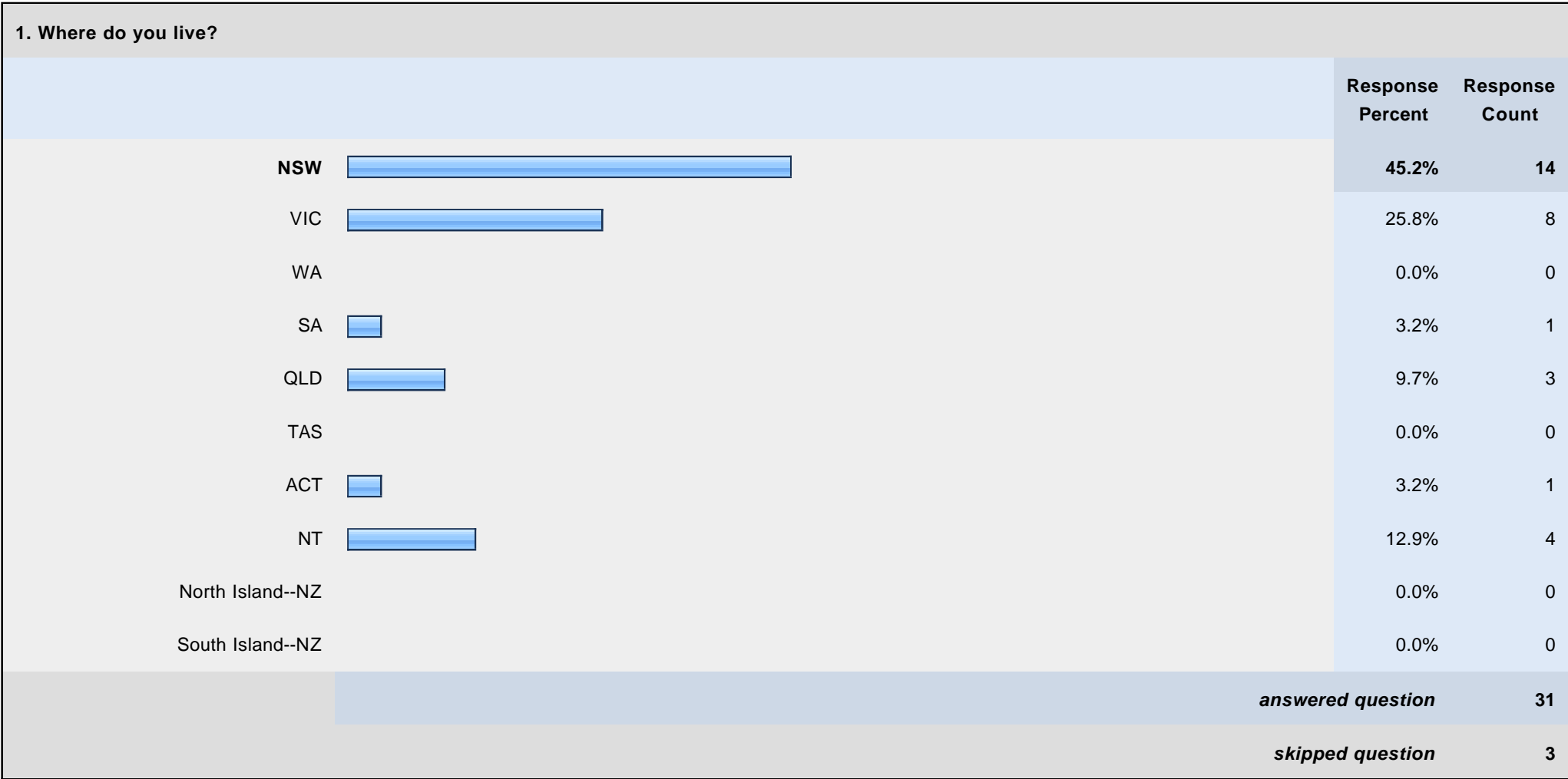


Survey 1--HCOANZ Heritage Trades and Training Project--Physical Conservation



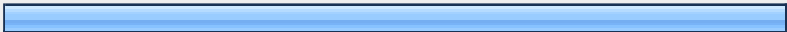

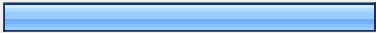
2. Do you live in a:

	Response Percent	Response Count
Capital city	83.9%	26
Large regional centre (over 20,000)	6.5%	2
Rural area	9.7%	3
Other (please specify)		0
answered question		31
skipped question		3




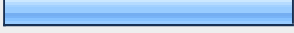
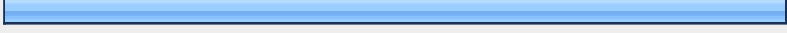
3. Please specify your age range

	Response Percent	Response Count
under 30	3.2%	1
30-45	9.7%	3
45-60	61.3%	19
60 or over	25.8%	8
answered question		31
skipped question		3

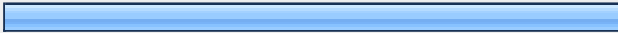

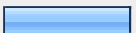
4. What is your occupation?

	Response Percent	Response Count
Architect 	61.3%	19
Structural Engineer 	12.9%	4
Materials Conservator	0.0%	0
Other (please specify) 	29.0%	9
answered question		31
skipped question		3



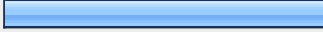
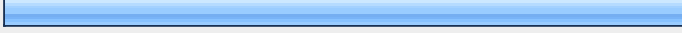
5. How long have you been working on traditional buildings and structures?

	Response Percent	Response Count
0-5 years 	3.2%	1
5-10 years 	6.5%	2
10-15 years 	6.5%	2
15-20 years 	22.6%	7
Over 20 years 	61.3%	19
answered question		31
skipped question		3

6. What is your highest level of education?

	Response Percent	Response Count
Secondary (high school or college)	0.0%	0
TAFE/Polytechnic College award	0.0%	0
Apprenticeship	0.0%	0
Undergraduate degree 	48.4%	15
Postgraduate award 	41.9%	13
Doctorate 	9.7%	3
Other (please specify)		0
answered question		31
skipped question		3

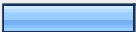


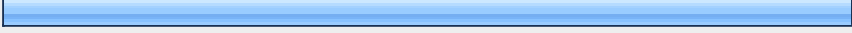
7. When was this education completed?

	Response Percent	Response Count
0-5 years ago 	7.1%	2
10-15 years ago 	14.3%	4
15-20 years ago 	25.0%	7
Over 20 years ago 	53.6%	15
Other (please specify)		3
	<i>answered question</i>	28
	<i>skipped question</i>	6



8. Please specify any professional organisations/bodies or specialist reference groups of which you are a member

	Response Count
	27
	<i>answered question</i> 27
	<i>skipped question</i> 7

9. How much of your work in the last 12 months involved traditional buildings and structures?

	Response Percent	Response Count
Under 25% 	10.0%	3
25-50% 	10.0%	3
50-75% 	16.7%	5
Over 75% 	66.7%	20
Additional comments		4
answered question		30
skipped question		4

10. Do you feel that your formal education adequately prepared you for work on traditional buildings and structures?

	Response Percent	Response Count
Yes 	22.6%	7
No 	77.4%	24
If 'No', why not?		21
answered question		31
skipped question		3

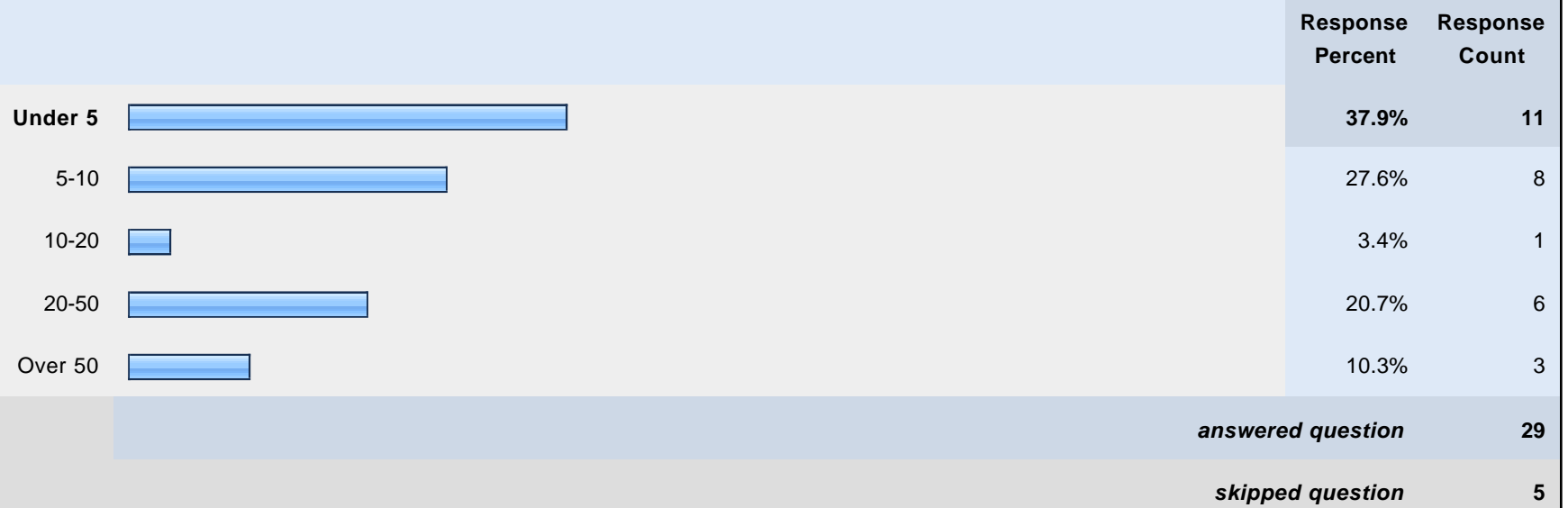
11. Where did you obtain the specialist knowledge you have about traditional buildings and structures?

	Response Percent	Response Count
Formal (University, TAFE, Polytechnic)	41.9%	13
Informal (on-the-job, via colleagues)	83.9%	26
Self-taught	61.3%	19
Short course	29.0%	9
Other (please specify)		5
answered question		31
skipped question		3

12. Did you undertake the previous Heritage Trades and Professional Training project survey (October 2009)?

	Response Percent	Response Count
Yes	40.0%	12
No	43.3%	13
I did not know about the previous survey	33.3%	10
answered question		30
skipped question		4

13. How many staff does your business/organisation have (including you)?



14. Other than you, what percentage of the staff in your business/organisation undertake work on traditional buildings and structures?

	Response Percent	Response Count
Under 25%	41.4%	12
25-50%	0.0%	0
50-75%	3.4%	1
Over 75%	27.6%	8
No other staff work on traditional buildings and structures	6.9%	2
There are no other staff/I am a sole practitioner	20.7%	6
answered question		29
skipped question		5


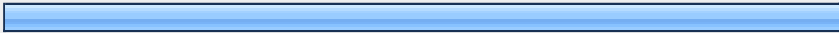
15. If you have staff who undertake work on traditional buildings and structures, where did they obtain their specialist knowledge?

	Response Percent	Response Count
Formal (University, TAFE, Polytechnic)	64.7%	11
Informal (on-the-job, via colleagues)	82.4%	14
Self-taught	29.4%	5
Short course	41.2%	7
Other (please specify)		5
answered question		17
skipped question		17

16. How much of the work undertaken by your business/organisation involves traditional buildings and structures?

	Response Percent	Response Count
Under 25%	31.0%	9
25-50%	3.4%	1
50-75%	24.1%	7
Over 75%	41.4%	12
answered question		29
skipped question		5

17. Do you anticipate that your workload on traditional buildings and structures will over the next three years:

	Response Percent	Response Count
Increase 	34.5%	10
Remain the same 	65.5%	19
Decrease	0.0%	0
<i>answered question</i>		29
<i>skipped question</i>		5

18. Where do you undertake the majority of your work on traditional buildings and structures?

	Response Percent	Response Count
NSW	51.7%	15
VIC	27.6%	8
QLD	10.3%	3
TAS	3.4%	1
SA	6.9%	2
WA	0.0%	0
ACT	13.8%	4
NT	13.8%	4
North Island-NZ	0.0%	0
South Island-NZ	0.0%	0
Other (please specify)		1
answered question		29
skipped question		5

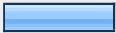

19. Is your business/organisation's work mainly located in:

	Response Percent	Response Count
Capital city	93.1%	27
Large regional centre (over 20,000)	20.7%	6
Rural area	10.3%	3
<i>answered question</i>		29
<i>skipped question</i>		5

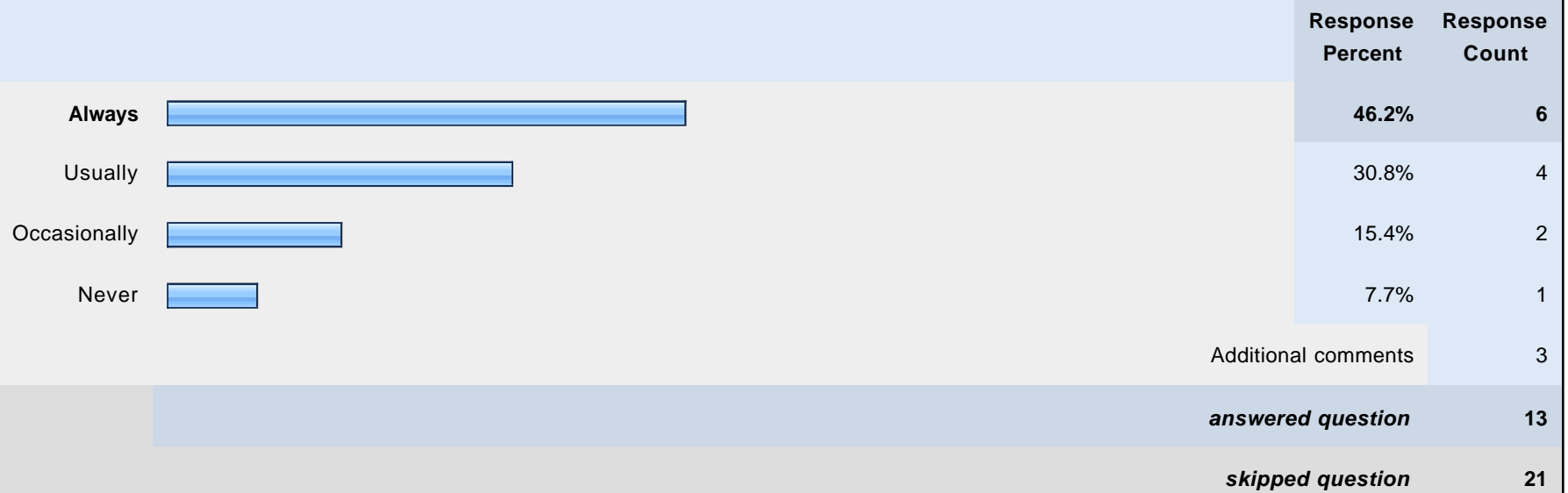
20. Do you participate in the recruitment and employment of new staff?

	Response Percent	Response Count
Yes, please continue	41.4%	12
No, please skip to Section D-- Specialist Skills	58.6%	17
<i>answered question</i>		29
<i>skipped question</i>		5

21. Do you consider that your newer recruits are:

	Response Percent	Response Count
Well prepared for work on traditional buildings and structures	0.0%	0
Adequately prepared for work on traditional buildings and structures 	8.3%	1
Poorly prepared for work on traditional buildings and structures 	91.7%	11
Additional comments		4
<i>answered question</i>		12
<i>skipped question</i>		22

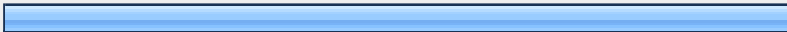
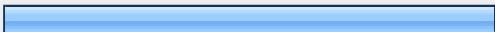
22. Do you have difficulty in recruiting staff who are adequately prepared for work on traditional buildings and structures?



23. If you have difficulty in recruiting adequately prepared staff, how do you deal with it?

	Response Count
	11
answered question	11
skipped question	23

24. Do you have a training and development strategy in place for your employees?

	Response Percent	Response Count
Yes 	61.5%	8
No 	38.5%	5
<i>answered question</i>		13
<i>skipped question</i>		21

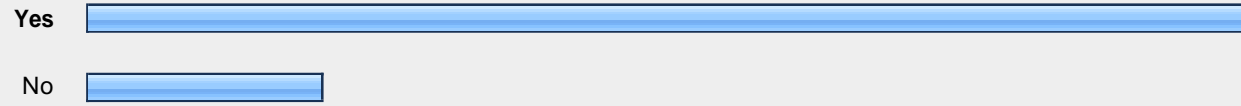
25. During the last 12 months how many days (in total) did you or your employees engage in formal or informal training relating to work on traditional buildings and structures?

	Response Count
	12
<i>answered question</i>	12
<i>skipped question</i>	22

26. How do you pass on your knowledge and experience to your employees?

	Response Count
	12
<i>answered question</i>	12
<i>skipped question</i>	22

27. Do you have difficulty locating accessible specialist training for your employees?



	Response Count
Additional comments	4
<i>answered question</i>	11
<i>skipped question</i>	23

28. Materials Investigation, Testing, Diagnosis and Analysis

	Do not need these skills	Can not or do not know where to find these skills	Know of one specialist who can provide these skills	Know of several specialists who can provide these skills	Know of specialists, but location makes access financially unviable	Have basic knowledge in-house	Have high-level expertise in-house	Skills are a priority for training to enhance your/your business' capacity	Response Count
Timber decay analysis	3.7% (1)	7.4% (2)	25.9% (7)	22.2% (6)	3.7% (1)	63.0% (17)	22.2% (6)	18.5% (5)	27
Masonry decay analysis	3.7% (1)	3.7% (1)	14.8% (4)	37.0% (10)	3.7% (1)	29.6% (8)	48.1% (13)	22.2% (6)	27
Concrete decay analysis	4.0% (1)	8.0% (2)	28.0% (7)	40.0% (10)	0.0% (0)	48.0% (12)	16.0% (4)	12.0% (3)	25
Paint investigation and analysis	11.5% (3)	3.8% (1)	19.2% (5)	34.6% (9)	0.0% (0)	26.9% (7)	42.3% (11)	11.5% (3)	26
Mortar investigation and analysis	3.7% (1)	3.7% (1)	33.3% (9)	22.2% (6)	3.7% (1)	59.3% (16)	18.5% (5)	25.9% (7)	27
Render investigation and analysis	11.5% (3)	7.7% (2)	34.6% (9)	23.1% (6)	3.8% (1)	53.8% (14)	15.4% (4)	23.1% (6)	26
Metal corrosion analysis	7.7% (2)	19.2% (5)	19.2% (5)	30.8% (8)	3.8% (1)	38.5% (10)	15.4% (4)	19.2% (5)	26
								Other (please specify)	5
								answered question	27
								skipped question	7

29. Specification and Documentation

	Do not need these skills	Can not or do not know where to find these skills	Know of one specialist who can provide these skills	Know several specialists who can provide these skills	Know of specialists, but location makes access financially unviable	Have basic knowledge in-house	Have high-level expertise in-house	Skills are a priority for training to enhance your/your business' capacity	Response Count
Condition assessment and documentation	0.0% (0)	0.0% (0)	3.7% (1)	29.6% (8)	0.0% (0)	11.1% (3)	70.4% (19)	37.0% (10)	27
Preparation of specifications and work schedules for conservation works	0.0% (0)	0.0% (0)	3.7% (1)	22.2% (6)	0.0% (0)	22.2% (6)	63.0% (17)	44.4% (12)	27
Monitoring of building and material condition	3.7% (1)	0.0% (0)	7.4% (2)	25.9% (7)	0.0% (0)	18.5% (5)	66.7% (18)	33.3% (9)	27
Evaluation of performance of conservation works	3.7% (1)	3.7% (1)	7.4% (2)	22.2% (6)	0.0% (0)	25.9% (7)	59.3% (16)	29.6% (8)	27
Measured drawings	7.4% (2)	0.0% (0)	7.4% (2)	37.0% (10)	0.0% (0)	22.2% (6)	59.3% (16)	14.8% (4)	27
Contract works drawings	7.4% (2)	0.0% (0)	3.7% (1)	33.3% (9)	0.0% (0)	7.4% (2)	70.4% (19)	22.2% (6)	27
Archival recording	7.4% (2)	0.0% (0)	7.4% (2)	33.3% (9)	0.0% (0)	25.9% (7)	44.4% (12)	14.8% (4)	27
							answered question		27
							skipped question		7

30. Materials Conservation

	Do not need these skills	Can not or do not know where to find these skills	Know of one specialist who can provide these skills	Know several specialists who can provide these skills	Know of specialists, but location makes access financially unviable	Have basic knowledge in-house	Have high-level expertise in-house	Skills are a priority for training to enhance your/your business' capacity	Response Count
Painted surface conservation	7.7% (2)	7.7% (2)	23.1% (6)	42.3% (11)	0.0% (0)	42.3% (11)	11.5% (3)	7.7% (2)	26
Stone conservation	0.0% (0)	7.4% (2)	11.1% (3)	48.1% (13)	0.0% (0)	33.3% (9)	33.3% (9)	22.2% (6)	27
Plastic conservation	19.2% (5)	57.7% (15)	11.5% (3)	11.5% (3)	0.0% (0)	15.4% (4)	0.0% (0)	3.8% (1)	26
Glass conservation	14.8% (4)	18.5% (5)	29.6% (8)	22.2% (6)	0.0% (0)	25.9% (7)	18.5% (5)	11.1% (3)	27
Wall and floor covering conservation	15.4% (4)	15.4% (4)	19.2% (5)	34.6% (9)	0.0% (0)	30.8% (8)	11.5% (3)	11.5% (3)	26
Wood conservation	0.0% (0)	7.7% (2)	23.1% (6)	38.5% (10)	0.0% (0)	38.5% (10)	30.8% (8)	11.5% (3)	26
Metal conservation	0.0% (0)	12.0% (3)	20.0% (5)	40.0% (10)	0.0% (0)	36.0% (9)	28.0% (7)	20.0% (5)	25
Interior environmental monitoring	11.5% (3)	23.1% (6)	23.1% (6)	34.6% (9)	0.0% (0)	23.1% (6)	3.8% (1)	3.8% (1)	26
Conservation lighting, heating and cooling	15.4% (4)	26.9% (7)	19.2% (5)	30.8% (8)	0.0% (0)	26.9% (7)	7.7% (2)	7.7% (2)	26
Brick conservation	3.8% (1)	15.4% (4)	23.1% (6)	19.2% (5)	0.0% (0)	50.0% (13)	23.1% (6)	19.2% (5)	26
Terracotta conservation	7.7% (2)	30.8% (8)	23.1% (6)	7.7% (2)	0.0% (0)	46.2% (12)	15.4% (4)	11.5% (3)	26
								answered question	27
								skipped question	7

31. Availability of Other Specialist Skills

	Do not need these skills	Can not or do not know where to find these skills	Know of one specialist who can provide these skills	Know several specialists who can provide these skills	Know of specialists, but location makes access financially unviable	Have basic knowledge in-house	Have high-level expertise in-house	Skills are a priority for training to enhance your/your business' capacity	Response Count
Structural engineering	0.0% (0)	0.0% (0)	7.4% (2)	66.7% (18)	3.7% (1)	11.1% (3)	18.5% (5)	11.1% (3)	27
Mechanical engineering (lifts, industrial equipment etc)	11.1% (3)	7.4% (2)	14.8% (4)	55.6% (15)	3.7% (1)	11.1% (3)	3.7% (1)	0.0% (0)	27
Geotechnical engineering	7.7% (2)	3.8% (1)	11.5% (3)	61.5% (16)	3.8% (1)	19.2% (5)	3.8% (1)	0.0% (0)	26
Conservators with experience in buildings	7.7% (2)	11.5% (3)	15.4% (4)	46.2% (12)	3.8% (1)	7.7% (2)	11.5% (3)	3.8% (1)	26
Materials scientists with experience in traditional building materials	8.0% (2)	12.0% (3)	28.0% (7)	36.0% (9)	8.0% (2)	8.0% (2)	4.0% (1)	4.0% (1)	25
Pest control specialists	3.8% (1)	7.7% (2)	11.5% (3)	73.1% (19)	3.8% (1)	7.7% (2)	0.0% (0)	0.0% (0)	26
Entomologists	16.0% (4)	40.0% (10)	20.0% (5)	24.0% (6)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	25
Wood anatomists	16.0% (4)	40.0% (10)	36.0% (9)	8.0% (2)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	25
								answered question	27
								skipped question	7

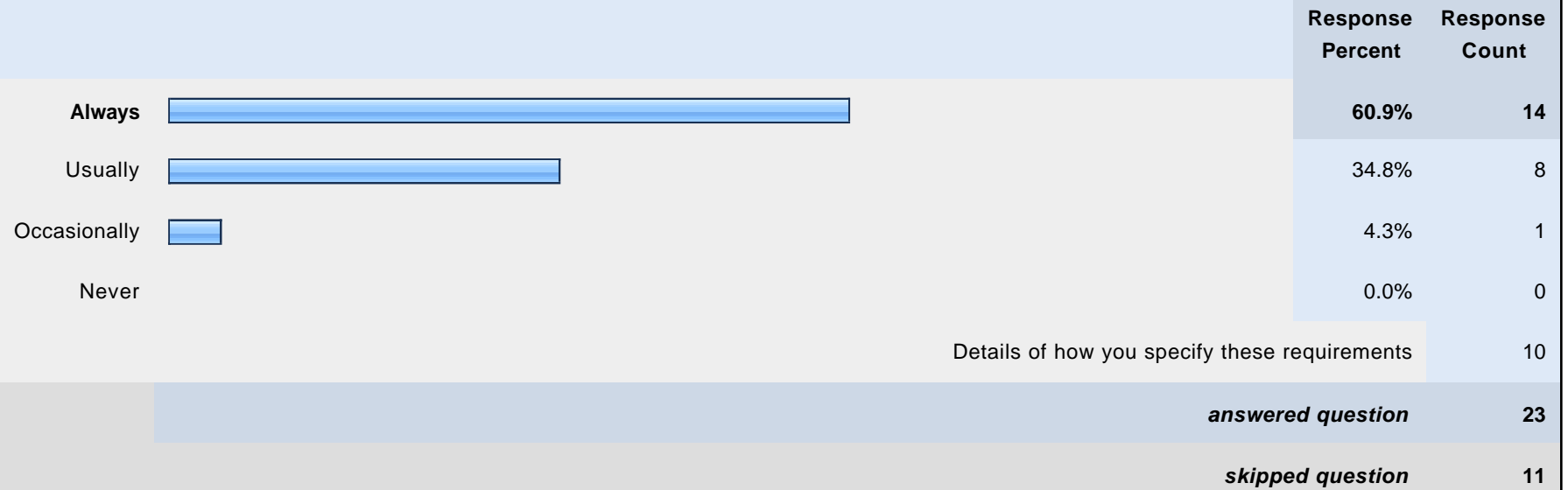
32. Heritage Trades Please tell us about your understanding of the need for and availability in your location of 'competent' or 'specialist' tradespeople with the following skills for work on traditional buildings and structures. NB: 'Competent' is defined as capable of undertaking the work with direction. 'Specialist' is defined as capable of determining what work needs to be done as well as undertaking this work.

	This skill is needed in my location	No competent tradespeople are available	No specialist tradespeople are available	Know of specialists, but location makes access financially unviable	Only 1 competent tradesperson available	One 1 specialist tradesperson available and 1-3 competent tradespeople available	At least 2-3 specialist tradespeople available	Response Count
Bricklaying (pointing and repair)	18.2% (4)	0.0% (0)	18.2% (4)	4.5% (1)	0.0% (0)	22.7% (5)	40.9% (9)	22
Stonemasonry (pointing and repair)	16.0% (4)	0.0% (0)	0.0% (0)	4.0% (1)	0.0% (0)	24.0% (6)	64.0% (16)	25
Carpentry (joinery and cabinet work)	4.8% (1)	0.0% (0)	0.0% (0)	0.0% (0)	9.5% (2)	28.6% (6)	61.9% (13)	21
Traditional timber construction(slab construction etc)	13.0% (3)	4.3% (1)	21.7% (5)	0.0% (0)	13.0% (3)	34.8% (8)	21.7% (5)	23
Plastering, mortaring and rendering	4.2% (1)	0.0% (0)	16.7% (4)	0.0% (0)	12.5% (3)	29.2% (7)	41.7% (10)	24
Lime plastering, mortaring and rendering	4.3% (1)	0.0% (0)	17.4% (4)	0.0% (0)	17.4% (4)	26.1% (6)	39.1% (9)	23
Painting and decorating	4.3% (1)	0.0% (0)	8.7% (2)	4.3% (1)	0.0% (0)	34.8% (8)	52.2% (12)	23
Roofing-slate	4.8% (1)	9.5% (2)	9.5% (2)	0.0% (0)	9.5% (2)	33.3% (7)	38.1% (8)	21
Roofing-terracotta tiles	4.8% (1)	9.5% (2)	9.5% (2)	4.8% (1)	0.0% (0)	42.9% (9)	33.3% (7)	21
Roofing-timber shingles	10.0% (2)	10.0% (2)	20.0% (4)	5.0% (1)	5.0% (1)	35.0% (7)	15.0% (3)	20
Roofing-copper	4.8% (1)	9.5% (2)	19.0% (4)	0.0% (0)	4.8% (1)	28.6% (6)	33.3% (7)	21
Roofing-galvanised products	9.1% (2)	0.0% (0)	18.2% (4)	0.0% (0)	0.0% (0)	22.7% (5)	59.1% (13)	22




Roof plumbing	10.0% (2)	0.0% (0)	15.0% (3)	5.0% (1)	0.0% (0)	25.0% (5)	55.0% (11)	20
Glass and glazing repair (lead lighting etc)	4.8% (1)	4.8% (1)	9.5% (2)	4.8% (1)	4.8% (1)	33.3% (7)	42.9% (9)	21
Metalwork	4.5% (1)	0.0% (0)	9.1% (2)	0.0% (0)	9.1% (2)	40.9% (9)	40.9% (9)	22
Maori Building Craft	46.2% (6)	23.1% (3)	23.1% (3)	7.7% (1)	0.0% (0)	0.0% (0)	0.0% (0)	13
<i>answered question</i>								25
<i>skipped question</i>								9

33. If you experienced difficulty in locating competent or specialist tradespeople for work on traditional buildings and structures, please explain why the appropriate skills could not be obtained.		Response Count
		13
<i>answered question</i>		13
<i>skipped question</i>		21

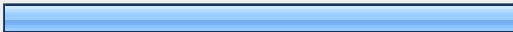
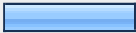
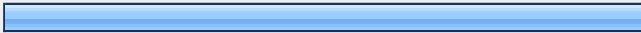
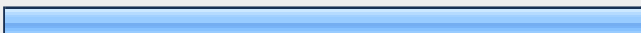
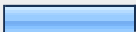

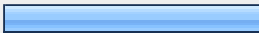
34. If you write specifications for work on traditional buildings and structures, do you include requirements that tradespeople must be competent (with appropriate experience) or specialists, that have particular qualifications in the relevant trade?



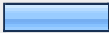

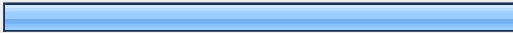
35. When preparing specifications for work on traditional buildings and structures, do you require the use of traditional materials?

	Response Percent	Response Count
Always 	24.0%	6
Usually 	68.0%	17
Occasionally 	12.0%	3
Never	0.0%	0
Additional comments		10
answered question		25
skipped question		9



36. If you do not usually require the use of traditional materials, why not? (more than one response can be chosen)

		Response Percent	Response Count
High cost		40.0%	4
No demand from client		10.0%	1
Difficult to source, non-availability		50.0%	5
Builders do not have skills to use traditional materials		50.0%	5
Not necessary-modern materials are as good or better (or may not be compatible with new uses)		10.0%	1
Modern materials are easier to use		10.0%	1
Traditional materials do not meet building regulations/other regulatory issues		20.0%	2
	Other (please specify)		4
answered question			10
skipped question			24

37. Are your clients (owners and managers) aware of the importance of using traditional materials and of the potential damage caused by using inappropriate substitutes?

	Response Percent	Response Count
Always 	8.0%	2
Usually 	52.0%	13
Occasionally 	40.0%	10
Never	0.0%	0
Additional comments		7
answered question		25
skipped question		9

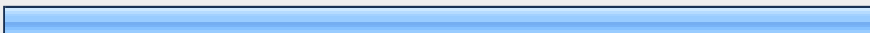

38. Have you experienced difficulty in locating information on traditional materials or trades?

	Response Percent	Response Count
Yes 	48.0%	12
No 	52.0%	13
Additional comments		3
answered question		25
skipped question		9

39. If you have experienced difficulty finding information, please identify the areas that you have had the most difficulty with.

	Response Count
	13
<i>answered question</i>	13
<i>skipped question</i>	21

40. Does a lack of knowledge on how to guide tradespeople in the use of traditional materials make it difficult for you to specify them?

	Response Percent	Response Count
Yes 	68.0%	17
No 	32.0%	8
Additional comments		8
<i>answered question</i>		25
<i>skipped question</i>		9

41. Any further comments?

	Response Count
	8
<i>answered question</i>	8
<i>skipped question</i>	26

