## **Plant Propagation Protocol for** *Chamerion latifolium (Epilobium latifolium)* (dwarf fireweed) ESRM 412 – Native Plant Production Spring 2008

TAXONOMY		
Family Names		
Family Scientific	Onagraceae	
Name:		
Family Common	Evening Primrose Family	
Name:		
Scientific Names		
Genus:	Chamerion	
Species:	latifolium	
Species Authority:	(L.) Holub	
Variety:		
Sub-species:		
Cultivar:		
Authority for		
Variety/Sub-		
species:		
Common	Epilobium latifolium, Chamaenerion latifolium, Chamerion subdentatum	
Synonym(s):		
Common Name(s):	Dwarf fireweed, alpine fireweed, broadleaf willowherb, river-beauty [1]	
Species Code (as	CHLA13	
per USDA Plants		
database):		
	GENERAL INFORMATION	
Geographical range:	PLANTS DATA DE LA CHERTA DELLA CHERTA DELLA CHERTA DE LA CHERTA DE LA CHERTA DE LA CHERTA DELLA	
Ecological	Damp areas such as damp slopes, margins of streams, and river gravels [2]	
distribution:		

Climate and	Wooded areas, semi-shade, cultivated beds [2]; Can grow at sea-level and
elevation range	even found at regions around 5000m [3]
Local habitat and	Common and abundant [3]
abundance:	
Plant strategy type:	Weedy/Colonizer; Thrives best when the competition has been greatly
	reduced. [3]
Plant	Die at the end of each growing season [3], plants perennial herbs [3]
characteristics:	
	PROPAGATION DETAILS
Ecotype:	Sandy areas, especially on roadsides and river bars [4]
Propagation Goal:	Plants
Propagation	Seed
Method:	
Product Type:	Container (Plug)
Stock Type:	Not available.
Time to Grow:	Not available.
Target	Root trainer, 10.5 cubic inches per cell. A firm root plug and multiple
Specifications:	leaves. [4]
Propagule	When the capsule begins to show signs of opening, collection of seeds will
Collection:	begin. Most of the seeds seem to be captured by hand and put into a
	bucket. The seeds turn golden when ripe at approximately the end of July.
	[4]
Propagule	Air dry works best while cleaning consists of three steps; Using a brush
Processing:	cleaner, a hand screen, and an air separator. The seeds are then stored in a
	freezer. [4]
Pre-Planting	In the fall, two seeds per cell are planted using facultative soil mix. A
Propagule	cold/moist stratification works best with ambient temperature changes. [4]
Treatments:	
Growing Area	In spring, the cells should be brought into a greenhouse. Then let the seeds
Preparation:	germinate for about 10 days. [4]
Establishment	After the last frost, plants should be moved to a lathhouse. They then
Phase:	should be fertilized rarely after true leaves appear. [4]
Length of	Two months.
Establishment	
Phase:	NT-4 11-11-
Active Growth Phase:	Not available.
	Not available.
Length of Active Growth Phase:	inot available.
	Not available.
Hardening Phase:	Not available.
Length of	inot available.
Hardening Phase:	
	Not available.
Harvesting, Storage and	Thot available.
Shipping (of	

seedlings):			
Length of Storage	Not available.		
(of seedlings,			
between nursery			
and outplanting):			
Guidelines for	Not available.		
Outplanting:			
Other Comments:	Not available.		
INFORMATION SOURCES			
References (full	1. USDA, ARS, National Genetic Resources Program.		
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Protocol Author	Charlotte Campbell
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name):	
Date Protocol	05/13/2008
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(MM/DD/YY):	

Note: This template was modified by J.D. Bakker from that available at: http://www.nativeplantnetwork.org/network/SampleBlankForm.asp (Burke Museum of Natural History and Culture, 2006)