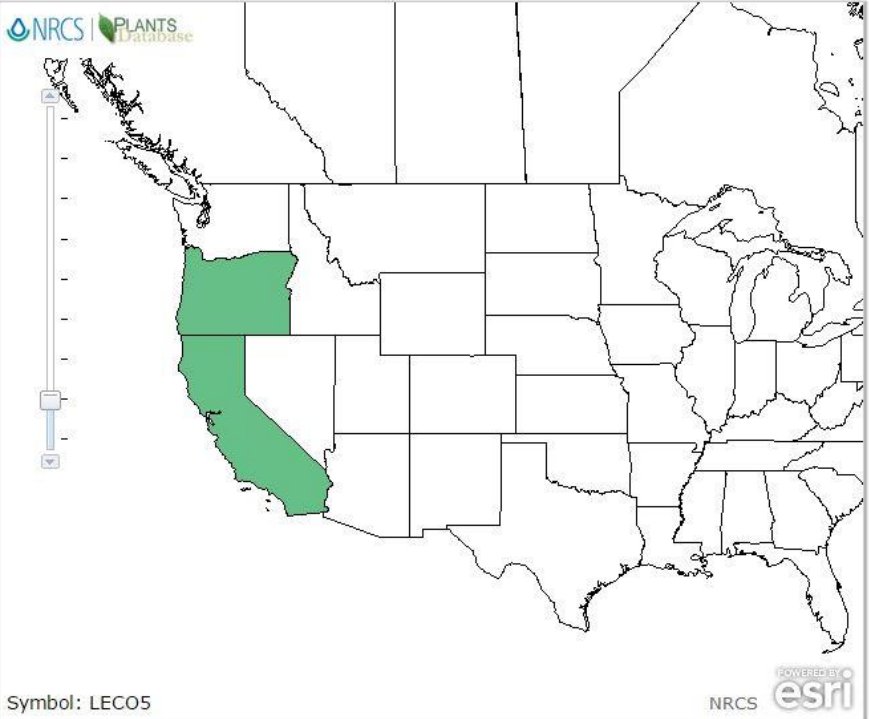


Plant Propagation Protocol for [*Lewisia cotyledon*]

ESRM 412 – Native Plant Production

Protocol URL: [https://courses.washington.edu/esrm412/protocols/\[LECO.pdf\]](https://courses.washington.edu/esrm412/protocols/[LECO.pdf])

***Lewisia cotyledon* (Portulacaceae)**

TAXONOMY	
Plant Family	
Scientific Name	Portulacaceae
Common Name	Purslane family
Species Scientific Name	
Scientific Name	<i>Lewisia cotyledon</i> (S. Watson) B.L. Rob.
Varieties	<i>Lewisia cotyledon</i> (S. Watson) B.L. Rob. var. <i>cotyledon</i> Siskiyou lewisia
Sub-species	
Cultivar	
Common Synonym(s)	
Common Name(s)	Siskiyou lewisia Cliff Maids
Species Code (as per USDA Plants database)	LECO
GENERAL INFORMATION	
Geographical range	 <p>Symbol: LECO5</p>

Ecological distribution	Rock garden plant found in high elevations on or near granite outcrops of rocky areas (California Flora Nursery).
Climate and elevation range	High
Local habitat and abundance	Cliff, Mountain as well as Yellow pine or red fir forests (EOL).
Plant strategy type / successional stage	Plant in partly shady to full sun areas with medium moisture (Fine Gardening). <i>Lewisia cotyledon</i> requires infrequent watering type through a period of every 4-6 weeks. Prefers moderately fertile, and sharply drained soils that are humus-rich (California Flora Nursery). Protect from winter moisture (The Garden Helper).
Plant characteristics	<i>Lewisia cotyledon</i> grows to be about 6-12 inches in height with similar dimensions for its spread. It blooms in the late spring to early summer time with flower colors ranging from white, pink, and orange while maintaining an evergreen foliage (Fine Gardening).
PROPAGATION DETAILS	
Ecotype	
Propagation Goal	Cuttings
Propagation Method	Vegetative
Product Type	Containers or plugs
Stock Type	
Time to Grow	Removal and replanting offsets is best conducted in the Spring or early Summer.
Target Specifications	
Propagule Collection Instructions	Remove a section from the thick portion of the stem.
Propagule Processing/Propagule Characteristics	
Pre-Planting Propagule Treatments	
Growing Area Preparation / Annual Practices for Perennial Crops	<p>If there are roots attached to the stem, it can be potted immediately and kept watered and under shade until it has a thoroughly established root system. Cut pieces without roots should be dipped into a rooting hormone. It is best to keep the cutting in a clean and sharp sand until a root system has been established (Schmidt).</p> <p>Container size is recommended to be 6-8 inches in diameter for a single plant (Home Guides).</p>
Establishment Phase Details	
Length of Establishment Phase	
Active Growth Phase	

Length of Active Growth Phase	
Hardening Phase	
Length of Hardening Phase	
Harvesting, Storage and Shipping	
Length of Storage	
Guidelines for Outplanting / Performance on Typical Sites	You may see flowering in the new plant within the following year or flowering may take up to two years (Schmidt).
Other Comments	
INFORMATION SOURCES	
References	<p>"How to Grow and Care for Bitter Root Plants." Bitter Root Lewisias, How to Grow and Care for a Lewisia Cotyledon. The Garden Helper, n.d. Web. 18 May 2015.</p> <p>"How to Plant Lewisia Cotyledon." Home Guides. Demand Media, n.d. Web. 18 May 2015.</p> <p>"Lewisia Cotyledon." Fine Gardening. Taunton Home and Gardening Network, n.d. Web. 18 May 2015.</p> <p>"Lewisia Cotyledon Hybrid Mixture." Plant Profile for. Valleybrook International Ventures Inc., n.d. Web. 18 May 2015.</p> <p>"Lewisia Cotyledon." Lewisia Cotyledon. California Flora Nursery, n.d. Web. 18 May 2015.</p> <p>"Natives." Lewisia. Fiddleface Web Design, n.d. Web. 18 May 2015.</p> <p>"PlantFiles: Lewisia, Cliff Maids, Siskiyou Lewisia, Siskiyou Bitterroot." Dave's Garden. An International Brand's Inc., n.d. Web. 18 May 2015.</p> <p>"Plants Profile for Lewisia Cotyledon Cotyledon (Siskiyou Lewisia)." Plants Profile for Lewisia Cotyledon Cotyledon (Siskiyou Lewisia). USDA, n.d. Web. 18 May 2015.</p> <p>Schmidt, Marjorie G. "Growing California Native Plants." Google Books. University of California Press, n.d. Web. 18 May 2015.</p>
Other Sources Consulted	
Protocol Author	Arthur Ung

Date Protocol Created or Updated	May 18, 2015
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