## Guide to Fern Identification

- 1. Identify the type of frond using the drawings & descriptions below
- 2. Start with each of the #1 phrases and go through the list until you get a "yes" description
- 3. If there are additional numbers below #1, go to all of the #2 descriptions until you get a "yes"

	SIMPLE undivided  PINNATIFID  cut nearly to the midvein but not quite	1. Like branched green sticks, to 6" or more, often in clumps
LOW WHITH WHITH WAR	PINNATE blades divided into leaflets; each leaflet narrowly attached to the main axis	1. Fronds really large (6' or more); pinnae wide, leathery, smooth, and relatively thick
		1. No small tuft of rusty-brown hairs at pinna base; sori on underside of pinnae  2. Frond upperside smooth with no or very few hairs  3. Pinnules cut halfway to midvein, rounded; shiny

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- 4. Continue until you run out of numbers. Your last "yes" description is identifies the fern.

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BIPINNATE	1. Openly branched fronds; spores on separate stalk at tip of blade Osmunda regalis
blades divided into leaflets;	
each leaflet has its own leaflets	
BIPINNATE- PINNATIFID  blades divided into leaflets;  each leaflet has its own <u>cut</u> leaflets	1 Large; blade branches into more branches; lobes of pinnae evenly rounded, smooth-edged 2. Fronds stiff; each blade branches into 3 more
PALMATE hand-like	1. Frond 1-2" long; form thick climbing mats ( <i>exotic</i> )
WATER FERNS floating on water surface or rooted under surface	1. Fronds round, fingertip-sized, hairy, bent in middle; in loose mats

Notes:

## Commonly used terms: