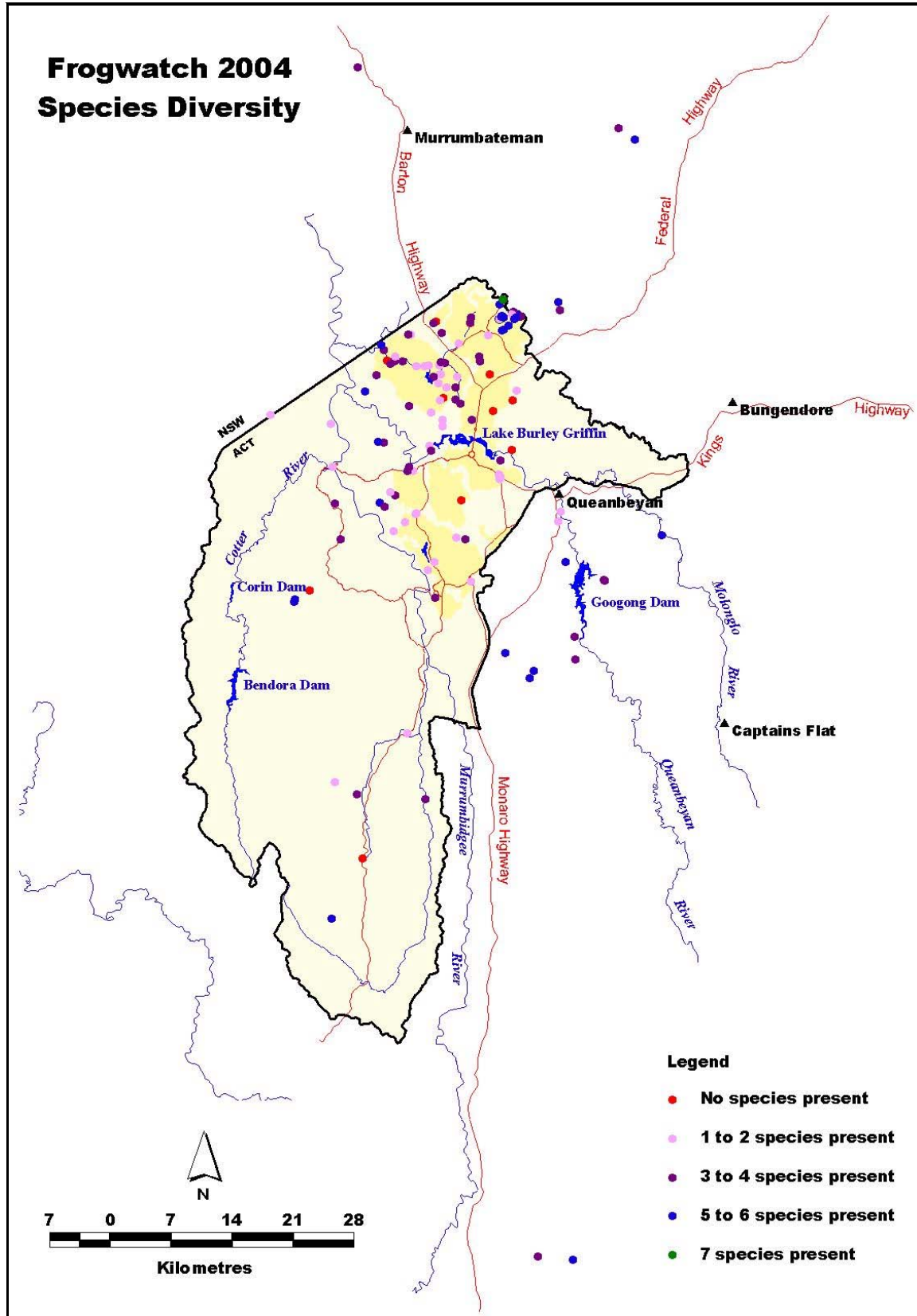


5.2 SPECIES DIVERSITY AT EACH SITE

Figure 2. Number of frog species detected at each site, October 2004



6. SUMMARY OF RESULTS

The 2004 ACT and Region National Water Week Frogwatch Census involved over 230 volunteers monitoring at close to 140 sites across the ACT and Upper Murrumbidgee Region.

Frog Species Detected

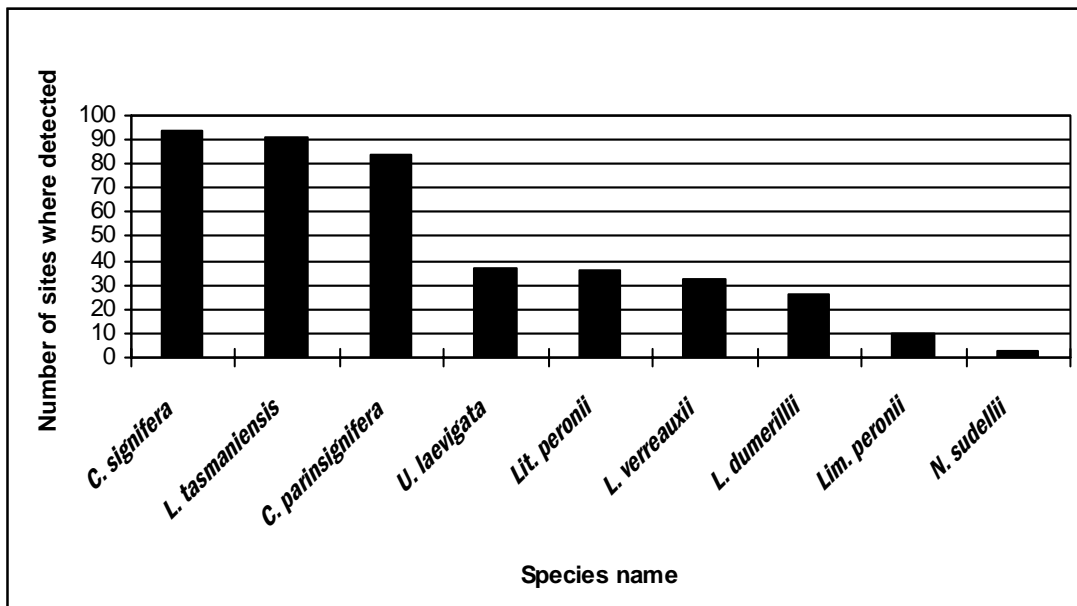
A total of 9 species were observed during the 2004 Frogwatch Census. They are listed here in order of greatest distribution:

Scientific Name	Common Name	Number of Sites Where Detected
<i>Crinia signifera</i>	Common Eastern Froglet	94
<i>Limnodynastes tasmaniensis</i>	Spotted Grass Frog	91
<i>Crinia parinsignifera</i>	Plains Froglet	84
<i>Uperoleia laevigata</i>	Smooth Toadlet	37
<i>Litoria peronii</i>	Peron's Tree Frog	36
<i>Litoria verreauxii</i>	Whistling Tree Frog	32
<i>Limnodynastes dumerillii</i>	Eastern Banjo Frog	26
<i>Limnodynastes peronii</i>	Brown-striped Frog	10
<i>Neobatrachus sudelli</i>	Spotted Burrowing Frog	3

Neobatrachus sudelli has not been detected during previous years' Censuses.

As shown in Figure 3, *Crinia signifera*, *Limnodynastes tasmaniensis* and *Crinia parinsignifera* were the most common, each being recorded at over 50% of all sites surveyed. These species were also the most common in October 2003.

Figure 3. Occurrence of each frog species detected. Frogwatch Census October 2004.



Distribution and Abundance of Frog Species

The greatest number of species observed at any one site was 7. This number of species was found at 3 sites around the ACT and Region:

- Bogong Creek, Namadgi National Park (FTB010)
- Mulligans Flat Site 2 (MFL002)
- Mulligans Flat Site 3 (MFL003)

Sites with 6 species present include:

- Giralang Pond, Giralang (FGG030)
- Plummers Dam, Burra (GOG003)
- Lookout Dam, Holt (LDM100)
- Mulligans Flat Site 1 (MFL001)
- Mulligans Flat Site 5 (MFL005)
- Mulligans Flat Site 6 (MFL006)
- Mulligans Flat Site 7 (MFL007)
- Mulligans Flat Site 8 (MFL008)
- Mulligans Flat Site 9 (MFL009)
- Mulligans Flat Site 10 (MFL010)
- Mulligans Flat Site 11 (MFL011)
- Mulligans Flat Site 13 (MFL013)
- Mulligans Flat Site 17 (MFL017)

There were 11 sites where no frogs were heard calling.

Figure 3. Mulligans Flat Site 11. Six frog species were detected at this site.



Further Data Analysis

Analysis of Frogwatch data is currently limited to describing the occurrence and estimated abundance of each species, as presented in this report. It is envisaged that as a bank of information is built up over 4 to 6 years, a more rigorous analysis of the data such as comparisons from year to year will be possible.

Detailed data collected during the 2004 Frogwatch Census is presented in Appendix 1.



7. LIST OF FROGWATCH PARTICIPANTS

Thank you for your participation and enthusiasm!

S. Allen	J. Darby	L. Hurley	Z. Murray-Johnston	J. Thorne
C. Allen	N. Darby	K. Jarman	E. Nardini	J. Tranter
I. Anderson	P. Darby	L. Jarman	J. Nardini	A. Tudor
J. Anderson	S. Darby	C. Johnston	S. Nicholas	L. Vallee
M. Anderson	C. Dearson	K. Johnston-Murray	M. Ning	C. Velting
R. Aylott	J. Douglas	T. Keen	M. OConnor	R. Villiers-Brown
C. Baddeley	C. Dow	D. Kelly	D. O'Dea	P. Vipond
A. Barlow	L. Dow	J. Kelly	J. O'Dea	A. Walsh
L. Barlow	P. Doyle	R. Kharis	J. O'Halloran	A. Ware
W. Barlow	P. D'Quino	J. Kiely	M. O'Halloran	C. Ware
L. Barrett	D. Drohan	R. Kiely	S. O'Halloran	J. Ware
M. Barrett	J. Drohan	K. Kleeman	F. O'Laighin	M. Ware
J. Batt	S. Drohan	R. Knight	W. O'Reilly	O. Ware
L. Bell	T. Drohan	M. Koyama	E. Ormes-Lichacz	M. Waschka
T. Bicknell	F. Fawke	V. Kurz	L. Paine	D. Watkins
K. Bishop	P. Fawke	D. Lassam	D. Pauza	N. Watson-Smith
L. Bishop	N. Flanagan	T. Latta	A. Pertsinidis	N. Webb
M. Blume	R. Flynn	L. Laver	N. Philpot	N. Webb
M. Bond	P. Fraser	A. Laver	S. Rae	R. Wezlarz
S. Bond	S. Fraser	P. Laver	L. Rae	A. Welsh
A. Brady	L. Frisk	R. Lawson	E. Ragless	C. Welsh
T. Brady	B. Frost	J. Lazzari	R. Ragless	M. Welsh
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L. Briedis	M. Fyfe	C. Lemerle	E. Reynolds	R. Will
B. Brown	L. Gardiner	J. Leonard	G. Reynolds	C. Williams
C. Burke	S. Gardner	W. Lichacz	Z. Reynolds	M. Williams
J. Burkitt	L. Gentle	P. Liston	G. Robertson	J. Wolswinkel
M. Butler	D. Giddings	A. Llorens	D. Roe	D. Wong
A. Calliess	G. Glyde	L. Lyon	L. Royston	B. Woodruff
C. Cannon	D. Glyde	M. Lyon	D. Saunders	A. Wright
R. Cannon	M. Glynn	C. MacCormaic	J. Savigny	Judy
J. Cardell	J. Goodrum	J. Mackey	M. Scown	Melissa
N. Carroll	K. Goodrum	K. Magarey	P. Selmes	
S. Cavanagh	K. Gould	T. Magarey	P. Seymour	
R. Cernaz	C. Grant	K. Manrer	R. Smith	
R. Chow	J. Gray	P. Mantere	K. Smith	
A. Chuda	S. Groves	T. McDonald	R. Smith	
L. Churchill	B. Hall	M. McLean	F. Spier	
J. Churchill	G. Hall	H. McLeish	L. Steel	
D. Cleland	K. Harriden	R. McLeish	T. Steel	
V. Collins	J. Hastie	T. McLeish	G. Stephenson	
M. Conley	D. Heap	G. Medlin	L. Stephenson	
L. Couper	E. Heatwole	M. Millard	M. Stevenson	
M. Cousins	J. Hemer	B. Mitchell	S. Straub	
A. Coward	W. Henderson	M. Moore	M. Stutters	
N. Crane	D. Hesse	G. Moseley	H. Tait	
C. Crane-Brown	K. Holland	J. Moseley	V. Tanner	
S. Crooke	K. Hollingsworth	K. Muir	S. Taylor	
J. Cummings	F. Horan	N. Munro	M. Thompson	
A. Darby	R. Howe			



Appendix 1. Presence and Maximum Abundance of Frog Species Detected at Each Site.

ACT and Region Community Frogwatch Census October 2004.

Site Code	<i>Crinia parinsignifera</i>	<i>Crinia signifera</i>	<i>Limnodynastes dumerillii</i>	<i>Limnodynastes peronii</i>	<i>Limnodynastes tasmaniensis</i>	<i>Uperoleia laevigata</i>	<i>Litoria peronii</i>	<i>Litoria verreauxi</i>	<i>Neobatrachus sudelli</i>	None heard	Total number of species	Number of sampling occasions
AMA100	5 to 20	-	-	-	1 to 5	-	1 to 5	-	-	-	3	1
BAR200	-	1 to 5	-	-	1 to 5	-	-	-	-	-	2	1
BON100	1 to 5	5 to 20	-	-	-	-	-	-	-	-	2	1
BRA100	1 to 5	20 to 50	1 to 5	-	1 to 5	-	-	-	-	-	4	1
BRA200	1 to 5	5 to 20	1 to 5	-	1 to 5	-	-	-	-	-	4	1
CEQ100	5 to 20	5 to 20	-	-	1 to 5	1 to 5	1 to 5	-	-	-	5	1
CEQ200	1 to 5	1 to 5	-	-	1 to 5	1 to 5	-	-	-	-	4	1
CFR100	5 to 20	1 to 5	-	5 to 20	5 to 20	-	-	5 to 20	-	-	5	3
CGH050	1 to 5	5 to 20	-	1 to 5	5 to 20	1 to 5	-	-	-	-	5	1
CHC100	-	-	-	-	-	-	-	-	-	*	0	1
CHC200	-	5 to 20	-	-	1 to 5	-	-	-	-	-	2	1
CMC100	1 to 5	1 to 5	-	-	1 to 5	-	-	-	-	-	3	2
CMC600	5 to 20	-	-	-	-	-	-	-	-	-	1	2
CMC700	50 to 100	-	-	-	20 to 50	-	-	-	-	-	2	2
CMC750	1 to 5	-	-	-	-	-	-	-	-	-	1	1
CMM200	-	1 to 5	1 to 5	-	5 to 20	-	-	-	-	-	3	2
CMW500	-	1 to 5	-	-	1 to 5	-	-	-	-	-	2	2
COK100	-	-	-	-	1 to 5	-	-	-	-	-	1	1
COO100	5 to 20	-	-	-	1 to 5	-	-	-	-	-	2	2
COT100	-	20 to 50	-	-	-	-	-	-	-	-	1	1
CRA300	5 to 20	1 to 5	-	-	5 to 20	-	-	1 to 5	-	-	4	4
CTP450	-	1 to 5	1 to 5	-	-	-	1 to 5	-	-	-	3	1
CTP500	-	-	1 to 5	-	1 to 5	-	1 to 5	-	-	-	3	1
CTT300	-	1 to 5	-	-	1 to 5	-	-	-	-	-	1	2
DGP001	20 to 50	5 to 20	-	-	5 to 20	-	1 to 5	1 to 5	-	-	5	1
DUC100	5 to 20	1 to 5	-	-	5 to 20	5 to 20	5 to 20	-	-	-	5	1
FAD100	-	5 to 20	5 to 20	-	5 to 20	-	-	-	-	-	3	2
FAD200	-	-	-	-	-	-	-	-	-	-	0	1
FAD300	-	-	-	-	-	-	1 to 5	-	-	-	1	2
FBM100	5 to 20	1 to 5	-	-	-	-	-	-	-	-	2	1
FER100	-	5 to 20	-	-	-	-	-	-	-	-	1	1
FGC009	5 to 20	-	5 to 20	-	5 to 20	-	-	-	-	-	3	1
FGC010	-	20 to 50	-	-	-	-	-	-	-	-	1	1
FGC020	1 to 5	-	-	-	-	-	-	-	-	-	1	1
FGC030	1 to 5	1 to 5	1 to 5	1 to 5	1 to 5	-	-	1 to 5	-	-	6	1
FGC040	1 to 5	5 to 20	1 to 5	-	-	-	-	-	-	-	3	1
FGC050	-	-	-	-	20 to 50	-	-	-	-	-	1	1
FGC090	-	-	-	-	-	-	-	-	-	*	0	1
FGD030	-	1 to 5	-	1 to 5	5 to 20	-	-	-	-	-	3	1
FGD050	1 to 5	1 to 5	-	-	1 to 5	-	-	-	-	-	3	2
FGG010	5 to 20	5 to 20	-	-	-	-	-	5 to 20	-	-	3	3
FGW100	1 to 5	5 to 20	-	-	5 to 20	-	-	-	-	-	3	1
FGW200	-	1 to 5	1 to 5	1 to 5	1 to 5	-	-	-	-	-	4	1
FLE100	1 to 5	-	-	-	5 to 20	-	-	-	-	-	2	1
FLO100	-	-	-	-	1 to 5	-	-	-	-	-	1	1
FMC060	-	1 to 5	-	-	-	-	-	-	-	-	1	1
FMC100	-	-	-	-	-	-	-	-	-	-	0	1
FMC200	5 to 20	1 to 5	1 to 5	-	1 to 5	-	-	-	-	-	4	3
FMC210	-	-	-	-	-	-	-	-	-	*	0	2
FMC220	1 to 5	1 to 5	-	-	-	-	-	-	-	-	2	1
FMW010	5 to 20	1 to 5	-	-	5 to 20	-	-	-	-	-	3	2
FMW020	1 to 5	5 to 20	-	-	1 to 5	-	-	-	-	-	3	1
FRA200	-	-	-	-	5 to 20	-	-	-	-	-	1	2
FSC100	-	-	-	-	-	-	-	-	-	*	0	1
FTB010	5 to 20	20 to 50	5 to 20	1 to 5	5 to 20	1 to 5	1 to 5	-	-	-	7	3
FTD120	-	5 to 20	5 to 20	-	5 to 20	-	1 to 5	1 to 5	-	-	5	1
FTD160	-	-	-	-	-	-	-	-	-	*	0	1
FTP100	1 to 5	5 to 20	-	-	-	-	-	-	-	-	2	2
FTR010	-	1 to 5	-	1 to 5	1 to 5	-	-	-	-	-	3	1
FYS100	-	20 to 50	-	-	-	-	-	-	-	-	1	1
GBY100	-	1 to 5	-	-	1 to 5	-	1 to 5	-	-	-	3	3
GCC100	-	5 to 20	-	-	-	-	-	-	-	-	1	1
GFW002	5 to 20	-	-	-	5 to 20	-	-	-	-	-	2	1
GFW006	-	1 to 5	-	-	-	-	-	-	-	-	1	1
GIN002	-	-	-	-	-	-	-	-	-	*	0	1

... continued												
Site Code	<i>Crinia parinsignifera</i>	<i>Crinia signifera</i>	<i>Limnodynastes dumerilii</i>	<i>Limnodynastes peronii</i>	<i>Limnodynastes tasmaniensis</i>	<i>Uperoleia laevisgata</i>	<i>Litoria peronii</i>	<i>Litoria verreaudi</i>	<i>Neobatrachus sudelli</i>	None heard	Total number of species	Number of sampling occasions
GIN009	-	1 to 5	-	-	-	-	-	-	-	-	1	1
GOG001	1 to 5	1 to 5	-	-	1 to 5	-	-	1 to 5	-	-	4	1
GOG002	1 to 5	5 to 20	-	-	5 to 20	-	-	1 to 5	-	-	4	1
GOG003	5 to 20	1 to 5	-	-	1 to 5	1 to 5	5 to 20	1 to 5	-	-	6	2
GOG004	5 to 20	1 to 5	-	-	-	5 to 20	1 to 5	1 to 5	-	-	3	2
GUN400	5 to 20	5 to 20	-	-	1 to 5	1 to 5	-	1 to 5	-	-	5	2
GUN500	1 to 5	1 to 5	-	-	1 to 5	1 to 5	-	1 to 5	-	-	5	2
GUN600	1 to 5	-	1 to 5	-	1 to 5	1 to 5	-	-	-	-	4	2
HAL001	-	-	-	-	-	-	-	-	-	*	0	1
HAL002	-	5 to 20	-	-	5 to 20	-	-	1 to 5	-	-	3	1
HAL005	1 to 5	-	-	-	1 to 5	-	-	1 to 5	-	-	3	1
HOL100	-	1 to 5	1 to 5	-	1 to 5	-	-	-	-	-	3	2
JBT001	-	-	1 to 5	-	1 to 5	-	-	-	-	-	2	3
JDOD01	-	1 to 5	-	-	-	-	-	-	-	-	1	1
JER100	1 to 5	1 to 5	1 to 5	-	1 to 5	-	-	1 to 5	1 to 5	-	5	2
JER300	5 to 20	5 to 20	-	-	-	-	-	-	-	-	2	2
JER310	5 to 20	1 to 5	-	-	-	-	-	-	-	-	2	2
JER320	-	5 to 20	-	-	-	-	-	-	-	-	1	2
JER500	5 to 20	20 to 50	-	-	5 to 20	-	1 to 5	-	-	-	4	1
KAL100	-	-	-	1 to 5	1 to 5	-	-	-	-	-	2	1
KIP001	1 to 5	1 to 5	1 to 5	-	-	-	-	-	-	-	3	5
LDM100	5 to 20	5 to 20	-	-	1 to 5	1 to 5	1 to 5	1 to 5	-	-	6	6
MCQ100	1 to 5	-	-	-	1 to 5	-	-	-	-	-	2	1
MCW001	20 to 50	5 to 20	-	-	-	-	-	-	-	-	2	1
MCW002	5 to 20	5 to 20	1 to 5	-	20 to 50	-	-	-	-	-	4	1
MFL001	20 to 50	5 to 20	-	-	5 to 20	5 to 20	5 to 20	5 to 20	-	-	6	7
MFL002	20 to 50	5 to 20	1 to 5	-	5 to 20	5 to 20	5 to 20	1 to 5	-	-	7	7
MFL003	20 to 50	5 to 20	1 to 5	-	5 to 20	1 to 5	1 to 5	1 to 5	-	-	7	6
MFL004	5 to 20	-	-	-	5 to 20	-	-	-	-	-	2	6
MFL005	20 to 50	5 to 20	-	-	5 to 20	5 to 20	1 to 5	1 to 5	-	-	6	6
MFL006	20 to 50	20 to 50	-	-	20 to 50	5 to 20	1 to 5	1 to 5	-	-	6	6
MFL007	20 to 50	5 to 20	-	-	5 to 20	1 to 5	1 to 5	5 to 20	-	-	6	6
MFL008	20 to 50	5 to 20	-	-	5 to 20	1 to 5	1 to 5	1 to 5	-	-	6	5
MFL009	20 to 50	5 to 20	-	-	20 to 50	1 to 5	1 to 5	5 to 20	-	-	6	5
MFL010	20 to 50	5 to 20	-	-	5 to 20	5 to 20	1 to 5	5 to 20	-	-	6	5
MFL011	50 to 100	1 to 5	-	-	5 to 20	5 to 20	5 to 20	1 to 5	-	-	6	2
MFL012	20 to 50	1 to 5	-	-	5 to 20	1 to 5	1 to 5	-	-	-	5	2
MFL013	20 to 50	5 to 20	-	-	5 to 20	1 to 5	1 to 5	1 to 5	-	-	6	2
MFL014	20 to 50	-	-	-	5 to 20	5 to 20	5 to 20	-	-	-	4	2
MFL015	20 to 50	-	-	-	1 to 5	1 to 5	-	-	-	-	3	2
MFL016	5 to 20	-	-	-	1 to 5	1 to 5	-	-	-	-	3	3
MFL017	20 to 50	1 to 5	-	-	5 to 20	5 to 20	1 to 5	1 to 5	-	-	6	2
MFL018	5 to 20	-	-	-	1 to 5	1 to 5	1 to 5	-	-	-	4	2
MFL019	-	-	-	-	1 to 5	1 to 5	-	-	-	-	2	2
MFL020	5 to 20	1 to 5	-	-	1 to 5	1 to 5	-	-	1 to 5	-	5	3
MFL021	5 to 20	1 to 5	-	-	5 to 20	1 to 5	1 to 5	-	-	-	5	2
MIR100	1 to 5	1 to 5	-	-	1 to 5	-	-	-	-	-	3	1
MIT100	5 to 20	1 to 5	-	-	1 to 5	-	-	1 to 5	-	-	4	1
MOL100	-	-	-	-	-	-	-	-	-	*	0	1
MOL200	1 to 5	1 to 5	-	-	-	-	-	-	-	-	2	2
CTP450	-	-	1 to 5	-	-	-	1 to 5	-	-	-	2	1
MYA050	1 to 5	5 to 20	1 to 5	-	1 to 5	-	-	-	-	-	4	6
NAA100	-	20 to 50	1 to 5	1 to 5	-	-	-	-	-	-	3	1
NUM100	1 to 5	20 to 50	1 to 5	-	1 to 5	-	-	1 to 5	-	-	5	1
NUM200	-	5 to 20	-	-	5 to 20	-	-	5 to 20	-	-	3	1
ORR100	-	-	-	-	-	1 to 5	-	-	-	-	1	1
ORR200	-	5 to 20	-	-	-	-	-	-	-	-	1	1
PIN100	1 to 5	1 to 5	-	-	1 to 5	-	1 to 5	-	-	-	4	3
PLM100	5 to 20	-	-	1 to 5	1 to 5	5 to 20	-	-	-	-	4	1
PLM200	5 to 20	-	-	-	1 to 5	5 to 20	1 to 5	-	-	-	4	1
QBN200	-	5 to 20	-	-	-	-	-	-	-	-	1	1
SFF100	1 to 5	5 to 20	-	-	1 to 5	-	-	-	-	-	3	2
SUT100	1 to 5	1 to 5	-	-	1 to 5	1 to 5	-	5 to 20	-	-	5	1
SUT101	1 to 5	1 to 5	-	-	1 to 5	-	-	-	-	-	3	1
TGN200	-	1 to 5	-	-	-	-	-	-	-	-	1	1
TRC100	-	-	-	-	-	-	-	-	-	*	0	1
URIO01	20 to 50	5 to 20	-	-	-	1 to 5	1 to 5	-	-	-	4	2
URIO02	20 to 50	5 to 20	-	-	20 to 50	1 to 5	1 to 5	-	-	-	5	2
WGC001	20 to 50	1 to 5	-	-	5 to 20	-	1 to 5	-	-	-	4	3