



## City of San Francisco Provisional Species Sheet

Species: *Spio butleri*  
 Authority: Berkeley & Berkeley, 1954  
 Common Synonyms: *Spio* sp. SF1

Voucher #: P680  
 Taxa: Polychaeta: Spionidae  
 Date: 04 Oct. 00  
 By: Dot Norris  
 Species Code: 1807

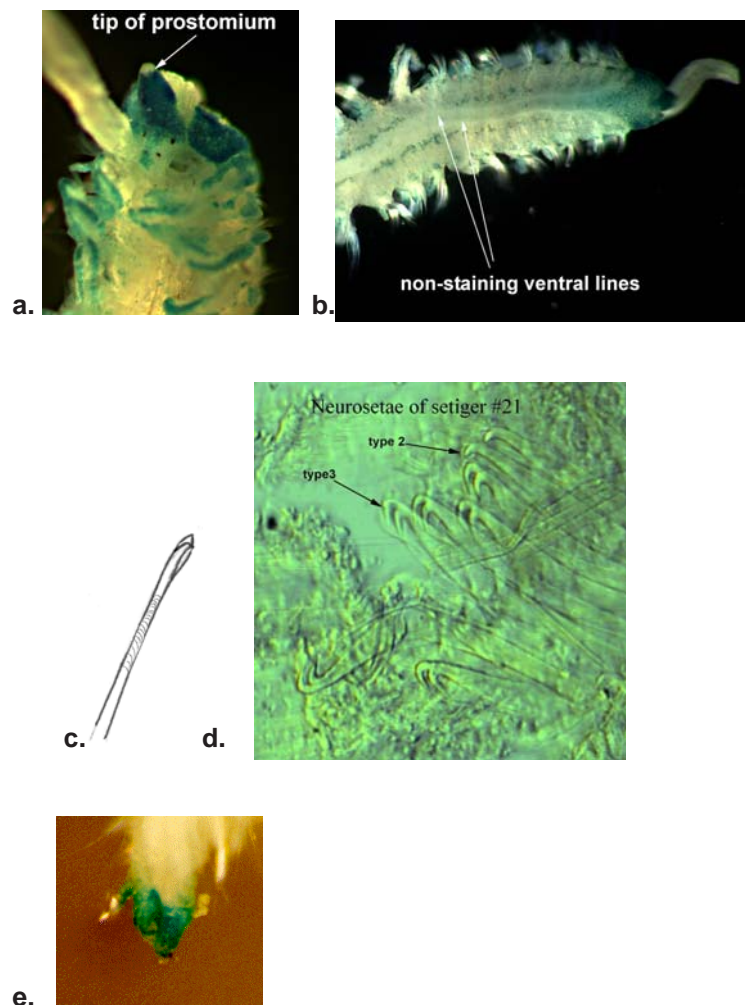
## Voucher Information

SERIAL NUMBER	STATION	SAMPLE DATE	NUMBER OF SPECIMENS	COMMENTS/NOTES
SWOOA122	51	20 Sep 99	1	.5 mm sieve, specimen at IBMV (Russia) paratype
SWOOA114	43	22 Sep 99	1	specimen is holotype at LACM-AHF
SWOOA120	49	23 Sep 99	2	.5 mm sieve, 1 specimen whole including pygidium
SWOOA120	49	23 Sep 99	1	1.0 mm sieve

## Characters:

- Prostomium pointed with 4 black eyes in posterior half, stains dark except for tip (a) and around the posterior eyes with methyl green. Peristomium also stains dark.
- Branchiae start on the 1st setiger fused basally with the dorsal cirrus and are connected across the dorsum by a ridge.
- Ventrum stains except for two longitudinal lines that extend the entire length of the body (b).
- Neuropodial hooks three types:
  1. hooded simple hooks starting in the inferior position about setiger 12. Under close examination, these have serrated shafts and are approximately half the thickness of the other types, (c),
  2. in the middle position are normal bifid hooded hooks, numbering up to 6 in each facicle. The main fang is much thicker than the distal fang (d), and
  3. strongly recurved hooded hooks, again about 6 per facicle, which are twice as thick as the notosetae, and starting from about setiger 18 (d). Both fangs are subequal in size and become less recurved in more posterior segments.
- Parapodial lobes are simple and stain dark throughout most of the body.
- Pygidium has two fleshy cirri which stain dark (e).

## Illustrations:



Photos courtesy of Kelvin Barwick and Rick Rowe of the San Diego Biology Lab.