

FIELD TRIALS

RECAP _____

Standard Sample _____ Marquesan Sample _____ Nursery Habitat _____

Observer _____

Date _____ System _____ Location/ Station _____ Quad/ Substation _____

GPS N _____ W _____ # of Trials _____

Time in _____ Time out _____ Random: YES NO

Salinity(ppt) _____ pH _____ Cond.(ms/cm) _____ D.O.(mg/L) _____

Temp.(c) _____ Net Dia / Mesh Size _____

Water condition: FLAT WHITE WATER Tide Stage _____

Bottom cond: DETRITUS _____ SED _____ SAND _____ GRAVEL _____ BOULDER _____ BEDROCK _____

Weather _____ Secchi (cm) _____ Depth(cm) _____

Species	SPPcode	FL (mm)	Tag "Y"
'opae		14 cm	
"↓"		13 1/2 cm	
'opae		9 cm	
↓		4 cm	
hina		3 cm	
'opae		4 cm	
'opae		7.5 cm	
'opae		3 1/2 cm	
hina		5 cm	
prawn		8 cm	
prawn		10 cm	
'opae		13 1/2 cm	
'opae		9 cm	
prawn		6 cm	
prawn		13 cm	
prawn		10 cm	
'opae		9 cm	
prawn		8 cm	
'opae		6 cm	
'opae		7 cm	
'opae		5 cm	
'opae		8 1/2 cm	
hina		3 1/2 cm	
'opae		3 1/2 cm	
'opae		2 1/2 cm	

Species	SPPcode	FL(mm)	Tag "Y"
1 'opae		6 cm	
2 'opae		6	
3 "		3	
4 "		5	
5 Oopu Nakea		11	
6 Oopu Nakea		12	
7 Oopu		4	
8 Oopae		8	
9 "		4	
10 "		3.5	
11 "		6	
12 "		5	
13 "		5	
14 Oopu Naniha		2.8	
15		1.4	
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

more on back _____

NOTES:

	Species	SPPcode	FL (mm)	Tag "Y"
1	Molly		5.5	
2	"		6.0	
3	"		6.0	
4	"		4.8	
5	"		7.0	
6	"		5.4	
7	"		5.5	
8	"		4.3	
9	"		5.0	
10	"		3.0	
11	"		2.6	
12	"		2.2	
13	"		6.0	
14	"		5.0	
15	"		3.7	
16	"		9.0	
17	"		5.1	
18	"		4.2	
19	"		3.0	
20	"		5.1	
21	"		4.0	
22	"		5.1	
23	"		4.7	
24	"		1.0	
25	"		3.3	
26	"		5.9	
27	"		4.8	
28	"		3.0	
29	"		3.0	
30	"		3.3	
31	"		5.2	
32	"		4.0	
33	"		4.7	
34	"		5.5	
35	"		5.6	
36	"		4.6	
37	"		4.4	
38	"		5.2	
39	"		4.2	
40	"		4.8	
41	"		2.8	
42	"		5.1	
43	"		3.0	
44	"		5.3	
45	"		3.3	
46	"		5.2	
47	"		4.6	
48	"		5.2	
49	"		2.1	
50	"		2.6	

	Species	SPPcode	FL(mm)	Tag "Y"
	"		2.9	
	"		2.8	
	"		3.2	
	"		3.2	
	"		2.5	
	"		1.0	
	"		3.2	
	H. Prawn		4.0	
	"		4.5	
	"		2.8	
	"		2.7	
	'Aholehole(12)		8.5	
	"		8.6	
	"		8.9	
	"		7.9	
	"		7.7	
	"		8.5	
	"		7.3	
	"		7.4	
	"		6.6	
	"		7.3	
	"		6.7	
	"		7.2	
	"		8.2	
	"		6.3	
	"		6.1	
	"		7.6	
	"		7.4	
	"		5.3	
	"		5.3	
	"		7.0	
	"		5.8	
	"		5.2	
	"		8.1	
	"		7.5	
	"		5.2	
	"		6.3	
	"		6.5	
	"		8.1	
	"		3.8	
	"		6.9	
	"		8.0	
	"		7.3	
	"		5.5	
	"		6.1	
	"		7.8	
	"		7.3	
	"		6.1	
	"		6.1	
	"		5.7	

	Species	SPPcode	FL (mm)	Tag "Y"
	"		6.0	
	"		6.1	
	"		5.3	
	"		5.9	
	"		6.0	
	"		5.5	
	"		1.4	
	"		5.4	
	"		2.2	
	"		5.1	
	"		5.1	
	"		4.6	
	"		5.0	
	"		5.5	
	"		5.6	
	"		5.0	
	"		5.8	
	"		3.9	
	"		4.6	
	"		2.9	
	"		4.4	
	"		5.7	
	"		4.6	
	"		5.3	
	"		4.6	
	"		4.7	
	"		3.6	
	"		5.2	
	"		4.0	
	"		5.2	
	"		4.3	
	"		4.2	
	"		5.2	
	"		3.0	
	"		4.4	
	"		1.9	
	"		4.7	
	"		4.6	
	"		5.2	
	"		1.6	
	"		2.2	
	"		2.5	
	"		5.6	
	"		3.9	
	"		4.7	
	"		4.7	
	"		3.0	
	"		4.7	
	"		4.3	
	"		3.5	

FIELD TRIALS

RECAP _____

Standard Sample _____ Marquesan Sample _____ Nursery Habitat _____

Obser Kanu

Date June 19/2007 System _____ Location/ Station _____ Quad/ Substation _____

GPS N _____ W _____ # of Trials _____

Time in _____ Time out _____ Random: YES NO

Salinity(ppt) _____ pH _____ Cond.(ms/cm) _____ D.O.(mg/L) _____

Temp.(c) _____ Net Dia / Mesh Size _____

Water condition: FLAT WHITE WATER Tide Stage _____

Bottom cond: DETRITUS _____ SED _____ SAND _____ GRAVEL _____ BOULDER _____ BEDROCK _____

Weather _____ Secchi (cm) _____ Depth(cm) _____

Species	SPPcode	FL (mm)	Tag "Y"
Molly		8.6	
"		8.6	
"		9.7	
"		8.6	
"		6.9	
"		8.2	
"		8.1	
"		8.4	
"		9.2	
"		8.6	
"		9.1	
"		7.7	
"		7.5	
"		8.0	
"		8.8	
"		8.4	
"		7.5	
"		7.3	
"		6.0	
"		8.1	
"		2.4	
"		8.2	
Prawn		7.9	
"		11.1	
Molly		7.4	

Species	SPPcode	FL(mm)	Tag "Y"
"		7.9	
"		7.8	
"		7.0	
"		7.0	
"		7.8	
"		8.4	
"		5.8	
"		6.9	
"		5.6	
"		6.0	
"		7.9	
"		7.2	
"		5.7	
"		6.0	
"		5.7	
"		6.2	
"		5.0	
"		5.6	
"		5.5	
Cray Fish		3.0	
Molly		6.7	
"		4.9	
"		4.9	
"		6.2	
"		5.4	

more on back _____

NOTES:

FIELD TRIALS

RECAP _____

Standard Sample _____ Marquesan Sample _____ Nursery Habitat _____

Observer _____

Date June 19 System _____ Location/ Waipio Quad/ Station Muliwai Substation _____

GPS N _____ W _____ # of Trials _____

Time in _____ Time out 12:30 Random: YES NO

Salinity(ppt) _____ pH _____ Cond.(ms/cm) _____ D.O.(mg/L) _____

Temp.(c) _____ Net Dia / Mesh Size _____

Water condition: FLAT WHITE WATER Tide Stage _____

Bottom cond: DETRITUS _____ SED _____ SAND _____ GRAVEL _____ BOULDER _____ BEDROCK _____

Weather _____ Secchi (cm) _____ Depth(cm) _____

Species	SPPcode	FL (mm)	Tag "Y"
<u>Molly</u>		<u>5.3</u>	
		<u>5.2</u>	
		<u>5.2</u>	
		<u>4.5</u>	
		<u>4</u>	
		<u>4.5</u>	
		<u>4</u>	
		<u>3.8</u>	
		<u>2.5</u>	
		<u>5</u>	
		<u>3.5</u>	
		<u>3.6</u>	
		<u>4.3</u>	
		<u>4</u>	
		<u>2.6</u>	
		<u>3</u>	
		<u>3.5</u>	
		<u>2.2</u>	
		<u>3.2</u>	
		<u>2.5</u>	
		<u>8</u>	
		<u>3.7</u>	
		<u>5.1</u>	
		<u>4</u>	
		<u>1.2</u>	

Species	SPPcode	FL(mm)	Tag "Y"
<u>Molly</u>		<u>1.5</u>	
		<u>2.4</u>	
		<u>2</u>	
		<u>8.5</u>	
		<u>2.3</u>	
		<u>7.9</u>	
		<u>8.9</u>	
		<u>8.7</u>	
		<u>9.2</u>	
		<u>8.5</u>	
<u>Opae</u>		<u>3.5</u>	
<u>Molly</u>		<u>9.2</u>	
		<u>8.8</u>	
		<u>8.5</u>	
		<u>8.2</u>	
		<u>8.3</u>	
		<u>8.9</u>	
		<u>8.4</u>	
		<u>8</u>	
		<u>8.2</u>	
		<u>8.1</u>	
		<u>6</u>	
		<u>7.4</u>	
		<u>5.5</u>	
		<u>6.2</u>	

more on back _____

NOTES:

1 HINANA IN THE TRAP

	Species	SPPcode	FL (mm)	Tag "Y"
1	Molly		8.3	
2			4.6	
3			1.5	
4			9	
5			5.7	
6			4.6	
7			5.1	
8			8.9	
9			6.3	
10			5.8	
11			3.6	
12			3.5	
13			8.3	
14			5.6	
15			4	
16			4.5	
17			6.3	
18			4.3	
19			6.1	
20			7.5	
21			6.1	
22			4.3	
23			4.1	
24	Opou Nakea		17.7	
25	Molly		5.2	
26			8.5	
27			6.2	
28			5.3	
29	Aholehole		5.3	
30	Molly		7.3	
31			5.4	
32			6	
33	Aholehole		3	
34	Opou		10	
35	Molly		5.8	
36			5.6	
37	Opae		7.3	
38	Molly		5.4	
39			4.7	
40			1.6	
41	Opae		7.3	
42	Molly		4	
43			6.3	
44			1.9	
45	Opae		6	
46	Molly		6.4	
47			4.7	
48			5.5	
49			4.5	
50	Opae		4.6	

Species	SPPcode	FL(mm)	Tag "Y"
Molly		4.4	
		6	
		3.9	
		5.7	
		6.6	
		6.6	
		6.4	
		5	
		4.5	
		3.8	
		4.2	
		4.5	
		4.1	
		5	
		3.9	
		3.9	
		4	
		4	
		2.8	
Prawn		11	
Prawn		8	
Molly		1.8	
		2.8	
		3.9	
		4.5	
		4.8	
		5.1	
		4.6	
		3.4	
		3.5	
		3.6	
		3.2	
		2.5	
		4	
		5.5	
		4.8	
		3.7	
		3.5	
		2.5	
		4.3	
		2.5	
		3	
		3.5	
		2.9	
		3	
Aholehole		4	
Molly		2.5	
		4.6	
		3.2	
Opae		3.5	

Species	SPPcode	FL (mm)	Tag "Y"
Opae		10.2	
Nahika		4.5	
Prawn		6.2	
Prawn		6	
Molly		2.9	
Prawn		5.6	
Molly		5.5	
		5.2	
Nahika		6	
Molly		7.4	
		7.2	
		8	
		9	
		5.1	
		6.4	
		7	
		6	
		6.4	
		7	
		5.8	
		7.5	
		5.5	
		5.4	
		6.4	
		6.5	
		5.5	
		5.1	
		6	
		6.8	
		6.2	
		5.9	
		5	
		7.5	
		5.2	
		6.2	
		8	
		7.3	
		7.2	
		5.2	
		8.2	
		6.2	
		7.3	
		2.8	
		5	
		7.4	
		7	
		5.5	
		4.8	
		7.5	
		6.8	

FIELD TRIALS

RECAP _____

Standard Sample _____ Marquesan Sample _____ Nursery Habitat _____

Obser _____

Date 6/19/07 System _____ Location/ Station _____ Quad/ Substation _____

GPS N _____ W _____ # of Trials _____

Time in _____ Time out _____ Random: YES NO

Salinity(ppt) _____ pH _____ Cond.(ms/cm) _____ D.O.(mg/L) _____

Temp.(c) _____ Net Dia / Mesh Size _____

Water condition: FLAT WHITE WATER Tide Stage _____

Bottom cond: DETRITUS _____ SED _____ SAND _____ GRAVEL _____ BOULDER _____ BEDROCK _____

Weather _____ Secchi (cm) _____ Depth(cm) _____

Species	SPPcode	FL (mm)	Tag "Y"
molly		6.5	
"		5.9	
"		5.7	
"		4.9	
"		4.2	
"		6.2	
"		5	
"		7.0	
"		6.9	
"		5	
"		5.1	
"		5.5	
"		6.1	
"		5.8	
"		5.1	
"		5	
"		5.5	
"		5.3	
"		7.5	
"		3.5	
"		6.3	
"		4.5	
"		6.2	
"		6.5	
"		5.3	

Species	SPPcode	FL(mm)	Tag "Y"
1 NANANIHA		5	
2 Molly		4.5	
3 "		4.2	
4 "		5.1	
5 "		4.5	
6 "		5.3	
7 "		4.5	
8 "		4.6	
9 "		4.6	
10 "		3.7	
11 "		4.4	
12 "		4.8	
13 "		5.6	
14 "		4.7	
15 "		5	
16 "			
17 "			
18 "			
19 "			
20 "			
21 "			
22 "			
23 "			
24 "			
25 "			

more on back _____

NOTES:

	Species	SPPcode	FL (mm)	Tag "Y"
1	Molly		7.8	
2			5.5	
3			5.7	
4			6.6	
5			8.5	
6			5.5	
7			8.5	
8			6.9	
9			7.5	
10			7.9	
11			9	
12			6.2	
13			7	
14			6.5	
15			7.5	
16			6.6	
17			7.1	
18			5	
19			6.2	
20			6.9	
21	Prawn		7.5	
22	Molly		7.6	
23			6	
24			6.5	
25			7.1	
26			6.9	
27			6.1	
28			5	
29			5.6	
30			6	
31			7.4	
32	Prawn		4	
33	Molly		7.0	
34			5.7	
35			4.9	
36			5	
37	Prawn		4.7	
38	Molly		5.7	
39			5.5	
40			6.5	
41			6.5	
42			5.7	
43			6.1	
44			6.1	
45			5.1	
46			5	
47			5.5	
48			3.9	
49			5.4	
50			5.7	

	Species	SPPcode	FL(mm)	Tag "Y"
	Prawn		5.5	
	Molly		6.9	
			6.0	
			7	
			6.1	
			7	
			5.6	
			6.9	
			6.6	
			5.9	
			6.3	
			6.7	
			6	
			7.5	
	Prawn		5	
	Molly		6	
			7.1	
			4	
			5.4	
			4.7	
			3	
			5.5	
			5.5	
			6.2	
			4.5	
			6.5	
			5	
			5.8	
			5.4	
			5.7	
			5.5	
			7.5	
			5.2	
			6	
			6.5	
			6	
			5.1	
	Prawn		3	
	Molly		5.4	
			6	
			6.4	
	Prawn		4.4	
	Prawn		3.1	
	Molly		3.2	
			7.4	
			5.6	
			6	
			6	
			2	
			7	

	Species	SPPcode	FL (mm)	Tag "Y"
	Molly		5.6	
			6.3	
			4.5	
			6.7	
			2	
			5.3	
			2.5	
			6.2	
			6.5	
			2	
			6	
			4.9	
			5.3	
			6.3	
			4.7	
			4	
			4.5	
			4.2	
			4.8	
			5.5	
			4.3	
			5.6	
			5	
			4.7	
			4.5	
			5.9	
			4	
			2.5	
			5.8	
			3.4	
			4.9	
			6.8	
			2.5	
			4.4	
			5.4	
			2.1	
			5.5	
			4.3	
			3.5	
			4.4	
			4	
	Prawn		2.9	
	Molly		4.8	
			5.2	
	Prawn		4.4	
	Prawn		3.6	
	Molly		5.5	
			5.1	
			5.3	
			5.5	

FIELD TRIALS

RECAP _____

Standard Sample _____ Marquesan Sample _____ Nursery Habitat _____

Observer _____

Date 6/19/07 System _____ Location/ Station _____ Quad/ Substation _____

GPS N _____ W _____ # of Trials _____

Time in _____ Time out 12³⁰ Random: YES NO

Salinity(ppt) _____ pH _____ Cond.(ms/cm) _____ D.O.(mg/L) _____

Temp.(c) _____ Net Dia / Mesh Size _____

Water condition: FLAT WHITE WATER Tide Stage _____

Bottom cond: DETRITUS _____ SED _____ SAND _____ GRAVEL _____ BOULDER _____ BEDROCK _____

Weather _____ Secchi (cm) _____ Depth(cm) _____

Species	SPPcode	FL (mm)	Tag "Y"
<u>Molly</u>		<u>5.8</u>	
		<u>7.3</u>	
		<u>8.8</u>	
		<u>5.4</u>	
		<u>5.9</u>	
		<u>4.5</u>	
		<u>4.8</u>	
		<u>6.9</u>	
		<u>5.2</u>	
		<u>7.5</u>	
		<u>5.7</u>	
		<u>4.7</u>	
		<u>5</u>	
		<u>6.3</u>	
		<u>6.4</u>	
		<u>6</u>	
		<u>6</u>	
		<u>5.5</u>	
		<u>5.4</u>	
		<u>5.7</u>	
		<u>6</u>	
		<u>6</u>	
		<u>4.8</u>	
		<u>5.2</u>	
		<u>4.8</u>	

Species	SPPcode	FL(mm)	Tag "Y"
<u>Molly</u>		<u>6.8</u>	
		<u>6.1</u>	
		<u>5</u>	
		<u>5.7</u>	
		<u>6.2</u>	
		<u>5</u>	
		<u>5.5</u>	
		<u>6</u>	
		<u>4.6</u>	
		<u>5.5</u>	
		<u>5.7</u>	
		<u>5</u>	
		<u>3.3</u>	
		<u>5.2</u>	
		<u>5.7</u>	
		<u>2.5</u>	
		<u>4.8</u>	
		<u>5.6</u>	
		<u>6.5</u>	
		<u>4.4</u>	
		<u>6.5</u>	
		<u>2.2</u>	
		<u>5.3</u>	
		<u>5.4</u>	
		<u>4.9</u>	

more on back _____

NOTES:

FIELD TRIALS

RECAP _____

Standard Sample _____ Marquesan Sample _____ Nursery Habitat _____

Obser _____

Date 19-VI-2007 System _____ Location/ Station _____ Quad/ Substation _____

GPS N _____ W _____ # of Trials _____

Time in _____ Time out _____ Random: YES NO

Salinity(ppt) _____ pH _____ Cond.(ms/cm) _____ D.O.(mg/L) _____

Temp.(c) _____ Net Dia / Mesh Size _____

Water condition: FLAT WHITE WATER Tide Stage _____

Bottom cond: DETRITUS _____ SED _____ SAND _____ GRAVEL _____ BOULDER _____ BEDROCK _____

Weather _____ Secchi (cm) _____ Depth(cm) _____

Hui Aina

Species	SPPcode	FL (mm)	Tag "Y"
Molly		4.0	
"		4.1	
"		4.5	
"		4.6	
"		3.5	
"		5.8	
"		5.3	
"		6.5	
"		5.5	
"		6.6	
"		4.6	
"		3.5	
"		5.3	
"		4.6	
"		5.0	
"		5.4	
"		5.6	
"		5.5	
"		4.5	
"		4.0	
"		3.5	
"		4.5	
"		4.3	
"		4.5	
"		4.8	

Species	SPPcode	FL(mm)	Tag "Y"
Molly		4.0	
"		5.5	
"		5.0	
"		4.0	
"		5.5	
"		4.3	
"		3.4	
"		4.5	
"		4.9	
"		4.5	
"		4.2	
"		4.7	
"		2.0	
"		4.2	
"		5.7	
"		7.0	
"		6.3	
"		5.5	
"		5.5	
"		5.4	
"		5.8	
"		6.0	
"		5.0	
"		6.0	
"		5.3	

more on back _____

NOTES:

cm

	Species	SPPcode	FL (mm)	Tag "Y"
1	Molly		6.7	
2	"		4.1	
3	"		6.3	
4	"		5.3	
5	"		6.1	
6	"		5.1	
7	"		5.1	
8	"		6.4	
9	"		6.0	
10	"		5.5	
11	"		4.3	
12	"		5.3	
13	"		5.2	
14	"		4.5	
15	"		5.2	
16	"		5.6	
17	"		6.0	
18	"		4.9	
19	"		6.3	
20	"		6.6	
21	"		5.0	
22	"		6.0	
23	"		5.6	
24	"		3.5	
25	"		6.0	
26	"		6.5	
27	"		5.0	
28	"		5.1	
29	"		1.3	
30	"		6.1	
31	"		3.0	
32	"		3.0	
33	"		3.0	
34	"		4.3	
35	"		5.3	
36	"		5.5	
37	"		3.5	
38	"		6.3	
39	"		5.5	
40	"		4.5	
41	"		3.0	
42	"		3.2	
43	"		6.0	
44	"		5.5	
45	"		4.5	
46	"		5.0	
47	"		4.6	
48	"		3.5	
49	"		6.6	
50	"		7.5	

cm

Species	SPPcode	FL(mm)	Tag "Y"
Molly		7.5	
"		7.5	
"		7.8	
"		8.2	
"		6.0	
"		5.3	
"		7.3	
"		5.0	
"		6.5	
"		6.8	
"		2.3	
"		2.5	
"		6.7	
"		5.4	
"		6.3	
"		4.3	
"		5.5	
"		5.0	
"		5.3	
"		3.2	
"		3.4	
"		5.2	
"		5.5	
"		5.4	
"		5.0	
"		4.4	
"		3.1	
"		5.0	
"		4.5	
"		3.4	
"		2.0	
"		4.5	
"		5.2	
"		5.0	
"		4.5	
"		3.3	
"		2.5	
"		6.4	
"		4.8	
"		4.5	
"		3.3	
"		4.5	
"		3.5	
"		6.0	
"		6.1	
"		6.3	
"		3.0	
"		5.5	
"		5.3	
"		4.6	

cm

Species	SPPcode	FL (mm)	Tag "Y"
Molly		8.9	
"		4.5	
"		4.8	
"		3.5	
"		2.5	
"		2.5	
"		3.0	
"		3.5	
"		2.5	
"		3.0	
"		3.2	
"		3.0	
"		4.0	
Molly		0.11	
"		1.1	
"		2.0	
"		7.5	
"		2.2	
"		7.5	
"		5.7	
"		6.6	
"		5.9	
"		7.0	
"		6.8	
"		8.0	
"		5.9	
"		5.5	
"		5.7	
"		4.0	
"		5.0	
"		3.6	
"		9.0	
"		7.0	
"		6.8	
"		11.0	
"		5.1	
"		7.8	
"		6.1	
"		5.5	
"		5.1	
"		2.0	
"		7.0	
"		6.6	
"		5.2	
"		3.0	
"		6.4	
"		9.0	
"		5.1	
"		3.0	
"		4.4	

prawn Molly