



Board of Surveying
& Spatial Information

BOSSI Statistical Review 2018-2019

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30 June 2019

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Introduction

The Board of Surveying and Spatial Information (BOSSI) is a statutory board constituted under the *Surveying and Spatial Information Act 2002*. Its principal functions are:

- The registration of surveyors.
- The investigation of complaints against registered surveyors.
- The taking of disciplinary action against registered surveyors.
- The investigation of matters referred to it by the Minister for advice or report in relation to surveying or any other aspect of the spatial information industry.
- The investigation of, and the provision of advice to the Minister with respect to, the practice to be followed in the conduct of surveys or in the collection, collation and dissemination of any other kinds of spatial information.
- The provision of advice to the Minister on the maintenance of the integrity of the State cadastre.
- The provision of advice to the Minister with respect to any other matter in connection with the administration of the *Surveying and Spatial Information Act 2002*.

BOSSI Register

The BOSSI Register contains details for all registered surveyors and candidate surveyors since 1929 when the first Surveyors Act was enacted in NSW and the Board of Surveyors (BOS) was formed under that Act. In 2002 the Board of Surveyors was renamed the Board of Surveying and Spatial Information (BOSSI) when the Surveying and Spatial Information Act was enacted.

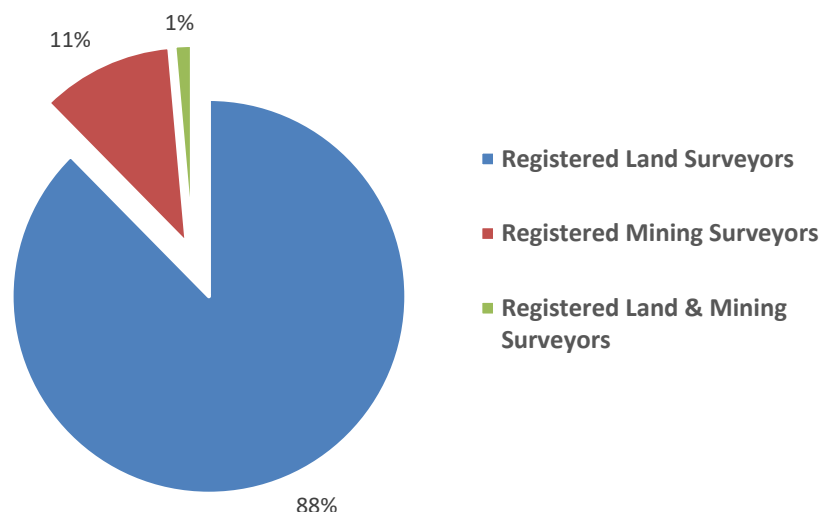
Currently the Register contains 1059 financial registered surveyors and 241 financial candidate surveyors.

Financial Registered

Surveyors

BOSSI registers surveyors in two disciplines being land surveying and mining surveying. Current number of financial registered surveyors as of 30 June 2019 is as follows:

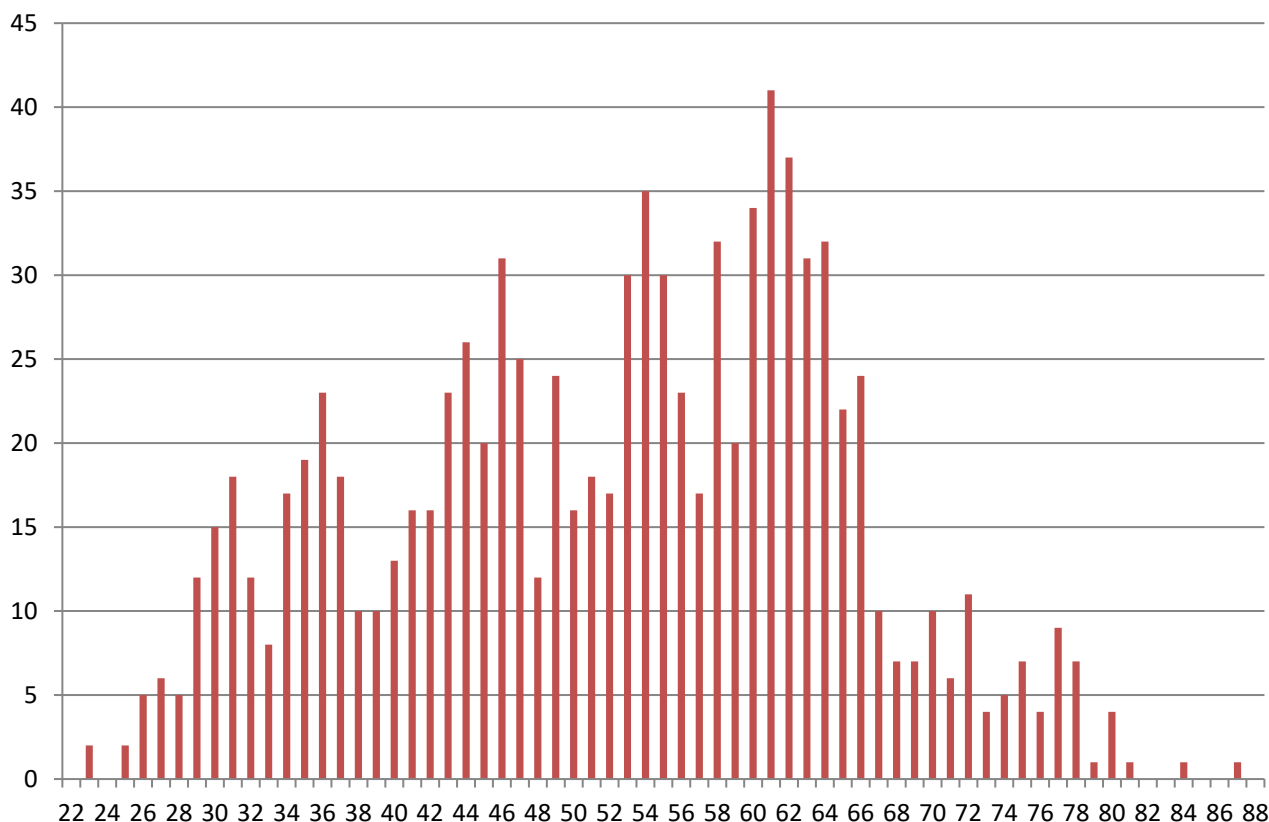
Registered Land Surveyors	928
Registered Mining Surveyors	116
Registered Land & Mining Surveyors	15
Total	1059



Registered Land Surveyors

Age

The age range of financial registered land surveyors is shown below. The average age of financial registered land surveyors on the Board's register is 52 and the age group with the largest number of surveyors is the 61 year age group. The oldest financial registered surveyor is 87 and the youngest is 23.



Degree

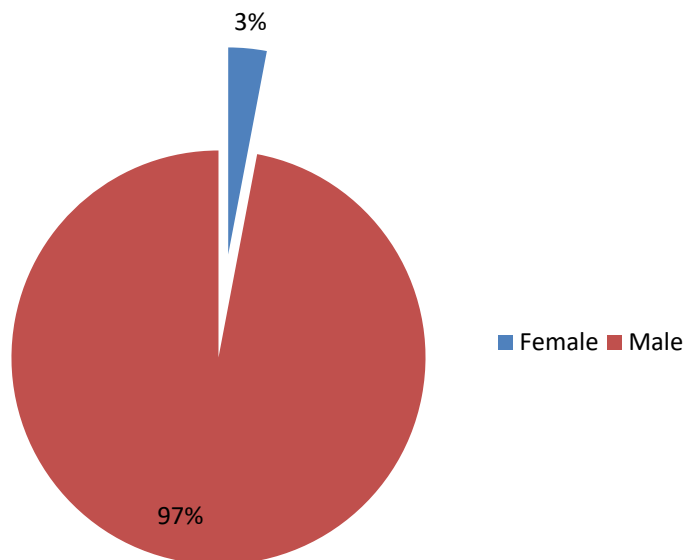
The names of the institutions where current financial registered land surveyors have gained their recognised qualifications are listed in the table below:

UNIVERSITY OF NEW SOUTH WALES	465
UNIVERSITY OF NEWCASTLE	205
UNIVERSITY OF SOUTHERN QUEENSLAND	42
INSPECTION	40
QUEENSLAND UNIVERSITY OF TECHNOLOGY	34
WA INSTITUTE OF TECHNOLOGY	21
ROYAL MELBOURNE INSTITUTE OF TECHNOLOGY	18
OTAGO UNIVERSITY NZ	15
UNIVERSITY OF TASMANIA	9
CURTIN UNIVERSITY	7
UNIVERSITY OF MELBOURNE	5
UNIVERSITY OF SOUTH AUSTRALIA	4
CANBERRA COLLEGE OF ADVANCE EDUCATION	2
CANBERRA UNIVERSITY	2
RUSSIA	2

UNIVERSITY OF CAPE TOWN	2
UNIVERSITY OF WARSAW	2
AGH UNIVERSITY OF SCIENCE & TECHNOLOGY	1
AMIR KABIR UNIVERSITY OF TECHNOLOGY	1
BOCHUM TERTIARY COLLEGE	1
LA PLATA UNIVERSITY	1
MELBOURNE UNIVERSITY	1
NORTHERN TERRITORY QUALIFICATIONS	1
OREGON STATE UNIVERSITY	1
SOUTH AUSTRALIA INSTITUTE OF TECHNOLOGY	1
SURVEYOR'S CERTIFICATE OF COMPETENCY	1
UNIVERSITY OF BELGRADE	1
UNIVERSITY OF CALGARY	1
UNIVERSITY OF ISFAHAN	1
UNIVERSITY OF NOTTINGHAM	1
UNIVERSITY OF QUEENSLAND	1
UNIVERSITY OF ZIMBABWE	1
WROCLAW UNIVERSITY	1
WUHAN TECHNICAL UNIVERSITY	1
Not Specified	51

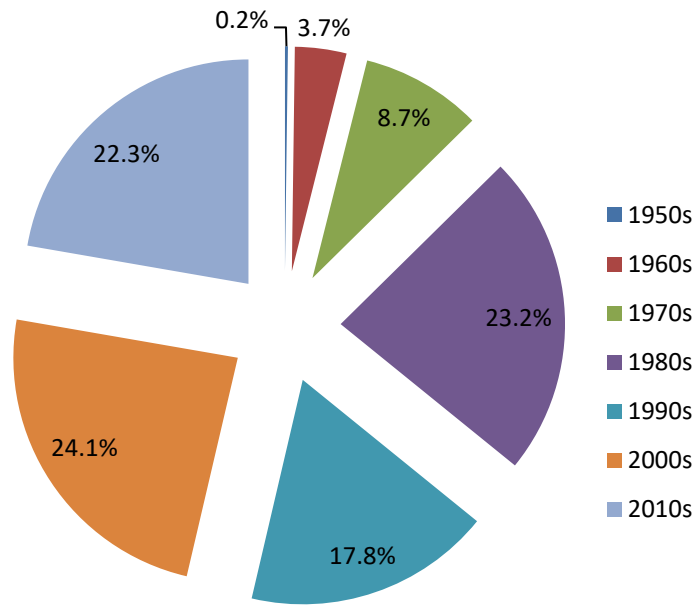
Gender

The gender breakdown of financial registered land surveyors is currently 913 male and 30 female.

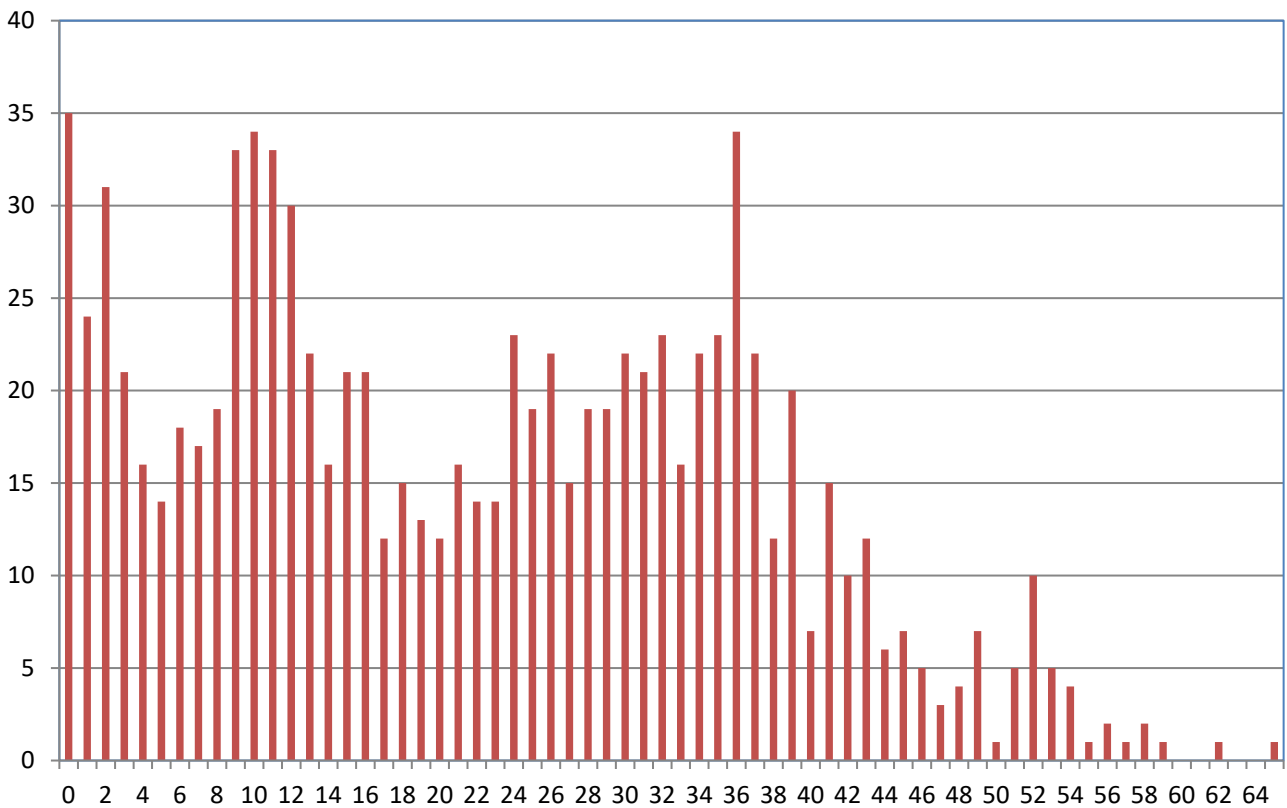


Registration

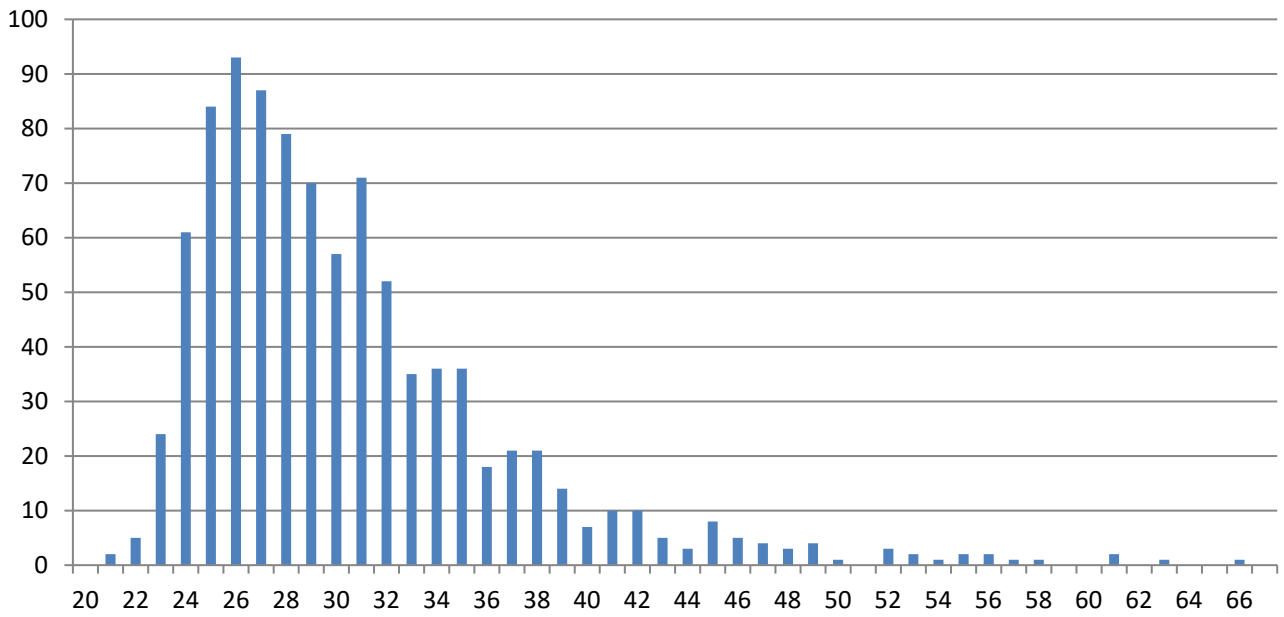
The initial registration year of the current financial registered land surveyors spans from the 50s to the present date. The below graph shows a breakdown by decade.



The following graph shows the length of time current financial registered land surveyors have been registered. The longest span of registration is 65 years, with the average being 22 years.



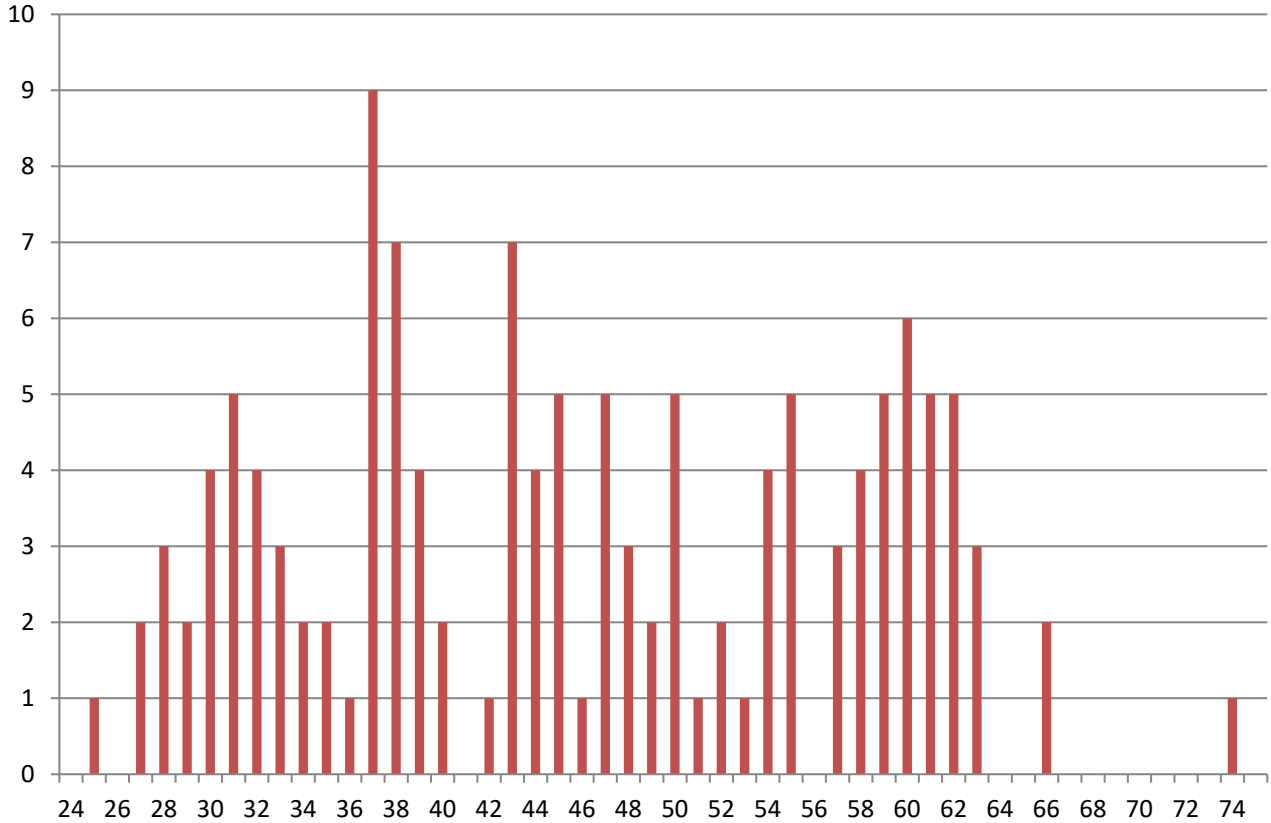
The age of land surveyors when they have gained registration is displayed below. Most surveyors gained their initial registration in their 20s, with the youngest being 21 and the oldest being 66. The average age is 31 with the largest age group being 26 years.



Registered Mining Surveyors

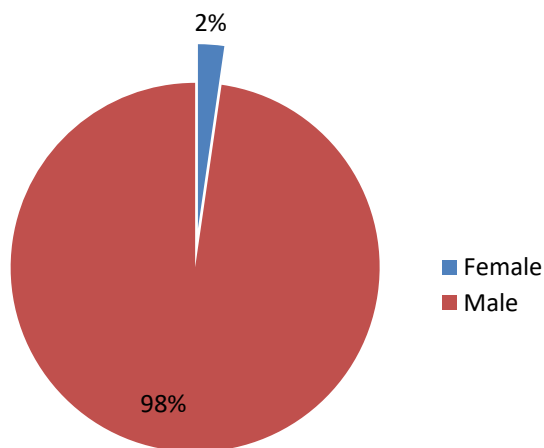
Age

The age range of financial registered mining surveyors is shown below. The average age of financial registered mining surveyors on the Board's register is 46 and the age group with the largest number of surveyors is the 37 year age group. The oldest financial registered mining surveyor is 74 and the youngest is 25.



Gender

The gender breakdown of financial registered mining surveyors is currently 128 male and 3 female.



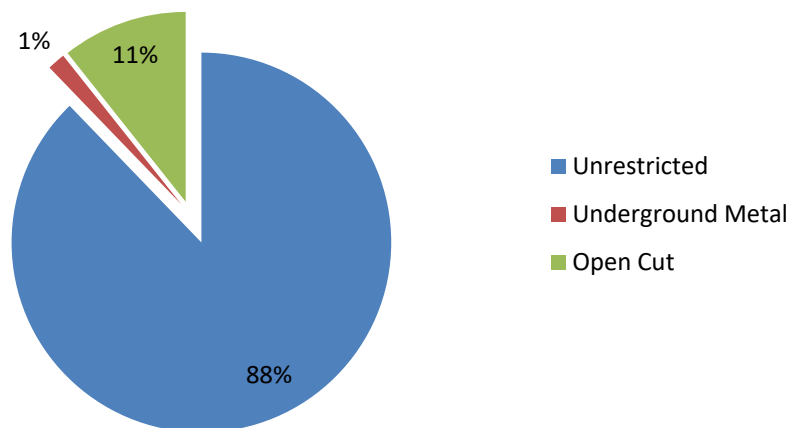
Degree

The names of the institutions where current financial registered mining surveyors have gained their recognised qualifications are listed in the table below:

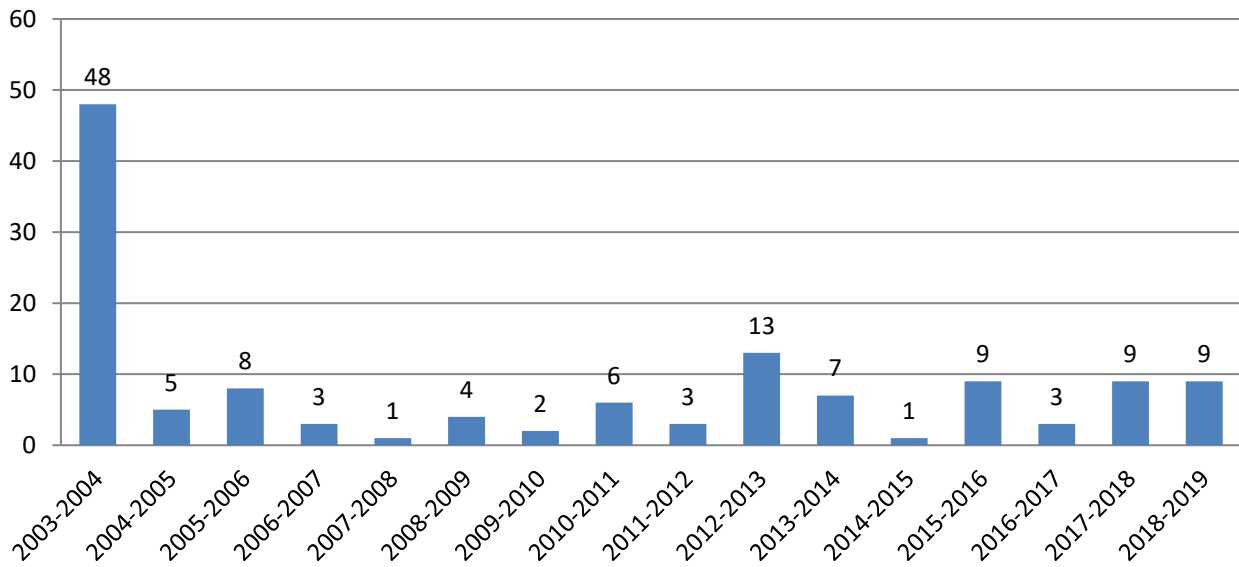
UNIVERSITY OF SOUTHERN QUEENSLAND	24
COAL MINES QUALIFICATION BOARD	17
UNIVERSITY OF NEWCASTLE	17
TAFE NSW	14
UNIVERSITY OF NEW SOUTH WALES	11
DEPARTMENT OF MINERAL RESOURCES	5
DEPARTMENT OF INDUSTRIAL RELATIONS	4
DEPARTMENT OF MINERAL RESOURCES DEVELOPMENT	4
DEPARTMENT OF MINES NSW	3
MINE SURVEYORS CERTIFICATE OF COMPETENCY	3
ROYAL MELBOURNE INSTITUTE OF TECHNOLOGY	3
UNIVERSITY OF SOUTH AUSTRALIA	2
AUTHORISED MINE SURVEYORS CERTIFICATE GRADE 1	1
BRUCE COLLEGE OF TAFE	1
CURTIN UNIVERSITY	1
DEEMED 30DAYS+ MUTUAL RECOGNITION WA	1
DEPARTMENT OF MINERAL RESOURCES WA	1
INSPECTION	1
QUEENSLAND UNIVERSITY OF TECHNOLOGY	1
RUSSIA	1
SURVEYOR'S CERTIFICATE OF COMPETENCY	1
TSHWANE UNIVERSITY OF TECHNOLOGY	1
UNIVERSITY COLLEGE OF SOUTH QUEENSLAND	1
UNIVERSITY OF EXETER	1
UNIVERSITY OF ZIMBABWE	1
Not Specified	11

Registration

Currently the Board has three categories of mining surveyor registration, being unrestricted, underground metalliferous mines, and open cut mines. Of the current financial registered mining surveyors, 115 have an unrestricted registration, 2 surveyors have an underground metalliferous registration and 14 have an open cut registration.



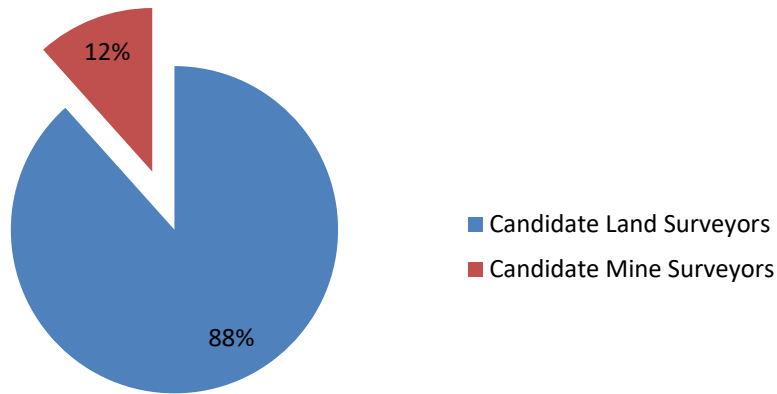
As mining surveyor registration under the Surveying and Spatial Information Act 2002 was only introduced when the Act commenced, the initial date of registration for current financially registered mining surveyors in the Board's register spans from 2003 to present with the majority of these being in the 2003-2004 financial year.



Financial Candidate Surveyors

BOSSI enrolls candidate surveyors in two disciplines being land and mining. The current number of financial candidate surveyors as of 30 June 2019 is as follows:

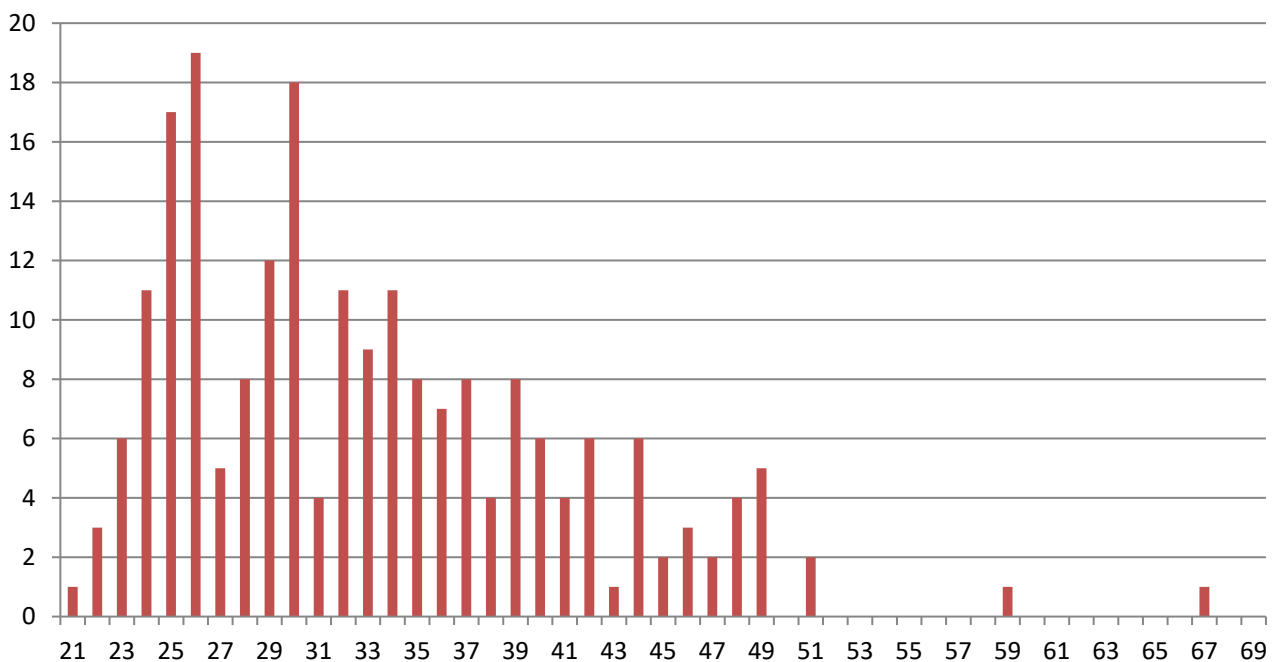
Candidate Land Surveyors	213
Candidate Mining Surveyors	28
Total	241



Candidate Land Surveyors

Age

The age range of financial candidate land surveyors is shown below. The average age of financial candidate land surveyors on the Board's register is 33 and the age group with the largest number of surveyors is the 26 year age group. The oldest financial candidate surveyor is 67 and the youngest is 21.



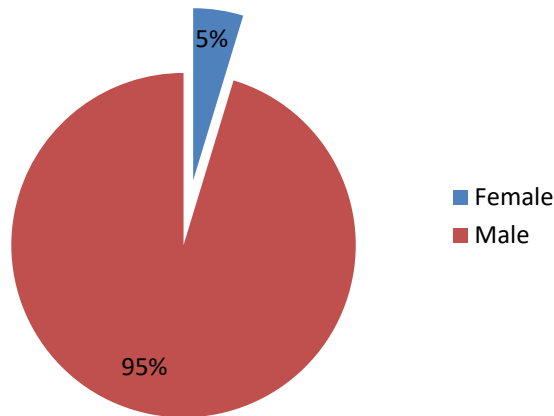
Degree

The names of the institutions where current financial candidate land surveyors have gained (or are gaining) their recognised qualifications are listed in the table below:

UNIVERSITY OF SOUTHERN QUEENSLAND	65
UNIVERSITY OF NEWCASTLE	53
UNIVERSITY OF NEW SOUTH WALES	52
SABARAGAMUWA UNIVERSITY	5
CURTIN UNIVERSITY	3
ROYAL MELBOURNE INSTITUTE OF TECHNOLOGY	3
KWAME NKRUMAH UNIVERSITY OF SCIENCE & TECHNOLOGY	2
OTAGO UNIVERSITY NZ	2
UNIVERSITY OF NATAL	2
UNIVERSITY OF SOUTH AUSTRALIA	2
UNIVERSITY OF TASMANIA	2
AGH UNIVERSITY OF SCIENCE & TECHNOLOGY	1
BENHA UNIVERSITY CAIRO	1
BRNO UNIVERSITY OF TECHNOLOGY	1
DUBLIN INSTITUTE TECHNOLOGY	1
HONG KONG POLYTECHNIC UNIVERSITY	1
IMAM HOSSEIN UNIVERSITY	1
ISLAMIC AZAD UNIVERSITY	1
KAZAN STATE UNIVERSITY	1
MOSCOW STATE UNIVERSITY OF GEODESY CARTOGRAPHY	1
QUEENSLAND UNIVERSITY OF TECHNOLOGY	1
SCHOOL OF APPLIED TECHNOLOGY	1
SOUTHWEST UNIVERSITY OF SCIENCE & TECHNOLOGY	1
UNIVERSITY COLLEGE LONDON	1
UNIVERSITY OF BELGRADE	1
UNIVERSITY OF ISFAHAN	1
UNIVERSITY OF OTAGO	1
UNIVERSITY OF PLYMOUTH	1
UNIVERSITY OF THE PHILIPPINES	1
UNIVERSITY OF ZILINA	1
WARMIA & MASURIA UNIVERSITY OLSZTYN	1
WUHAN TECHNICAL UNIVERSITY	1
WUHAN UNIVERSITY	1
Total	213

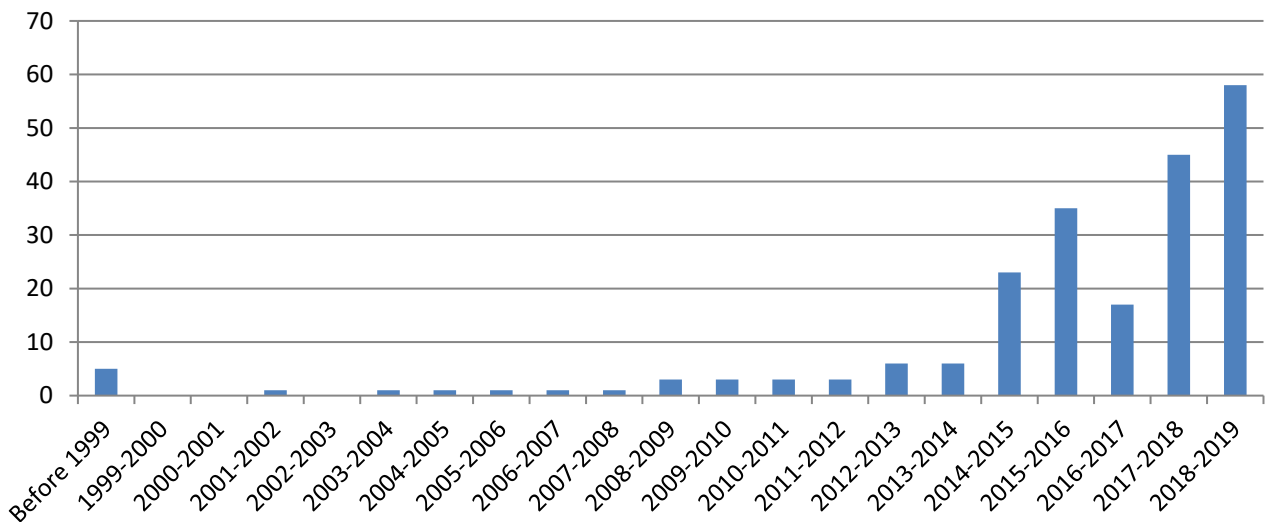
Gender

The gender breakdown of financial candidate land surveyors is currently 203 male and 10 female.



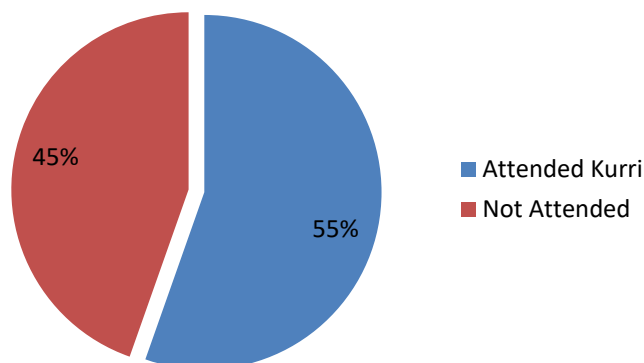
Enrolment

The majority of financial candidate land surveyors initially enrolled in the last 5 years. There are currently 5 financial candidate land surveyors who enrolled before the 1999-2000 financial year.



Kurri Kurri Workshop

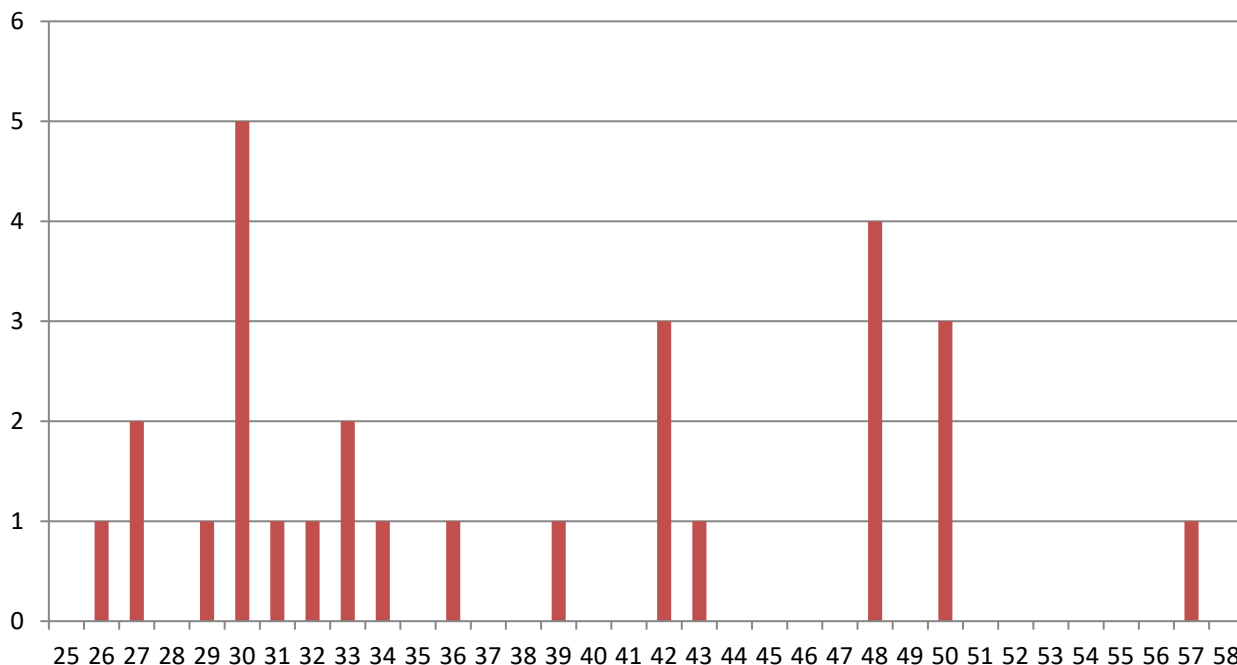
Just over a half of the financial candidate land surveyors have attended the Kurri Kurri Workshop since being enrolled as a candidate.



Candidate Mining Surveyors

Age

The age range of financial candidate mining surveyors is shown below. The average age of financial candidate mining surveyors on the Board's register is 38 and the age group with the largest number of surveyors is the 30 year age group. The oldest financial candidate mining surveyor is 57 and the youngest is 26.



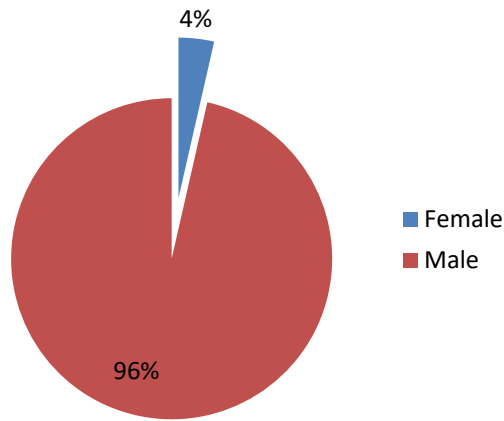
Degree

The names of the institutions where current financial candidate mining surveyors have gained (or are gaining) their recognised qualifications are listed in the table below:

UNIVERSITY OF SOUTHERN QUEENSLAND	10
UNIVERSITY OF NEWCASTLE	5
TAFE NSW	5
UNIVERSITY OF NEW SOUTH WALES	2
DEPARTMENT OF TECHNICAL & FURTHER EDUCATION	1
DONG A UNIVERSITY & SCHOOL SURVEYING & SIS	1
PAPUA NEW GUINEA UNIVERSITY TECHNOLOGY	1
QUEENSLAND UNIVERSITY OF TECHNOLOGY	1
TECHNIKON PRETORIA	1
UNIVERSITY OF EXETER	1
Total	28

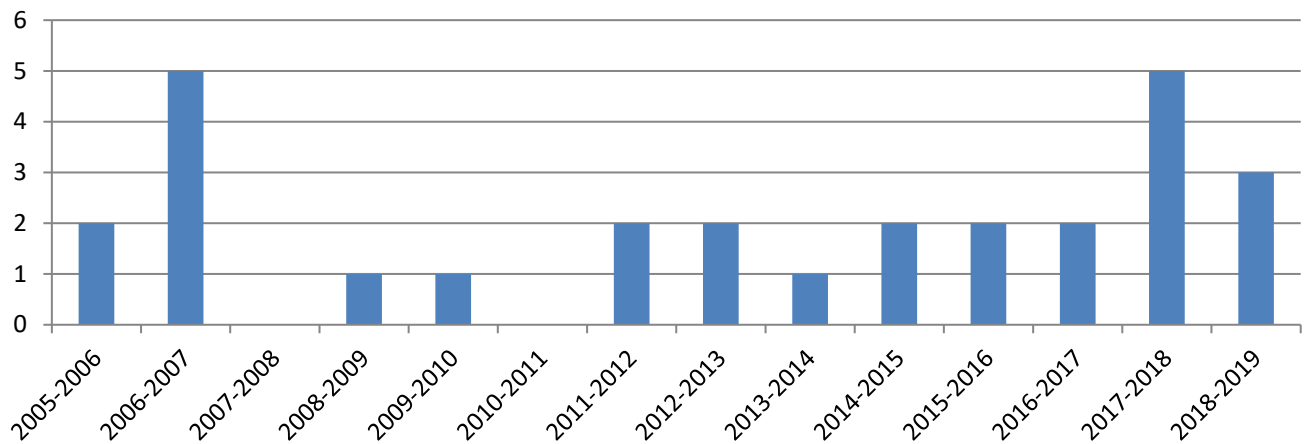
Gender

The gender breakdown of financial candidate mining surveyors is currently 27 male and 1 female.



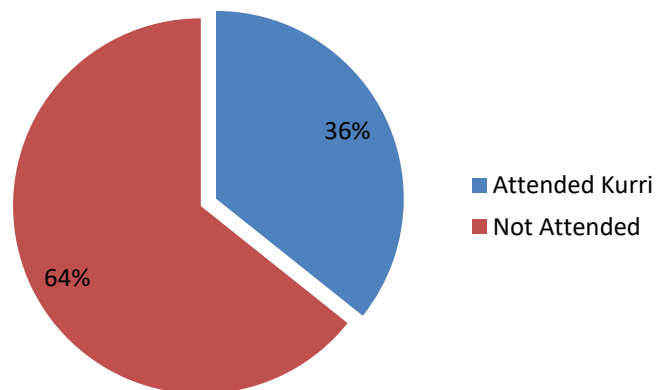
Enrolment

The below graph shows when current financial candidate mining surveyors initially enrolled. There is a fairly consistent average of 2 per year with a few peaks as illustrated below.



Kurri Kurri Workshop

Just over a one third of the financial candidate mining surveyors have attended the Kurri Kurri Workshop since being enrolled as a candidate.



Trends

Candidate Applications (Land and Mining)

18/19	17/18	16/17	15/16	14/15	13/14
60	72	56	75	59	46

Total financial Candidates (Land and Mining)

18/19	17/18	16/17	15/16	14/15	13/14
241	247	229	232	197	161

Certificates of Competency issued

	18/19	17/18	16/17	15/16	14/15
Land	27	18	21	19	15
Mining	6	5	2	6	3

Meritorious Certificates issued

18/19	17/18	16/17	15/16	14/15	13/14
24	14	22	19	20	23

Registered Surveyors

	18/19	17/18	16/17	15/16	14/15	13/14
Land	928	917	907	913	916	927
Mining	116	128	105	107	107	108
Land & Mining	15	19	17	17	18	17
Total	1059	1064	1029	1037	1041	1052