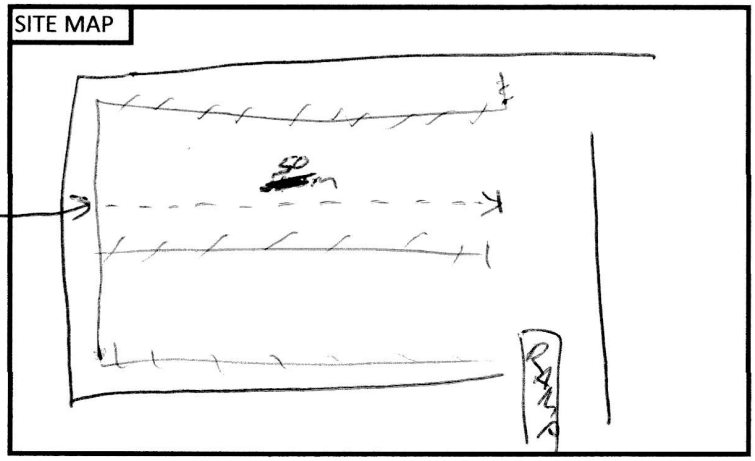
Project: **UV Light Monitoring Macrophyte Survey**

Date: 12 June 2017
Location: LSM
Sampling Staff: SSS, RKJ, Ram
Lake Level:
Boating Activity: low
Weather Conditions: overcast
Beaufort: 4.5 – rough!
Water Temperature: 44°F

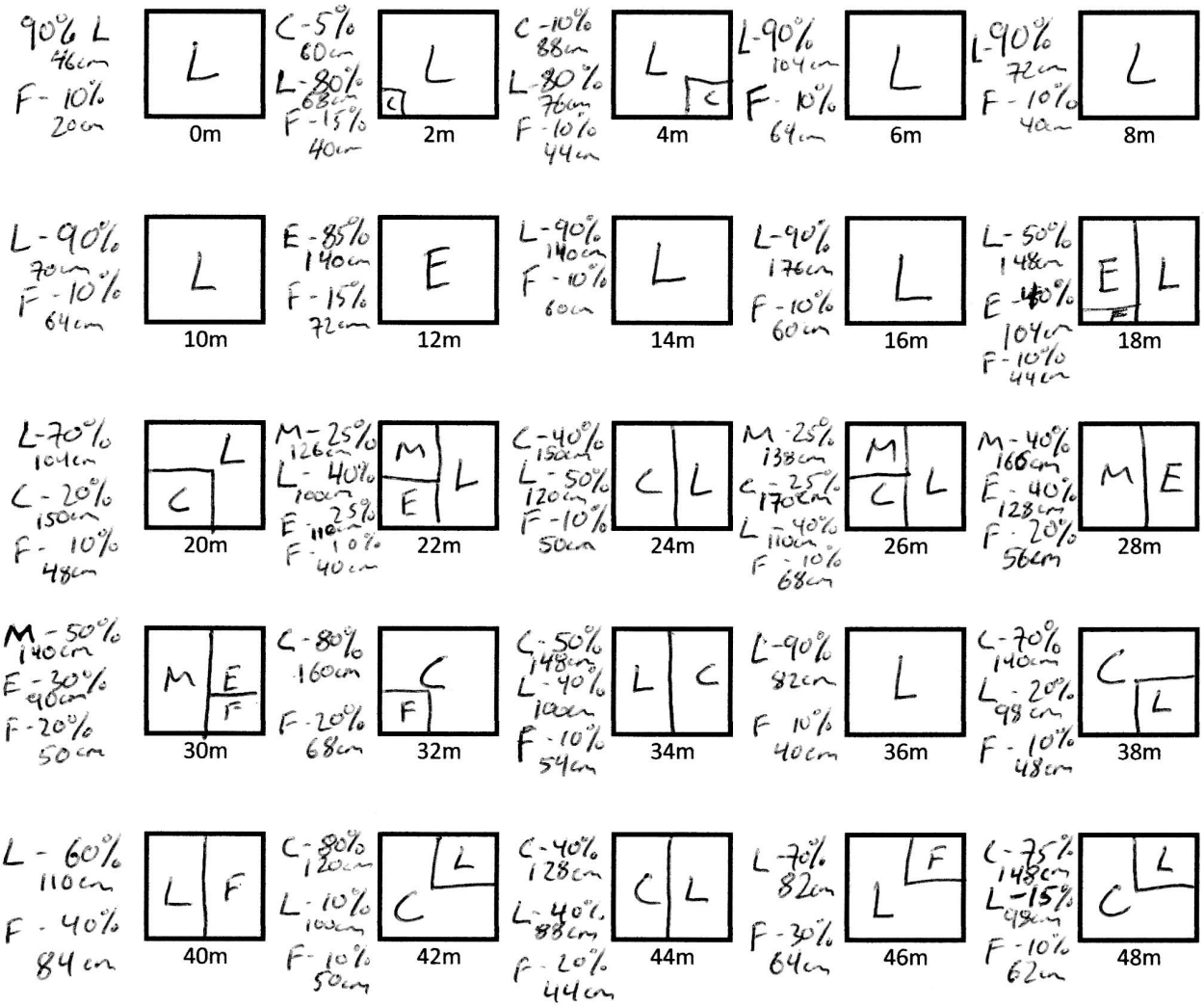
Distance in M
Height in CM



C = Curlyleaf Pondweed
M = Eurasian Watermilfoil
R = Richardson's Pondweed
L = Leafy Pondweed

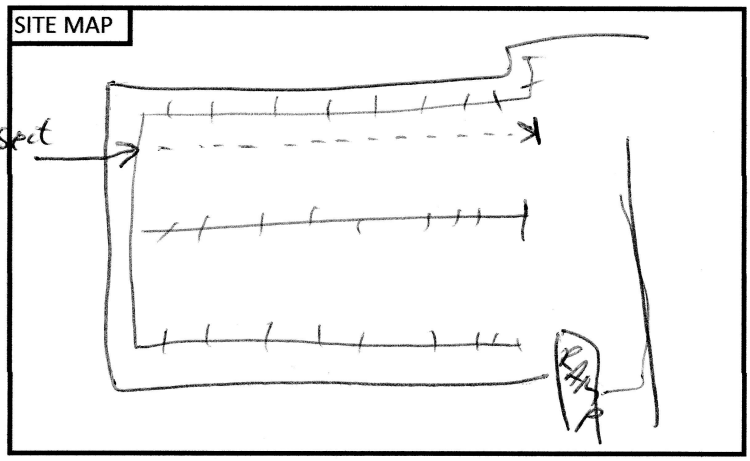
Co = Coontail
Ch = Chara
E = Elodea
S = Sago Pondweed
F = Filamentous Algea (Order: Zygnematales Genus: Spirogyra sp. and Zygnema sp.)

Transect # 1



Project: **UV Light Monitoring Macrophyte Survey**

Date: 12 June 2017 Distance in M
Location: LSPM Height in CM
Sampling Staff: SJS, RKJ, RCM
Lake Level:
Boating Activity: low
Weather Conditions: overcast - windy
Beaufort: 4.5
Water Temperature: 44°F



C = Curlyleaf Pondweed
M = Eurasian Watermilfoil
R = Richardson's Pondweed
L = Leafy Pondweed

Co = Coontail
Ch = Chara
E = Elodea
S = Sago Pondweed
F = Filamentous Algea (Order: Zygnematales Genus: Spirogyra sp. and Zygnema sp.)

Transect # 2

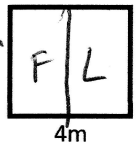
L - 20% 48cm
F - 80% 56cm

0m

L - 25% 66cm
F - 75% 56cm

2m

L - 60% 70cm
F - 40% 60cm

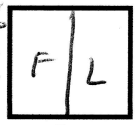


4m

L - 40% 104cm
F - 60% 68cm

6m

L - 50% 102cm
F - 50% 60cm



8m

L - 60% 108cm
F - 40% 60cm

10m

L - 40% 98cm
F - 60% 54cm

12m

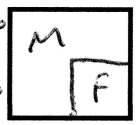
F - 100% 48cm

14m

L - 25% 60cm
F - 75% 60cm

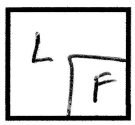
16m

M - 75% 128cm
F - 25% 68cm



18m

L - 80% 100cm
F - 20% 60cm

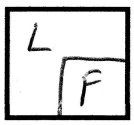


20m

L - 75% 96cm
F - 25% 54cm

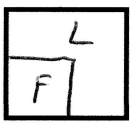
22m

L - 75% 120cm
F - 25% 66cm



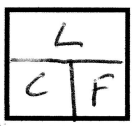
24m

L - 75% 110cm
F - 25% 54cm



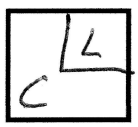
26m

C - 25% 146cm
L - 50% 110cm
F - 25% 50cm



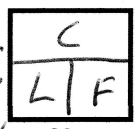
28m

C - 70% 126cm
L - 20% 110cm
F - 10% 60cm



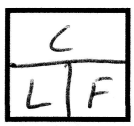
30m

C - 60% 144cm
L - 20% 110cm
F - 20% 48cm



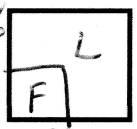
32m

C - 50% 154cm
L - 30% 98cm
F - 20% 66cm



34m

L - 80% 108cm
F - 20% 50cm



36m

C - 75% 148cm
L - 20% 112cm
F - 5% 40cm

38m

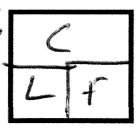
C - 50% 110cm
L - 40% 100cm
F - 10% 66cm

40m

C - 50% 112cm
L - 40% 90cm
F - 10% 32cm

42m

C - 40% 124cm
L - 30% 102cm
F - 30% 66cm

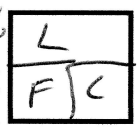


44m

C - 20% 150cm
L - 70% 100cm
F - 10% 48cm

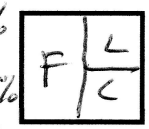
46m

C - 25% 104cm
L - 50% 90cm
F - 25% 68cm



48m

C - 30% 88cm
L - 20% 102cm
F - 50% 44cm



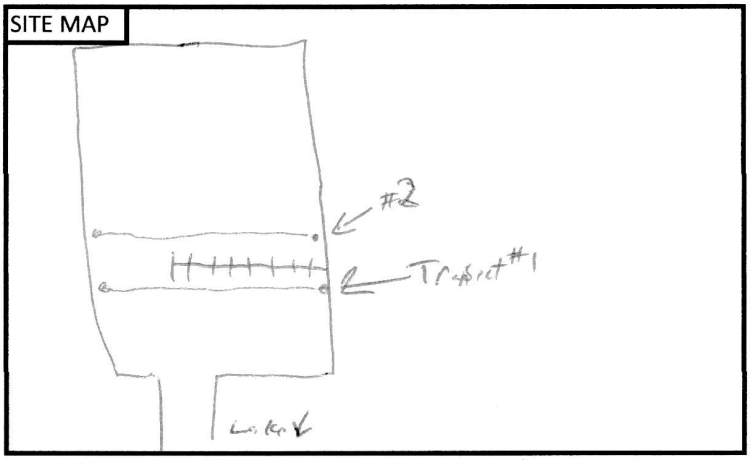
50m

Project: **UV Light Monitoring Macrophyte Survey**

Date: 13 Jun 17
Location: Meeks Marina
Sampling Staff:
Lake Level:
Boating Activity: None
Weather Conditions: Sunny
Beaufort: 0.5
Water Temperature: 50°F

Distance in M
Height in CM

SITE MAP



C = Curlyleaf Pondweed
M = Eurasian Watermilfoil
R = Richardson's Pondweed
L = Leafy Pondweed

Co = Coontail
Ch = Chara
E = Elodea
S = Sago Pondweed
F = Filamentous Algea (Order: Zygnematales Genus: Spirogyra sp. and Zygnema sp.)

Transect # 1

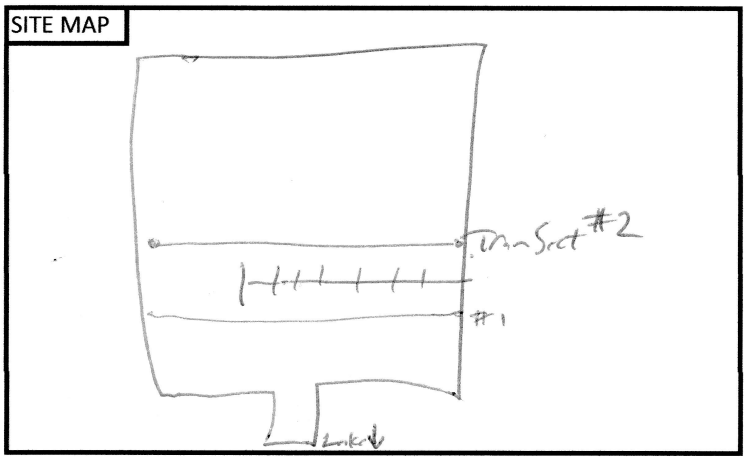
Bare	Bare	Bare	Bare	Bare
0m	2m	4m	6m	8m
M-15% 14cm E-10% 16cm	M-15% 12cm	Bare	Bare	Bare
10m	12m	14m	16m	18m
M-25% 20cm	M-15% 14cm	M-20% 16cm	M 100% 16cm	M-50% 20cm
20m	22m	24m	26m	28m
M-10% 14cm	Bare	Bare	E-25% 20cm	E-50% 14cm
30m	32m	34m	36m	38m
M-10% 20cm E-75% 18cm	E-75% 20cm	E-50% 14cm	75%-E 22cm	E-10% 20cm	M-10% 14cm E-90% 14cm
40m	42m	44m	46m	48m	50m

Project: **UV Light Monitoring Macrophyte Survey**

Date: 13 June 17
Location: Meeks Marina
Sampling Staff: Robin, Robert, Seth
Lake Level:
Boating Activity: None
Weather Conditions: Sunny
Beaufort: 0.5
Water Temperature: 50°F

Distance in M
Height in CM

SITE MAP



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Co = Coontail
Ch = Chara
E = Elodea
S = Sago Pondweed
F = Filamentous Algea (Order: Zygnematales Genus: Spirogyra sp. and Zygnema sp.)

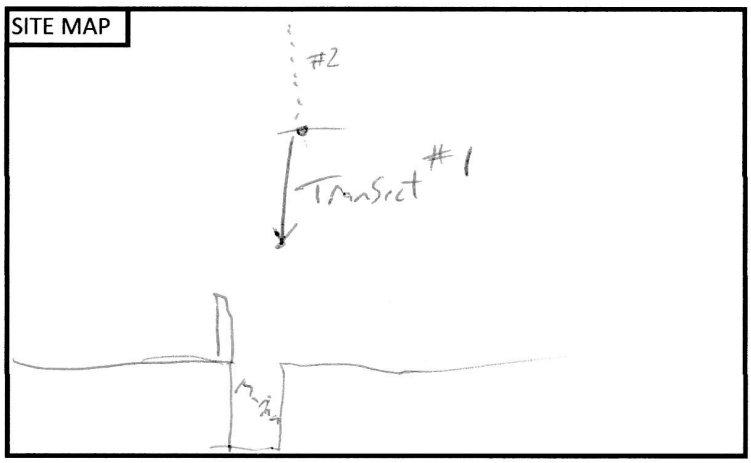
Transect # 2

Bare	Bare	Bare	Bare	Bare	
0m	2m	4m	6m	8m	
Bare	Bare	Bare	Bare	Bare	
10m	12m	14m	16m	18m	
Bare	Bare	Bare	Bare	Bare	
20m	22m	24m	26m	28m	
Bare	M-10% 14cm	Bare	Bare	M-10% 20cm	
30m	32m	34m	36m	38m	
M-10% 20cm	E-25% 20cm	E-40% 14cm	E-50% 20cm	E-50% 20cm	E-50% 20cm
40m	42m	44m	46m	48m	50m

Project: **UV Light Monitoring Macrophyte Survey**

Date: 16 July 17
Location: Ski Run channel
Sampling Staff: Seth, Robin, Corrine
Lake Level:
Boating Activity: Moderate
Weather Conditions: Sunny
Beaufort: 1
Water Temperature: 60 F

Distance in M
Height in CM



C = Curlyleaf Pondweed
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L = Leafy Pondweed

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Ch = Chara
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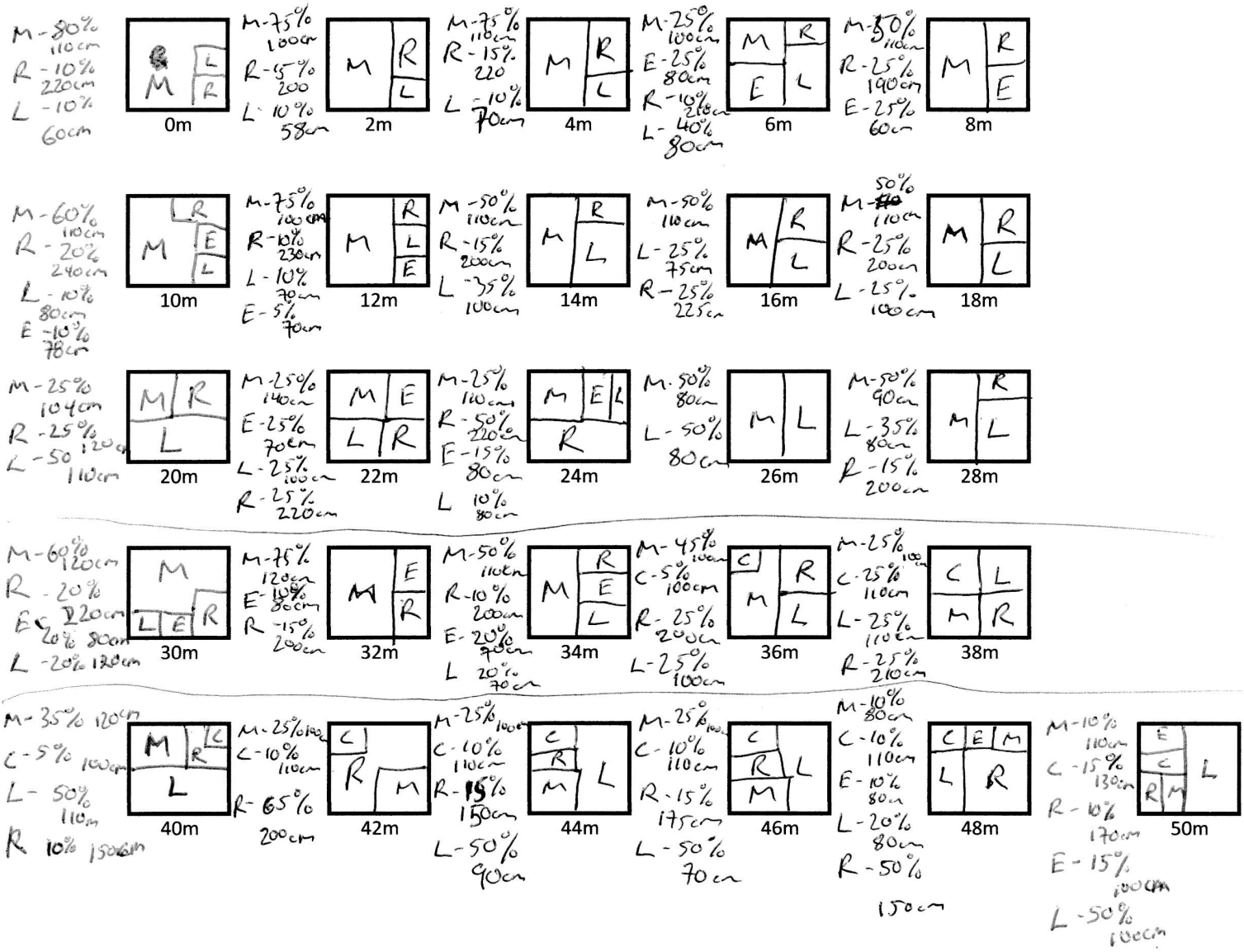
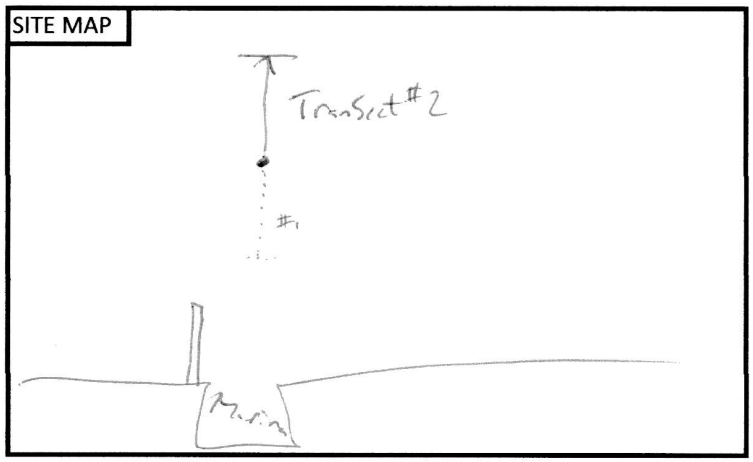
F = Filamentous Algea (Order: Zygnematales Genus: Spirogyra sp. and Zygnema sp.)

Transect # 1



Project: **UV Light Monitoring Macrophyte Survey**

Date: 16 July 17 Distance in M
Location: Ski Run channel Height in CM
Sampling Staff: Seth, Robin, Lorraine
Lake Level:
Boating Activity: Moderate
Weather Conditions: Sunny
Beaufort: 1
Water Temperature: ~60F



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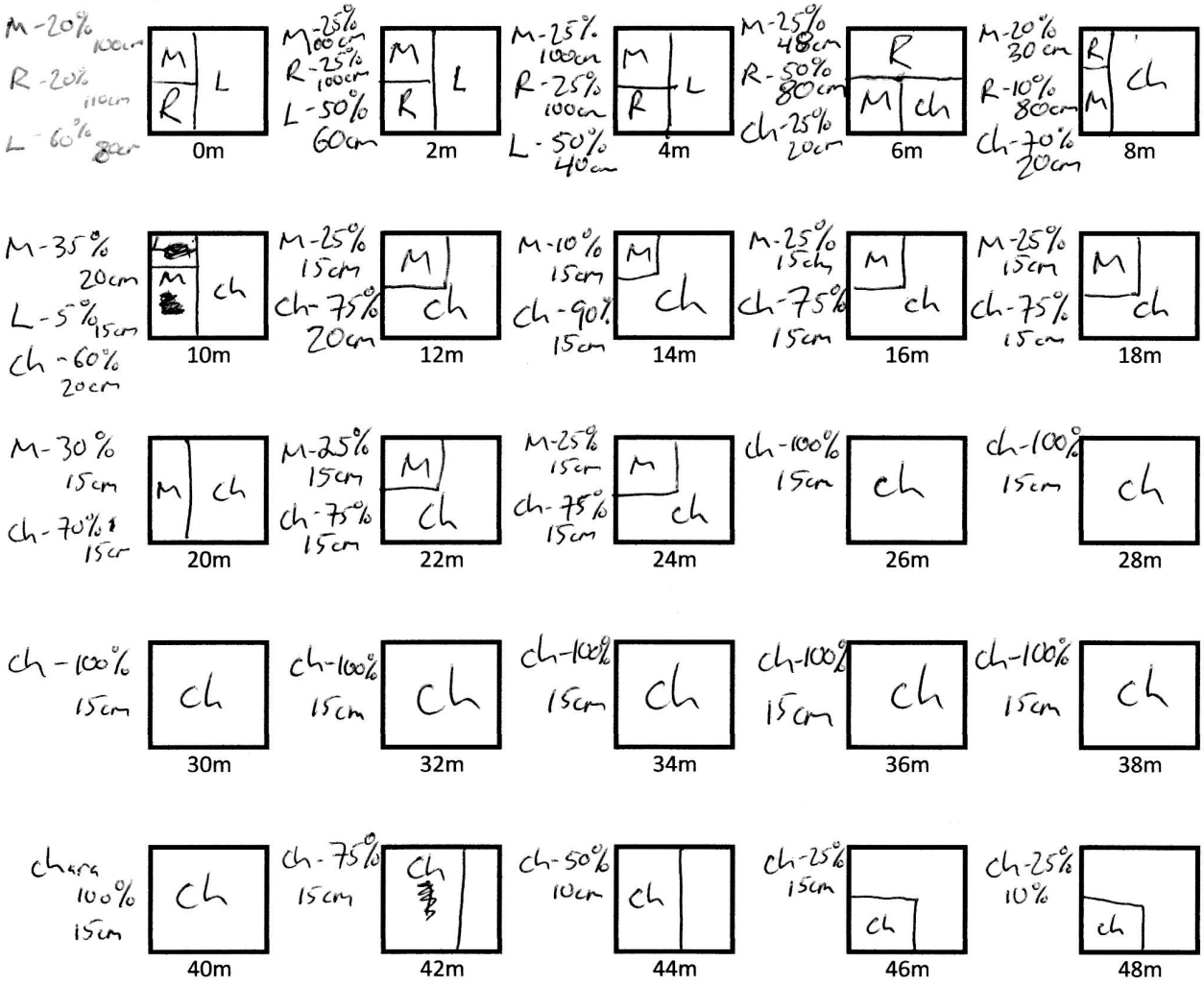
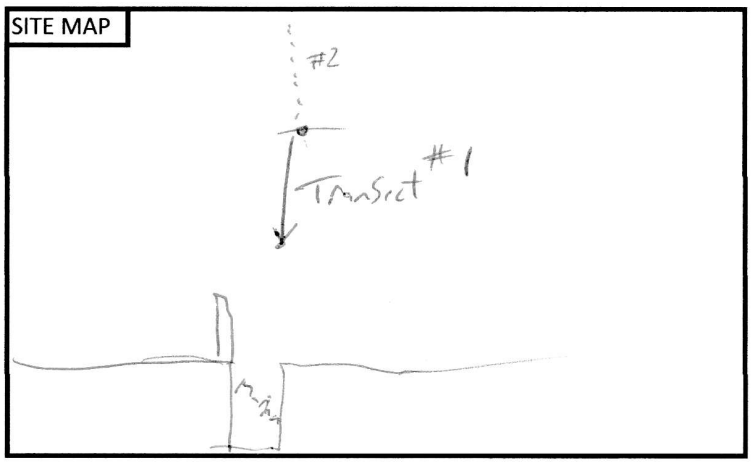
Transect # 2



Project: **UV Light Monitoring Macrophyte Survey**

Date: 16 July 17
Location: Ski Run channel
Sampling Staff: Seth, Robin, Corrine
Lake Level:
Boating Activity: Moderate
Weather Conditions: Sunny
Beaufort: 1
Water Temperature: 60 F

Distance in M
Height in CM



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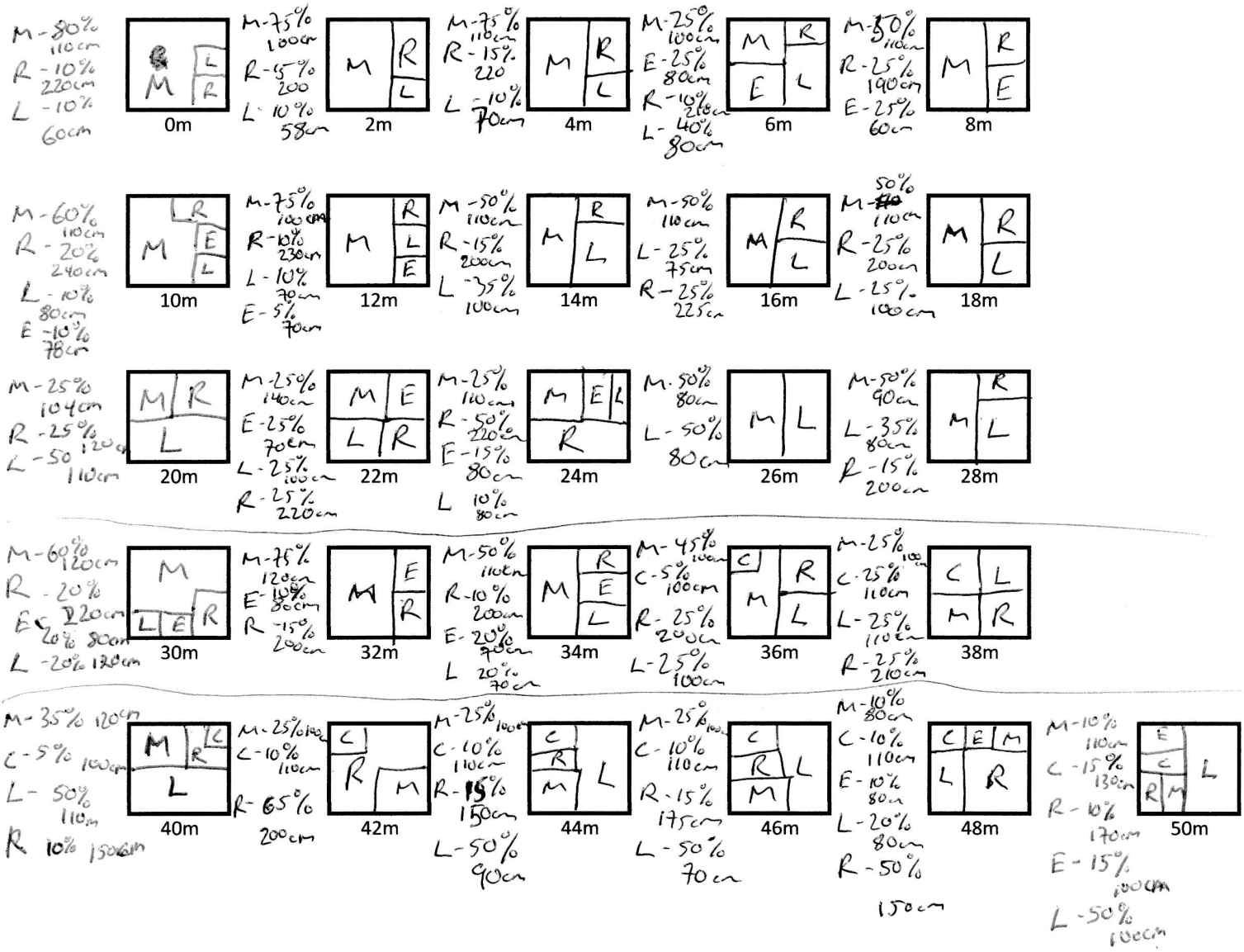
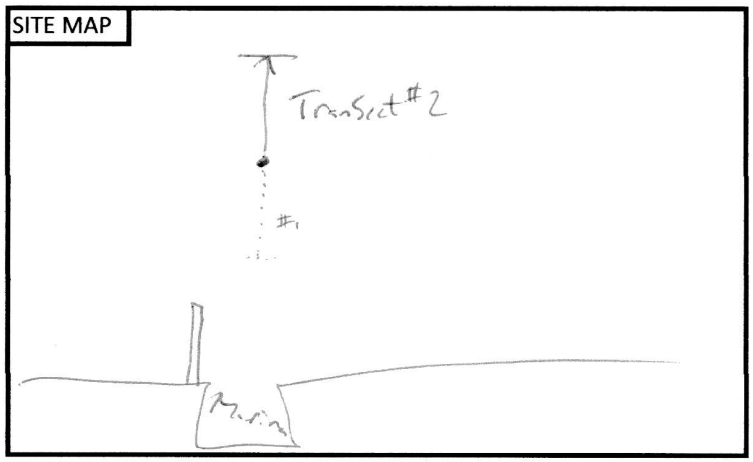
E = Elodea
S = Sago Pondweed
F = Filamentous Algea (Order: Zygnematales Genus: Spirogyra sp. and Zygnema sp.)

Transect # 1



Project: **UV Light Monitoring Macrophyte Survey**

Date: 16 July 17 Distance in M
Location: Ski Run channel Height in CM
Sampling Staff: Seth, Robin, Lorraine
Lake Level:
Boating Activity: Moderate
Weather Conditions: Sunny
Beaufort: 1
Water Temperature: ~60F



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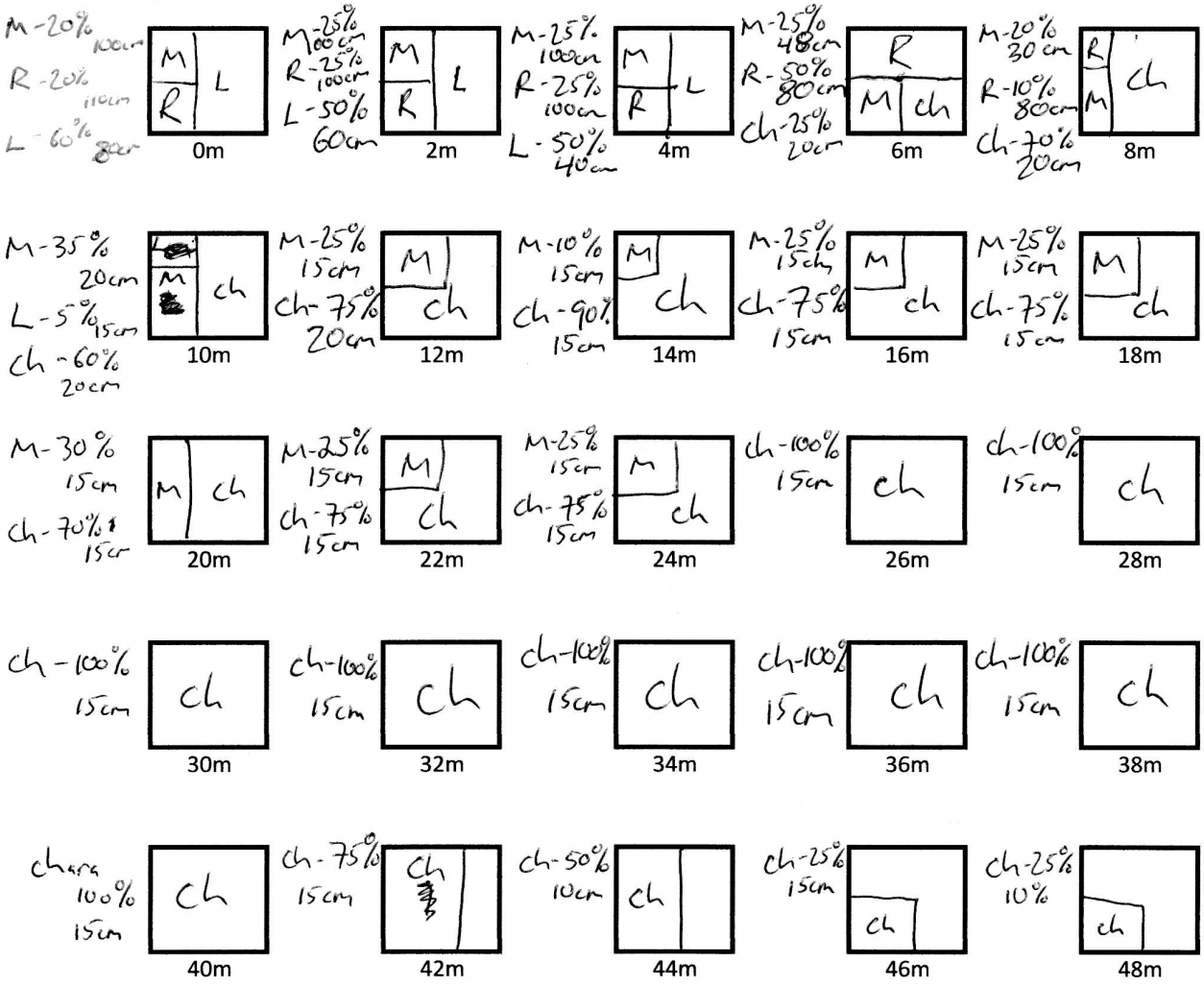
E = Elodea
S = Sago Pondweed
F = Filamentous Algea (Order: Zygnematales Genus: Spirogyra sp. and Zygnema sp.)

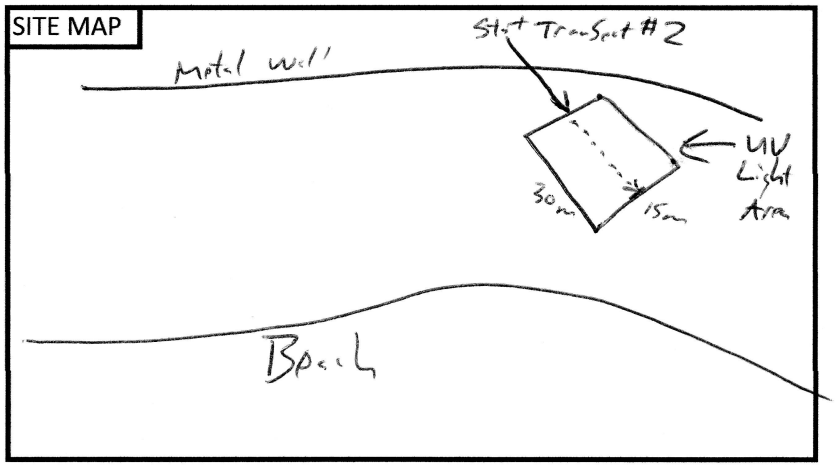
Transect # 2



UV Light Monitoring Macrophyte Survey

Date: 15 July 17
Location: LSB Swim Area
Sampling Staff: SSS, AFS, MRF
Lake Level:
Boating Activity: Light
Weather Conditions: Sunny
Water 65°F
Beaufort: 2

Distance in M
Height in CM



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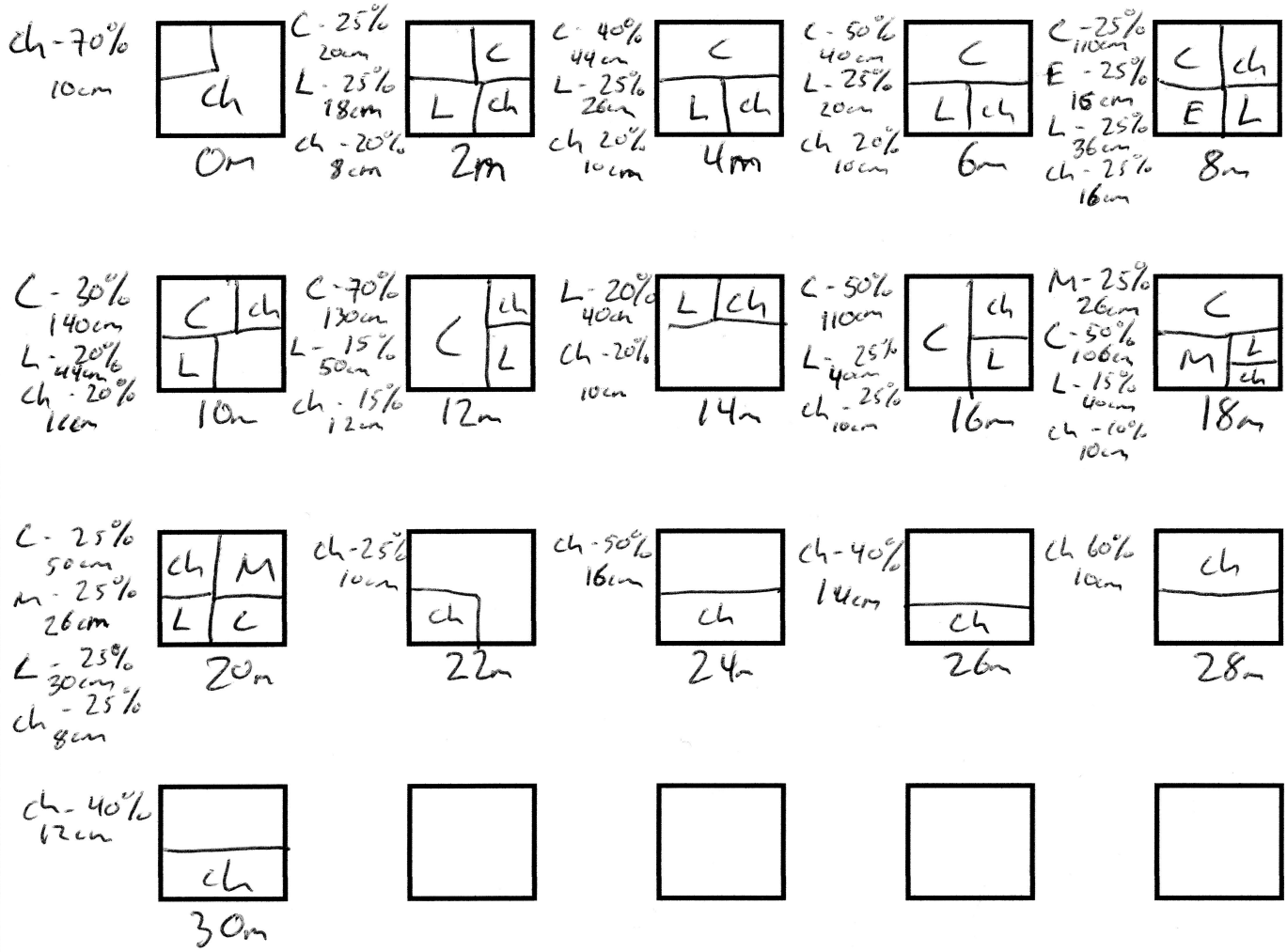
M = Eurasian Watermilfoil
R = Richardson's Pondweed
L = Leafy Pondweed

Co = Coontail
Ch = Chara
E = Elodea
S = Sago Pondweed
F = Filamentous Algea (Order: Zygnematales Genus: Spirogyra sp. and Zygnema sp.)

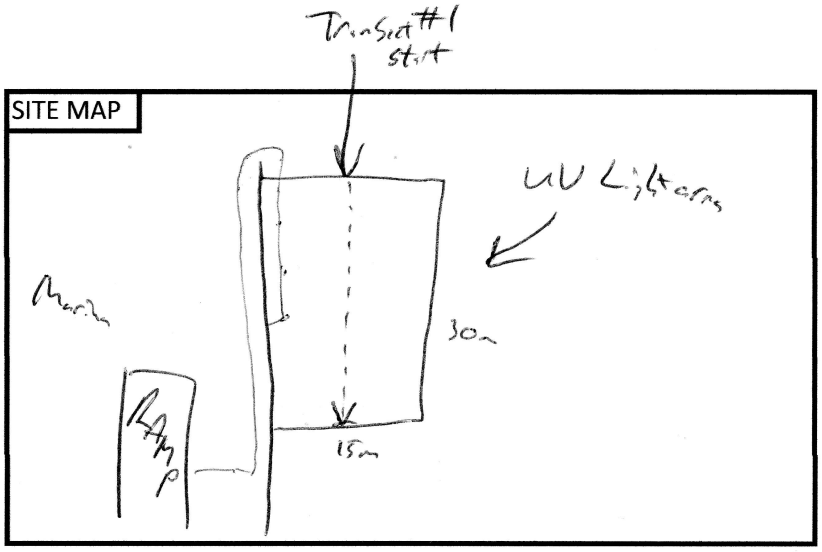
Transect # 2



UV Light Monitoring Macrophyte Survey

Date: 15 July 17
Location: LSB Taxi Area
Sampling Staff: SSS, RKS, MRF
Lake Level:
Boating Activity: Light
Weather Conditions: Sunny
Water: 65°F
Beaufort: 2

Distance in M
Height in CM



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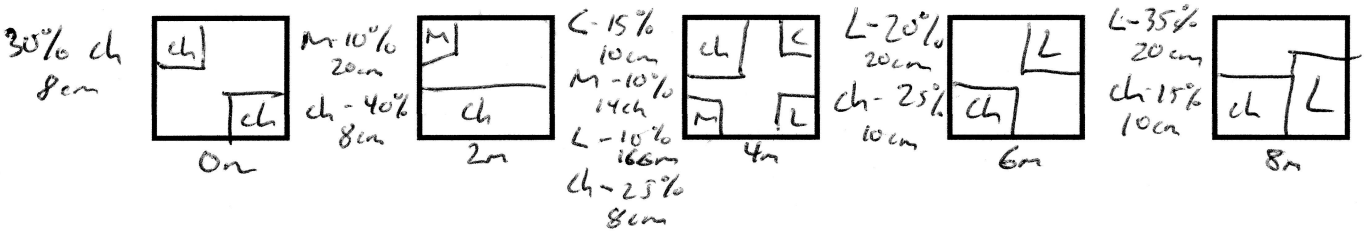
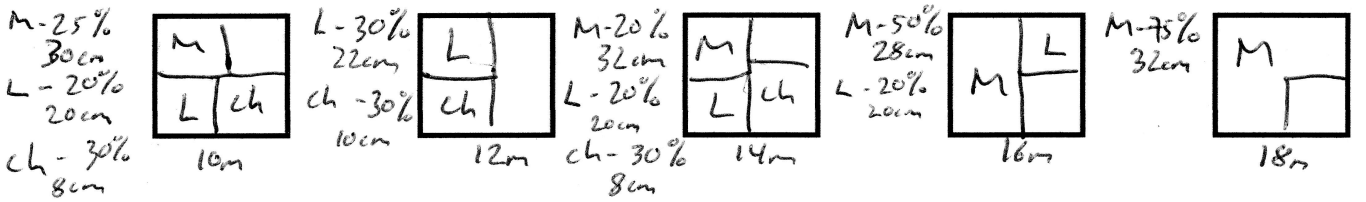
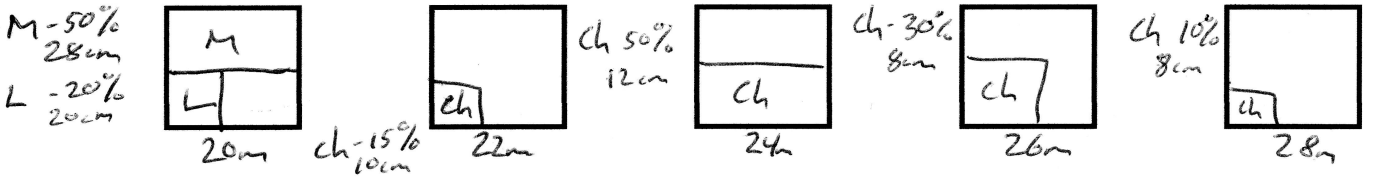
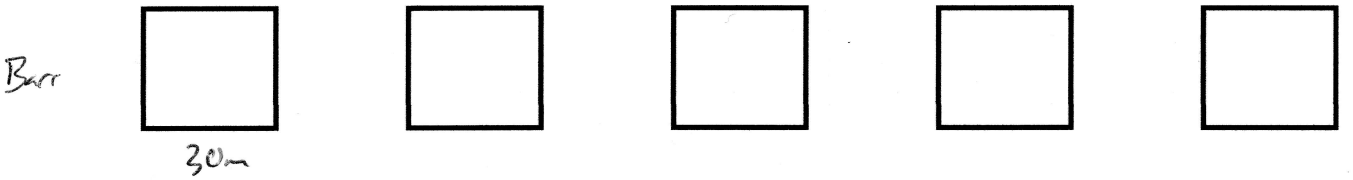
Ch = Chara
E = Elodea
S = Sago Pondweed
F = Filamentous Algea (Order: Zygnematales Genus: Spirogyra sp. and Zygnema sp.)

Transect # 1





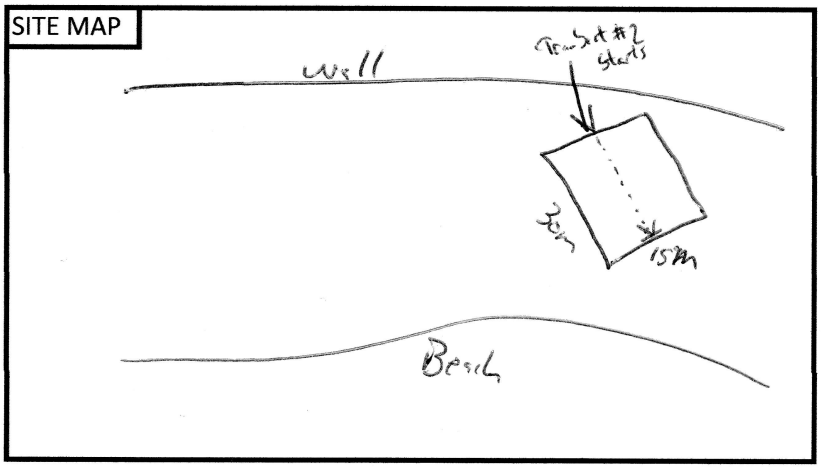




UV Light Monitoring Macrophyte Survey

Date: 8 oct 17
Location: LSB Swim Area
Sampling Staff: 555
Lake Level: 8.05'
Boating Activity: None
Weather Conditions: partly cloudy
Beaufort #2 56°F

Distance in M
Height in CM



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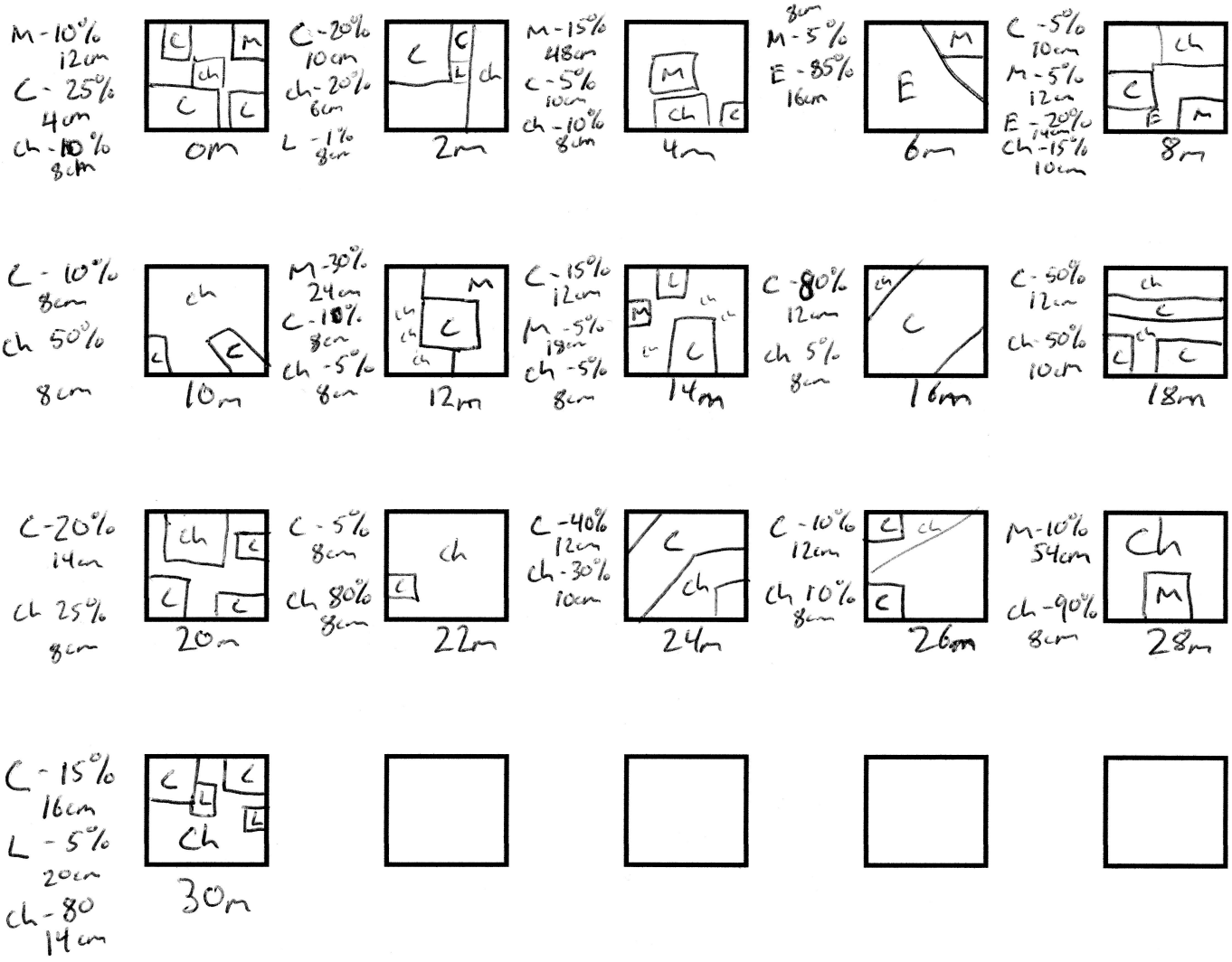
M = Eurasian Watermilfoil
R = Richardson's Pondweed
L = Leafy Pondweed
Co = Coontail
Ch = Chara
E = Elodea
S = Sago Pondweed
F = Filamentous Algea (Order: Zygnematales Genus: Spirogyra sp. and Zygnema sp.)

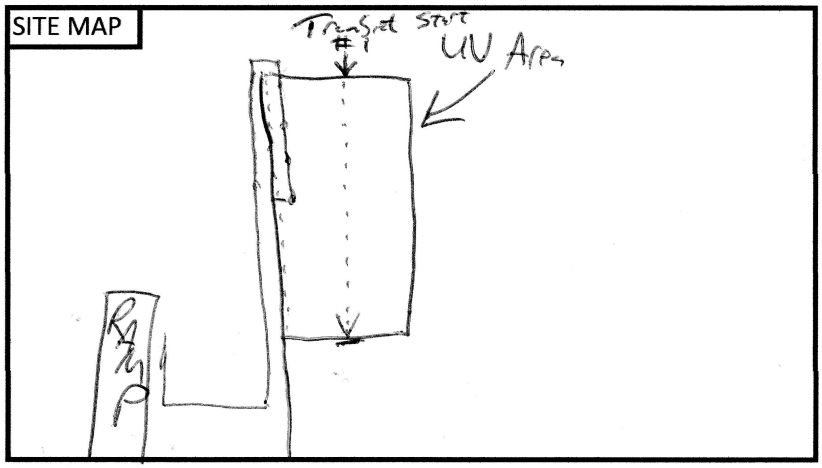
Transect # 2



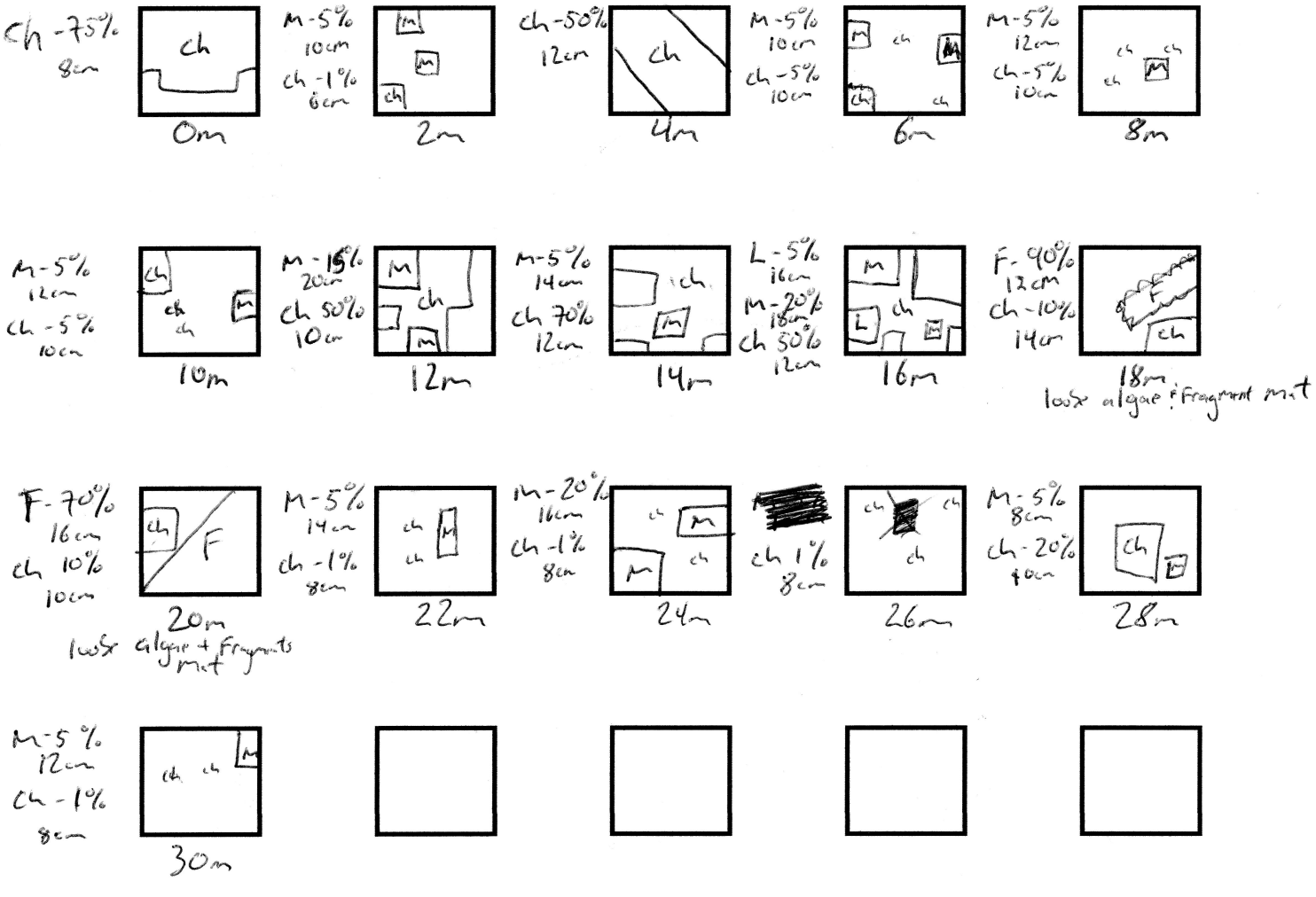
UV Light Monitoring Macrophyte Survey

Date: 8 oct 17
Location: LSB - Tax: Area
Sampling Staff: SSS
Lake Level: 8.05'
Boating Activity: None
Weather Conditions: Partly cloudy, Beaufort: 2
Water 56°F

Distance in M
Height in CM



C = Curlyleaf Pondweed
M = Eurasian Watermilfoil
R = Richardson's Pondweed
L = Leafy Pondweed

Co = Coontail
Ch = Chara
E = Elodea
S = Sago Pondweed
F = Filamentous Algea (Order: Zygnematales Genus: Spirogyra sp. and Zygnema sp.)

Transect # 1