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U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY
PLANT VARIETY PROTECTION OFFICE

EXHIBIT C

OBJECTIVE DESCRIPTION OF VARIETY
Meadowfoam (*Limnanthus* sp.)

NAME OF APPLICANT (S)	TEMPORARY OR EXPERIMENTAL DESIGNATION	VARIETY NAME
ADDRESS (Street and No. or RD No., City, State, Zip Code and Country)		FOR OFFICIAL USE ONLY
		PVPO NUMBER

PLEASE READ ALL INSTRUCTIONS CAREFULLY:

Place numbers in the boxes (e. g.,) for the characters that best describe typical plants of this variety.

1. MATURITY:

A. 50% Bloom: Date: _____ Location: _____

<input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>									
Number of Days from Planting				}	1 = Mermaid	2 = Other _____					
<input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>		Days Earlier Than					<input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>				
<input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>		Days Later Than					<input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>				
B. Ripe Seeds:				}	1 = Mermaid	2 = Other _____					
<input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>		Days Earlier Than					<input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>				
<input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>		Days Later Than					<input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>				

2. PLANT: (50% Bloom, Spaced Plants):

<input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>									
cm Height (Ground Level to Top)				}	1 = Mermaid	2 = Other _____					
<input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>		cm Shorter Than					<input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>				
<input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>		cm Taller Than					<input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>				
cm Width (Max Spread)				}	1 = Mermaid	2 = Other _____					
<input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>		cm Narrower Than					<input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>				
<input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>		cm Wider Than					<input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>				
<input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>				Grams per Plant at Maturity (Dry Weight, Ground Level to Top)							
<input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>		g Lighter Than		}	1 = Mermaid	2 = Other _____					
<input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>		g Heavier Than					<input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>				
<input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>		1 = Annual		2 = Biennial							

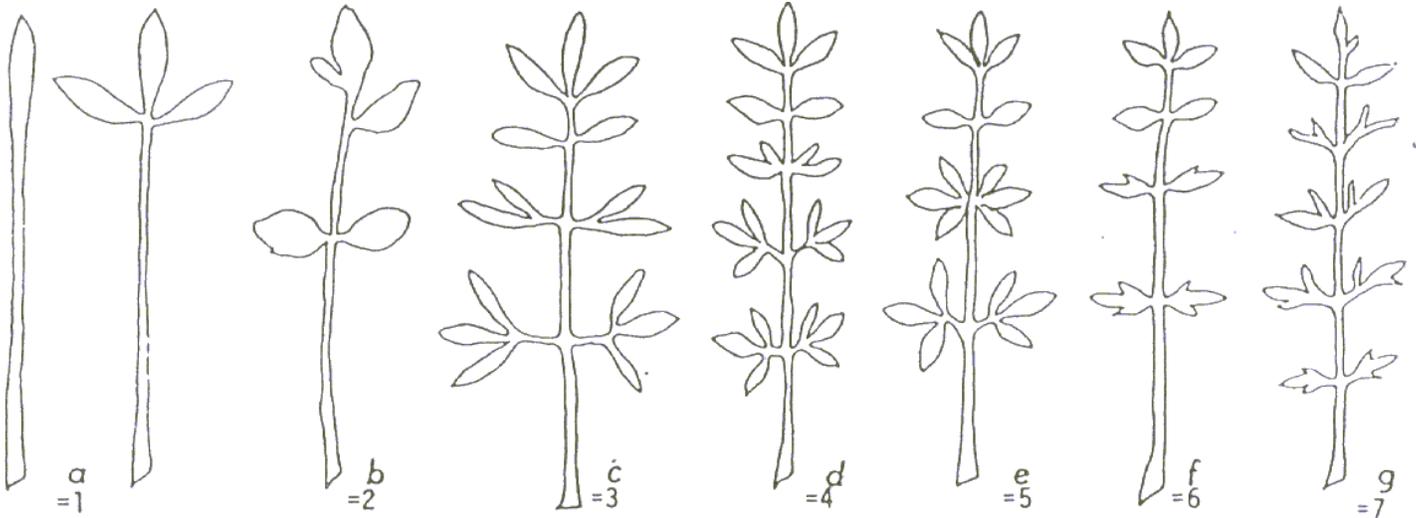
3. STEM:

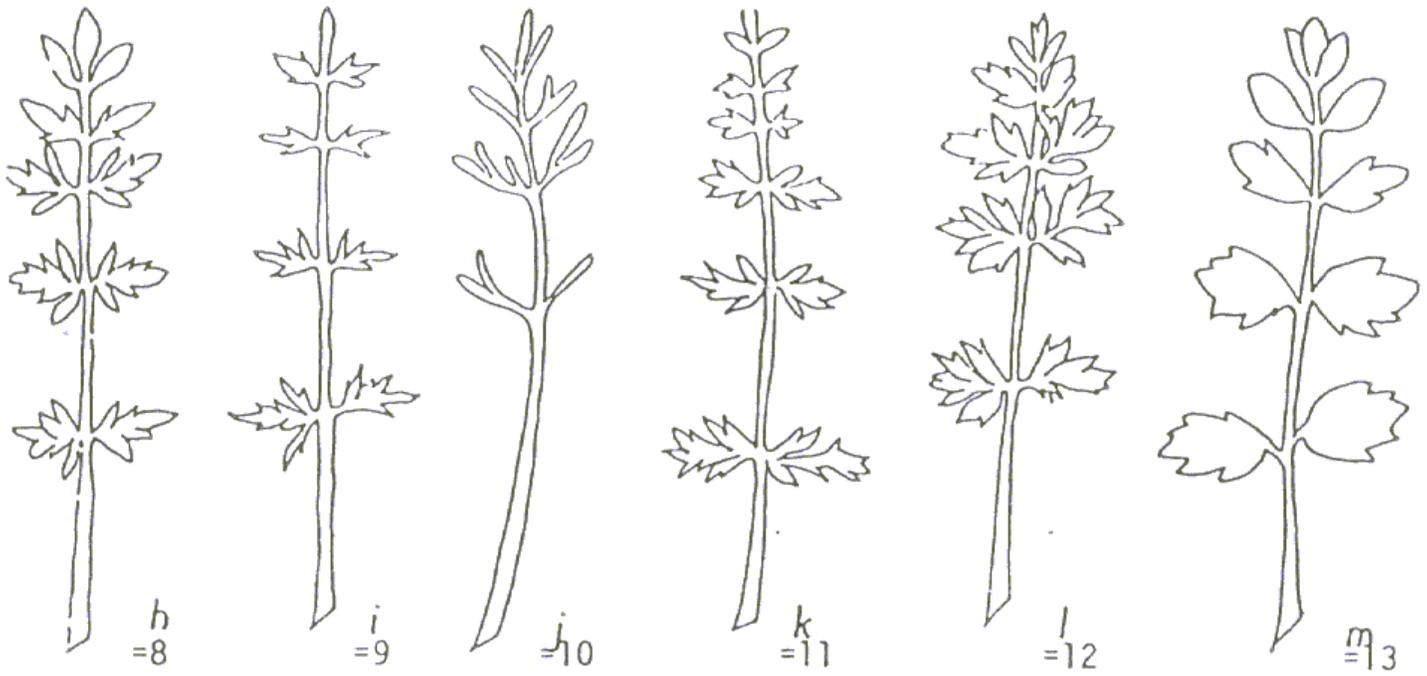
<input type="checkbox"/>	Surface:	1 = Glabrous	2 = Slightly Pubescent	3 = Pubescent	4 = Variable in Pubescence
<input type="checkbox"/>	Branching:	1 = Upper 2/3 of Stem	2 = From Soil Level to Top of Stem	3 = Other	
<input type="checkbox"/>	mm Diameter at Base (Spaced Plants)				
<input type="checkbox"/>	mm Thinner Than	<input type="checkbox"/>	} 1 = Mermaid 2 = Other _____		
<input type="checkbox"/>	mm Thicker Than	<input type="checkbox"/>			

4. LEAVES:

Leaflet Characteristics

<input type="checkbox"/>	Shape	1 = Linear	2 = Lanceolate	3 = Linear-Lanceolate	4 = Oblong-Lanceolate	5 = Oblong
		6 = Ovate	7 = Other (Specify) _____			
<input type="checkbox"/>	Surface:	1 = Glabrous	2 = Slightly Pubescent	3 = Pubescent	4 = Variable Within Variety	
<input type="checkbox"/>	Color:	1 = Lighter Than	2 = Darker Than	3 = Same as Mermaid		
<input type="checkbox"/>	mm Length					
<input type="checkbox"/>	mm Shorter Than	<input type="checkbox"/>	} 1 = Mermaid 2 = Other _____			
<input type="checkbox"/>	mm Longer Than	<input type="checkbox"/>				
<input type="checkbox"/>	mm Width					
<input type="checkbox"/>	mm Narrower Than	<input type="checkbox"/>	} 1 = Mermaid 2 = Other _____			
<input type="checkbox"/>	mm Wider Than	<input type="checkbox"/>				
<input type="checkbox"/>	Leaf Form = (1 – 13 from Drawings Below)					





Limnanthes leaf outlines:

(a). *L. vinculans*.

(b). *L. bakeri*.

(c). *L. floccosa pumila*.

(d). *L. gracilis gracilis*.

(e). *L. alba*.

(f). *L. floccosa floccosa*

(g). *L. Montana*.

(h). *L. maconii*.

(i). *L. d. striata*.

(j). *L. d. rosea*.

(k). *L. d. nivea*.

(l). *L. d. douglasii*.

(m). *L. d. sulphurea*.

5. FLOWERS: (At Anthesis)



mm Corolla Diameter



mm Petal Length



mm Petal Width (Widest Portion)



mm Sepal Length



Sepal Surface: 1 = Glabrous 2 = Slightly Pubescent 3 = Pubescent 4 = Variable within Variety



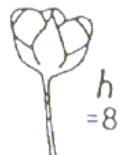
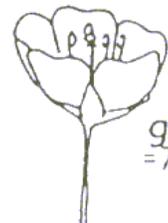
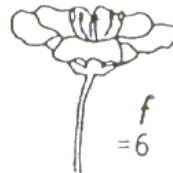
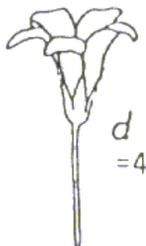
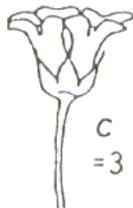
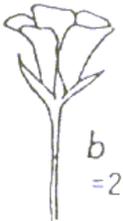
Color: 1 = Solid White 2 = Yellow with White Margin 3 = Solid Yellow 4 = Pink 5 = Other _____



Anther Color: 1 = Yellow 2 = White



Flower Shape: (1 – 8 from Drawings)



Limnanthes flowers: (a) *L. maconii*. (b) *L. bakeri*. (c) *L. gracilis gracilis*. (d) *L. striata*. (e) *L. floccosa floccosa*. (f) *L. douglasii rosea*. (g) *L. alba versicolor*. (h) *L. f. pumila*.

6. SEED:

<input type="checkbox"/> <input type="checkbox"/>	mm Length				
<input type="checkbox"/> <input type="checkbox"/>	mm Shorter Than	}	1 = Mermaid	2 = Other _____	
<input type="checkbox"/> <input type="checkbox"/>	mm Longer Than				
<input type="checkbox"/>	Color (Predominately)	1 = Light Brown	2 = Dark Brown	3 = Reddish Brown	4 = Tan
<input type="checkbox"/>	Surface:	1 = Smooth	2 = Moderately Ribbed	3 = Deeply Ribbed	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Grams per 1000 Seeds				
<input type="checkbox"/> <input type="checkbox"/>	Grams Lighter Than	}	1 = Mermaid	2 = Other _____	
<input type="checkbox"/> <input type="checkbox"/>	Grams Heavier Than				

7. DISEASE, INSECT, AND NEMATODE REACTION: (0 = Not Tested, 1 = Susceptible, 2 = Resistant)

<input type="checkbox"/>	<i>Botrytis Cinerea</i>
<input type="checkbox"/>	Other (Specify Species) _____

8. INTERNAL CONSTITUENTS: (Give Solvent Used in Extraction _____)

<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	% Oil (Seeds-Dry wt.)	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	% C20 Monoene	Range _____
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	% C22 Monoene	Range _____
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	% C22 Diene	Range _____

9. POLLINATION:

<input type="checkbox"/> <input type="checkbox"/>	1 = Insect Pollination Required	2 = Seed Yields Increased with Insect Pollination	3 = Insect Pollination Not Required
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10. ADDITIONAL INFORMATION: Such as daylength and/or temperature sensitivity affecting maturity. Describe all characteristics that cannot be adequately described in the form above, in Exhibit D.