. Pearly-eyed Thrasher *Margarops fuscatus*

6. Giant Nuthatch *Sitta magna*
7. Crested Tit-warbler *Leptopoecile elegans*
8. Hooded Berryeater *Carpodectes cucullata*
9. Red-throated diver *Gavia stellata*
10. Moustached Flowerpiercer *Diglossa mystacalis*

11. Ocellated Thrasher *Toxostoma ocellatum*
12. Buzzy Flowerpecker *Dicaeum hypoleucum*
13. Horned Screamer *Anhima cornuta*
14. Erect-crested Penguin *Eudyptes sclateri*
15. Rough-faced Shag *Leucocarbo carunculatus*

16. Creamy-bellied Thrush *Turdus amaurochalinus*
17. Caucasian Snowcock *Tetraogallus caucasicus*
18. Oriental Darter *Anhinga melanogaster*
19. Brown Trembler *Cinclocerthia ruficauda*
20. Sexual Sparrow *Passer ammodendri*

1. Agile Tit-Tyrant *Anairetes agilis*
2. Masked Booby *Sula dactylatra*
3. Red-knobbed Coot *Fulica cristata*
4. Purple Honeycreeper *Cyanerpes caeruleus*
5. Pearly-eyed Thrasher *Margarops fuscatus*
6. Giant Nuthatch *Sitta magna*
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9. Red-throated diver *Gavia stellata*
10. Moustached Flowerpiercer *Diglossa mystacalis*
11. Ocellated Thrasher *Toxostoma ocellatum*
12. Buzzing Flowerpecker *Dicaeum hypoleucum*
13. Horned Screamer *Anhima cornuta*
14. Erect-crested Penguin *Eudyptes sclateri*
15. Rough-faced Shag *Leucocarbo carunculatus*
16. Creamy-bellied Thrush *Turdus amaurochalinus*
17. Caucasian Snowcock *Tetraogallus caucasicus*
18. Oriental Darter *Anhinga melanogaster*
19. Brown Trembler *Cinclocerthia ruficauda*
20. Saxual Sparrow *Passer ammodendri*

Chris Gaul



CALL NUMBER TELEPHONE

<https://vimeo.com/49225169>



LIBRARY FREQUENCY TUNER

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DEWEY SPECTROMETRY

A Dewey spectrogram describes a library collection by measuring the relative quantity of materials under each of its subject headings.

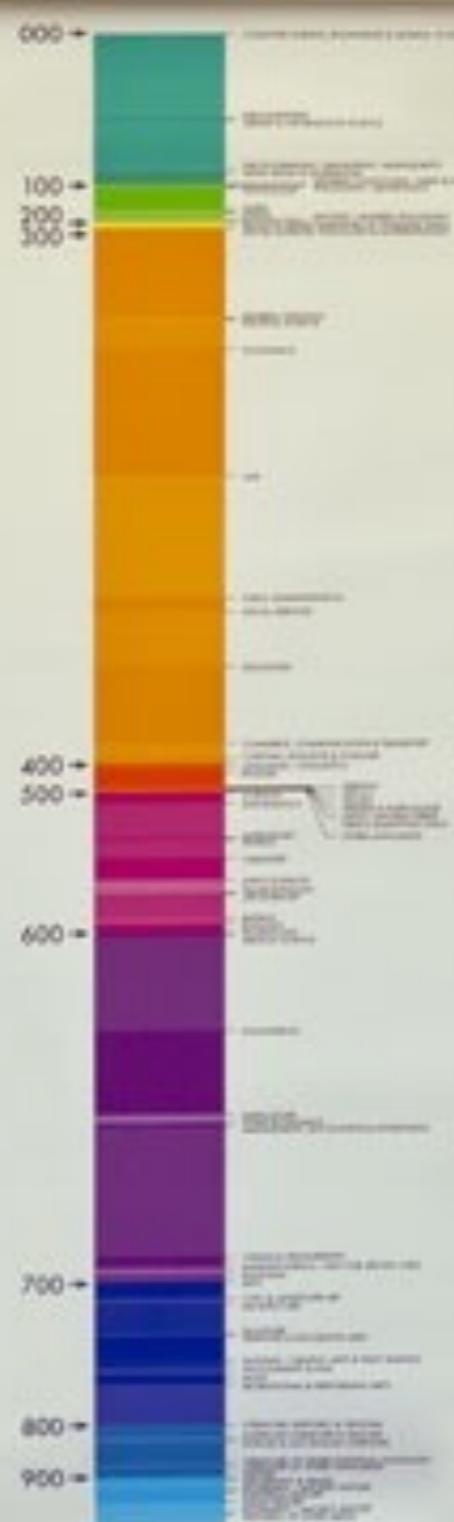
A numerical table of call numbers, known as a spectrometric table, is used to create the spectrogram (or spectrograph), where each subject is represented by a colour in the spectrum of visible light.

- 000 Computer Science, Information & Systems
- 100 Philosophy, Psychology
- 200 Religion
- 300 Social Sciences
- 400 Languages
- 500 Science & Mathematics
- 600 Technology & Applied Science
- 700 Arts
- 800 Literature
- 900 History & Geography

THE DEWEY DECIMAL SYSTEM

Books and other printed materials are the basic building blocks of the physical collections of libraries. They are grouped using Classification System such as the Dewey Decimal System.

The Dewey Decimal System was designed in 1876 as a method for organising information from all fields of knowledge. Each physical item in a collection is assigned a Dewey Number that describes its content and shelf location. There are ten Classes (above) that are each comprised of Divisions (shown in the diagram to the right).



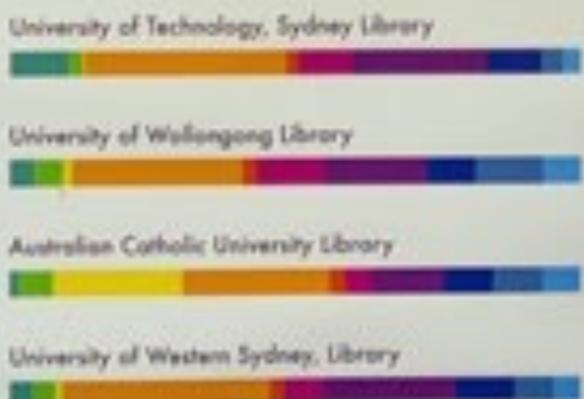
DEWEY SPECTROMETRY: U.T.S. LIBRARY SPECTROGRAPH

U.T.S. LIBRARY SPECTROGRAM

The spectrogram to the left is comprised of the 813,647 items with Dewey Numbers in the Library of the University of Technology, Sydney.

COMPARING LIBRARIES

Spectrographic Surveys are useful tools for comparing the structure of library collections. The diagrams below show the spectral variations between four libraries:



Relative sizes of collections:



DATA COURTESY OF THE LIBRARIES LISTED ABOVE AND CURRENT AS OF 2014

-
- COMMERCE, COMMUNICATION & TRANSPORT
 - CUSTOMS, ETIQUETTE & FOLKLORE
 - LANGUAGE / LINGUISTICS
 - ENGLISH
 - SCIENCES
 - MATHEMATICS
 - ASTRONOMY
 - PHYSICS
 - CHEMISTRY
 - EARTH SCIENCES
 - PALAEONTOLOGY
 - LIFE SCIENCES
 - BOTANY
 - ZOOLOGY
 - TECHNOLOGY
 - MEDICAL SCIENCE
- GERMAN
FRENCH
ITALIAN
SPANISH & PORTUGUESE
LATIN / ANCIENT GREEK
(TRACE QUANTITIES ONLY)
OTHER LANGUAGES

UTS Library Catalogue Articles 85,415 Databases 2

Catalogue Search... Q Search Search within results MyLibrary BONUS+ Help Feedback

AVAILABILITY
Available 402 Other 1

TYPE
Blog 2 Book 11 e-Reading 1

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FORMAT
Microform 1 Other 4 Print 202

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LOCATION
City Campus 73 Kuring-Gai Campus 20 Library Retrieval System 120

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UTS SUBJECT
013112 Research Design 1 87555 VC Project: Design Practice 1

UTS LECTURER
Sadzikas, Zoe 1 Teena Clerke 1

LANGUAGE
English 107 Italian 1 Spanish 2

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AUTHOR
Allan, Barbara 1 Allen, Stan 1 Balney, Kenneth R 2

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Keyword: library projects x

Beyond book issues : the social potential of library projects
Author: Matarasso, Francois
Publisher: [Great Britain] : Comedia, 1998.
Print

Library Retrieval System 021.2 MATA Request From UTS

Survey of library & museum digitization projects
Additional Title: Survey of library and museum digitization projects
Publisher: New York : Primary Research Group, c2010.
Print

City Campus 025.20265 SURV (2011.ED) Available

Collaborative library research projects : inquiry that stimulates the senses
Author: Veldman, John D.
Publisher: Westport, Conn. : Libraries Unlimited, 2008.
Print

Library Retrieval System 025.5674 VOLK Request From UTS

Harrod's librarians' glossary and reference ...reference book : a directory of over 10,200 terms, organizations, projects and acronyms in the areas of information management, library science, publishing and archive management
Additional Title: Librarians' glossary and reference book
Author: Pritchard, Raymond John
Publisher: Aldershot, Hants, England ; Burlington, VT : Ashgate, c2005.
Print

Library Retrieval System 020.3 PRYR (S.D.10) Request From UTS

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Additional Title: Librarians' glossary and reference book

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UTS Library Catalogue Articles 85,415 Databases 2

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FORMAT
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LOCATION
City Campus 2 Kuring-Gai Campus 2 Library Retrieval System 7

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AUTHOR
Ardag, Philip 1 Christ, Robert D 1 DeBoer, Warren R 1

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PUBLICATION YEAR
2012 2 2011 1 2010 1

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Handbook of postcolonial archaeology
Publisher: Walnut Creek, Calif. : Left Coast Press, c2010.
Web

Online Available

Handbook of space engineering, archaeology, and heritage
Publisher: Boca Raton : CRC Press, c2009.
Web

Online Available

International handbook of historical archaeology
Publisher: New York : Springer, 2009.
Web

Online Available

Handbook of South American archaeology
Additional Title: South American archaeology
Publisher: New York : Springer, c2008.
Web

Online Available

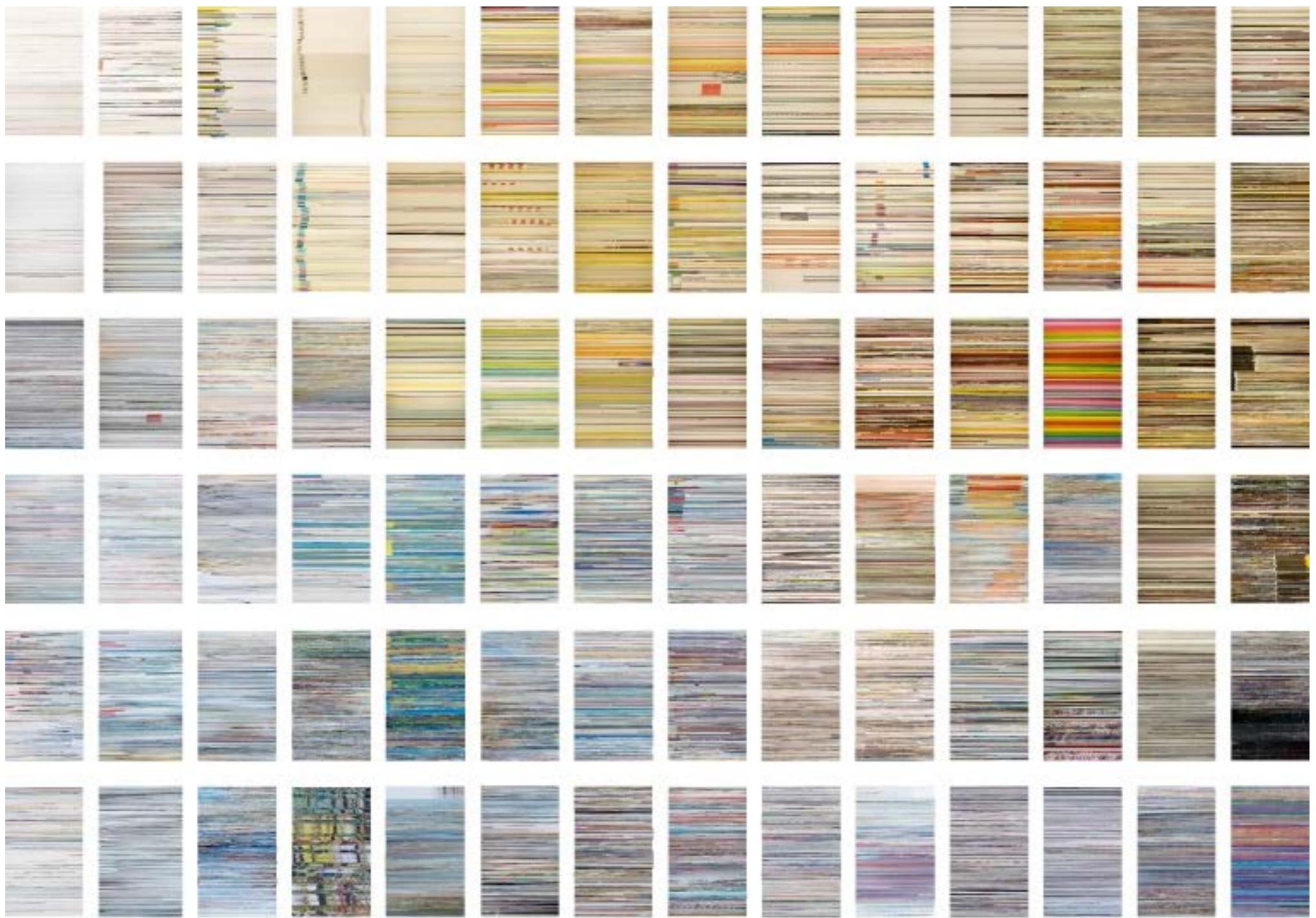
Darwin and archaeology a handbook of key concepts
Publisher: Westport, Conn. : Bergin & Garvey, 2002.
Web

Online Available

300 400 500 600 700 800

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Katie Dean

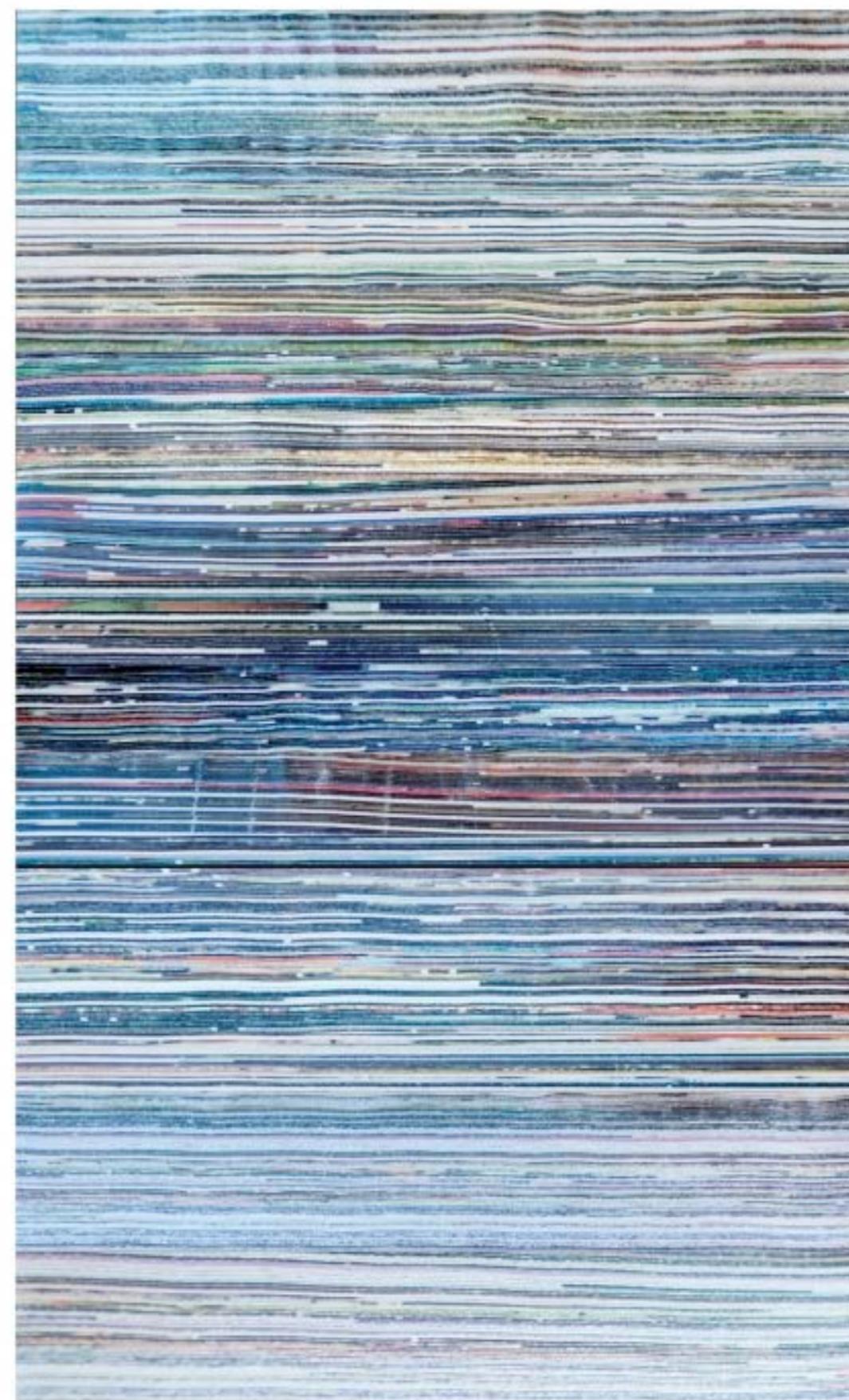




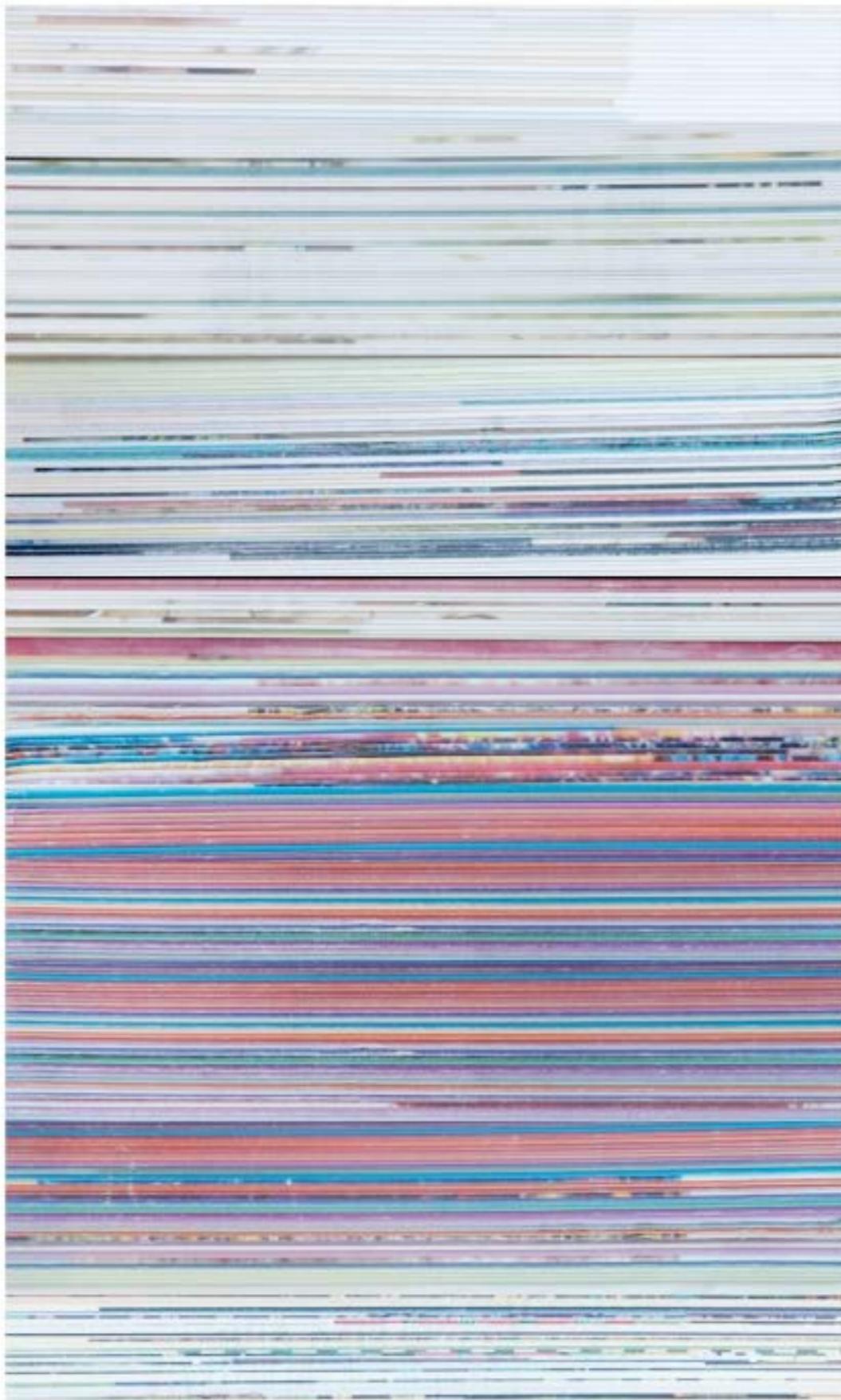
ARCHITECTURAL DESIGN



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HELLO



KNITTING WEEKLY



ART ASIA PACIFIC

Gemma Warriner

TWENTY-FIFTY

VISUALISATIONS OF THE 2050 FOOD CRISIS

TWENTY-FIFTY

VISUALISATIONS OF THE FOOD CRISIS

GEMMA WARRINER // 2013

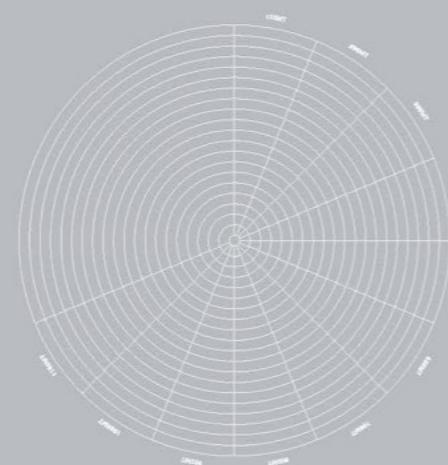
A VISUAL DATA EXPLORATION OF THE TWO THOUSAND AND FIFTY GLOBAL FOOD CRISIS.

PROJECT OUTCOME // 2013

TWENTY-FIFTY

VISUALISATIONS OF THE 2050 FOOD CRISIS

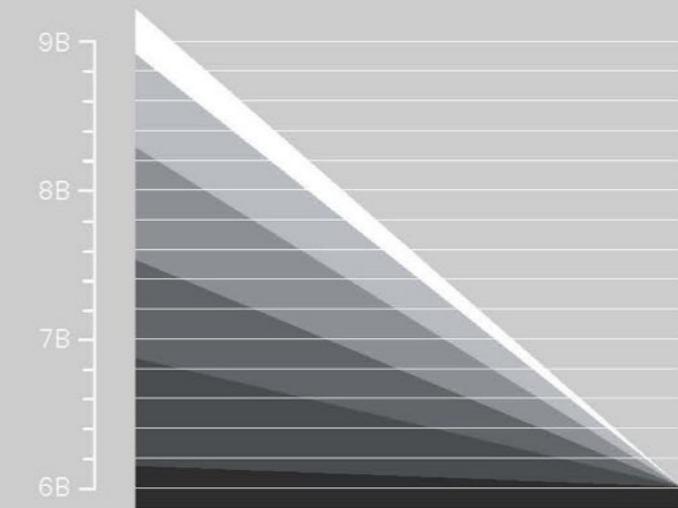




■ Cereals ■ Sugar
■ Produce ■ Dairy
■ Oil Crops ■ Fish
■ Meat MT = Million Tonnes



VISUALISATIONS OF THE 2050 FOOD CRISIS



POPULATION GROWTH

Visualisation: Global Population Growth, Actual and Projected, 2000 - 2050

The growth in human population is conceivably the most significant driver of the global food crisis and is predicted to escalate significantly over the next 40 years. Anticipating an increase of up to 2.7 billion people worldwide by 2050, a total estimated population of over 9.3 billion will place substantial pressures on agriculture and already insufficient global resources.

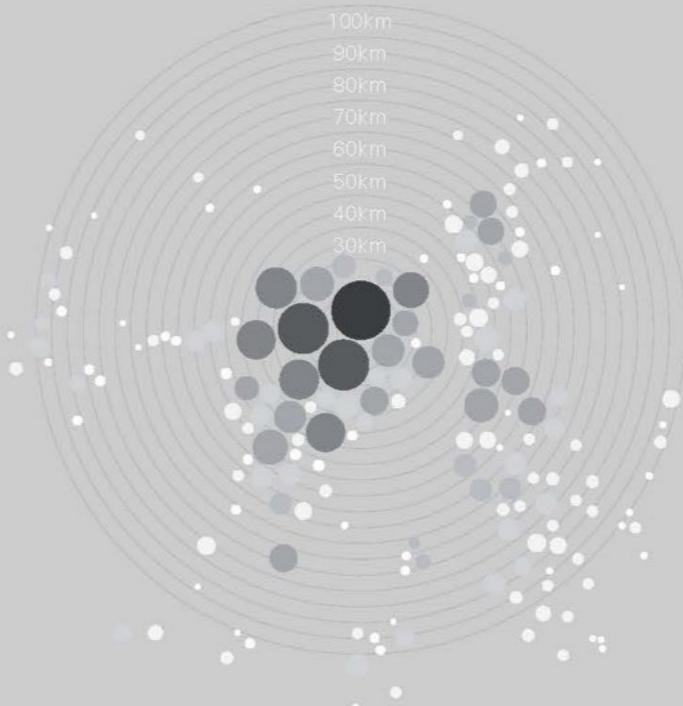
Source: UN, Dept. of Economic and Social Affairs, Population Division (2011). World Population Prospects: The 2010 Revision. 1950 - 2010 are estimates and from 2011 - 2100 are projected populations in the medium-fertility variant.



- More than 10 million
- 8 - 10 million
- 6 - 8 million
- 4 - 6 million
- 2 - 4 million
- 1 - 2 million
- Less than 1 million

Km = Kilometres from City

0 20km



URBANISATION

Visualisation: Urban Environment Mean Global Population Density, 2050

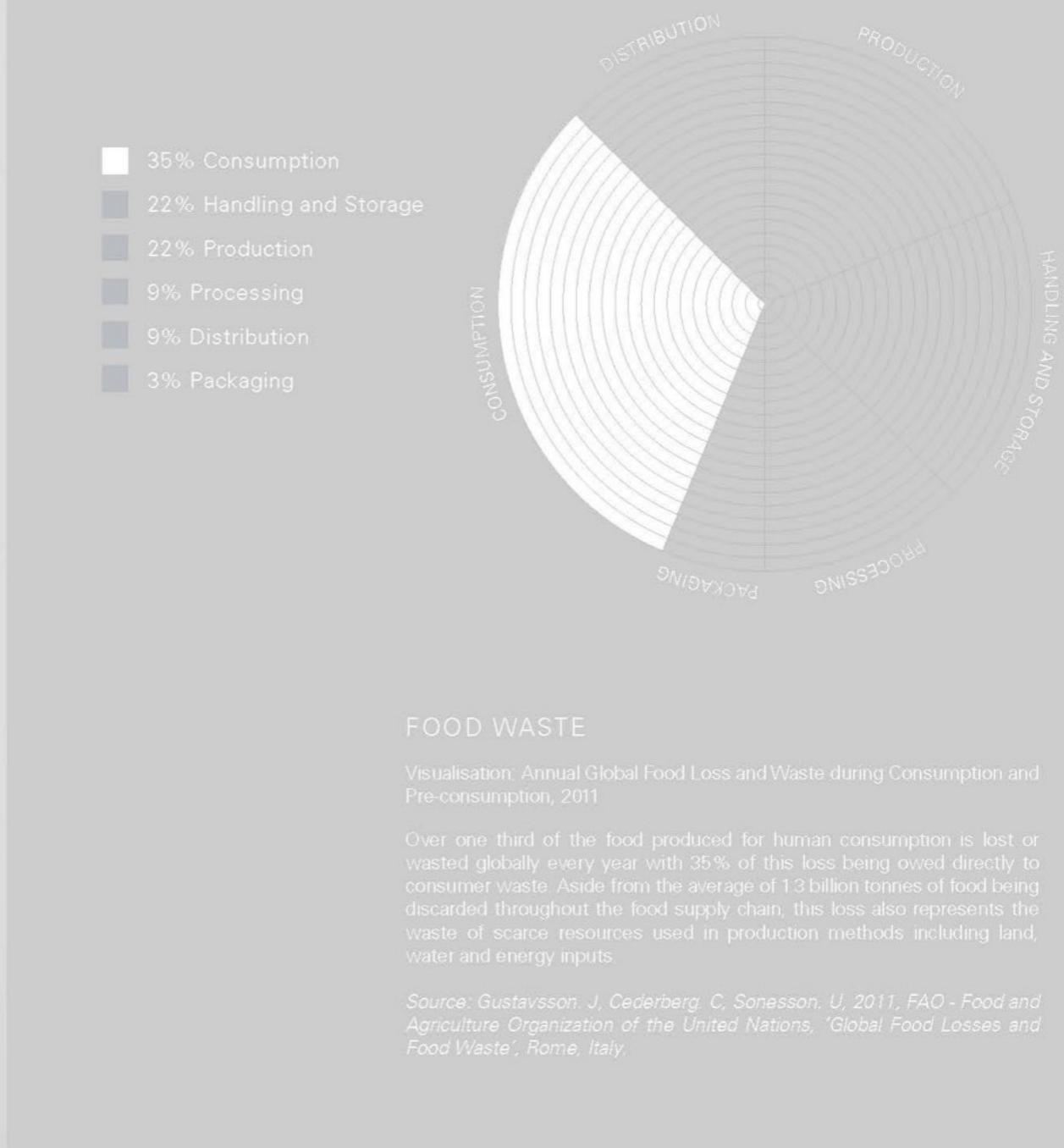
The urbanisation phenomenon is in rapid progression across all cultures and continents worldwide. Parallel to the predicted growth in human population, the urban population is projected to reach 60% of the total global population by 2030 and 70% by the year 2050. As the number of people continue to grow and urbanise, more food is demanded by a population of net food buyers (urban population), a food demand which must be met by rural agriculture.

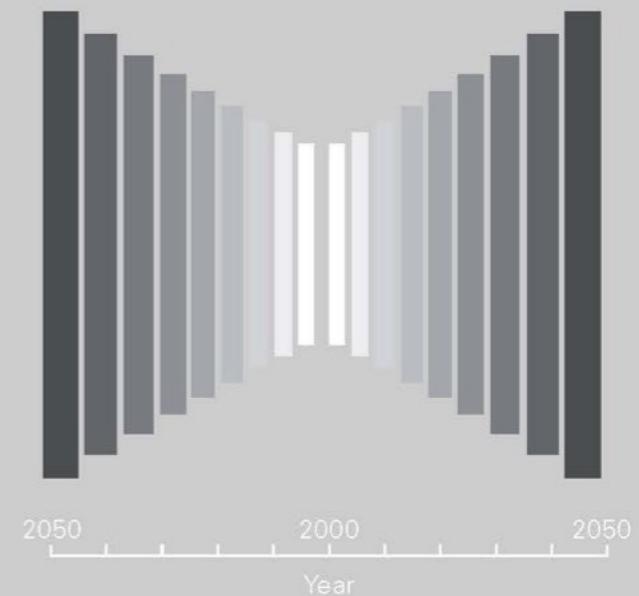
Source: Matuschke, I., 2009, FAO - Food and Agriculture Organization of the United Nations, 'Rapid Urbanization and Food Security: Using Food Density Maps to Identify Future Food Security Hotspots', pp. 4 - 9.



In the pursuit to keep up with the food demands of the growing global population and calorie intake per capita, an anticipated 70% increase in food production will be required by the year 2050. The global production of cereals (comprising of wheat, rice and maize), which account for about 50% of human consumption, will increase by 1200 million tonnes as of 2050. Other commodities such as fresh produce, oil, meat and sugar will also need to increase significantly in order to meet demand.

Source: Bouwman, A.F. 1997. FAO 'Corporate Document Repository, Long-term Scenarios of Crop Land Use in Developing Countries', Section No 5. Crop Production.





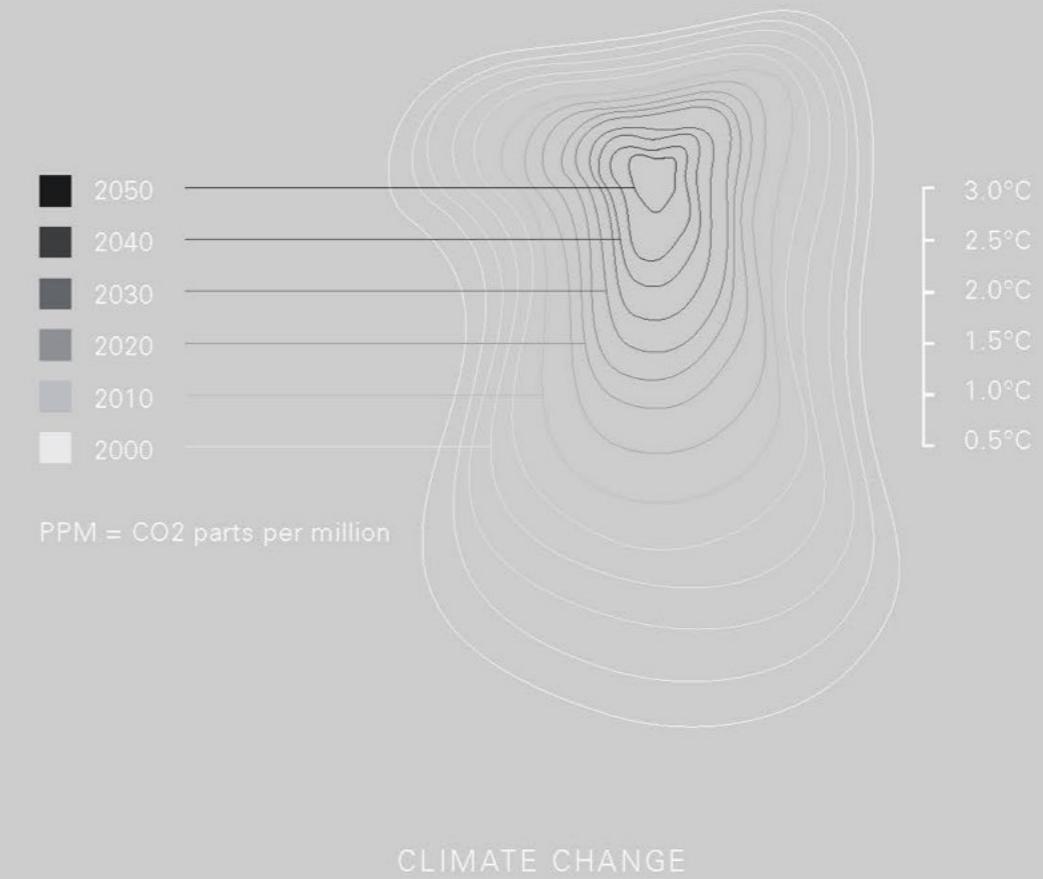
GENETIC MODIFICATION

Visualisation: Projected Global Genetically Modified Crop Area, 2000 - 2050

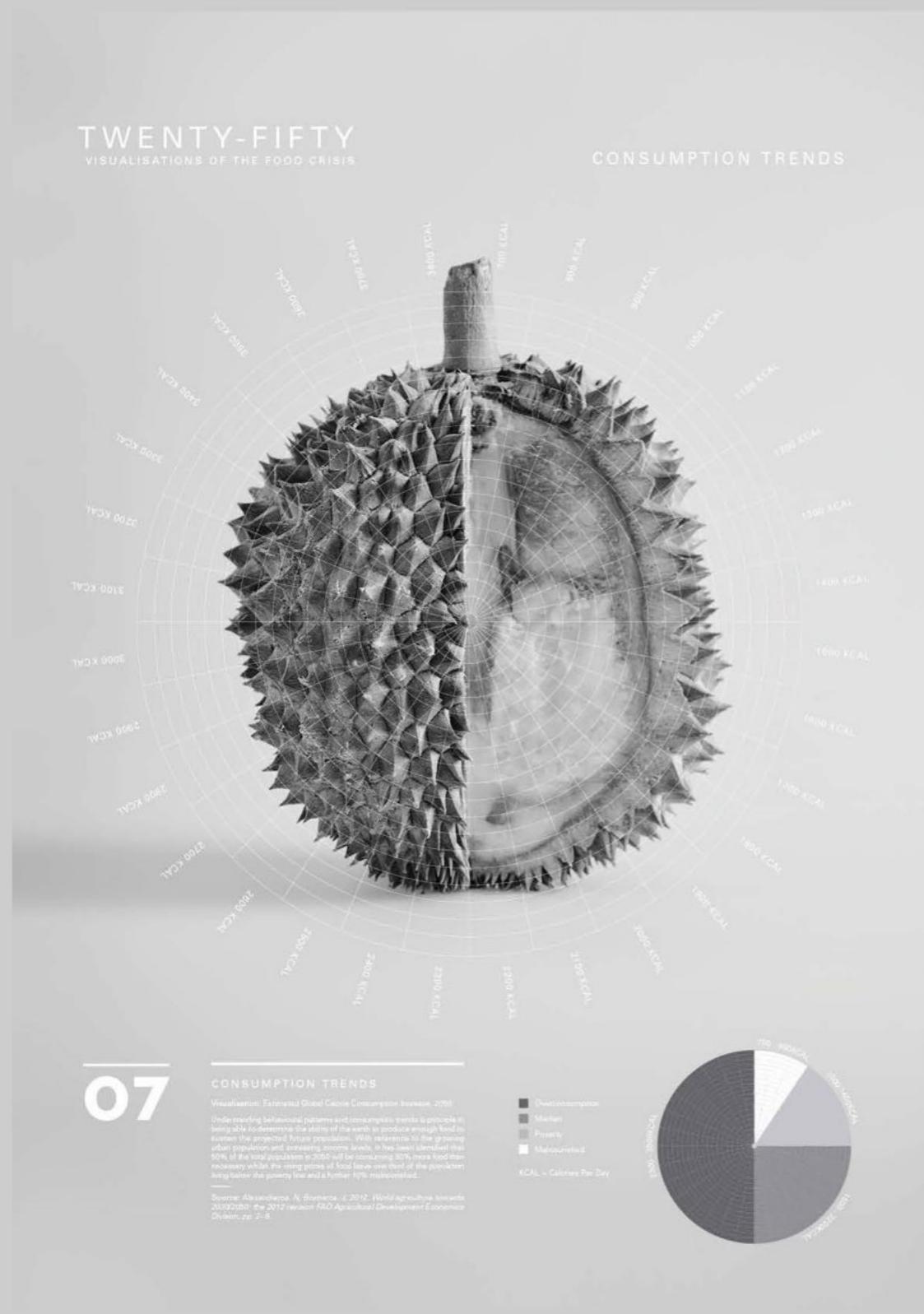
By the year 2050, genetically modified crop-land is expected to increase by 90%, consuming arable land at a growth rate of roughly 1.6 million hectares each year. The repercussions of increased genetically modified yields pose a multitude of threats to the environment, natural ecosystem and biodiversity, presenting an optimistic short-term outlook whilst providing the foundations for long-term adversity.

Source: FAO, June 2009, Food and Agriculture Organization of the United Nations, *How to Feed the World in 2050*, Rome, Italy.

TWENTY-FIFTY
VISUALISATIONS OF THE FOOD CRISIS

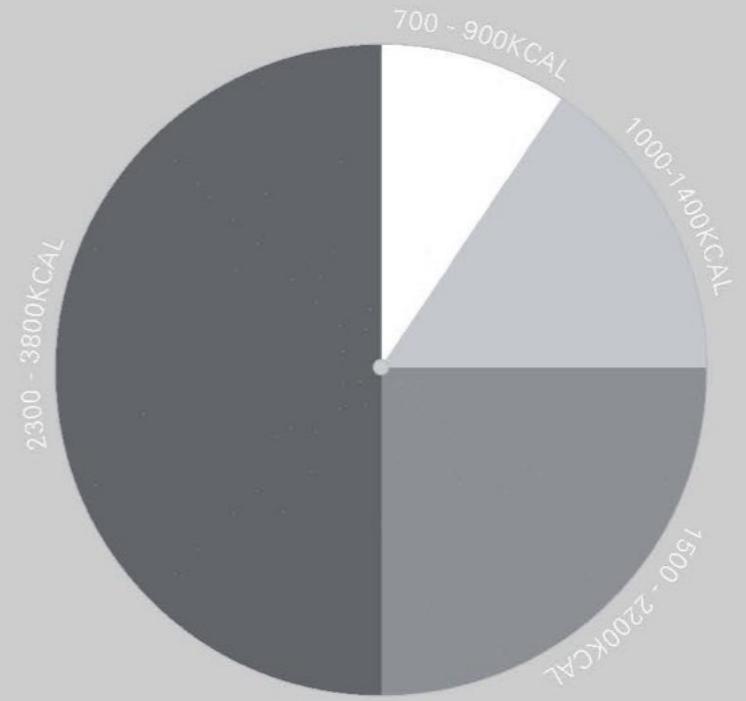


Source: Dumoiard, G., Hulme, P. 2013. CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS). CCAFS Working Paper No. 34, pp. 23 - 25.



- Overconsumption
- Median
- Poverty
- Malnourished

KCAL = Calories Per Day



CONSUMPTION TRENDS

Visualisation: Estimated Global Calorie Consumption Increase, 2050

Understanding behavioural patterns and consumption trends is principle in being able to determine the ability of the earth to produce enough food to sustain the projected future population. With reference to the growing urban population and increasing income levels, it has been identified that 50% of the total population in 2050 will be consuming 30% more food than necessary whilst the rising prices of food leave one third of the population living below the poverty line and a further 10% malnourished.

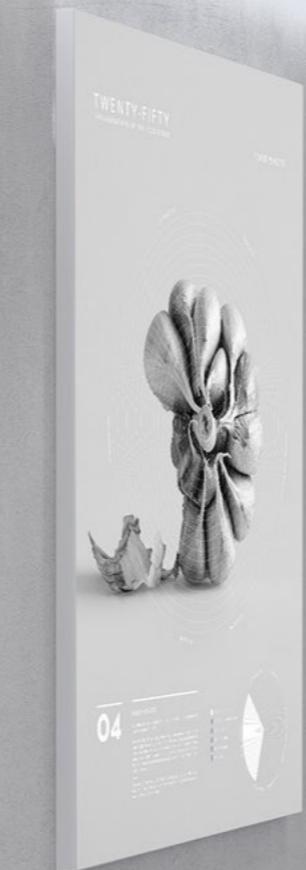
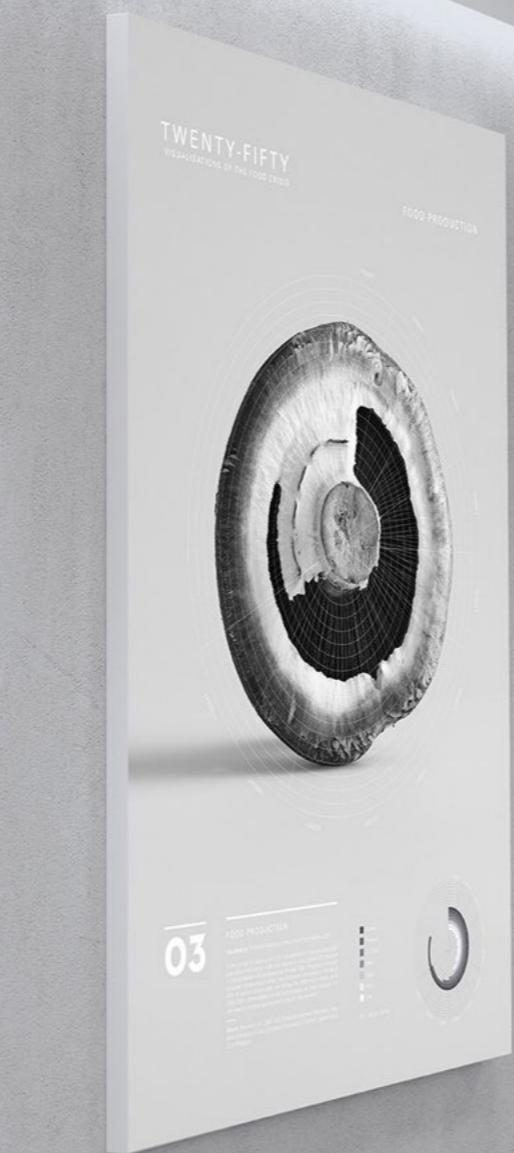
Source: Alexandratos, N., Bruinsma, J. 2012. World agriculture towards 2030/2050: the 2012 revision FAO Agricultural Development Economics Division, pp. 2 - 8.



Agrobiodiversity refers to the variety and variability of animals, plants and micro-organisms that are used either directly or indirectly for food and agriculture (FAO, 1999). Globally, biodiversity in crop variety is projected to decline 90% by the year 2050, leaving the remaining 10% to support our consumption demands. The loss of biodiversity an essential resource for agriculture and food production, reduces the stability and resilience of both plant and animal species, resulting in the dependence and increased utilisation of chemical fertilisers.

Source: Nelleman, C, MacDevette, M 2009, *The Environmental Food Crisis - The Environment's Role in Averting Future Food Crises: A UNEP Rapid Response Assessment*. United Nations Environment Programme.







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