

SOUTHERN CALIFORNIA NINOE (LUMBRINERIDAE)

SPECIES	MAXIMUM # OF BRANCHIAL FILAMENTS	SETIGERS WITH BRANCHIAE	FREE PECTINATE BRANCHIAE	TYPE OF SUPERIOR FILAMENT	SETIGER W/ 1ST HOOK
<u>chilensis</u> Kinberg, 1865*	9-10	3rd thru 30th	No	Same as others	By 10th-12th
<u>foliosa</u> Fauchald, 1972	12-13	2nd thru 36th	Yes	Foliose	25th thru 30th
<u>fusca</u> Moore, 1911	1	1st thru 40th	---	-----	45th or more
<u>fuscoides</u> Fauchald, 1972+	1	2nd thru 30th	---	-----	1st
<u>gemmea</u> Moore, 1911	3(2-5)**	3rd thru 50th	No	Same as others	1st
<u>longibranchia</u> Fauchald, 1972+	6	2nd thru 18th	Yes	2x length of others	1st
sp. A Harris (see below)	5-11	2nd thru 43rd	Varies	Foliose	4th thru 14th

\* N. chilensis has been reported from Southern California, but the specimens I've seen have been sp. A

+ N. fuscoides & N. longibranchia have been collected from Oregon and western Mexico, both are likely to occur here; N. longibranchia has been tentatively identified locally.

\*\*N. gemmea was reported by Hartman (1968) as having 3 filaments (excluding the postsetal lobe, which is considered the dorsalmost branchial filament by some authors); Moore (1911) says 3, occasionally 4 filaments; Banse & Hobson (1974) state 2 to 5 filaments

NINOE SP. A

SPECIMEN - #	MAXIMUM # FILAMENTS	SIZE (MM) (LENGTH X WIDTH)	TOTAL # SETIGERS**	SETIGERS W/ BRANCHIAE	PECTINATE FREE PORTION	SUPERIOR FILAMENT	SETIGER * 1ST HOOK
Pt. Dume - 13	5	4 x 0.8	30 (inc.)	3-18	No	1/3 longer	4
Pt. Dume - 14	5	5 x 0.6	40 (inc.)	3-19	No	1/3 longer	by 7
Santa Monica - 3	6	12 x 1.0	90 (com.)	3-27	No	foliose	8
Aliso - 10	8	9 x 1.5	70 (inc.)	3-32	No	Slightly wider	11
Santa Monica - 2	8	13 x 1.1	100 (com.)	2-30	No	Foliose	9
Santa Monica - 8	8	14 x 1.1	120 (com.)	2-32	Yes	Foliose	?
Santa Monica - 5	10	11 x 1.1	70 (inc.)	2-34	No	Foliose	6
Orcosan - 4	10	16 x 1.1	110 (inc.)	2-40	No	Foliose	12
Santa Monica - 7	11	7 x 1.5	30 (inc.)	2-33+	Yes	Foliose	?
Aliso - 9	11	19 x 1.6	120 (com.)	3-40	Yes	Foliose	?
Aliso - 11	11	22 x 1.8	120 (com.)	3-41	No	Foliose	11
Santa Monica - 6	11	23 x 1.8	130 (com.)	2-43	Yes	Foliose	6
Aliso - 12	11	23 x 1.8	140 (com.)	3-42	No	Foliose	9
Santa Monica - 16-22 (6 from 1 station)	5 to 11	5 to 21 by 0.8 to 1.8	40 to 120 (inc. & com.)	3-20 to 2-40	No and Yes	Foliose/ 1/3 longer	5 to 11

The present specimens come from between Oceanside and Point Dume, from 60 meters or shallower. Characters used for identification show much greater variation than in previously described species. This variation appears to be size-related. Whether Sp. A is a discrete species or a complex of several known or undescribed species will depend on its comparative jaw structure and setal composition.

\*Includes postsetal lobe (also called the dorsal cirrus or dorsalmost branchial filament)

\*\*approximately.