

S2 Table. Counts of *Leptasterias* sp. found in pre-2011 monitoring surveys and 2012 post-event surveys at many of the same sites, in 0.25 m² quadrats placed randomly in mid-to-low intertidal zones. All zeros correspond to post-event samples within the die-off zone.

Site Name	Site Latitude	Site Number ^a	Survey year	Count	Area surveyed (m ²)
Point Arena	38.943	NA	2010	12	3
Stornetta	38.938	NA	2004	12	5.5
Stornetta	38.938	NA	2007	10	3
Arena Cove	38.915	2	2012	7	13.25
Moat Creek	38.881	3	2010	10	4
Moat Creek	38.881	3	2012	20	25
Iversen/Saunders Reef	38.850	4	2010	6	6
Iversen/Saunders Reef	38.850	4	2012	2	40.25
Del Mar Landing	38.741	7	2010	20	5.5
Del Mar Landing	38.741	7	2012	0	32
Sea Ranch	38.730	8	2001	28	5.5
Sea Ranch	38.730	8	2005	16	5.5
Sea Ranch	38.730	8	2010	7	3
Sea Ranch	38.730	8	2012	0	34
Phillips Gulch	38.586	9	2010	9	3
Phillips Gulch	38.586	9	2012	0	32
Gerstle Cove	38.566	11	2010	8	3
Windermere Point	38.524	14	2010	4	5.5
Windermere Point	38.524	14	2012	0	32
Bodega Marine Reserve	38.318	18	2001	124	5.5
Bodega Marine Reserve	38.318	18	2003	65	5.5
Bodega Marine Reserve	38.318	18	2004	31	3
Bodega Marine Reserve	38.318	18	2010	17	3
Bodega Marine Reserve	38.318	18	2012	0	26
Bodega Head	38.303	19	2010	21	5.5
Bodega Head	38.303	19	2012	0	37
Santa Maria Creek	38.012	NA	2002	10	5.5
Chimney Rock	37.994	NA	2010	6	3
Bolinas Point	37.905	NA	2002	4	5.5
Bolinas Point	37.905	NA	2005	7	5.5
Bolinas Point	37.905	NA	2008	5	5.5
Bolinas Point	37.903	NA	2005	2	7.25
Palomarin	37.931	23	2012	1	35.5
Duxbury Reef	37.893	24	2008	1	3
Duxbury Reef	37.893	24	2012	16	27.25

^aSite numbers are given for locations included in the 2012 post-event surveys.