

BUREAU OF MINERAL RESOURCES GEOLOGY AND GEOPHYSICS

MUNDARING GEOPHYSICAL OBSERVATORY

AUSTRALIA

PRELIMINARY SEISMOLOGICAL BULLETIN

MARBLE BAR (TOWN)

FEBRUARY 1974

CODE MBT

LATITUDE $21^{\circ}10.2' S$

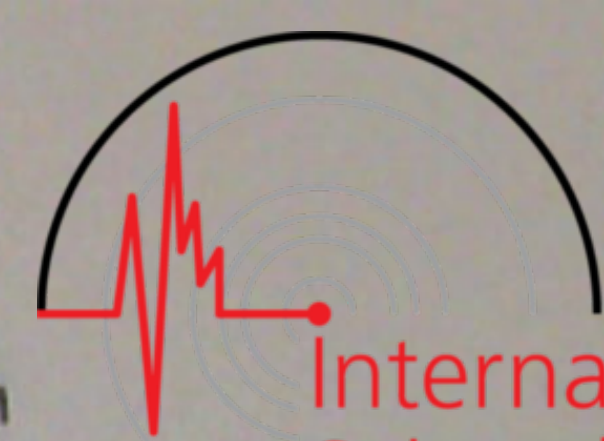
LONGITUDE $119^{\circ}44.5' E$

ELEVATION 200 m

FOUNDATION Archean Basic Igneous

COMPONENT	To (Seconds)	Tg (Seconds)	MAGNIFICATION at To Peak
SP Z	1.0	-	20K 100K at 0.2 Sec.

ADDITIONAL ENQUIRIES TO - OBSERVER-IN-CHARGE
GEOPHYSICAL OBSERVATORY
MUNDARING. W.A. 6073.



Date 1974	Phase	Dir.	G.M.T.	Per. (Sec.)	Amp.	LogA/T
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MARBLE BAR (MBT) Cont. (2)

FEBRUARY.

*09	iP		07 38 15			Explosion Mt. Newman
09	eP		11 04 20			
*09	iP	C	13 25 16.5			
09	eP		23 02 12			
10	eP		00 37 06			
*10	iP	D	02 22 20.0			
*10	iP	C	05 52 36.3			
*10	iP	C	09 01 31.1			
11	eP		01 45 33			
11	eP		04 42 07			Explosion
	eS		42 38			
*11	iP	C	13 07 14.1			
*11	iP	C	14 17 45.3			
11	eP		19 08 06			
12	eP		09 54 19			
13			Nil			
14			Nil			
*15	iP	D	08 32 55.6			
16	eP		00 30 41			
16	eP		01 59 02			
*16	iP	C	02 01 37.7			
16	eP		02 22 14			
*16	iP	C	05 48 30.8			
*16	iP	D	06 05 55.7			
*17	iP	D	04 41 42.7			
17	eP		09 49 03			Regional
17	eP		12 45 30			
18	eP		04 43 26			Explosion
	eS		43 56			
*18	iP	C	21 11 02.4			
19	eP		03 37 15			
*19	iP		05 33 28.0			
19	eP		10 32 22			
19	eP		19 02 16			
20	eP		03 57 07			Regional
	eS		57 53			
20	eP		15 23 36			Local
	eS		23 48			
*21	iP	D	10 44 02.0	0.5	60mu	2.1
*21	eP		17 24 47	0.9	470mu	2.7
	i		24 50.1			
	e		27 27			
21	eP		18 59 14			
21	eP		21 04 24			
*22	iP	D	00 45 56.9	0.8	540mu	2.8
	e		50 13			
22	eP		03 44 47			
23			Nil			
24	eP		19 12 26			
25	eP		01 45 40			
25	eP		03 28 27			
26	eP		03 29 50			
26	eP		09 29 38			
26	eP		12 17 12			
26	eP		22 49 08			

Date 1974 Phase Dir. G.M.T. Per. (Sec.) Amp. LogA/T International Seismological Centre

MARBLE BAR (MBT)

FEBRUARY.

01	eP		01 11 35			
01	eP		03 19 45			
01	eP		05 01 43			
*01	iP	C	05 24 12.2			
*01	iP	D	07 09 27.5			
01	eP		07 41 05			
01	eP		08 06 08			
01	eP		08 19 21			
01	eP		09 15 35			
01	eP		09 45 18			
01	eP		10 19 26			
01	eP		10 49 00			
01	eP		10 56 00			
01	eP		11 29 20			
01	eP		12 05 50			
01	eP		13 28 00			
01	eP		15 02 31			
*01	iP	D	15 31 10.0			
*01	iP	D	17 11 20.1			
01	eP		22 43 13			
01	eP		23 24 04			
01	eP		23 32 21			
02	eP		02 26 22			
02	eP		06 45 45			
02	eP		08 35 43			
	e		36 41			
02	eP		10 34 54			
02	eP		11 49 37			
	e		53 28			
02	eP		15 42 21			
02	eP		20 00 55			
03	eP		04 30 53			
03	eP		10 16 19			
03	eP		16 20 05			
03	eP		18 50 29			
03	eP		20 29 29			
04	eP		09 07 54			
04	eP		20 17 51			
04	eP		21 32 07			
*05	iP	C	05 05 55.9			
05	iP	D	05 14 54.1			
	eS		16 48			
05	eP		09 36 58			
*05	iP	D	22 09 34.6			
06	eP		14 18 25			
*07	iP	C	09 46 47.0	1.4	1220mu	2.9
*07	iP	D	16 28 07.5	0.9	150mu	2.1
08	eP		00 43 52			
08	eP		02 46 08			
08	eP		12 45 31			
	eS		47 09			
*08	iP	C	13 34 49.3	0.5	119mu	2.4
*08	iP	C	14 34 13.6			
08	eP		18 33 01			
09	eP		03 42 34			

Explosion
Tom Price.

Date 1974	Phase	Dir.	G.M.T.	Per. (Sec.)	Amp.	LogA/T
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MARBLE BAR (MBT) Cont. (3)

FEBRUARY.

27	eP		01 45 42
27	eP		02 00 45
27	eP		03 34 49
27	eP		03 39 30
27	iP	C	18 08 06.0
28	eP		01 35 27
28	eP		03 42 24
28	eP		04 48 57
*28	iP	D	14 08 26.0
*28	iP	D	14 14 27.1
*28	iP	D	16 16 22.7
*28	iP	D	23 42 37.0

* Sent by telegram to N.E.I.C.

BUREAU OF MINERAL RESOURCES GEOLOGY AND GEOPHYSICS



MUNDARING GEOPHYSICAL OBSERVATORY

AUSTRALIA

PRELIMINARY SEISMOLOGICAL BULLETIN

MARBLE BAR (TOWN)

MARCH 1974

CODE MBT

LATITUDE 21°10.2' S

LONGITUDE 119°44.5' E

ELEVATION 200 m

FOUNDATION Archean Basic Igneous

COMPONENT	To (Seconds)	Tg (Seconds)	MAGNIFICATION at To Peak
SP Z	1.0	-	20K 100K at 0.2 Sec.

ADDITIONAL ENQUIRIES TO - OBSERVER-IN-CHARGE
GEOPHYSICAL OBSERVATORY
MUNDARING W.A. 6073
AUSTRALIA

Date 1974 Phase Dir. G.M.T. Per. (Sec.) Amp. LogA/T



MARBLE BAR (MBT)

MARCH.

01	eP		03 49 50	
*02	oP	.	01 57 56	
	eS		59 51	
02	eP		03 31 21	
03-20			No Records.	
*21	iP	C	03 37 40.5	Explosion
*21	iP	C	16 47 46.0	
*22	iP	D	14 22 51.4	
*23	iP	C	11 48 10.4	
*23	iP	D	14 37 18.5	
*23	iP	D	15 02 45.8	
23	eP		18 00 55	
23	eP		20 34 45	
23	eP		21 56 20	
*24	iP	C	00 21 01.8	
*24	eP		04 28 45	
24	eP		14 25 58	
25	eP		08 37 17	
*25	iP	C	10 38 59.6	
	e		41 33	
25	eP		16 35 29	
25	eP		18 07 14	
25	eP		21 41 52	
26			Nil	
27	eP		03 17 18	
27	eP		04 20 00	
27	eP		08 19 10	
28	iP	D	06 00 42.3	
	eS		03 18	
28	eP		17 13 59	
28	iP	D	23 34 13.4	
29	eP		01 00 14	
29	eP		09 22 21	Explosion
	eS		23 01	
29	eP		09 46 42	Explosion
	eS		47 22	
30	eP		04 19 09	Explosion
	eS		19 30	
*30	iP	D	21 41 11.4	
*31	iP	C	06 53 24.1	
*31	eP		21 32 42	
	e		33 36	

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BUREAU OF MINERAL RESOURCES GEOLOGY AND GEOPHYSICS



MUNDARING GEOPHYSICAL OBSERVATORY

AUSTRALIA

PRELIMINARY SEISMOLOGICAL BULLETIN

MARBLE BAR (TOWN)

APRIL 1974

CODE MBT

LATITUDE 21°10.2' S

LONGITUDE 119°44.5' E

ELEVATION 200 m

FOUNDATION Archean Basic Igneous

COMPONENT	To (Seconds)	Tg (Seconds)	MAGNIFICATION at To Peak
SP Z	1.0	-	20K 100K at 0.2 Sec.

ADDITIONAL ENQUIRIES TO - OBSERVER-IN-CHARGE
GEOPHYSICAL OBSERVATORY
MUNDARING W.A. 6073
AUSTRALIA

Date 1974 Phase Dir. G.M.T. Per. (Sec.) Amp. LogA/T



MARBLE BAR (MBT)

APRIL.

01	eP		05 53 36
01	eP		09 22 12
01	eP		22 00 29
02	eP		04 02 58
02	eP		04 09 42
*02	iP	D	07 17 06.5
02	eP		11 02 01
03	eP		22 45 46
04	eP		12 46 32
*04	iP	C	22 39 11.3
04	eP		23 38 59
05	eP		22 47 01
05	eP		23 45 59
06	eP		02 20 01
06	eP		02 51 43
06	eP		07 34 32
06	eP		07 59 36
06	eP		10 03 53
*06	iP	D	12 24 36.2
06	eP		22 15 27
*07	iP	D	03 59 21.7
	e		04 02 07
07	eP		20 45 46
08			Nil
09	eP		00 05 31
	eS		07 16
09	eP		13 22 26
09	eP		17 39 28
*09	eP		20 33 15
10	eP		06 07 06
10	eP		23 02 39
	e		02 59
10	eP		23 07 52
*11	eP		19 55 32
12	eP		03 27 25
12	eP		11 11 45
*12	iP	D	12 24 19.8
12	eP		17 52 34
12	eP		20 12 44
*12	iP	C	23 24 32.6
13	eP		02 47 12
*13	eP		03 26 49
*13	eP		07 54 55
13	eP		09 40 56
*14	eP		00 11 05
14	eP		01 19 37
*14	eP		11 22 32
14	eP		18 33 16
15	eP		03 45 56
*15	iP	D	03 51 22.3
15	eP		12 05 50
*16	iP	D	07 14 31.6
*16	iP	D	11 29 32.4
16	eP		13 55 48
*17	eP		07 23 37
*17	iP	C	15 26 32.1

Explosion

0.5	50mu	2.0
0.2	6.0mu	1.5

Date 1974 Phase Dir. G.M.T. Per. (Sec.) Amp. LogA/T



MARBLE BAR (MBT) Cont. (2)

APRIL.

*18	iP	D	02 50 17.2
18	eP		14 24 04
*19	iP	D	06 55 12.2
*19	iP	D	07 13 39.3
20	eP		01 57 44
20	eP		02 09 40
*20	iP	D	03 18 46.9
20	eP		04 18 42
20	eP		08 35 54
20	eP		09 46 59
*21	iP	D	01 02 08.0
21	eP		03 15 31
21	eP		04 02 31
21	eP		11 42 54
22	eP		02 08 41
22	eP		02 13 58
23	eP		04 26 55
	eS		27 25
23	eP		06 02 17
23	eP		13 36 36
	eS		37 06
23	eP		15 12 57
24	eP		00 59 46
24	eP		01 18 30
*24	eP		09 10 55
25	eP		10 47 59
26	eP		12 23 05
	eS		25 28
26	eP		19 03 44
	eS		07 01
27	eP		06 21 02
*27	eP		07 34 48
27	eP		16 55 55
	eS		58 00
*28	iP	D	17 08 43.6
28	eP		18 08 38
29	eP		01 30 30
	eS		30 55
*29	eP		03 34 27
29	eP		22 14 56
29	eP		23 21 53
30	eP		03 44 43
30	eP		15 12 24
*30	iP	C	20 04 03.7

Explosion

* Sent by telegram to N.E.I.C.

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MUNDARING GEOPHYSICAL OBSERVATORY

AUSTRALIA

PRELIMINARY SEISMOLOGICAL BULLETIN

MARBLE BAR (TOWN)

MAY 1974

CODE MBT

LATITUDE 21°10.2' S

LONGITUDE 119°44.5' E

ELEVATION 200 m

FOUNDATION Archean Basic Igneous

COMPONENT	To (Seconds)	Tg (Seconds)	MAGNIFICATION at To Peak
SP Z	1.0	-	20K 100K at 0.2 Sec.

ADDITIONAL ENQUIRIES TO - OBSERVER-IN-CHARGE
GEOPHYSICAL OBSERVATORY
MUNDARING W.A. 6073
AUSTRALIA

Date 1974	Phase	Dir.	G.M.T.	Per. (Sec.)	Amp.	LogA/T
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MARBLE BAR (MBT)

MAY.

01	eP		08 47 18			Explosion
*01	eP		11 40 51			
*01	iP	C	15 30 11.6			
02	eP		13 13 00			
02	eP		21 42 44			
03	eP		04 14 14			Explosion
*03	iP	C	12 26 41.1			
03	eP		20 28 10			
	e		30 14			
*04	iP	D	01 25 18.1			
04	eP		07 19 54			
*04	iP	D	09 18 38.0			
04	eP		11 02 32			
*04	iP	D	12 55 36.1			
05	eP		06 05 35			
05	eP		08 26 08			
05	eP		13 08 45			
*05	iP	C	14 29 29.8			
05	eP		15 59 27			
*05	iP	C	19 21 50.0			
06	eP		10 30 37			
*06	eP		10 39 11			
06	eP		11 48 50			
07			Nil			
08	eP		09 54 53			
08	eP		11 06 03			
08	eP		22 27 59			
*08	eP		23 43 23			
09	eP		05 55 56			
09	eP		13 32 40			
09	eP		16 16 08			
10	eP		00 01 11			
10	eP		00 07 57			
*10	iP	D	19 34 20.8			
*10	eP		20 01 22			
*10	eP		21 56 22			
*11	eP		00 48 54			
*11	eP		01 02 05			
*11	eP		02 29 01			
11	eP		03 19 21			
11	eP		06 22 56			
11	eP		09 18 51			
11	eP		13 14 02			
11	eP		20 58 27			
12	eP		03 53 54			
12	eP		09 02 43			
12	eP		12 02 16			
	e		06 10			
12	eP		18 59 35			
12	eP		20 04 35			
12	eP		20 22 45			
12	eP		23 15 56			
13	eP		02 17 03			
*13	eP		12 00 05			
*13	iP	D	12 44 52.4			
13	eP		17 51 10			

Date 1974	Phase	Dir.	G.M.T.	Per. (Sec.)	Amp.	LogA/T
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MARBLE BAR (MBT)

Cont (2)

MAY.

13	eP		18 59 26			
*13	eP		19 35 34			
*13	eP		20 07 50			
13	eP		20 12 49			
14	eP		08 05 48			
14	eP		08 35 41			
14	eP		11 51 26			
14	eP		13 12 37			
14	eP		15 05 58			
14	eP		23 47 13			
*15	iP	D	09 12 23.6			
15	eP		09 42 18			
15	eP		10 18 50			
15	eP		11 37 43			
*15	eP		12 28 16			
15	eP		15 15 41			
15	eP		16 17 21			
*15	iP	C	19 11 49.0			
*15	iP	D	21 20 27.1			
15	eP		23 01 07			
*16	eP		08 04 28			
16	eP		17 22 42			
16	eP		18 21 23			
16	eP		20 08 26			
16	eP		23 27 36			
17	eP		03 59 14			
17	eP		09 33 01			
17	eP		13 56 25			
*17	eP		15 41 31			
*17	eP		16 03 12			
*17	eP		17 20 18			
17	eP		20 45 08			
*17	eP		20 59 25			
	e		21 02 44			
*17	eP		21 20 48			
*17	eP		23 15 25			
*18	eP		03 25 00			
18	eP		04 07 12			
18	eP		09 24 21			
18	eP		11 17 41			
18	eP		12 07 27			
19	eP		07 24 37			
*19	eP		09 17 05			
*19	eP		09 31 16			
*19	eP		11 30 46			
*19	eP		12 39 21			
*19	eP		13 13 40			
19	eP		21 47 23			
*20	eP		12 14 47			
20	eP		16 31 17			
20	eP		19 57 49			
21	eP		04 56 33			
*21	eP		08 00 30			
*21	eP		08 50 10			
22	eP		11 39 47			

Date 1974	Phase	Dir.	G.M.T.	Per. (Sec.)	Amp.	LogA/T
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MARBLE BAR (MBT) Cont. (3)

MAY.

22	eP		14 56 44			
*23	iP	D	17 33 14.7			
*24	eP		08 01 34			
*25	eP		21 01 46			
*26	iP	C	01 40 31.0			
*26	iP	D	05 56 32.9			
*26	eP		07 24 03			
*26	eP		08 44 51			
*26	eP		20 50 31			
*27	eP		04 53 24			
*27	eP		05 20 37			
*27	eP		10 43 10			
27	eP		21 40 44			
27	eP		23 16 47			
*28	eP		02 41 03			
*28	eP		03 04 31			
*28	eP		05 20 26			
*28	eP		06 55 38			
29	eP		05 25 45			
29	eP		05 48 52			
29	eP		08 36 33			
*30	eP		16 16 43			
*30	eP		16 28 03			
31	eP		03 11 32			
*31	iP	C	03 39 07.1	0.6	122mu	2.3

* Sent by telegram to N.E.I.C.

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MUNDARING GEOPHYSICAL OBSERVATORY

AUSTRALIA

PRELIMINARY SEISMOLOGICAL BULLETIN

MARBLE BAR (TOWN)

1974

JUNE

CODE MBT

LATITUDE	21°10.2' S	LONGITUDE	119°44.5' E
ELEVATION	200 m	FOUNDATION	Archean Basic Igneous
COMPONENT	To (Seconds)	Tg (Seconds)	MAGNIFICATION at To Peak
SP Z	1.0	-	20K 100K at 0.2 Sec.

ADDITIONAL ENQUIRIES TO - OBSERVER-IN-CHARGE
GEOPHYSICAL OBSERVATORY
MUNDARING W.A. 6073
AUSTRALIA

SEP 18 1974

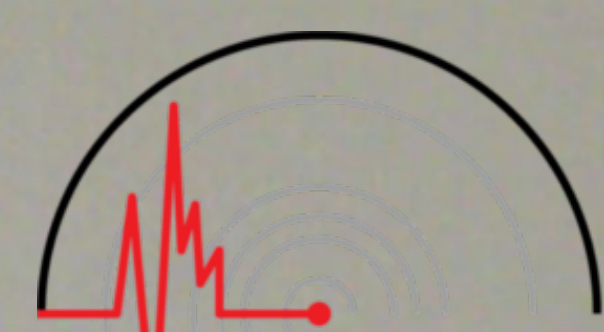
Date 1974	Phase	Dir.	G.M.T.	Per. (Sec.)	Amp.	LogA/T
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MARBLE BAR (MBT)

JUNE.

01				Nil		
*02	eP			02 21 14		
02	eP			12 27 50		
02	eP			13 08 50		
02	eP			13 31 09		
*02	eP			16 05 08		
*02	iP	C		22 36 56.1		
*03	iP	D		11 57 00.4		
03	eP			19 55 43		
	eS			58 01		
*04	iP	D		04 24 06.0		
*04	eP			04 53 52		
04	eP			23 46 38		
05	eP			01 53 27		
*05	iP	C		05 28 23.0		
*05	iP	D		08 27 43.8		
*06	iP	D		17 20 08.3		
*06	eP			18 22 12		
06	eP			22 09 26		
07				Nil		
*08	eP			12 45 03		
*08	iP	C		17 22 32.6		
08	eP			22 03 47		
09	eP			07 52 52		
09	eP			11 00 59		
*09	eP			14 35 41		
*09	eP			17 44 09		
10	eP			04 39 40		
*10	iP	D		19 11 05.1		
11	eP			06 35 20		
11	eP			11 36 29		
*11	iP	D		11 41 39.4		
*11	eP			12 24 51		
12	eP			17 24 26		
*12	iP	C		21 35 03.6		
13	eP			03 43 14		
13	eP			13 49 02		
*13	iP	C		20 54 09.5		
14	eP			04 35 46		
	eS			36 17		
*14	iP	D		12 56 42.3		
*14	iP	C		15 40 17.0		
*14	iP	D		18 48 02.5		
*15	iP	D		02 49 52.6		
*15	eP			07 12 03		
15	eP			08 42 10		
	eS			42 50		
15	eP			13 34 04		
16	eP			06 18 34		
16	eP			09 57 52		
17	eP			01 57 14		
18	eP			08 40 22		
18	eP			21 19 20		
	eS			21 34		
19	eP			01 23 31		
	eS			24 12		

Explosion



Date 1974	Phase	Dir.	G.M.T.	Per. (Sec.)	Amp.	LogA/T	International Seismological Centre
<u>MARBLE BAR (MBT)</u>			Cont. (2)				
JUNE.							
19	eP		04 22 02				
	eS		22 37				
19	eP		09 54 28				
	eS		57 00				
19	eP		10 17 58				
*20	iP	D	06 44 29.6				
20	eP		12 36 53				
	eS		39 28				
21	eP		17 30 31				
22	eP		01 00 19				
22	eP		19 29 48				
	e		30 11				
23	eP		06 21 57				
23	iP	C	06 27 59.8				
	e		30 16				
23	eP		14 35 03	0.9	300mu	2.5	
24	eP		08 28 04				
*24	iP	D	19 10 41.3				
24	eP		21 40 59				
24	eP		23 53 21				
*25	iP	C	04 21 30.7				
25	eP		05 17 43				
25	eP		09 04 25				
25	eP		17 06 10				
*25	eP		17 28 52				
25	eP		23 16 40				
*26	iP	C	08 33 17.1				
26	eP		14 26 41				
*26	iP	C	23 42 07.3				
27	eP		01 24 50				Explosion
27	eP		01 58 58				
*27	iP	C	03 40 46.7				
*27	eP		04 23 25				
*27	iP	D	07 53 05.3	0.6	85mu	2.0	
*27	iP	D	10 10 52.0				
	eS		13 02				
28	eP		08 53 18				
28	eP		16 18 47				
29	eP		21 40 27				
30	eP		05 01 21				
30	eP		05 18 10				
*30	iP	D	08 42 03.8	1.0	1070mu	3.0	

* Sent by telegram to N.E.I.C.

BUREAU OF MINERAL RESOURCES GEOLOGY AND GEOPHYSICS
MUNDARING GEOPHYSICAL OBSERVATORY

AUSTRALIA

PRELIMINARY SEISMOLOGICAL BULLETIN

MARBLE BAR (TOWN)

1974

JULY

CODE MBT

LATITUDE	21°10.2' S	LONGITUDE	119°44.5' E
ELEVATION	200 m	FOUNDATION	Archean Basic Igneous
COMPONENT	To (Seconds)	Tg (Seconds)	MAGNIFICATION at To Peak
SP Z	1.0	-	20K 100K at 0.2 Sec.

ADDITIONAL ENQUIRIES TO - OBSERVER-IN-CHARGE
GEOPHYSICAL OBSERVATORY
MUNDARING W.A. 6073
AUSTRALIA

NOV 1 1974



Date 1974	Phase	Dir.	G.M.T.	Per. (Sec.)	Amp.	Log A/T
<u>MARBLE BAR (MBT)</u>						
JULY.						
01	eP		06 35 37			
02	eP		07 22 49			
02	eP		17 31 09			
02	eP		23 36 17			
*03	eP		21 39 29			
*03	eP		23 35 00			
*04	iP	D	12 10 07.2	0.9	170mu	2.3
04	eP		19 39 51			
05	eP		18 14 05			
06	eP		03 28 46			
07			No Record			
*08	iP	D	05 56 46.8			
*09	eP		10 49 19			
	eS		51 10			Meckering
09	eP		16 29 23			
10	eP		16 44 59			
11	eP		01 27 30			
11	eP		05 42 13			
12	eP		01 20 18			
12	eP		18 31 48			
13	eP		01 38 22			
13	eP		03 23 07			
*13	iP	C	16 54 42.3	0.7	121mu	2.2
*14	iP	D	09 40 29.4			
14	eP		17 54 12			
15	eP		03 43 46			
16	eP		01 27 35			
16	eP		04 16 45			Explosion
17			Nil			
18	eP		01 30 31			
18	eP		11 15 10			
*19	iP	D	17 52 41.5			
20	eP		01 28 58			
20	eP		04 55 31			
20	eP		19 21 07			
*20	eP		19 35 02			
21			No record			
22	eP		04 47 44			Explosion
23	eP		00 38 26			
*23	iP	D	06 28 15.5			
*23	iP	D	11 06 59.3			
24	eP		04 40 55			Explosion
*24	iP	C	08 38 14.2			
*24	iP	C	20 30 46.5			
25	eP		17 24 34			
*26	eP		13 05 32			
26	eP		13 14 13			
27-28			No Record			
29	eP		04 39 39			Explosion
29	eP		07 27 58			
*29	iP	D	09 13 08.0			
*29	iP	D	22 23 11.1			
29	iP	D	23 14 06.3			
*30	iP	D	01 53 50.6			

Date 1974	Phase	Dir.	G.M.T.	Per. (Sec.)	Amp.	Log A/T
<u>MARBLE BAR (MBT)</u> Cont. (2)						
JULY.						
* 30	iP	C	05 23 52.3	1.1	1555mu	3.1
30	eP		11 52 49			
* 30	iP	D	21 52 15.0			
* 30	eP		22 24 38			
	eS		26 49			
* 31	iP	C	00 33 53.4			
* 31	iP	C	02 04 43.7			
31	eP		02 10 37			
	eS		12 51			

* Sent by telegram to N.E.I.C.

BUREAU OF MINERAL RESOURCES GEOLOGY AND GEOPHYSICS



MUNDARING GEOPHYSICAL OBSERVATORY

AUSTRALIA

PRELIMINARY SEISMOLOGICAL BULLETIN

MARBLE BAR (TOWN)

AUGUST 1974

CODE MBT

LATITUDE 21°10.2' S

LONGITUDE 119°44.5' E

ELEVATION 200 m

FOUNDATION Archean Basic Igneous

COMPONENT	To (Seconds)	T _g (Seconds)	MAGNIFICATION at To Peak
SP Z	1.0	-	20K 100K at 0.2 Sec.

ADDITIONAL ENQUIRIES TO - OBSERVER-IN-CHARGE
GEOPHYSICAL OBSERVATORY
MUNDARING W.A. 6073
AUSTRALIA

Date 1974	Phase	Dir.6	G.M.T.	Per. (Sec.)	Amp.	LogA/T
<u>MARBLE BAR (MBT)</u>						
AUGUST.						
01	iP	C	04 45 15.4			Explosion
	iS		45 45.4			
01	eP		05 07 36			
01	eP		09 49 07			
*01	iP	C	15 05 22.8			
	eS		07 43			
01	eP		22 51 14			
*02	iP	D	02 32 25.0			
*02	iP	C	10 20 37.3			
*02	iP	D	18 08 47.6			
03	eP		01 30 42			Explosion
	eS		31 14			
03	eP		13 51 07			
03	eP		18 26 35			
*04	iP	D	13 12 57.7			
04	eP		23 49 42			Local
05			NIL			
06	eP		01 30 37			Explosion
06	eP		04 16 07			Explosion
06	eP		16 45 13			
*06	iP	D	18 48 17.7			
07	eP		00 02 08			
07	eP		18 55 03			
*08	iP	C	02 48 17.6			
08	eP		04 36 51			Explosion
08	eP		10 31 07			
08	eP		19 24 15			
	e		25 03			
09	eP		03 35 22			Explosion
09	eP		05 12 56			
09	eP		06 41 26			
*09	iP	D	23 45 09.0			
	eS		47 07			
10	iP	D	03 22 30.1			Explosion
10	eP		07 34 26			
10	eP		09 31 53			Explosion
*10	iP	D	09 56 29.6			
*10	iP	C	11 31 14.6	0.6	294mu	2.7
*11	iP	C	00 47 12.2			
*11	iP	D	01 25 34.0			
11	eP		04 24 07			
*11	iP	C	20 17 04.7	0.9	217mu	2.4
*11	iP	D	21 33 12.9			
*11	iP	D	22 00 08.5			
11	eP		22 23 24			
12	eP		03 02 27			
*12	iP	C	05 30 25.5			
	eS		33 32			
12	eP		13 01 08			
12	eP		21 29 22			
13			No Record			
14	eP		04 23 11			Explosion
	eS		23 45			
*14	iP	C	05 47 50.8			
14	eP		18 15 33			
14	eP		21 25 07			

Date 1974	Phase	Dir.	G.M.T.	Per. (Sec.)	Amp.	LogA/T
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MARBLE BAR (MBT) Cont. (2)

AUGUST.

*15	iP	D	02 06	23.6		
15	iP	C	03 36	02.8		Explosion
*15	iP	D	03 43	27.0		
*15	iP	C	08 56	53.7		
16	eP		03 38	35		Explosion
16	eP		04 21	33		
	eS			22 10		Explosion
16	eP		04 39	35		Lake McKay
	eS			40 35		
16	eP		09 29	34		
	eS			31 31		
*16	iP	D	09 54	30.0		
*16	iP	D	19 49	30.6		
*17	iP	D	05 25	13.0		
17	eP		09 00	06		
*17	iP	D	16 23	21.9		
*17	iP	D	22 24	00.4		
18	eP		11 02	58		
18	eP		18 02	22		
19	eP		12 27	21		
*19	iP	C	20 14	33.0		
20	eP		04 21	29		Explosion
	eS			22 05		
20	eP		09 15	59		Local
	eS			16 09		
*20	iP	C	20 57	42.5		
*21	iP	C	21 17	22.9		
*22	iP	C	02 20	16.6		
22	eP		03 20	17		Local
	eS			20 27		
*22	iP	D	11 58	09.8		
23	iP	D	03 53	53.8		
	eS			54 07		
*23	iP	D	04 54	07.7		
23	eP		09 16	13		
	eS			16 24		
23	eP		16 51	36		
23	eP		22 31	44		
*24	iP	C	01 58	02.4		
24	eP		07 28	06		Explosion
	eS			28 37		
*24	iP	D	07 44	25.1		
24	iP	D	09 10	16.9		
	eS			10 29		
24	eP		23 13	41		Explosion
	eS			14 15		
*24	iP	D	22 06	20.0		
*25	iP	D	01 28	25.2		
25	eP		10 04	52		
*26	iP	D	02 05	41.4		
	eS			07 20		
27				NIL		
28	eP		04 06	45		Explosion
	eS			06 56		
28	eP		04 07	25		Explosion
	eS			07 36		
*29	eP		02 59	54		

Date	Phase	Dir.	G.M.T.	Per. (Sec.)	Amp.	LogA/T
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MARBLE (MBT) Cont. (3)

AUGUST.

29	eP		04 42 54			
*29	iP	D	10 13 57.2			
*30	iP	C	21 46 51.6			
*30	iP	D	23 38 59.3			
31	eP		01 22 34			

* Sent by telegram to N.E.I.C.

BUREAU OF MINERAL RESOURCES GEOLOGY AND GEOPHYSICS
MUNDARING GEOPHYSICAL OBSERVATORY
AUSTRALIA



PRELIMINARY SEISMOLOGICAL BULLETIN

MARBLE BAR (TOWN)

1974

SEPTEMBER

CODE MBT

LATITUDE 21°10.2' S

LONGITUDE 119°44.5' E

ELEVATION 200 m

FOUNDATION Archean Basic Igneous

COMPONENT

To
(Seconds)

Tg
(Seconds)

MAGNIFICATION
at To Peak

SP Z

1.0

-

20K 100K at 0.2 Sec.

ADDITIONAL ENQUIRIES TO - OBSERVER-IN-CHARGE
GEOPHYSICAL OBSERVATORY
MUNDARING. W.A. 6073
AUSTRALIA



Date 1974	Phase	Dir.	G.M.T.	Per. (Sec.)	Amp.	LogA/T
<u>MARBLE BAR (MBT)</u>						
SEPTEMBER.						
01	eP		05 15 12			
*02	iP	C	04 38 43.7			
02	eP		08 01 41			
*02	iP	C	08 28 06.6			Local
	iS		28 23.5			
03	eP		01 49 32			
03	eP		19 18 37			
03	eP		19 25 29			
*04	eP		06 08 36			
	eS		11 30			
*04	eP		20 25 25			
*04	iP	C	23 20 02.2			Manmanning
	eS		22 51			
*05	iP	C	13 59 33.0			
	eS		02 21			
*05	iP	D	21 23 49.9			
*06	iP	D	20 46 20.9			
*06	iP	C	23 33 42.9			
07	eP		19 59 48			
*07	iP	C	20 46 46.4			
	eS		49 27			
08	iP		05 21 39.3			
*08	iP	D	05 24 02.6			
09			NIL			
10	eP		09 13 21			Explosion
	eS		13 32			
10	eP		16 04 14			
*10	iP	C	21 15 47.1			
11	eP		03 57 08			
*11	iP	D	09 36 20.5			
*11	iP	C	19 19 20.0			
12	eP		03 32 02			Explosion
	eS		32 12			
12	eP		04 42 56			
	eS		43 26			
12	eP		16 26 02			
*12	iP	D	19 56 42.0			
*12	iP	D	20 34 21.0			
*13	iP	C	08 05 29.2	1.0	160mu	2.2
13	eP		18 22 57			
*13	iP	C	20 46 46.2			
14	eP		07 27 26			
14	eP		23 32 33			Blast
15	eP		11 34 26			Blast
*15	iP	D	20 42 23.5			
16	eP		00 56 44			
16	eP		04 24 39			
16	eP		16 57 29			
*16	iP	C	22 07 42.9			
17	eP		02 53 59			
*17	iP	C	15 28 34.9			
18	iP	D	00 22 41.9			
18	eP		01 27 37			Blast



Date 1974	Phase	Dir.	G.M.T.	Per. (Sec.)	Amp.	LogA/T	
MARBLE BAR (MBT) Cont (2)							
SEPTEMBER.							
*18	iP	C	04 54 21.3				
18	eP		05 36 15				
18	eP		08 13 29				
*18	iP	D	18 31 24.1				
19	eP		04 18 26				
	eS		19 03				
19	iP	C	14 09 09.4				
	eS		10 23				
19	eP		18 00 43				
*20	iP	C	01 03 56.2				
20	eP		18 03 03				
20	eP		19 34 22				
*20	iP	C	19 57 03.0				
*20	iP	D	19 58 37.6				
*20	iP	C	21 26 07.4				
21	eP		12 50 20				
21	eP		15 51 11				
*21	iP	D	16 06 07.8				
21	eP		18 02 31				
*21	iP	C	19 35 26.9				
*21	iP	D	22 41 22.0				
22			No Record				
23			Nil				
24	eP		00 16 54				
*25	iP	D	22 09 32.1				
25	eP		22 23 01				
*26	eP		16 40 10				
	eS		41 41				
*27	iP	C	03 19 58.7	0.7	485mu	2.8	
27	eP		05 58 30				
27	eP		19 19 31				
	eS		21 36				
*28	iP	D	08 20 06.7				
29			No Record				
*30	iP	D	03 34 22.7	0.2	20mu	1.9	Carnarvon
	iS		35 51.5				
*30	iP	D	13 29 26.8				
30	eP		16 09 45				

* Sent by telegram to N.E.I.C.

BUREAU OF MINERAL RESOURCES GEOLOGY AND GEOPHYSICS

MUNDARING GEOPHYSICAL OBSERVATORY

AUSTRALIA

PRELIMINARY SEISMOLOGICAL BULLETIN

MARBLE BAR (TOWN)

1974

OCTOBER

CODE MBT

LATITUDE 21°10.2' S

LONGITUDE 119°44.5' E

ELEVATION 200 m

FOUNDATION Archean Basic Igneous

COMPONENT

To
(Seconds)

Tg
(Seconds)

MAGNIFICATION
at To Peak

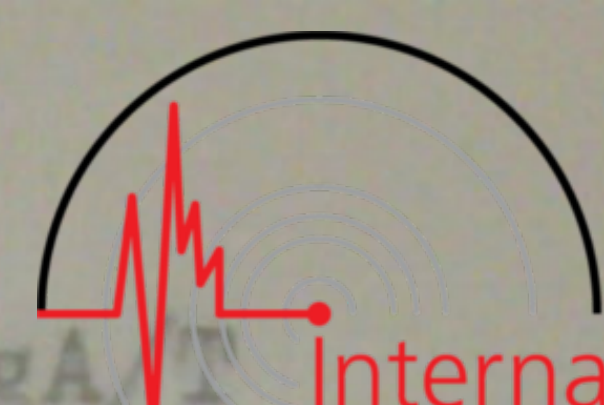
SP Z

1.0

-

20K 100K at 0.2 Sec.

ADDITIONAL ENQUIRIES TO - OBSERVER-IN-CHARGE
GEOPHYSICAL OBSERVATORY
MUNDARING. W.A. 6073
AUSTRALIA



Date 1974	Phase	Dir.	G.M.T.	Per. (Sec.)	Amp.	LogA _T	
<u>MARBLE BAR (MBT)</u>							
OCTOBER.							
*01	eP		23 01 17				
	eS		04 27				
02			NIL				
03-07			No Record				
08			NIL				
09-16			No Record				
*17	iP	C	14 02 01.0				
*18	eP		09 09 55				
*19	iP	C	06 50 00.4				
20			NIL				
*21	iP	D	04 21 26.2				
21	eP		08 51 12				
*22	eP		00 24 31				
*23	eP		06 21 46	1.1	740mu	2.8	Solomon Sea
*24	eP		08 29 16				
25-28			NIL				
*29	iP	D	03 18 07.9				
*30	iP	C	00 00 47.1				
*30	iP	D	21 49 49.1				
31			NIL				

* Sent by telegram to N.E.I.C.

BUREAU OF MINERAL RESOURCES GEOLOGY AND GEOPHYSICS

MUNDARING GEOPHYSICAL OBSERVATORY

AUSTRALIA

PRELIMINARY SEISMOLOGICAL BULLETIN

MARBLE BAR (TOWN)

1974

NOVEMBER

CODE MBT

LATITUDE 21°10.2' S

LONGITUDE 119°44.5' E

ELEVATION 200 m

FOUNDATION Archean Basic Igneous

COMPONENT

To
(Seconds)

Tg
(Seconds)

MAGNIFICATION
at To Peak

SP Z

1.0

-

20K 100K at 0.2 Sec.

ADDITIONAL ENQUIRIES TO - OBSERVER-IN-CHARGE
GEOPHYSICAL OBSERVATORY
MUNDARING. W.A. 6073
AUSTRALIA

Date 1974	Phase	Dir.	G.M.T.	Per. (Sec.)	Amp.	LogA/T
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MARBLE BAR (MBT)

NOVEMBER.

01			NIL			
*02	iP	C	21 46 12.1			
	eS		48 21			
*02	iP	C	22 44 22.2			
03-04			NIL			
05	iP	C	10 47 27.7			
*05	iP	D	13 43 46.3			
06			NIL			
*07	iP	C	01 54 21.8	0.1	102mu	3.0 200 km N
	iS		54 56.8			Pt. Hedland
*07	iP	C	02 54 20.7			
*08	iP	C	21 33 58.6			
*09	iP	C	19 15 27.0			
*10	iP	D	04 35 36.5			
11-12			No Record			
13			NIL			
*14	iP		21 15 44.4	0.3	4mu	1.1 Lake McKay.
	eS		16 53			
*15	iP	D	23 41 47.7			
*16	iP	D	10 42 26.7			
*17	eP		09 33 23			
*17	iP	C	09 33 36.8			
*17	eP		12 05 40			
*17	iP	C	14 55 16.8	0.3	5mu	1.2 Lake McKay
	eS		56 26.5			
18-19			NIL			
*20	eP		04 23 03			
21-22			NIL			
*23	iP	D	00 45 39.5			
*23	eP		02 02 32			
	eS		05 30			
24-26			NIL			
*27	iP	D	21 27 51.3			
*28	iP	D	05 41 51.9			
*29	iP	D	09 57 29.3			
29	iP	C	20 36 41.3			Local
	iS		37 09.5			
*29	iP	C	22 14 09.9			
30			NIL			

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BUREAU OF MINERAL RESOURCES GEOLOGY AND GEOPHYSICS

MUNDARING GEOPHYSICAL OBSERVATORY

AUSTRALIA

PRELIMINARY SEISMOLOGICAL BULLETIN

MARBLE BAR (TOWN)

DECEMBER 1974

CODE MBT

LATITUDE 21° 10.2' S

LONGITUDE 119° 44.5' E

ELEVATION 200 m

FOUNDATION Archean Basic Igneous

COMPONENT

To
(Seconds)

Tg
(Seconds)

MAGNIFICATION
at To Peak

SP Z

1.0

-

20K 100K at 0.2 Sec.

ADDITIONAL ENQUIRIES TO - OBSERVER-IN-CHARGE
GEOPHYSICAL OBSERVATORY
MUNDARING, W.A. 6073
AUSTRALIA

Date 1974 Phase Dir. G.M.T. Per. (Sec.) Amp. LogA/T



MARBLE BAR (MBT)

DECEMBER.

01			No Record	
*02	iP	C	00 50 08.8	
*02	iP	C	01 59 45.9	
*02	iP	C	06 41 39.1	
*02	iP	D	06 50 26.8	
*02	iP	D	12 31 13.9	
*03	iP	C	03 10 55.2	
*04	eP		03 14 01	
*05	iP	C	04 58 25.0	
	eS		00 06	
*05	iP	D	12 16 56.9	
06	eP		12 47 05	
	eS		48 54	
*07	iP	D	14 33 53.7	
*07	eP		21 02 55	
08	iP	C	11 14 37.4	
09	eP		00 34 51	Local
09	eP		09 56 46	Explosion
09	eP		14 46 37	
09	eP		20 31 46	
*10	iP	D	01 52 20.7	
*10	iP	C	03 10 17.7	
10	eP		03 46 05	
10	eP		06 25 09	
11-16			No Record	
*17	iP	D	15 42 33.6	
*17	iP	D	15 51 57.3	
*18	eP		03 39 17	
	eS		39 55	
*18	iP	D	12 19 05.7	Local
*18	iP	D	19 27 56.4	
	e		31 52	
19	eP		00 26 47	
19	eP		03 17 28	Explosion
19	eP		04 06 30	Explosion
*19	iP	C	11 07 41.7	Explosion
19	iP		13 57 28.5	
*20	iP	C	02 50 00.7	Local
*20	eP		05 07 41	
20	eP		08 14 55	
	eS		15 09	Local
*20	iP		15 16 12.9	Local
	eS		- 16 28	
*20	eP		16 49 56	
*20	eP		22 36 21	
	e		39 15	
21	eP		03 38 08	
	e		38 38	Explosion
21	eP		07 42 16	
*21	eP		08 39 11	
22	eP		02 28 28	
22	eP		05 48 17	
22	eP		16 53 03	
*22	eP		23 39 05	
*23	iP	C	00 40 09.5	
23	eP		01 14 15	

Date 1974 Phase Dir. G.M.T. Per. (Sec.) Amp. LogA/T

MARBLE BAR (MBT) Cont. (2)

DECEMBER.

Date	Phase	Dir.	G.M.T.	Per. (Sec.)	Amp.	LogA/T
23	eP		09 13 04			
	e		15 23			
23	iP	C	11 26 15.5			
23	eP		12 54 23			
	e		57 26			
24	eP		00 24 16			
	e		25 28			
*24	iP	D	01 52 40.2			
*24	eP		02 29 56			
	e		30 36			
24	eP		07 01 32			
*24	eP		07 10 23			
24	eP		19 31 25			
*25	iP	C	02 25 19.1			
*25	iP	D	03 01 54.4			
25	eP		04 38 02			
*25	eP		12 42 02			
25	eP		15 14 23			
*26	eP		00 34 12			
	e		37 05			
26	eP		08 45 05			
26	eP		22 33 42			
27	eP		01 02 33			
27	eP		03 19 06			
	e		21 20			
*27	iP	D	05 59 06.4			
27	eP		11 38 35			
27	eP		12 05 59			
28	eP		08 03 29.5			
	e		04 00			
28	eP		08 20 13			
*28	eP		12 23 03			
*29	eP		04 14 20			
*29	eP		06 34 32			
	eS		36 05			
30	eP		04 59 10			
31	eP		02 33 05			
31	eP		03 14 44			
	e		15 20			
31	eP		03 46 10			
*31	eP		20 40 50			

Local

Explosion

Explosion

* Sent by telex to N.E.I.C.