



Board of Surveying
& Spatial Information

BOSSI Statistical Review 2020-2021



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1. 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 of Surveyor contains details for all registered 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 1030 financial registered surveyors and 272 financial candidate surveyors.

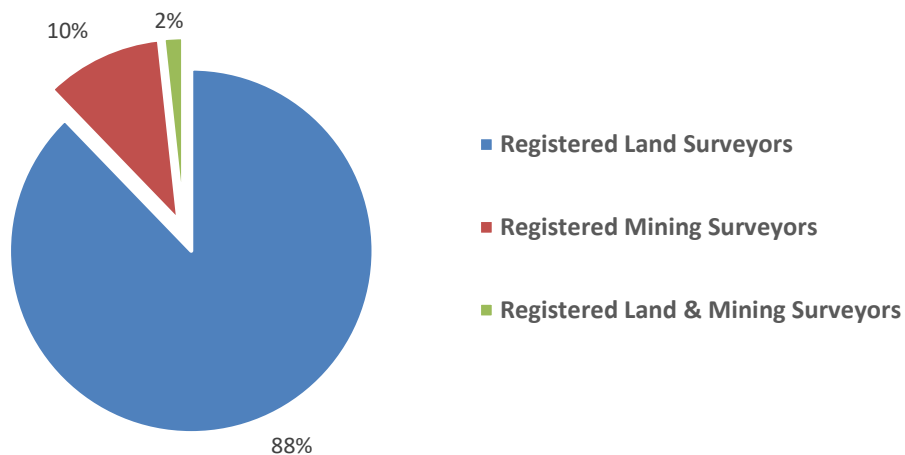
Note: During the transition of the BOSSI Register to the Government Licensing System in March 2020 the data contained in the database was reviewed and cleansed. Duplicates, incomplete and incorrect records were updated or removed. Historical data in the Trends section of this report has not been recalculated.

2. Financial Registered Surveyors

Registered Surveyors

BOSSI registers surveyors in two disciplines being land surveying and mining surveying. Current number of financial registered surveyors as of 30 June 2021 is as follows:

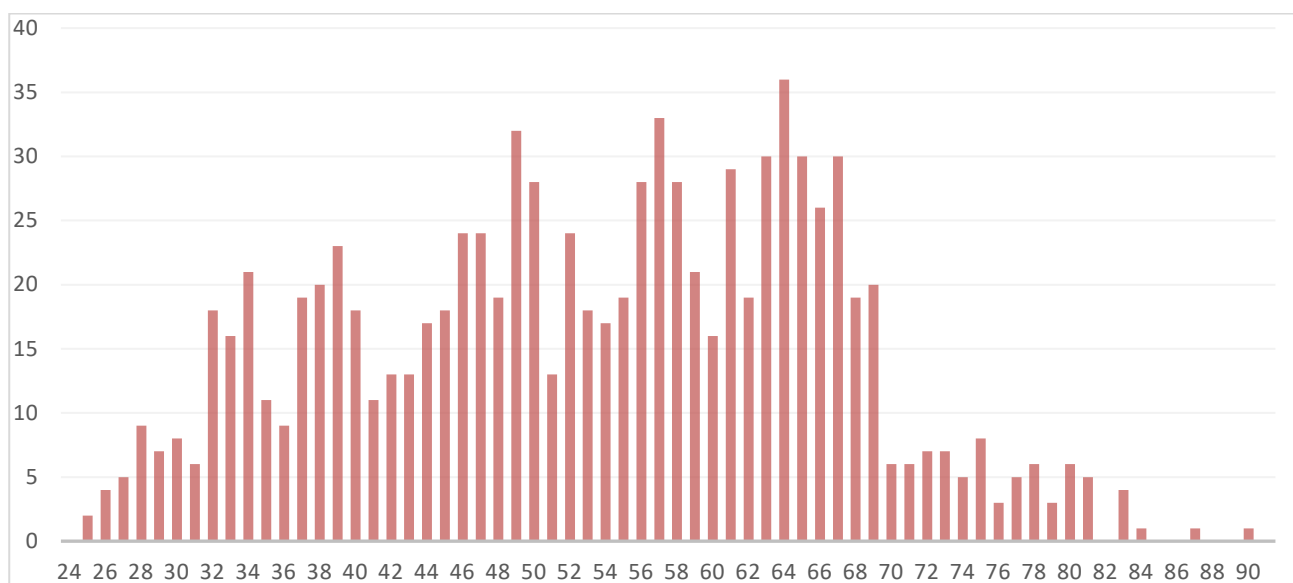
Registered Land Surveyors	908
Registered Mining Surveyors	105
Registered Land & Mining Surveyors	17
Total	1030



Registered Land Surveyors

Age Profile

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 53 and the age group with the largest number of surveyors is the 63-year age group. The oldest financial registered surveyor is 90 and the youngest is 25.



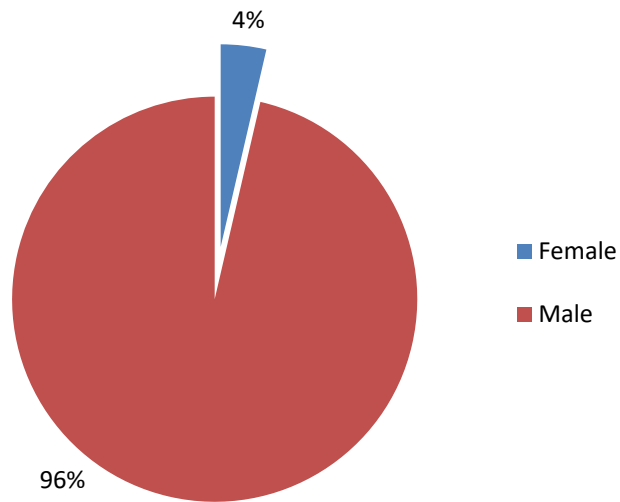
Recognised Qualifications

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	430
UNIVERSITY OF NEWCASTLE	217
UNIVERSITY OF SOUTHERN QUEENSLAND	54
QUEENSLAND UNIVERSITY OF TECHNOLOGY	32
INSPECTION	30
ROYAL MELBOURNE INSTITUTE OF TECHNOLOGY	18
WA INSTITUTE OF TECHNOLOGY	17
UNIVERSITY OF TASMANIA	9
CURTIN UNIVERSITY	9
OTAGO UNIVERSITY NZ	14
UNIVERSITY OF SOUTH AUSTRALIA	5
UNIVERSITY OF MELBOURNE	5
WESTERN AUSTRALIAN INST TECHNOLOGY	5
UNIVERSITY OF WARSAW	2
CANBERRA UNIVERSITY	2
UNIVERSITY OF CAPE TOWN	2
CANBERRA COLLEGE OF ADVANCE EDUCATION	2
RUSSIA	2
LA PLATA UNIVERSITY	1
NORTHERN TERRITORY QUALIFICATIONS	1
SOUTH AUSTRALIA INSTITUTE OF TECHNOLOGY	1
WUHAN TECHNICAL UNIVERSITY	1
SURVEYOR'S CERTIFICATE OF COMPETENCY	1
BOCHUM TERTIARY COLLEGE	1
UNIVERSITY OF CALGARY	1
UNIVERSITY OF QUEENSLAND	1
University of NSW	1
UNIVERSITY OF ZIMBABWE	1
AGH UNIVERSITY OF SCIENCE & TECHNOLOGY	1
UNIVERSITY OF BELGRADE	1
UNIVERSITY OF ISFAHAN	1
MELBOURNE UNIVERSITY	1
UNIVERSITY OF NOTTINGHAM	1
OREGON STATE UNIVERSITY	1
AMIR KABIR UNIVERSITY OF TECHNOLOGY	1
WROCLAW UNIVERSITY	1
KWAME NKRUMAH UNIVERSITY OF SCIENCE & TECHNOLOGY	1
NOT SPECIFIED	51
Total	938

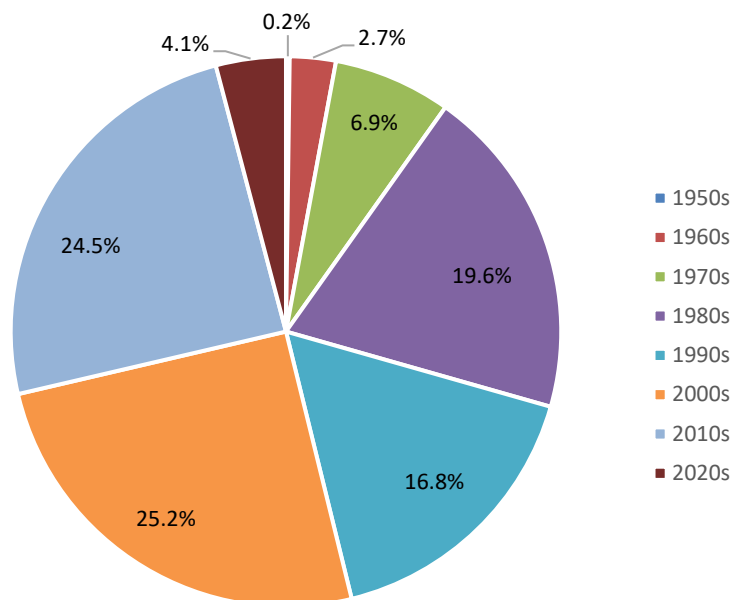
Gender Diversity

The gender breakdown of financial registered land surveyors is currently 889 males and 36 females.

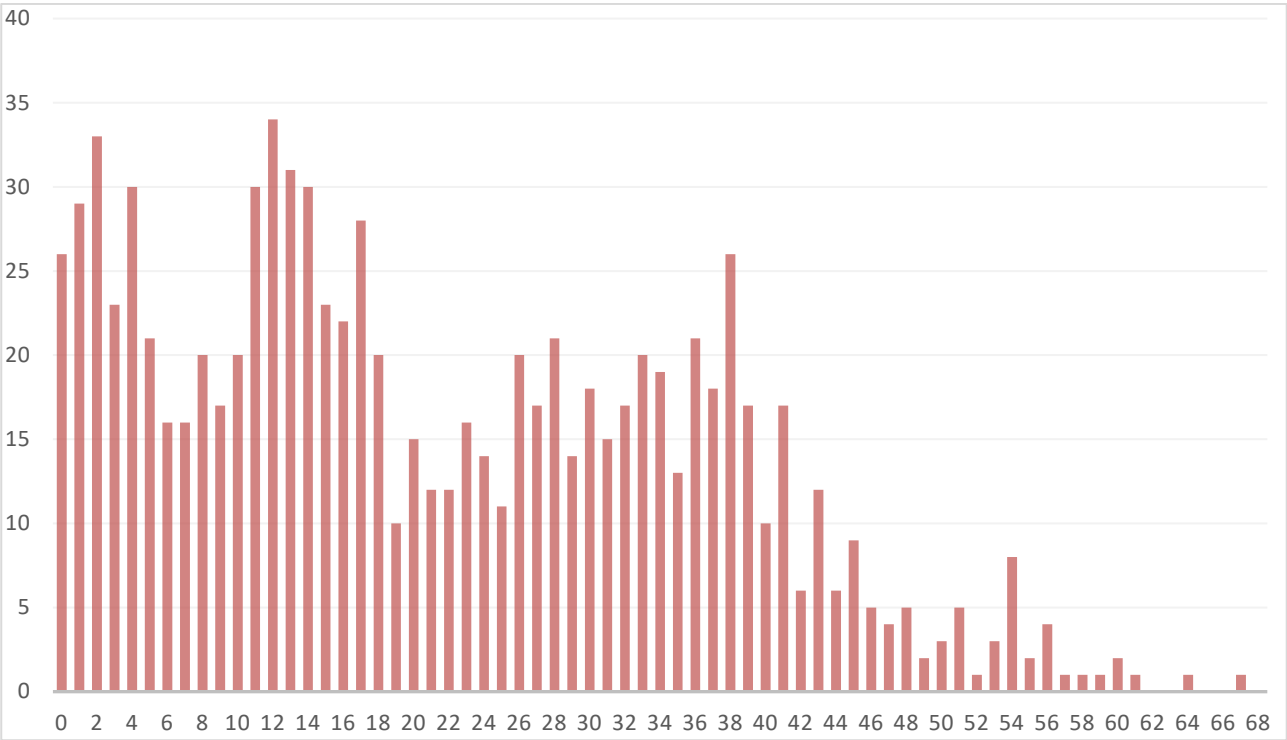


Registration

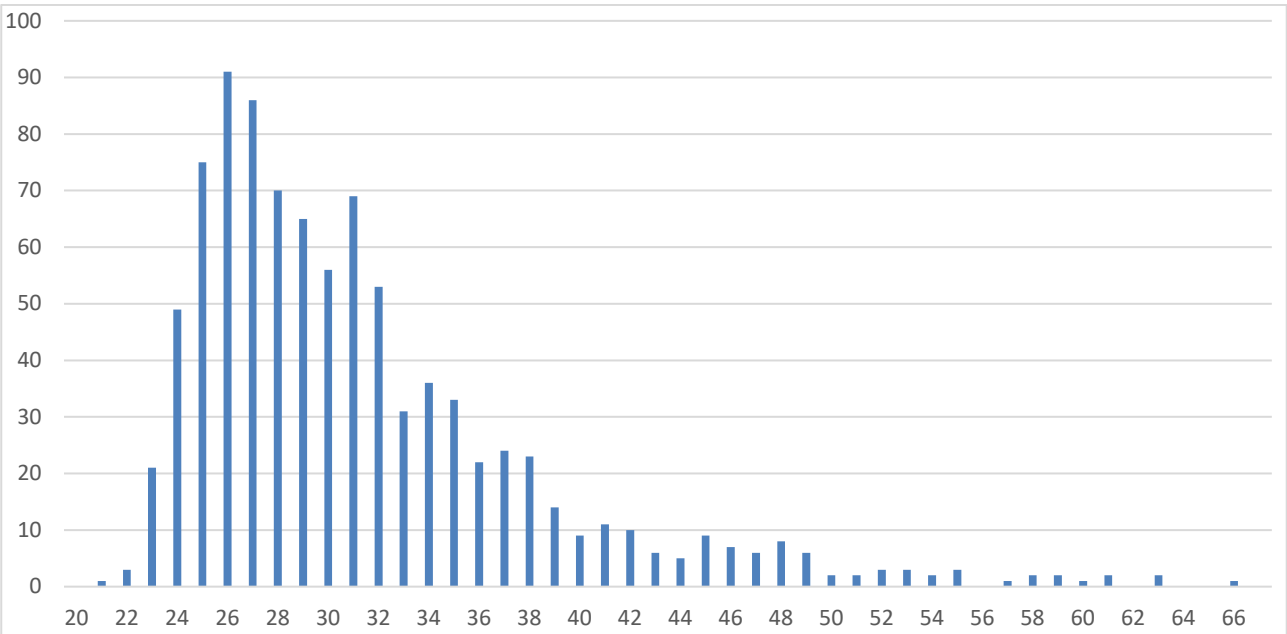
The initial registration year of the current financial registered land surveyors spans from the 1950s to the present date. The below graph shows a breakdown by decade.



The following graph shows the length of time current financial registered land surveyors have been registered. The longest span of registration is 67 years, with the average being 21 years.



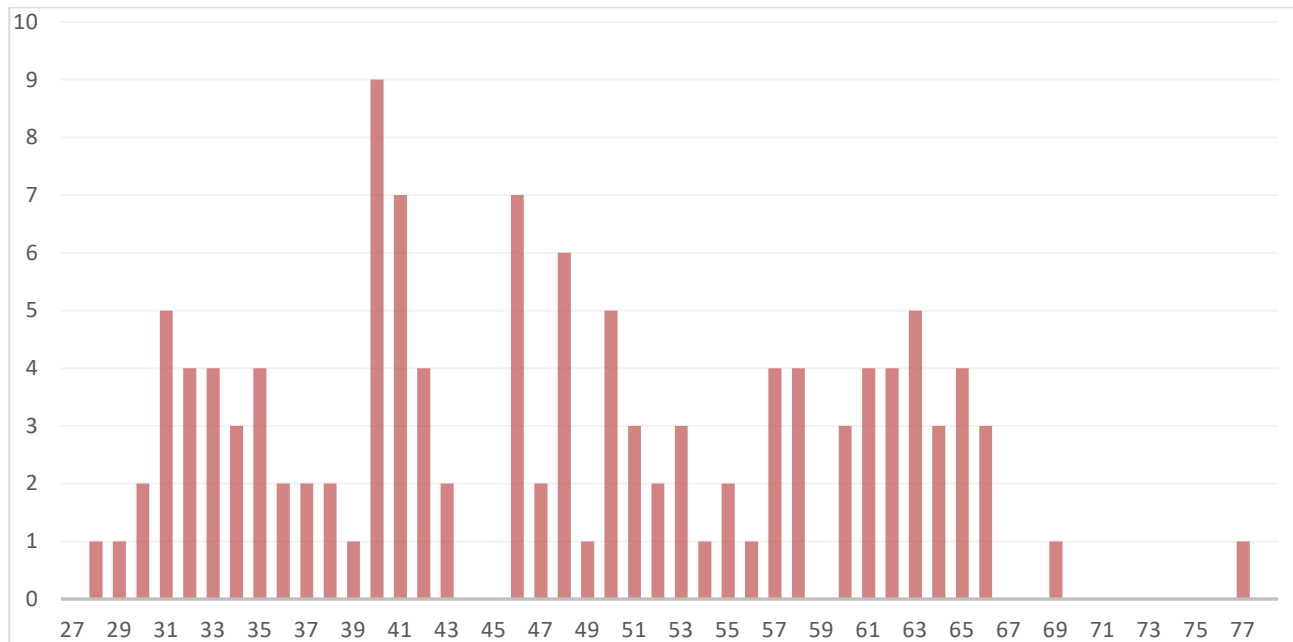
The age of land surveyors when they have gained registration is displayed below. Most surveyors gained their initial registration in their 20s, with the youngest being 21 and the oldest being 66. The average age is 31 with the largest age group being 26 years.



Registered Mining Surveyors

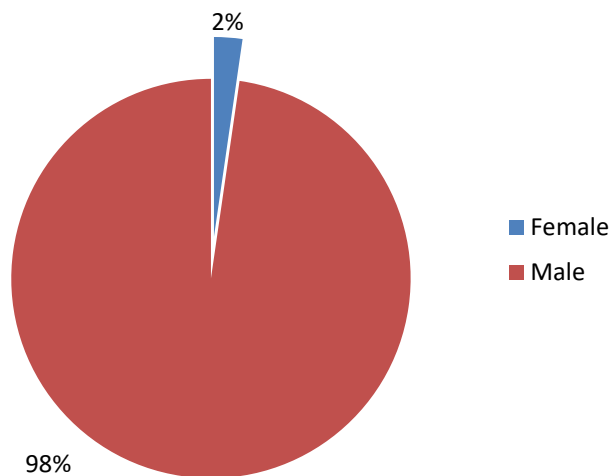
Age Profile

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 48 and the age group with the largest number of surveyors is the 40-year age group. The oldest financial registered mining surveyor is 77 and the youngest is 28.



Gender Diversity

The gender diversity of financial registered mining surveyors is currently 119 males and 3 females.



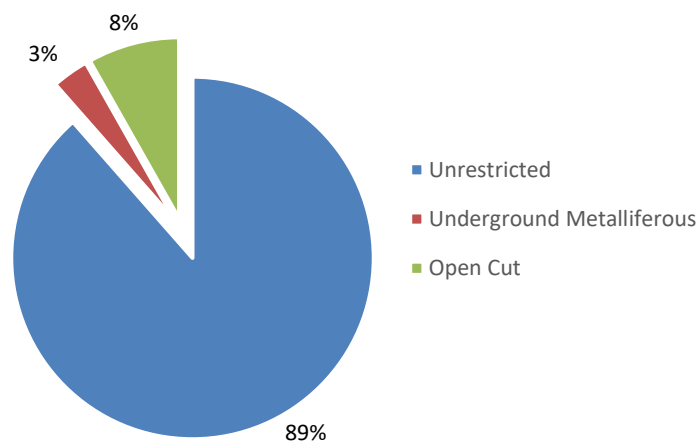
Recognised Qualifications

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

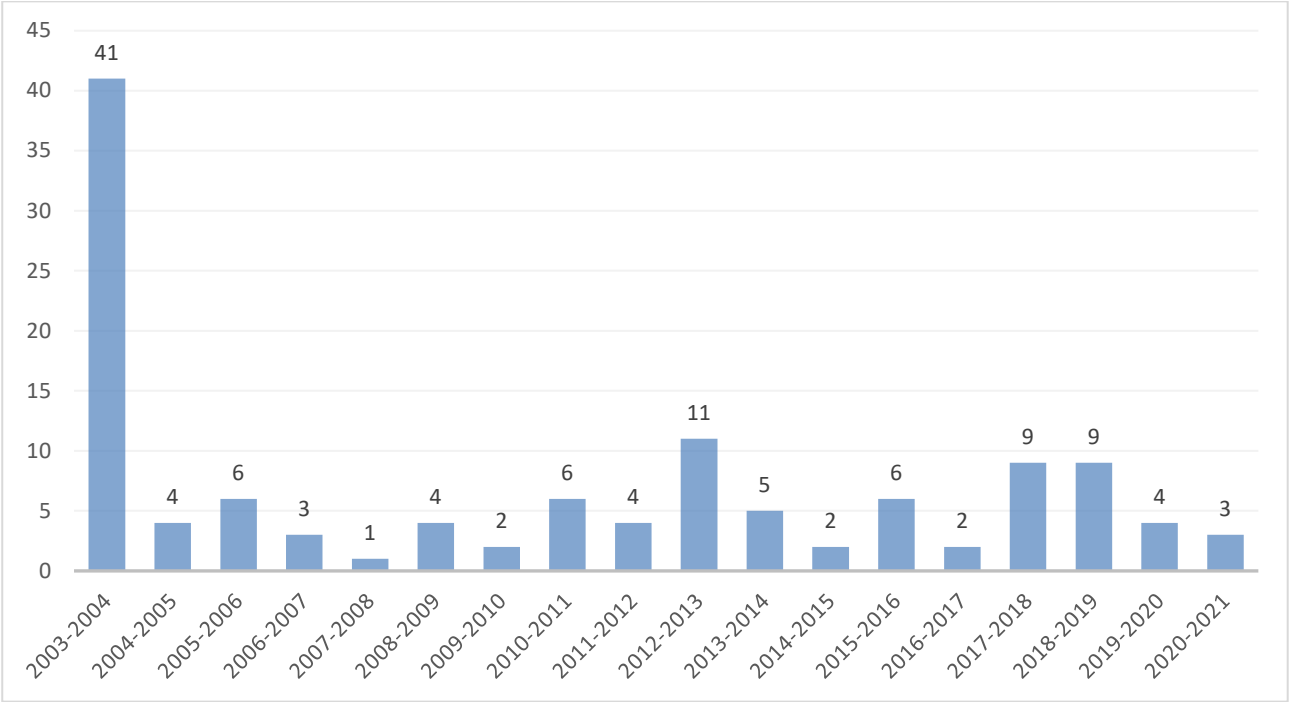
UNIVERSITY OF SOUTHERN QUEENSLAND	26
UNIVERSITY OF NEWCASTLE	19
COAL MINES QUALIFICATION BOARD	15
TAFE NSW	13
UNIVERSITY OF NEW SOUTH WALES	12
DEPARTMENT OF MINERAL RESOURCES DEVELOPMENT	4
DEPARTMENT OF INDUSTRIAL RELATIONS	4
MINE SURVEYORS CERTIFICATE OF COMPETENCY	3
UNIVERSITY OF SOUTH AUSTRALIA	2
DEPARTMENT OF MINES NSW	2
CURTIN UNIVERSITY	2
DEPARTMENT OF MINERAL RESOURCES	2
INSPECTION	1
SURVEYOR'S CERTIFICATE OF COMPETENCY	1
QUEENSLAND UNIVERSITY OF TECHNOLOGY	1
BRUCE COLLEGE OF TAFE	1
UNIVERSITY OF EXETER	1
UNIVERSITY OF ZIMBABWE	1
TSHWANE UNIVERSITY OF TECHNOLOGY	1
DEEMED 30DAYS+ MUTUAL RECOGNITION WA	1
AUTHORISED MINE SURVEYORS CERTIFICATE GRADE 1	1
RUSSIA	1
ROYAL MELBOURNE INSTITUTE OF TECHNOLOGY	1
UNIVERSITY OF THE PHILIPPINES	1
TAFE WA	1
UNIVERSITY OF OTAGO	1
NOT SPECIFIED	4
Total	122

Registration

Currently the Board has three categories of mining surveyor registration, being unrestricted, underground metalliferous mines, and open cut mines.



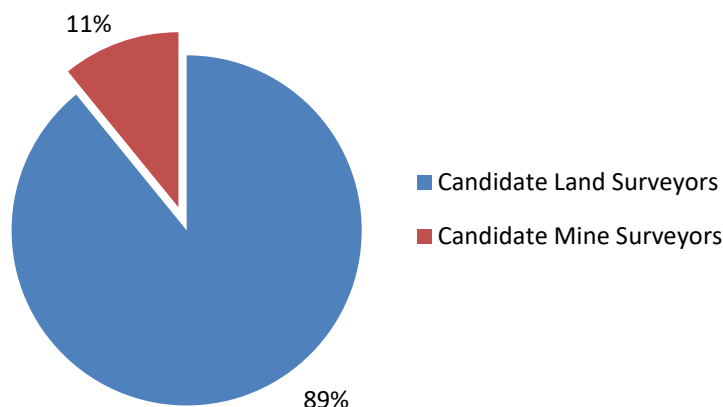
As mining surveyor registration under the *Surveying and Spatial Information Act 2002* was only introduced when the Act commenced, the initial date of registration for current financially registered mining surveyors in the Board's register spans from 2003 to present with the majority of these being in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



3. 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 2021 is as follows:

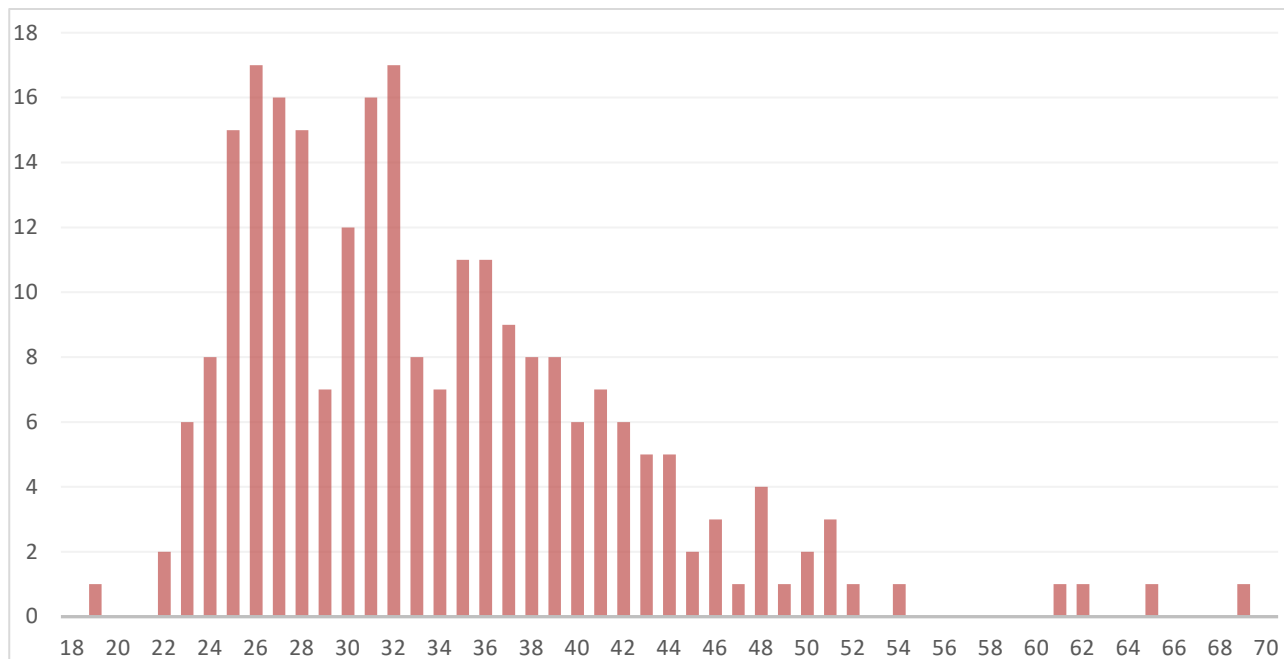
Candidate Land Surveyors	246
Candidate Mining Surveyors	30
Total	276



Candidate Land Surveyors

Age Profile

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 34 and the age groups with the largest number of surveyors are the 26 and 32-year age groups. The oldest financial candidate surveyor is 69 and the youngest is 19.



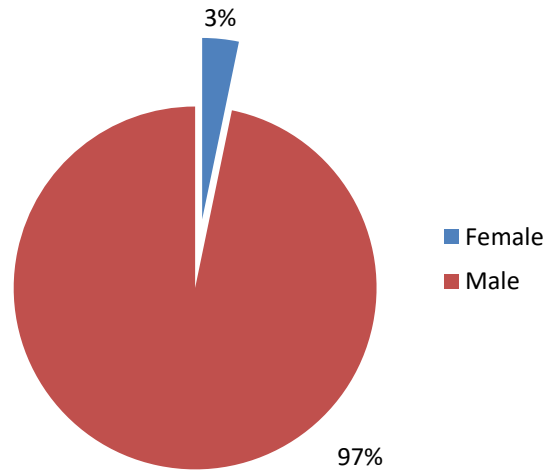
Recognised Qualifications

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 NEWCASTLE	70
UNIVERSITY OF SOUTHERN QUEENSLAND	68
UNIVERSITY OF NEW SOUTH WALES	53
CURTIN UNIVERSITY	4
SABARAGAMUWA UNIVERSITY	4
OTAGO UNIVERSITY NZ	4
ROYAL MELBOURNE INSTITUTE OF TECHNOLOGY	2
UNIVERSITY OF SOUTH AUSTRALIA	2
WUHAN UNIVERSITY	2
TAIYUAN UNIVERSITY OF TECHNOLOGY	2
KWAME NKRUMAH UNIVERSITY OF SCIENCE & TECHNOLOGY	2
FRANCISCO JOSE DE CALDAS DISTRICT UNIVERSITY	2
SOUTH AUSTRALIA INSTITUTE OF TECHNOLOGY	1
UNIVERSITY COLLEGE LONDON	1
QUEENSLAND UNIVERSITY OF TECHNOLOGY	1
HIGH TECHNICAL INDUSTRIAL INST DEKWANEH	1
HEILONGJIAN INSTITUTE OF TECHNOLOGY	1
UNIVERSITY OF THE PHILIPPINES	1
UNIVERSITY OF ZIMBABWE	1
DUBLIN INSTITUTE TECHNOLOGY	1
BRNO UNIVERSITY OF TECHNOLOGY	1
TECHNICAL UNIVERSITY OF CIVIL ENGINEERING	1
UNIVERSITY OF ZILINA	1
WUHAN TECHNICAL UNIVERSITY	1
UNIVERSITY OF NATAL	1
KAZAN STATE UNIVERSITY	1
UNIVERSITY OF ISFAHAN	1
MOSCOW STATE UNIVERSITY OF GEODESY CARTOGRAPHY	1
HONG KONG POLYTECHNIC UNIVERSITY	1
ISLAMIC AZAD UNIVERSITY	1
SCHOOL OF APPLIED TECHNOLOGY	1
TANTA UNIVERSITY	1
UNIVERSITY OF ZAGREB	1
UNIVERSITY OF TASMANIA	1
UNIVERSITY OF APPLIED SCIENCE DRESDEN	1
TECHNICAL UNIVERSITY OF CONSTRUCTION	1
SABARAGAMUWA UNIVERSITY SRI LANKA	1
UNIVERSITY OF TWENTE- NETHERLANDS	1
TONGJI UNIVERSITY	1
UNIVERSITY OF TABRIZ IRAN	1
ISLAMIC AZAD UNIVERSITY OF TEHRAN	1
VILNIUS GEDIMINAS TECHNICAL UNIVERSITY	1
DEKWANEH TECHNICAL INSTITUTE, DEKWANEH, LEBANON	1
Total	229

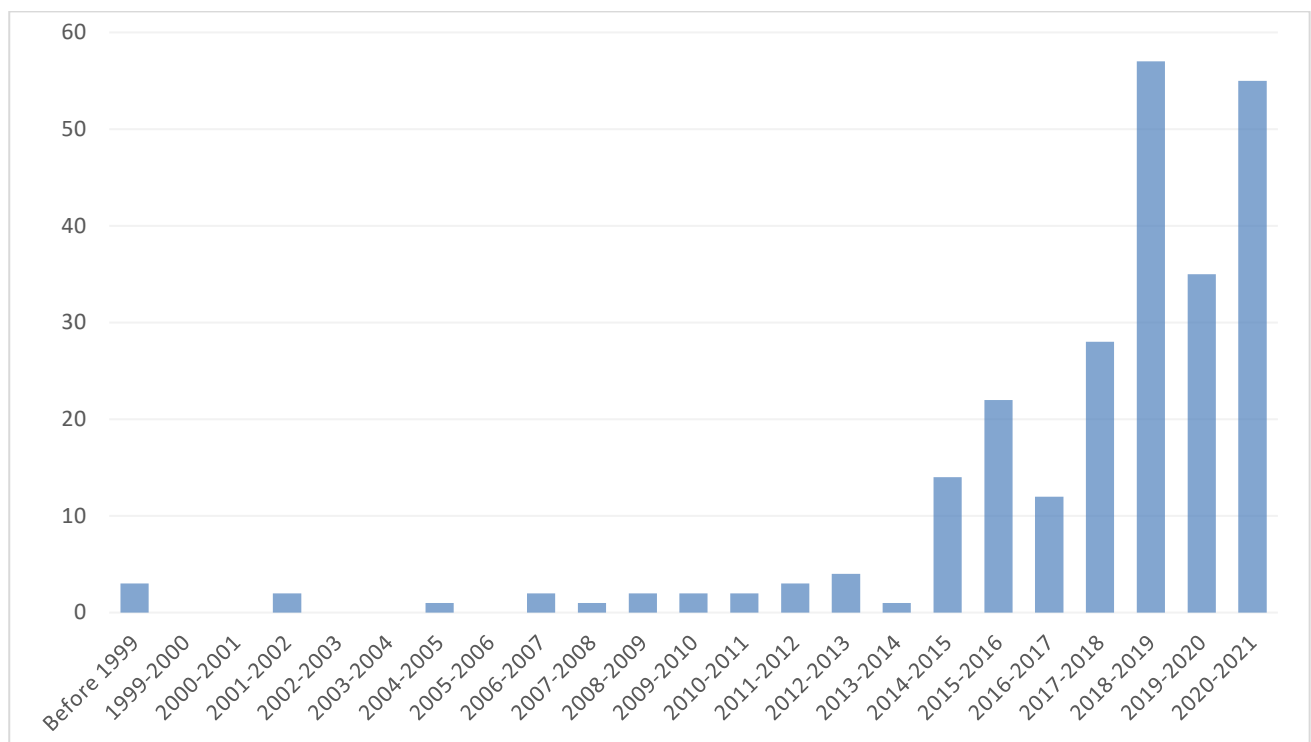
Gender Diversity

The gender breakdown of financial candidate land surveyors is currently 238 males and 8 females.



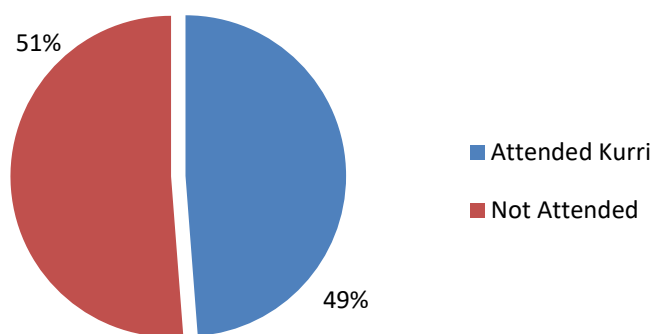
Enrolment

Most financial candidate land surveyors initially enrolled in the last 7 years. There are currently 3 financial candidate land surveyors who enrolled before the 1999-2000 financial year.



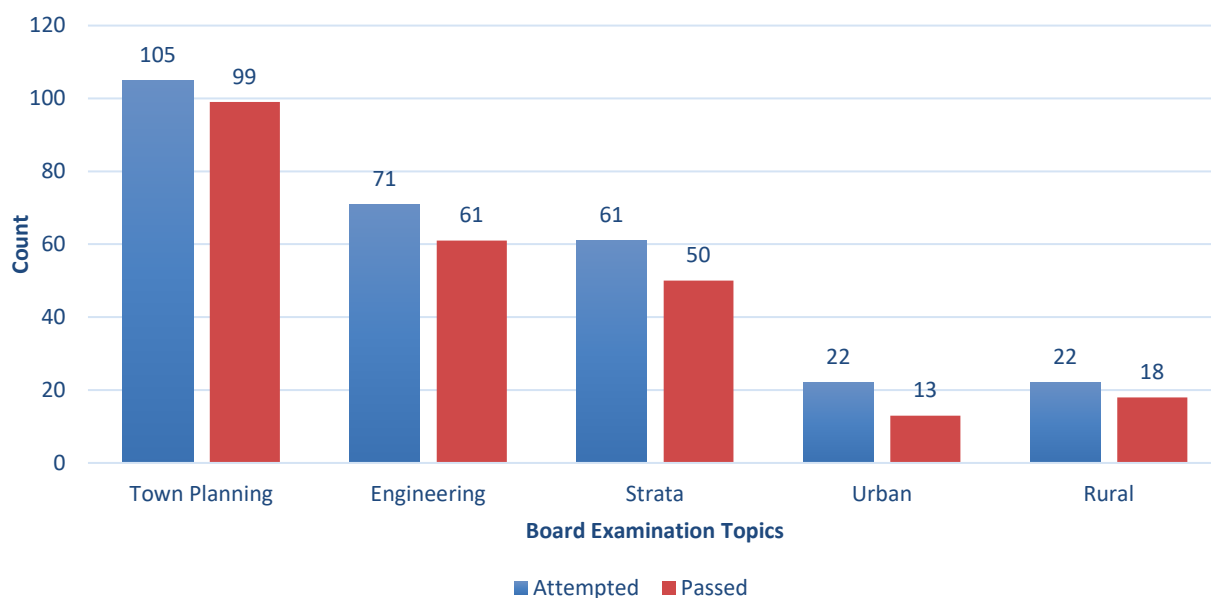
Kurri Kurri Workshop

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

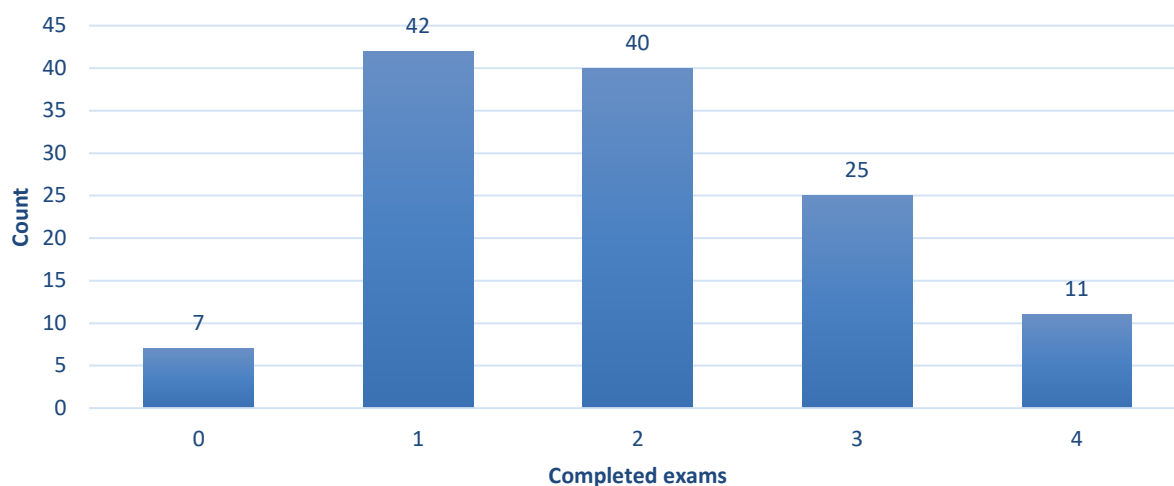


Board Examination Progress

125 currently financial candidate land surveyors have attempted at least 1 Board examination. The below graph highlights the number of candidates that have attempted/passed each of the 5 competency exams.



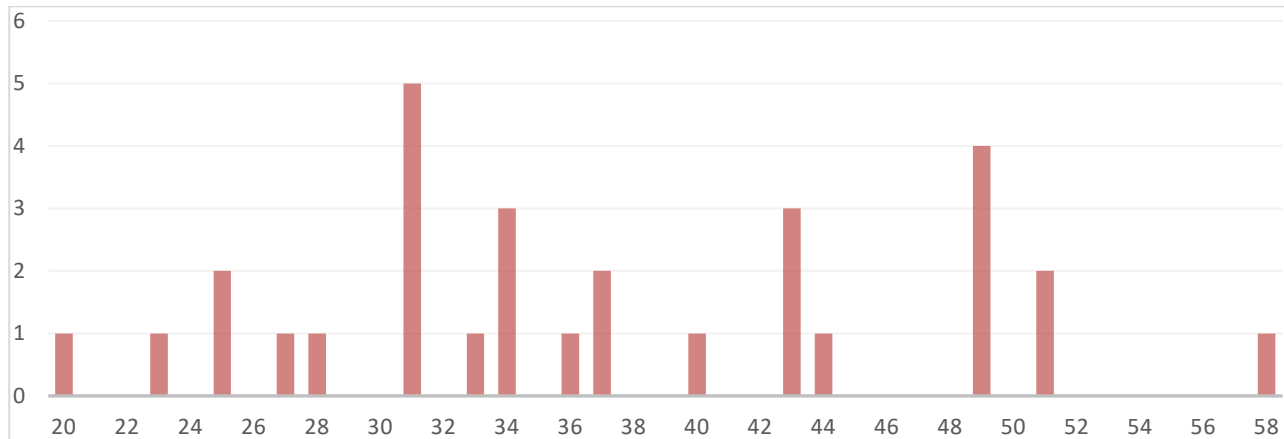
The following graph outlines their progress towards a certificate of competency.



Candidate Mining Surveyors

Age Profile

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 37 and the age group with the largest number of surveyors is the 31-year age group. The oldest financial candidate mining surveyor is 58 and the youngest is 20.



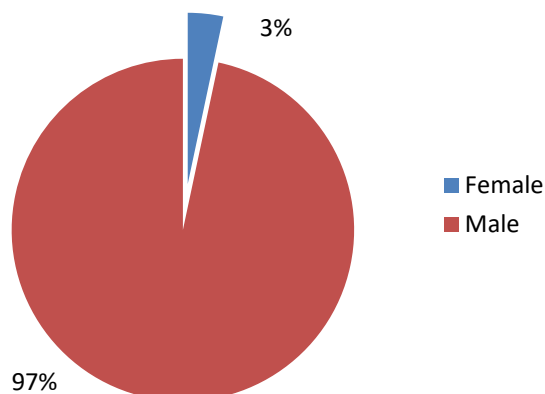
Recognised Qualifications

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	12
UNIVERSITY OF NEWCASTLE	6
TAFE NSW	5
UNIVERSITY OF NEW SOUTH WALES	2
CURTIN UNIVERSITY	1
DEPARTMENT OF TECHNICAL & FURTHER EDUCATION	1
UNIVERSITY OF OTAGO	1
TECHNIKON PRETORIA	1
DONG A UNIVERSITY & SCHOOL SURVEYING & SIS	1
Total	30

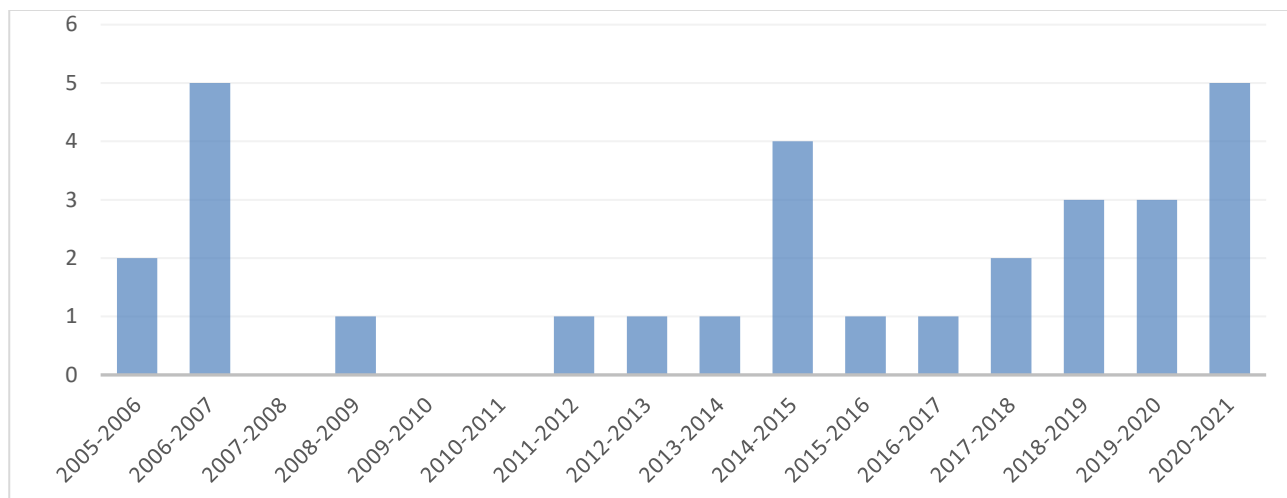
Gender Diversity

The gender breakdown of financial candidate mining surveyors is currently 29 males and 1 female.



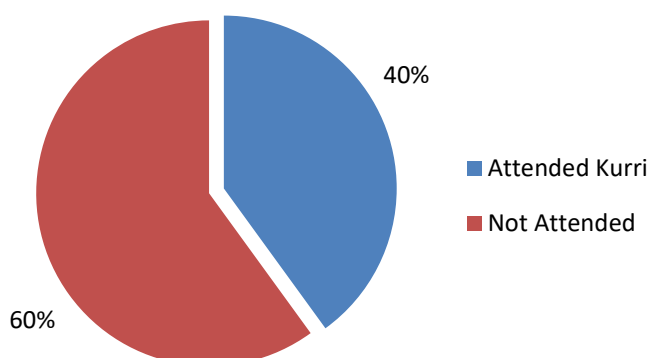
Enrolment

The below graph shows the financial year when current financial candidate mining surveyors initially enrolled with most enrolments occurring within the last 7 years.



Kurri Kurri Workshop

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



Board Examination Progress

8 currently financial candidate mining surveyors have attempted at least 1 Board examination. The following table outlines their progress towards a certificate of competency.

	Attempted	Passed
Mining surveys, formal mine survey plans & archival research	4	4
Design and survey of engineering work	5	5
Planning & mining approvals	6	5
Legislation	7	3
Oral	2	1

4. Trends

New Candidate Applications (Land and Mining)

20/21	19/20	18/19	17/18	16/17	15/16	14/15	13/14
58	49	60	72	56	75	59	46

Total financial Candidates (Land and Mining)

20/21	19/20	18/19	17/18	16/17	15/16	14/15	13/14
276	255	241	247	229	232	197	161

Certificates of Competency issued

	20/21	19/20	18/19	17/18	16/17	15/16	14/15
Land	20	25	27	18	21	19	15
Mining	1	3	6	5	2	6	3

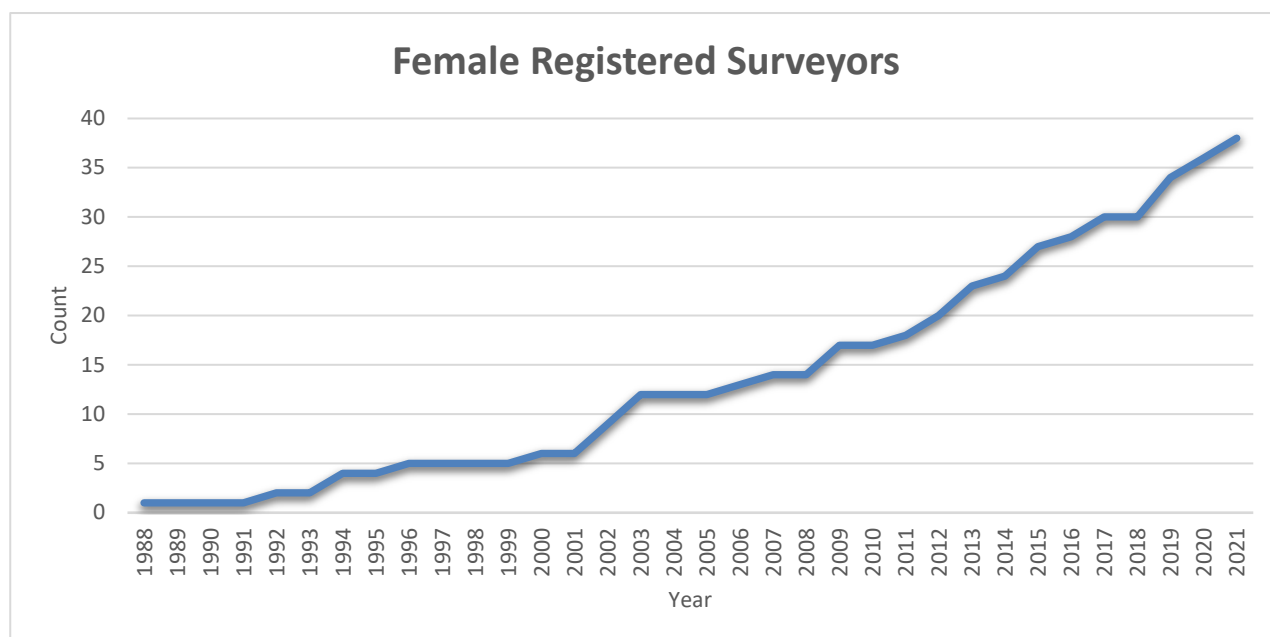
Meritorious Certificates issued

20/21	19/20	18/19	17/18	16/17	15/16	14/15	13/14
26	18	24	14	22	19	20	23

Registered Surveyors

	20/21	19/20	18/19	17/18	16/17	15/16	14/15
Land	908	920	928	917	907	913	916
Mining	105	110	116	128	105	107	107
Land & Mining	17	18	15	19	17	17	18
Total	1030	1048	1059	1064	1029	1037	1041

Gender Diversity



Board of Surveying & Spatial Information

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Phone: 02 6332 8238