

## **INTERNET ACTIVITY**

AUSTRALIA

page

EMBARGO: 11.30AM (CANBERRA TIME) THURS 28 JUNE 2001

## CONTENTS

	Notes	
	List of ta	bles 3
СНА	A P T E R S	8
	1	Summary of Internet activity findings
	2	Subscriber characteristics
	3	Technical and other services provided by ISPs 15
	4	Selected activity data 18
	5	Regional data

### ADDITIONAL INFORMATION

Explanatory notes	26
Glossary	29
Reference maps	31

 For further information about these and related statistics, contact the National Information Service on 1300 135 070 or Dean Bloom on Brisbane 07 3222 6404.

## NOTES

FORTHCOMING ISSUES	ISSUE (Quarter)	RELEASE DATE		
	June 2001	27 September 2001		
ABOUT THIS PUBLICATION	DN This publication presents a detailed analysis of Internet activity conducted throu Internet Service Provider (ISP) industry in Australia. It contains results from all i ISPs operating in Australia in respect of the three months ended March 2001.			
	The Internet Activity Survey is a quarterly survey which collects details on the acces characteristics of ISPs in Australia. The survey population includes all ISPs registered with the Telecommunications Industry Ombudsman (TIO) and those identified from other sources.			
	the ISP industry and the access to the Internet thi	of the collection will help measure changes in the structure of number of Australian households and organisations obtaining rough ISPs. It will also measure movements in the type and available to provide Internet connectivity.		
MORE INFORMATION ON ABS INFORMATION TECHNOLOGY STATISTICS	available from the Inform <url: http:="" www.abs.go<br="">menu on the home page</url:>	ctivities in the field of information technology statistics is nation Technology Statistics theme page on the ABS Web site ov.au>. To access the theme page, select Themes from the . Details of other ABS publications relating to the production echnologies in Australia can be found in paragraph 19 of the publication.		
COMMENTS	publication presentation	nents and suggestions from users regarding survey content and . These comments should be addressed to the Director, Science s Section, Australian Bureau of Statistics, PO Box 10 Belconnen,		
HISTORICAL COMPARISONS	Statistics in Tables 1.1 an current and two previous	d 1.2 have been presented to allow comparison of data between s quarters.		

Dennis Trewin Australian Statistician

## LIST OF TABLES .....

SUMMARY OF INTERNET ACTIVITY	,	
1	L.1	Internet Activity Summary, Australia
1	L.2	State and Territory Summary 8
SUBSCRIBER CHARACTERISTICS		
2	2.1	Selected Characteristics of Internet Subscribers
2	2.2	Internet Access Plans
2	2.3	Internet Access Technology 14
TECHNICAL AND OTHER SERVICES	S PR	OVIDED BY ISPs
3	<b>3.1</b>	Access Support Provided by ISPs 16
3	3.2	Related Services Provided by ISPs 17
SELECTED ACTIVITY DATA		
4	1.1	Volume of Data Downloaded 19
REGIONAL DATA		
5	5.1	Selected Internet Activity by Statistical Division
5	5.2	Selected Internet Activity by ARIA Category

### ABS • INTERNET ACTIVITY • 8153.0 • MAR QTR 2001 3

. . . . . . .

page

## SUMMARY OF INTERNET ACTIVITY FINDINGS

CHAPTER **1** 

HIGHLIGHTS	■ The number of ISPs in Australia fell 4% to 665 during the March quarter following a
	fall of 3% between September and December 2000.
	The number of Points of Presence (POPs) fell 4%.
	The number of access lines available to subscribers was down 5% from the
	December number.
	The number of subscribers increased by 47,000.
	There was virtually no change in the volume of data downloaded.
	The number of Web sites hosted by ISPs was down 9%. This was mainly due to
	some businesses falling out of the scope of the survey because they now
	concentrate on hosting Web sites and no longer provide Internet access.
ISPs	There were 665 ISPs in Australia supplying Internet access services to 4 million active
	subscribers at the end of March quarter 2001. There were:
	• 6 Very large ISPs (with more than 100,000 subscribers) which provided Internet
	access to 56% (2.2 million) of all Internet subscribers.
	<ul> <li>31 Large ISPs (with 10,001 to 100,000 subscribers) with 28% (1.1 million) of subscribers.</li> </ul>
	• 169 Medium ISPs (with 1,001 to 10,000 subscribers) with 12% (0.5 million) of
	subscribers.
	• 330 Small ISPs (with 101 to 1,000 subscribers) with 4% (0.14 million) of subscribers.
	<ul> <li>129 Very small ISPs (with 100 or fewer subscribers) with only 0.1% (5,000) of subscribers.</li> </ul>
	Over the March quarter 2001, there was a decrease of 31 ISPs overall. The majority of
	these were in the Small size range (decrease of 29). The change can be attributed to ISPs
	leaving the industry.
INTERNET SUBSCRIBERS	Internet subscribers are customers (individuals or businesses) with ISP accounts. Counts
	of subscribers differ from counts of people/organisations/households with Internet
	access. See paragraph 5 of the Explanatory notes for more information.
	Of the 4.0 million Internet subscribers in Australia, there were 3.5 million Household
	subscribers and 482,000 Business and government subscribers.
	At the end of the March quarter 2001, there were 76,000 more Household Internet
	subscribers and 30,000 less Business and government Internet subscribers than at the
	end of the December quarter 2000. Note that some of this movement is due to the way
	some ISPs classify subscribers.
WEB SITES HOSTED	At the end of March quarter 2001, ISPs hosted 88,722 Business and government Web
	sites of which 3,966 (4%) provided an environment for secure transactions. The drop
	from the December quarter 2000 can be attributed to former ISPs ceasing to provide ISP

#### CHAPTER 1 • SUMMARY OF INTERNET ACTIVITY FINDINGS

WEB SITES HOSTED continued	services and no longer being in scope of the survey. Web hosting services were provided by 93% of ISPs and secure access transaction capabilities were provided by 50% of ISPs.
POPS AND ACCESS LINES	A POP is a geographical location where a subscriber can access (connect to) an ISP via access lines. Across Australia, ISPs provided 2,310 POPs and 490,108 access lines, which indicates that on average there were 8.1 subscribers per Internet access line.
DATA DOWNLOADED	There were 1,040 million megabytes (Mbs) of data downloaded by Internet subscribers during the March quarter 2001, which is an average of 262 Mbs per subscriber. This is slightly lower than the December quarter 2000 level. Household subscribers downloaded 611 million Mbs (average of 175 Mbs per subscriber) and Business and government subscribers downloaded 428 million Mbs (average of 888 Mbs per subscriber).
REGIONAL DATA	<ul> <li>From the December quarter 2000 to the March quarter 2001, the following changes occurred at a regional level:</li> <li>New South Wales — ISPs decreased by 8, POPs decreased by 23, access lines decreased by 29,897, subscribers decreased by 34,000 and data downloaded by subscribers increased by 28 million Mbs.</li> <li>Victoria — ISPs decreased by 16, POPs decreased by 48, access lines increased by 2,755, subscribers decreased by 38,000 and data downloaded by subscribers decreased by 83 million Mbs.</li> <li>Queensland — ISPs decreased by 6, POPs decreased by 1, access lines decreased by 2,394, subscribers increased by 51,000 and data downloaded by subscribers increased by 27 million Mbs.</li> <li>South Australia — ISPs decreased by 5, POPs increased by 1, access lines increased by 206, subscribers increased by 24,000 and data downloaded by subscribers increased by 24,000 and data downloaded by subscribers increased by 30,01, subscribers increased by 39,000 and data downloaded by subscribers increased by 12 million Mbs.</li> <li>Western Australia — ISPs decreased by 11, POPs decreased by 16, access lines increased by 3,001, subscribers increased by 39,000 and data downloaded by subscribers increased by 12 million Mbs.</li> <li>Tasmania — ISPs decreased by 1, POPs increased by 1, access lines increased by 1 million Mbs.</li> <li>Northern Territory — ISPs increased by 2, POPs increased by 2, access lines increased by 1 million Mbs.</li> <li>Northern Territory — ISPs increased by 2,000 and data downloaded by subscribers increased by 428, subscribers increased by 2,000 and data downloaded by subscribers increased by 103, subscribers decreased by 1,000 and data downloaded by subscribers remained constant at 9 million Mbs.</li> </ul>

# **1.1** INTERNET ACTIVITY SUMMARY, AUSTRALIA .....

		September Quarter 2000	December Quarter 2000	March Quarter 2001
•••••		•••••		• • • • • • •
ISPs(a)				
Very small	no.	132	129	129
Small	no.	377	359	330
Medium	no.	173	171	169
Large	no.	28	31	31
Very large	no.	8	6	6
Total	no.	718	696	665
Internet access				
Points of Presence	no.	2 244	2 394	2 310
Access lines	no.	521 645	515 740	490 108
Subscribers Business and government Household All	'000 '000 '000	432 3 417 3 849	512 3 410 3 921	482 3 486 3 968
Data downloaded Business and government subscribers Household subscribers Total	million Mbs million Mbs million Mbs	457 595 1 052	467 583 1 050	428 611 1 040
Web sites hosted Business and government Business and government with	no.	101 235	97 165	88 722
secure transaction capabilities	no.	3 710	4 233	3 966

(a) See paragraph 7 of Explanatory notes.

# **1.2** STATE AND TERRITORY SUMMARY .....

	ISPs	POPs	Access lines	All subscribers	Data downloaded by subscribers
	no.	no.	no.	'000'	million Mbs
• • • • • • • • • • • • •	N E	W SOUTH	WALES		
<b>2001</b> March	283	781	157 253	1 284	337
2000 December September	291 299	804 738	187 150 176 078	1 318 1 301	309 336
• • • • • • • • • • • • •					
		VICTOF	AIA		
<b>2001</b> March	248	500	137 465	1 047	250
2000 December September	264 267	548 505	134 710 148 583	1 085 1 020	333 327
• • • • • • • • • • • • •	• • • • • • •	QUEENSL			
2001		QULLINSI	AND		
March 2000	170	437	99 235	803	201
December September	176 177	438 427	101 629 96 035	752 771	174 181
	S	OUTH AUS	TRALIA		
2001					
March	73	186	31 668	278	88
2000 December September	78 78	185 176	31 462 28 324	254 246	84 59
	WE	STERN AL	JSTRALIA		
2001					
March	109	239	40 861	357	113
2000 December September	120 113	255 233	37 860 47 891	318 318	101 99
• • • • • • • • • • • • •		TASMAI			
2001					
March	32	73	10 793	88	17
2000 December September	33 30	72 66	10 627 8 458	83 76	16 14
	• • • • • • •				

. . . . . . . . . .

# **1.2** STATE AND TERRITORY SUMMARY *continued* .....

	ISPs	POPs	Access lines	All subscribers	Data downloaded by subscribers
	no.	no.	no.	'000'	million Mbs
• • • • • • • • • • • • •	NO	RTHERN T	ERRITORY		
2001					
March	20	32	4 ,523	38	9
2000					
December	18	30	4 095	36	9
September	17	30	3 183	30	8
2001		IAN CAPIT			
March	57	62	8 310	73	24
2000					
December	56	62	8 207	74	24
September	58	69	13 093	86	27
	•••••• T	OTAL AUS	TRALIA		
<b>2001</b> March	665	2 310	490 108	3 968	1 040
2000					
December	696	2 394	515 740	3 921	1 050
September	718	2 244	521 645	3 849	1 052

CHAPTER **2** 

## SUBSCRIBER CHARACTERISTICS

SUBSCRIBERS	Active subscribers are defined as customers having accounts with ISPs who have accessed the Internet or paid for access to the Internet during the 90 days of the reference period. Counts of subscribers differ from counts of people/organisations/households with Internet access. See paragraph 5 of the Explanatory notes for more information.
	At the end of the March quarter 2001, there were 4.0 million active Internet subscribers in Australia comprising 3.5 million Household Internet subscribers and 482,000 Business and government Internet subscribers.
	Only 4% of subscribers had permanent access to the Internet, with the remainder having dial-up access.
SUBSCRIBER GROWTH	At the end of the March quarter 2001, there were 76,000 more Household Internet subscribers and 30,000 less Business and government Internet subscribers. When compared to December quarter levels, there were 123,000 fewer free Internet accounts but there was an increase in the number of fee paying Internet subscribers.
ACCESS TECHNOLOGY	The principal Internet access technology utilised by subscribers for the March quarter 2001 was analog connection with 97% (3.7 million) of dial-up and 26% (40,000) of permanent subscribers connected to the Internet by an analog line.
ACCESS PLANS	Of the 4.0 million Internet subscribers, 6% (254,000) were on a free Internet access plan. This was a decrease of 123,000 from the December quarter. Nearly all (97%) of the free Internet access plans related to Household subscribers.
	The majority of Internet subscribers were either on a monthly/quarterly/annual access plan (68% or 2.7 million subscribers), or an hourly access plan (22% or 0.9 million subscribers).
	There were 66% (320,000) of Business and government subscribers on a monthly/quarterly/annual access plan, while 69% (2.4 million subscribers) of Household subscribers used these plans. Hourly access plans accounted for 26% (125,000 subscribers) of Business and government subscribers and 22% (766,000) of Household subscribers.

. . . . . . .

## **2.1** SELECTED CHARACTERISTICS OF INTERNET SUBSCRIBERS(a)(b) .....

	Business and government subscribers	Household subscribers	Total
	'000	'000'	'000'
SUB	SCRIBERS AT REFERENCE		G OF
Dial-up acc Permanent	ess np	np	3 788
access	np	np	133
Total	512	3 410	3 921
NEW SU	BSCRIBERS I PERI		ERENCE
Dial-up acc Permanent		np	562
access	np	np	23
Total	79	495	574
SUBSC	RIBERS AT E PERI		RENCE
Dial-up acc Permanent	ess np	np	3 814
access	np	np	154
Total	482	3 486	3 968
• • • • • • • •			• • • • • • • •
•	ilable for publication ble, unless otherwise		tals where
ISPs wh	bers are defined as on no have accessed the ernet during the 90 d	e Internet or paid f	for access to

- the Internet during the 90 days of the reference period. Counts of subscribers differ from counts of people/organisations/households with Internet access. See paragraph 5 of the Explanatory notes for more information.
- (b) Subscribers at the beginning of the reference period plus new subscribers do not equal subscribers at the end of the reference period as this does not take into account subscribers who leave.

0	0
<b>∠</b> .	_

### INTERNET ACCESS PLANS

	FREE AC	CESS .	MONTHLY/QU ANNUAL ACC		HOURLY ACCESS .	
	Subscribers	Subscribers	Subscribers	Subscribers	Subscribers Sub	scribers
	'000'	%	'000'	%	'000	%
••••		••••	• • • • • • • • • • • • • • • •	• • • • • • • • • • • • •		
		BUSINE	SS AND GOVERN	MENT		
Very small ISPs	_	—	1	50	_	_
Small ISPs	—	_	22	69	9	28
Medium ISPs	np	np	65	52	57	46
Large ISPs	np	np	79	53	50	34
Very large ISPs	np	np	152	87	9	5
Total	7	1	320	66	125	26
			HOUSEHOLD			
Very small ISPs	_	5	2	77	_	17
Small ISPs	4	4	74	67	30	27
Medium ISPs	3	1	219	59	140	38
Large ISPs	146	15	564	59	246	26
Very large ISPs	94	5	1 538	75	350	17
Total	247	7	2 397	69	766	22
•••••		••••		• • • • • • • • • • • • •		
			ALL			
Very small ISPs	_	4	4	76	1	18
Small ISPs	4	3	96	67	39	27
Medium ISPs	np	np	285	58	197	40
Large ISPs	np	np	643	58	296	27
Very large ISPs	np	np	1 690	76	359	16
Total	254	6	2 717	68	891	22
						*

— nil or rounded to zero (including null cells)

np not available for publication but included in totals where applicable, unless otherwise indicated

**2.2** INTERNET ACCESS PLANS continued .....

	VOLUME				ALL ACCE	ESS						
	ACCESS		OTHER A	ACCESS	PLANS							
	Subscribers	Subscribers	Subscribers	Subscribers	Subscribers	Subscribers						
	'000'	%	'000'	%	'000'	%						
	BUSINESS AND GOVERNMENT											
Very small ISPs	_	_	_	_	2	100						
Small ISPs	—	_	1	3	32	100						
Medium ISPs	np	np	np	np	125	100						
Large ISPs	np	np	np	np	148	100						
Very large ISPs	np	np	np	np	175	100						
Total	np	np	np	np	482	100						
		HOU	SEHOLD									
Very small ISPs	—	—	—	1	3	100						
Small ISPs	2	2	1	1	110	100						
Medium ISPs	3	1	3	1	369	100						
Large ISPs	3	—	—	—	958	100						
Very large ISPs	—	—	67	3	2 046	100						
Total	8	_	71	2	3 486	100						
ALL												
Very small ISPs	_	1	_	1	5	100						
Small ISPs	2	2	2	1	143	100						
Medium ISPs	np	np	np	np	493	100						
Large ISPs	np	np	np	np	1 106	100						
Very large ISPs	np	np	np	np	2 222	100						
Total	np	np	np	np	3 968	100						

— nil or rounded to zero (including null cells)

np not available for publication but included in totals where applicable, unless otherwise indicated

## **2.3** INTERNET ACCESS TECHNOLOGY(a) .....

	Subscribers	Subscribers	ISPs providing subscribers with this access
	Gubsenbers	Gabacilbera	000000
	'000	%	no.
Dial-up access			
Analog	3 707	97	605
Digital	56	1	83
Wireless	np	np	21
Satellite	2	_	np
Other	np	np	np
Total dial-up	3 814	100	631
Permanent			
access			
Analog	40	26	365
DSL(b)	27	18	52
Digital	np	np	155
Cable	np	np	10
Satellite	2	1	18
Microwave	_	_	27
Other	1	1	29
Total			
permanent	154	100	453
Total	3 968	100	665

np not available for publication but included in totals where applicable, unless otherwise indicated

— nil or rounded to zero (including null cells)

(a) ISPs are counted for each technology provided, hence the totals may not equal the sum of its components.

(b) DSL dial-up was published in Table 2.3 in the December issue. Investigations have revealed that DSL is only available as a permanent connection. As a result this category is now included only under the permanent access sub-heading.

. . . . . .

## CHAPTER **3**

## TECHNICAL AND OTHER SERVICES PROVIDED BY ISPs

ACCESS SUPPORT	ISPs provided a variety of technical support services to their subscribers, including on-line, help desk and call out/on-site services. The support offered for the March quarter 2001 showed little change from the December quarter 2000.
	On-line support services were provided by 80% of ISPs with the larger ISPs (Very large ISPs 100% and Large ISPs 94%) more likely to provide this service than smaller ISPs (Very small ISPs 67% and Small ISPs 81%).
	<ul> <li>Different levels of help desk support offered by ISPs were:</li> <li>business hours — provided by 89% of ISPs;</li> <li>extended hours — provided by 67% of ISPs; and</li> <li>24 hours — provided by 18% of ISPs.</li> </ul>
	Call out/on-site support services were provided by 69% of ISPs. Other technical services provided by ISPs were start up disk/package services (provided by 50% of ISPs) and pager services (provided by 25% of ISPs).
RELATED SERVICES	<ul> <li>Other related services provided by ISPs include:</li> <li>Web design — provided by 67% of ISPs;</li> <li>Web hosting — provided by 93% of ISPs;</li> <li>secure access or transactions capabilities — provided by 50% of ISPs;</li> <li>network/systems integration — provided by 62% of ISPs; and</li> <li>training services - provided by 48% of ISPs.</li> </ul>

parts of the business that were not covered by the Internet Activity Survey and have therefore not been included in the statistics.

# **3.1** ACCESS SUPPORT PROVIDED BY ISPs(a) .....

		Very small ISPs	Small ISPs	Medium ISPs	Large ISPs	Very Iarge ISPs	Total
• • • • • • • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • •
Online support service							
	no. %	87 67	267 81	146 86	29 94	6 100	535 80
Business hours help desk	70	07	01	80	94	100	80
	no.	103	299	157	29	6	594
	%	80	91	93	94	100	89
Extended hours help desk							
	no.	66	219	126	29	6	446
0.4 have hale	%	51	66	75	94	100	67
24 hour help desk support service							
	no.	31	40	26	14	6	117
	%	24	12	15	45	100	18
Pager service							
	no.	31	85	42	np	np	167
	%	24	26	25	np	np	25
Call out/on site support service							
	no.	82	238	125	np	np	461
	%	64	72	74	np	np	69
Start up disk/package							
	no.	34	156	117	20	6	333
	%	26	47	69	65	100	50

np not available for publication but included in totals where applicable, unless otherwise indicated

(a) Proportions are of total ISPs in each size group.

. . . . . . . . . .

# **3.2** RELATED SERVICES PROVIDED BY ISPs(a) .....

		Very small ISPs	Small ISPs	Medium ISPs	Large ISPs	Very Iarge ISPs	Total
• • • • • • • • • • • • •	• • • • • • •			• • • • • • •			
Web design							
•	no.	79	245	116	np	np	448
	%	61	74	69	np	np	67
Training services							
	no.	54	175	77	np	np	316
	%	42	53	46	np	np	48
Network/system s integration							
	no.	78	209	103	14	5	409
	%	60	63	61	45	83	62
Secure access or transactions							
	no.	44	166	104	17	3	334
	%	34	50	62	55	50	50
Web hosting							
	no.	112	320	155	25	6	618
	%	87	97	92	81	100	93
• • • • • • • • • • • • •	•••••	•••••		•••••			

np not available for publication but included in totals where applicable, unless otherwise

indicated

. . . . . . . . . . . . . . .

(a) Proportions are of total ISPs in each size group.



### SELECTED ACTIVITY DATA

#### DATA DOWNLOADED

There were 1,040 million Mbs of data downloaded by Internet subscribers during the March quarter 2001. Household subscribers downloaded 611 million Mbs (59%) while Business and government subscribers downloaded 428 million Mbs (41%). The majority of the Mbs downloaded came from the larger ISPs. Downloads from Very large ISPs accounted for 36% of the Mbs downloaded by subscribers, with Large ISPs and Medium ISPs accounting for 49% and 12% respectively.

There was an average of 262 Mbs of data downloaded per Internet subscriber during the three months of the March quarter 2001. Household subscribers downloaded an average of 175 Mbs of data and Business and government subscribers downloaded an average of 888 Mbs of data.

Internet subscribers serviced by smaller ISPs tended to have higher average Mbs download levels (an average of 800 Mbs for Very small ISPs and 217 Mbs for Small ISPs) than subscribers serviced by larger ISPs (167 Mbs for Very large ISPs and 457 Mbs for Large ISPs).

# 4.1 VOLUME OF DATA DOWNLOADED .....

Data Data downloaded downloaded

million

%

### Mbs

### BUSINESS AND GOVERNMENT SUBSCRIBERS

Very small ISPs	np	np
Small ISPs	12	3
Medium ISPs	48	11
Large ISPs	292	68
Very large ISPs	np	np
Total	428	100

## HOUSEHOLD SUBSCRIBERS

Very small ISPs	np	np
Small ISPs	18	3
Medium ISPs	80	13
Large ISPs	213	35
Very large ISPs	np	np
Total	611	100

## ALL SUBSCRIBERS

Very small ISPs	4	_
Small ISPs	31	3
Medium ISPs	128	12
Large ISPs	505	49
Very large ISPs	371	36
Total	1 040	100

np not available for publication but included in totals where applicable, unless otherwise indicated

- nil or rounded to zero (including null cells)

CHAPTER 5

### REGIONAL DATA .....

INTRODUCTIONThe details presented on access lines, Internet subscribers and volume of data<br/>downloaded in the following tables relate to a combination of data for dial-up and<br/>permanent subscribers as well as Household and Business and government subscribers.<br/>Accordingly, the details should be used with caution as the proportions of types of<br/>subscribers would vary between regional areas.

STATISTICAL DIVISIONSThere was a wide distribution of ISPs across Statistical Divisions (SDs) in Australia, with<br/>the highest concentration occurring in the Capital city SDs. Capital city SDs accounted<br/>for 71% of access lines, 73% of subscribers and 76% of Mbs downloaded. They recorded<br/>an average of 8.4 subscribers per access line and an average of 276 Mbs of data<br/>downloaded per subscriber. This compares with 7.7 subscribers per access line and an<br/>average of 231 Mbs of data downloaded per subscriber for all other SDs across Australia.

- New South Wales Sydney SD had 213 ISPs servicing 929,000 subscribers (72% of State subscribers). All other SDs in the State had 121 ISPs servicing 355,000 subscribers.
- Victoria Melbourne SD had 217 ISPs servicing 830,000 subscribers (79% of State subscribers). All other SDs in the State had 68 ISPs servicing 217,000 subscribers.
- Queensland Brisbane SD had 110 ISPs servicing 465,000 subscribers (58% of State subscribers). All other SDs in the State had 98 ISPs servicing 338,000 subscribers.
- South Australia Adelaide SD had 64 ISPs servicing 237,000 subscribers (85% of State subscribers). All other SDs in the State had 20 ISPs servicing 41,000 subscribers.
- Western Australia Perth SD had 94 ISPs servicing 271,000 subscribers (76% of State subscribers). All other SDs in the State had 31 ISPs servicing 86,000 subscribers.
- Tasmania Greater Hobart SD had 29 ISPs servicing 54,000 subscribers (61% of State subscribers). All other SDs in the State had 18 ISPs servicing 34,000 subscribers.
- Northern Territory Darwin SD had 18 ISPs servicing 29,000 subscribers (76% of Territory subscribers). In the other SDs in the Territory there were 13 ISPs servicing 9,000 subscribers.
- Australian Capital Territory Canberra SD had 57 ISPs servicing 73,000 subscribers (100% of Territory subscribers).

ACCESSIBILITY The accessibility of regions across Australia has been categorised according to their remoteness. This categorisation is based on a region's Accessibility/Remoteness Index of Australia (ARIA) score. For more details on the ARIA refer to paragraph 10 of the Explanatory notes.

Nearly all subscribers accessed a Point of Presence (POP) located in either Highly accessible (89%) or Accessible (8%) regions in Australia. Only 1% (49,000) of subscribers

ACCESSIBILITY continued

accessed a POP in Very remote or Remote regions and 2% (84,000) in Moderately accessible regions. The number of subscribers per access line in Highly accessible regions was 8.1, in Accessible regions 8.2, Moderately accessible regions 8.8, Remote regions 9.3 and Very remote regions 7.5.

. . . . . . . . . . . . . . . . . . .

. . . . . . . . .

## 5.1 SELECTED INTERNET ACTIVITY BY STATISTICAL DIVISION(a) .....

			lines	All subscribers	by subscribers	subscribers per access line(c)	per subscriber(c)
	no.	no.	no.	'000	million Mbs	no.	Mb
• • • • • • • • • • • • • • • • • • • •	• • • • • • •			• • • • • • • • • • •			
New South Wales							
Sydney	213	315	107 421	929	254	8.6	274
Hunter	41	61	10 791	71	15	6.6	207
Illawarra	52	69	10 743	65	16	6.1	239
Richmond-Tweed	25	30	2 737	27	14	9.9	514
Mid-North Coast	25	70	7 436	51	12	6.9	228
Northern	18	56	3 654	28	6	7.7	212
North Western	14	25	1 273	13	2	10.2	177
Central West	19	39	2 769	22	5	7.9	210
South Eastern	26	41	2 376	20	3	8.4	151
Murrumbidgee	16	32	2 246	22	4	9.8	192
Murray	24	31	5 121	31	6	6.1	193
Far West	11	12	686	4	1	5.8	204
Total	283	781	157 253	1 284	337	8.2	262
Victoria							
Melbourne	217	268	111 661	830	206	7.4	249
Barwon	32	39	5 988	36	7	6.0	206
Western District	10	14	1 113	14	2	12.6	109
Central Highlands	29	30	4 160	32	6	7.7	191
Wimmera	5	10	371	5	1	13.5	105
Mallee	14	17	2 032	17	3	8.4	200
Loddon	19	28	3 394	32	8	9.4	239
Goulburn	21	35	4 176	34	9	8.1	262
Ovens-Murray	11	13	980	8	1	8.2	180
East Gippsland	7	15	539	9	1	16.7	108
Gippsland	19	31	3 051	32	5	10.5	168
Total	248	500	137 465	1 047	250	7.6	238
Queensland							
Brisbane	110	132	54 003	465	123	8.6	265
Moreton	62	91	16 948	141	30	8.3	212
Wide Bay-Burnett	17	32	4 417	30	7	6.8	227
Darling Downs	23	41	4 440	29	7	6.5	252
South West	4	17	239	np	np	np	186
Fitzroy	18	33	7 269	44	11	6.1	253
Central West	3	5	np	np	np	np	266
Mackay	18	23	np	22	np	np	np
Northern	12	17	3 185	24	7	7.5	273
Far North	23	35	4 994	40	9	8.0	231
North West	6	11	852	6	1	7.0	187
Total	170	437	99 235	803	201	8.1	251

np not available for publication but included in totals where applicable, (b) ISPs are counted in each SD where that ISP has a presence. unless otherwise indicated

(c) Average figures are calculated using actual data as opposed to rounded figures.

(a) Subscribers and data downloaded has been apportioned to a Statistical Division (SD) according to the location of their POP where the activity took place.

. . . . . .

## **5.1** SELECTED INTERNET ACTIVITY BY STATISTICAL DIVISION (a) continued .....

		202	Access	All	Data downloaded by	Average number of subscribers per	Average data downloaded per
	ISPs(b)	POPs	lines	subscribers	subscribers	access line(c)	subscriber(c)
	no.	no.	no.	'000	million Mbs	no.	Mb
	• • • • • • • • • • •		• • • • • • • • • • • •		• • • • • • • • • • •		
South Australia							
Adelaide	64	85	27 585	237	74	8.6	312
Outer Adelaide	6	10	429	6	3	14.0	435
Yorke and Lower							
North	5	10	417	4	1	9.6	305
Murray Lands	11	22	927	10	2	10.8	222
South East	10	19	878	8	2	9.1	256
Eyre	7	14	286	4	2	14.0	384
Northern	11	26	1 146	9	4	7.9	498
Total	73	186	31 668	278	88	8.8	317
Western Australia							
Perth	94	115	30 648	271	92	8.8	340
South West	21	32	4 120	33	8	8.0	235
Lower Great							
Southern	8	13	885	11	2	12.4	190
Upper Great							
Southern	np	3	np	np	np	7.9	np
Midlands	np	13	808	np	np	np	216
South Eastern	13	23	np	np	np	8.5	356
Central	9	15	1 171	9	1	7.7	156
Pilbara	7	17	1 002	5	1	5.0	273
Kimberley	6	8	350	3	1	8.6	244
Total	109	239	40 861	357	113	8.7	317
Tasmania			0 5 0 5				
Greater Hobart	29	34	6 585	54	11	8.2	198
Northern	17	20	2 138	16	5	7.5	283
Mersey-Lyell	9	19	2 070	18	2	8.7	119
Total	32	73	10 793	88	17	8.2	197
Northern Territory							
Darwin	18	19	3 675	29	7	7.9	241
Northern Territory							
— Balance	11	13	848	9	2	10.6	214
Total	20	32	4 523	38	9	8.4	234
Australian Capital							
Territory		~~~	0.040	70	~ *		
Canberra	57	62	8 310	73	24	8.8	328
Total	57	62	8 310	73	24	8.8	328
Total for Australia	665	2 310	490 108	3 968	1 040	8.1	262

np not available for publication but included in totals where applicable, unless otherwise indicated

(b) ISPs are counted in each SD where that ISP has a presence. (c) Average figures are calculated using actual data as opposed to rounded figures.

(a) Subscribers and data downloaded has been apportioned to a Statistical Division (SD) according to the location of their POP where the activity took place.

. . . . . . . . . . . . . . . . . .

## **5.2** SELECTED INTERNET ACTIVITY BY ARIA CATEGORY(a)(b) .....

	ISPs(c)	POPs	Access lines	All subscribers	Data downloaded by subscribers	Average number of subscriber per access line(d)	Average data downloaded per subscriber(d)
	no.	no.	no.	'000'	million Mbs	no.	Mb
New South Wales							
Highly accessible	254	527	141 280	1 155	311	8.2	269
Accessible	59	203	14 434	114	23	7.9	202
Moderately							
accessible	22	39	np	13	3	np	203
Remote	np	np	np	np	np	10.5	279
Very remote	np	np	np	np	np	44.6	_
Total	283	781	157 253	1 284	337	8.2	262
Victoria							
Highly accessible	241	445	133 843	1 009	244	7.5	241
Accessible	32	43	3 379	34	5	10.1	153
Moderately							
accessible	5	12	243	4	1	16.5	223
Remote	—	—	—	—	—	—	—
Very remote	—	—	—	_	—	—	
Total	248	500	137 465	1 047	250	7.6	238
Queensland							
Highly accessible	149	282	82 319	676	171	8.2	252
Accessible	28	56	9 603	68	17	7.1	255
Moderately							
accessible	27	62	6 024	49	11	8.1	226
Remote	8	np	np	np	np	7.2	220
Very remote	3	np	np	np	np	10.8	246
Total	170	437	99 235	803	201	8.1	251
South Australia							
Highly accessible	66	102	28 507	248	76	8.7	313
Accessible	14	42	2 063	16	6	7.8	390
Moderately							
accessible	11	24	750	10	np	13.3	np
Remote	7	14	np	np	2	12.8	np
Very remote	3	4	np	np	np	20.1	np
Total	73	186	31 668	278	88	8.8	317
Western Australia							
Highly accessible	99	142	34 448	301	100	8.7	331
Accessible Moderately	15	24	2 257	np	5	np	np
accessible	7	18	np	np	1	8.2	np
Remote	3	10	np	3	1	np	285
Very remote	17	45	2 969	21	6	7.1	309
Total	109	239	40 861	357	113	8.7	317

np not available for publication but included in totals where applicable, (b) Some States/Territories do not have regions coded to all ARIA unless otherwise indicated

nil or rounded to zero (including null cells)

(a) Subscribers and data downloaded by subscriber has been

categories.

(c) ISPs are counted in each Statistical Division (SD) where that ISP has a presence.

apportioned to an Accessibility/Remoteness Index of Australia (ARIA) (d) Average figures are calculated using actual data as opposed to category according to the location of the POP where the activity took place. For a description of ARIA refer to paragraphs 10 to 13 of the Explanatory notes.

rounded figures.

## **5.2** SELECTED INTERNET ACTIVITY BY ARIA CATEGORY(a)(b) continued .....

	ISPs(c)	POPs	Access lines	All subscribers	Data downloaded by subscribers	Average number of subscriber per access line(d)	Average data downloaded per subscriber(d)
	no.	no.	no.	'000	million Mbs	no.	Mb
					• • • • • • • • • •		
Tasmania							
Highly accessible	31	52	8 646	70	15	8.1	215
Accessible	9	16	1871	np	np	np	125
Moderately							
accessible	3	5	276	np	np	np	90
Remote	_	_	_	_	_	_	_
Very remote	_	_	_	_	_	_	_
Total	32	73	10 793	88	17	8.2	197
Northern Territory							
Highly accessible	_	_	_	_	_	_	_
Accessible	18	19	3 675	29	np	7.9	np
Moderately							
accessible	_	_	_	_	_	_	_
Remote	np	np	np	np	2	10.9	np
Very remote	np	np	np	np	np	11.3	66
Total	20	32	4 523	38	9	8.4	234
Australian Capital							
Territory							
Highly accessible	57	62	8 310	73	24	8.8	328
Accessible	_	_	_	_	_	_	_
Moderately							
accessible	_	_	_	_	_	_	_
Remote	_	_	_	_	_	_	_
Very remote	_	_	_	_	_	_	_
Total	57	62	8 310	73	24	8.8	328
Total for Australia							
Highly accessible	598	1 612	437 353	3 531	941	8.1	267
Accessible	114	403	37 282	304	66	8.2	216
Moderately							
accessible	53	160	9 585	84	19	8.8	220
Remote	23	63	2 675	25	7	9.3	265
Very remote	20	72	3 213	24	7	7.5	307
Total	665	2 310	490 108	3 968	1 040	8.1	262
• • • • • • • • • • • • • • • • • • • •		• • • • • • • • • • •		• • • • • • • • • • •			

np not available for publication but included in totals where applicable, (b) Some States/Territories do not have regions coded to all ARIA unless otherwise indicated

— nil or rounded to zero (including null cells)

(a) Subscribers and data downloaded by subscriber has been

(c) ISPs are counted in each Statistical Division (SD) where that ISP has a presence.

categories.

apportioned to an Accessibility/Remoteness Index of Australia (ARIA) (d) Average figures are calculated using actual data as opposed to category according to the location of the POP where the activity took place. For a description of ARIA refer to paragraphs 10 to 13 of the Explanatory notes.

rounded figures.

### EXPLANATORY NOTES .....

INTRODUCTION	<b>1</b> This publication presents results from a survey covering all identified Internet Service Providers (ISPs), entitled the Internet Activity Survey, in respect of the March quarter 2001.
SURVEY SCOPE AND METHODOLOGY	2 The scope of the Internet Activity Survey is all Australian based ISPs operating during the reference period. ISPs are defined as businesses that supply Internet connectivity services to individuals, households, businesses and other organisations. Libraries, Internet kiosks and Internet cafes which provide Internet access on a casual basis are excluded from the survey.
	<b>3</b> The primary source of the survey population frame is the Telecommunications Industry Ombudsman (TIO) with which ISPs are required to register. The TIO list is supplemented where necessary with ISPs identified from other sources such as Internet association membership lists and industry media.
	<b>4</b> The Internet Activity Survey is conducted as a mail-out, mail-back survey. The ABS is investigating secure means of capturing this data electronically for future iterations of this survey.
SUBSCRIBERS	<b>5</b> Active subscribers are defined as customers having accounts with ISPs who have accessed the Internet or paid for access to the Internet during the 90 days of the reference period. Counts of subscribers are not the same as counts of people/organisations with Internet access because subscribers may have accounts with more than one ISP and conversely an ISP subscriber account may provide Internet access (and email addresses) for several people/organisations.
STATISTICAL UNIT	<b>6</b> The unit for which statistics were reported in the survey was the trading entity providing Internet access. In most cases this equates with the ABS concept of the management unit. The management unit is the highest-level accounting unit within a business or organisation, having regard for industry homogeneity, for which accounts are maintained. In nearly all cases it coincides with the legal entity owning the business (i.e. company, partnership, trust, sole operator etc.).
	<b>7</b> ISPs in this survey have been classified by size according to the number of subscribers ISPs reported for at the end of the reporting period. The size categories are defined as follows:
	Very small ISP1–100 subscribersSmall ISP101–1,000 subscribersMedium ISP1,001–10,000 subscribersLarge ISP10,001–100,000 subscribersVery large ISP100,001+ subscribers
	8 The data contained in Tables 5.1 and 5.2 have been classified on a

geographical basis by allocating Point of Presence (POP) details:

. . . . . . . . .

STATISTICAL UNIT continued	<ul> <li>to Statistical Divisions (SDs) within States and Territories, as set out in the <i>Australian Standard Geographical Classification</i> (ASGC) (Cat. no. 1216.0). The SD is the largest and most stable geographical unit within each State and Territory. Reference map 1 at the back of this publication shows the SD boundaries; and</li> <li>to Accessibility/Remoteness Index of Australia (ARIA) categories, as outlined in Accessibility/Remoteness Index of Australia (ARIA), <i>Department of Health and Aged Care Occasional Papers, Series No. 6, March 1999</i>. The results in Table 5.2 are experimental in nature as the classification of remoteness is still in its early stages of development. Reference map 2 at the back of this publication shows the ARIA boundaries.</li> </ul>
POINT OF PRESENCE	<b>9</b> Numbers of POPs is equal to the number of POPs made available by ISPs. This may be more than the number of physical POPs due to the sharing of POPs between ISPs.
ACCESSIBILITY/REMOTENESS INDEX OF AUSTRALIA	<b>10</b> The ARIA methodology was developed by the National Key Centre for Social Applications of Geographical Information Systems at the University of Adelaide. The work was funded by the Commonwealth Department of Health and Aged Care and a number of organisations, including the ABS, helped develop the final product.
	<ul> <li>11 The ARIA defines remoteness in terms of accessibility to defined service centres. Remoteness values for 11,338 populated localities are derived in terms of road distance to those service centres. Localities which are more remote have less access to service centres and conversely, those which are less remote have greater access to service centres. The Department of Health and Aged Care recommends the following five categories of remoteness:</li> <li>Highly Accessible (ARIA score: less than 1.84) — relatively unrestricted accessibility to a wide range of goods and services and opportunities for social interaction.</li> <li>Accessible (ARIA score: 1.84 – 3.51) — some restrictions to accessibility of some goods, services and opportunities for social interaction.</li> <li>Moderately Accessible (ARIA score: 3.51 – 5.80) — significantly restricted accessibility of goods, services and opportunities for social interaction.</li> <li>Remote (ARIA score: 5.80 – 9.08) — very restricted accessibility of goods, services and opportunities for social interaction.</li> <li>Very Remote (ARIA score: 9.08 or more) — locally disadvantaged, with very little accessibility of goods, services and opportunities for social interaction.</li> <li>In order to classify POP details to ARIA categories, they were first coded to</li> </ul>
	Statistical Local Area (SLA) based on their location. The average ARIA index value for the SLA was then used to derive an ARIA category for each POP.
	<b>13</b> On 15 January 2001, the ABS released an information paper on plans to introduce a classification of remoteness. The publication, <i>Information Paper: ABS Views on Remoteness</i> (Cat. no. 1244.0), details the proposed classification and invites comments from potential users of the remoteness classification and other interested parties.
REFERENCE PERIOD	<b>14</b> Data contained in this publication relate to ISPs which operated in Australia at any time during the reference quarter. However, counts of ISPs reflect only those businesses operating at the end of the reference period.
RELIABILITY OF DATA	<b>15</b> As the survey does not have a sample component, the data are not subject to sampling variability. However, other inaccuracies collectively referred to as

#### EXPLANATORY NOTES

RELIABILITY OF DATA continue	<ul> <li>non-sampling error may affect the data. These non-sampling errors may arise from a number of sources, including:</li> <li>errors in the reporting of data by respondents;</li> <li>errors in capturing or processing of data;</li> <li>estimation for missing or misreported data; and</li> <li>definition and classification errors.</li> </ul>	
	<b>16</b> Every effort has been made to reduce non-sampling error to a minimum by careful design and testing of questionnaires, efficient operating procedures and systems, and appropriate methodology.	
ACKNOWLEDGMENT	<b>17</b> ABS publications draw extensively on information provided freely by individuals, businesses, governments and other organisations. Their continued cooperation is very much appreciated. Without it, the wide range of statistics published by the ABS would not be available. Information received by the ABS is treated in strict confidence as required by the <i>Census and Statistics Act 1905</i> .	
	<b>18</b> In particular, the ABS acknowledges the assistance of the Telecommunications Industry Ombudsman in providing regular lists of registered ISPs.	
RELATED PUBLICATIONS	<ul> <li><b>19</b> Other ABS publications on information technology and telecommunications in Australia are:</li> <li>Business Use of Information Technology, Australia, 1999–2000 (Cat. no. 8129.0).</li> <li>Computing Services Industry, Australia, 1998–99 (Cat. no. 8669.0).</li> <li>Government Use of Information Technology, Australia, 1997–98 (Cat. no. 8119.0).</li> <li>Household Use of Information Technology, Australia, 1999 (Cat. no. 8146.0).</li> <li>Information Technology, Australia 1998–99 (Cat. no. 8126.0).</li> <li>Use of Information Technology on farms, Australia, 1998–99 (Cat. no. 8150.0).</li> <li>Use of the Internet by Householders, Australia, November 2000 (Cat. no. 8147.0).</li> </ul>	
AVAILABILITY OF UNPUBLISHED STATISTICS	<b>20</b> The ABS may make available on request certain unpublished statistics from this survey, subject to the application of confidentiality provisions.	
ABBREVIATIONS		
	<ul> <li>nil or rounded to zero (including null cells)</li> </ul>	
	ABS Australian Bureau of Statistics ARIA Accessibility/Remoteness Index of Australia	
	ISPs Internet Service Providers	
	Mb Megabyte	
	n.p. not available for publication but included in totals where applicable	
	POP Point of Presence	
	SD Statistical Division	
	TIO Telecommunications Industry Ombudsman	

## GLOSSARY .....

Access plan	The Internet access package options available to subscribers from ISPs.
Access lines	Lines, points, ports, modem access points available to subscribers to access their ISP.
Active subscribers	Subscribers who have accessed the Internet or paid for access to the Internet through an ISP in the 90 days during the reference period.
Analog/Public Switched Telephone Network (PSTN)	A telecommunications network operated by a carrier to provide services to the public and carries continuously variable signals or data.
Business and government subscribers	All businesses, corporations, nonprofit organisations and government organisations who obtain access to the Internet through an ISP.
Business hours telephone service	A telephone support service which operates during normal business hours.
Cable modem	A modem that sends and receives data through a coaxial cable television network instead of through telephone lines as do conventional modems. Cable modems, which have speeds of 500 Kbps, can transmit data faster than current conventional modems.
Data downloaded	Volume of data downloaded by subscribers from the Internet.
Dial-up access	Subscribers who connect to the Internet via modem and dial-up software.
Digital/Integrated Services Digital Network (ISDN)	A digital access technique for both voice and data. Digital alternative to an analogue public switched telephone service and carries data or voltages consisting of discrete steps or levels, as opposed to continuously variable analog data. Integrated Services Digital Network (ISDN) enables digital transmission over the PSTN.
Digital Subscriber Line (DSL)	Often referred to as xDSL and refers to several digital technologies (e.g. asymmetric DSL or ADSL and Symmetric DSL or SDSL) for fast two-way data connections over the PSTN.
Free access	Free access to an email and Web browsing account.
Hosted Web sites	Customer Web sites maintained by ISP on their servers.
Hourly access plan	A subscription option where customers pay for dial-up access on an hourly basis.
Household subscribers	Households and private individuals who subscribe to Internet access via an ISP. This may include some home based businesses.
Internet	This is a world-wide public computer network. Organisations and individuals can connect their computers to this network and exchange information across a country and/or across the world. The Internet provides access to a number of communication services including the World Wide Web and carries email, news, entertainment and data files.
Internet cafe	A venue that offers access to personal computers or other terminals that are connected to the Internet and paid for on a non-subscription basis.
Internet Service Provider (ISP)	Resident Australian individuals or businesses offering Internet access services to customers.
Megabyte (Mb)	A data unit of 1,048,576 bytes, sometimes interpreted as 1 million bytes.

GLOSSARY

Microwave radio	A communication link that uses point-to-point radio transmission.
Monthly/quarterly/annual access plan	A subscription option where customers pay a flat monthly/quarterly/annual fee, and receive either a set period of time on-line during the month/quarter/year, usually with additional fees for exceeding that time or set download limits, or a flat monthly/quarterly/annual fee for unlimited access time during the month/quarter/year with other limits usually applying e.g. maximum single session times.
Nonprofit organisations	Industry and trade associations, clubs, cultural organisations, community service organisations and similar organisations.
On-line support service	The ability to get support from an ISP on-line either through search facilities or on-line dialogue with ISPs help desk staff on-line.
Permanent access	Permanent subscriber access to the Internet via permanent modem, Integrated Services Digital Network, dedicated data service, frame relay, etc.
Point of Presence (POP)	A geographic location where an ISP can be accessed by a subscriber.
Satellite/communications satellite	A satellite stationed in geosynchronous orbit that acts as a microwave relay station, receiving signals sent from a ground based station, amplifying them, and retransmitting them on a different frequency to another ground-based station. Satellites can be used for high-speed transmission of computer data.
Secure transaction capabilities	Includes Web sites with on-line payment facilities (e.g. payments performed on-line in a web browser using secure protocols to protect the information) and Web sites with the ability to conduct real time on-line payments (e.g. on-line payments for which there is a real time connection to credit/debit card processing networks).
Start up disk/package	A CD-ROM or floppy disk containing software for Windows or Macintosh systems that includes configuration information for the dial-up software plus an email 'client' program (e.g. Eudora/Pegasus) plus a navigator package.
Subscriber	An ISP customer to whom Internet access is provided. Included are paying and non paying customers, email only subscribers, dial-up subscribers and those with permanent connections. Excluded are customers who purchase other services from an ISP, such as Web hosting, but do not obtain Internet access.
Subscribers who left during the reference period	Is calculated by adding the number of new subscribers during the reference period to the number of subscribers of the start of the reference period, then subtracting the number of subscribers at the end of the reference period.
Web hosting	See Hosted Web sites.
Wireless Application Protocol (WAP)	A standard for providing Internet access and other data-based services, such as email, electronic transactions, news and weather reports, over wireless networks.
24 hr telephone service	A telephone support service which operates around the clock.

REFERENCE MAPS .....

### ABS $\cdot$ INTERNET ACTIVITY $\cdot$ 8153.0 $\cdot$ MAR QTR 2001 31

#### REFERENCE MAPS



0

. . .

Kilometres

200

A1 STATISTICAL DIVISIONS—1 July, 2000



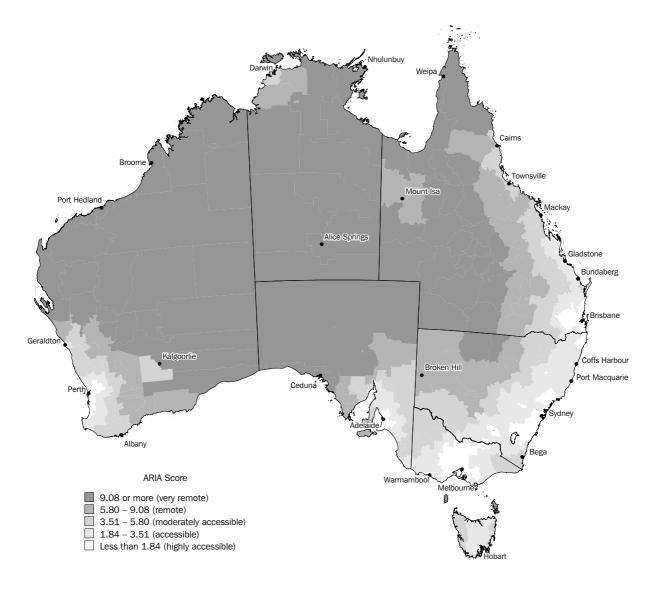
ourne

Gippsland

. . . . . . . . . . . . . . . .

. . . . . . . . . . . . . . . . . . .

District



## A2 ACCESSIBILITY/REMOTENESS INDEX OF AUSTRALIA, By Statistical Local Area

. . . . . . . . . .

## FOR MORE INFORMATION . .

INTERNET	<b>www.abs.gov.au</b> the ABS web site is the best place to start for access to summary data from our latest publications, information about the ABS, advice about upcoming releases, our catalogue, and Australia Now—a statistical profile.
LIBRARY	A range of ABS publications is available from public and tertiary libraries Australia-wide. Contact your nearest library to determine whether it has the ABS statistics you require, or visit our web site for a list of libraries.
CPI INFOLINE	For current and historical Consumer Price Index data, call 1902 981 074 (call cost 77c per minute).
DIAL-A-STATISTIC	For the latest figures for National Accounts, Balance of Payments, Labour Force, Average Weekly Earnings, Estimated Resident Population and the Consumer Price

### **INFORMATION SERVICE**

	Data that is already published and can be provided within five minutes is free of charge. Our information consultants can also help you to access the full range of ABS information—ABS user pays services can be tailored to your needs, time frame and budget. Publications may be purchased. Specialists are on hand to help you with analytical or methodological advice.
PHONE	1300 135 070
EMAIL	client.services@abs.gov.au
FAX	1300 135 211
POST	Client Services, ABS, GPO BOX 796, Sydney NSW 1041

Index call 1900 986 400 (call cost 77c per minute).

### WHY NOT SUBSCRIBE?

ABS subscription services provide regular, convenient and prompt deliveries of ABS publications and products as they are released. Email delivery of monthly and quarterly publications is available.

PHONE	1300 366 323
EMAIL	subscriptions@abs.gov.au
FAX	03 9615 7848
POST	Subscription Services, ABS, GPO BOX 2796Y, Melbourne Vic 3001

2815300003013 ISSN 1443 5063

RRP \$19.50

© Commonwealth of Australia 2001

. . . . . . . . . . . . . . . .

. . . . . . . . . . . . .