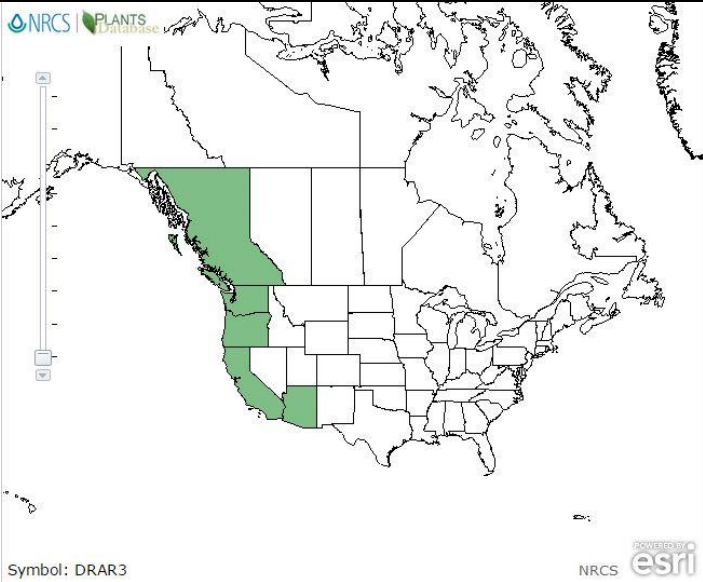


Plant Propagation Protocol for [*Dryopteris arguta*]
 ESRM 412 – Native Plant Production

TAXONOMY	
Plant Family	
Scientific Name:	<i>Dryopteridaceae</i>
Common Name:	Wood Fern Family
Species Scientific Name	
Scientific Name	<i>Dryopteris arguta</i>
Varieties	N/A
Sub-species	N/A
Cultivar	N/A
Common Synonym(s)	<i>Dryopteris arguta</i> (Kaulf.) Watt
Common Name(s)	Coastal Woodfern
Species Code (as per USDA Plants database)	DRAR3
GENERAL INFORMATION	
Geographical range	 <p>Symbol: DRAR3 From: USDA PLANTS Database (1)</p>
Ecological distribution	Evergreen forests, oak wood lands and low elevation woodlands.
Climate and elevation range	Sea level to 6,000 feet in elevation.(4)
Local habitat and abundance	Normally found on north side of slopes and shady valley (3). Under story of <i>Quercus chrysolepsis</i> , <i>Quercus agrifolia</i> , <i>Umbellularia californica</i> , <i>Acer macrophyllum</i> , <i>Pseudotsuga menziesii</i> , <i>Quercus garryana</i> , <i>Arbutus menziesii</i> .
Plant strategy type / successional stage	Very drought tolerant, fire-retardant, resistant to deer.(4) (2)
Plant characteristics	More sun tolerate than other fern in PNW.

PROPAGATION DETAILS	
Ecotype	Understory species, costal wood slops. (3)
Propagation Goal	Plants
Propagation Method	Vegetative
Product Type	Container
Stock Type	Small pot
Time to Grow	1 to 5 years.
Target Specifications	6 to 12 inch tall (2)
Propagule Collection Instructions	Take out whole plant and make sure do not damage the root. Then use your hands carefully divide them right in the middle. (6)
Propagule Processing/Propagule Characteristics	N/A
Pre-Planting Propagule Treatments	N/A
Growing Area Preparation / Annual Practices for Perennial Crops	Grows under low to medium light in moist-dry garden soil or potting mix with good drainage.(4) Grow better in slight acid soil pH:6 to 7. (2)
Establishment Phase Details	N/A
Length of Establishment Phase	N/A
Active Growth Phase	N/A
Length of Active Growth Phase	N/A
Hardening Phase	N/A
Length of Hardening Phase	N/A
Harvesting, Storage and Shipping	N/A
Length of Storage	N/A
Guidelines for Outplanting / Performance on Typical Sites	Plant them as soon as possible after division. (6)
Other Comments	This species is very difficult to grow.(4)
INFORMATION SOURCES	
References	(1) U.S. Department of Agriculture. Plants Profile. NCRS. 26 Apr. 2015 (2) Dave's Garden. Detailed information on Costal woodfern. June 2006. (3) Everett, Thomas H. 1980. The New York Botanical Garden Illustrated (4) Encyclopedia of Horticulture. Garland Publishing, New York, New York. (5) Leigh, Michael. 1999. Grow Your Own Native Landscape. Washington State, University Press, Olympia, Washington. (6) Foster, F G. Ferns to Know and Grow. New York: Hawthorn Books, 1984
Other Sources Consulted	N/A
Protocol Author	Tianyang Xu
Date Protocol Created or Updated	04/26/2015

