**JTMD BEARING JAPANESE BIOFOULING SPECIES**

**NATIONAL SCIENCE FOUNDATION RESEARCH GRANT:**

 ***REGISTER OF BIOFOULED DEBRIS***

J. T. Carlton, J. W. Chapman, J.B. Geller, J. A. Miller, and G. M. Ruiz

Registration is not necessarily in chronological order.

**SUMMARY**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Register** **Number** | **Type** | **Code Name****(and name of boat, if known)** | **State/****Territory/****Province** | **Location** | **Date of Interception** | **Origin in Japan**(Prefecture) |
| JTMD-BF-1 | dock | Misawa 1 (M1) | OR | Agate Beach | 2012 June 4 | Misawa (Aomori) |
| JTMD-BF-2 | vessel | Ilwaco boat***Name of boat:***壮 洋 (Sou-you; "Vast Ocean") | WA | Ilwaco | 2012 June 15 | (Miyagi)(Miyagi Prefecture Fishing Port) |
| JTMD-BF-3 | float | Thompson float | OR | off Lincoln City | 2012 June 9 |  |
| JTMD-BF-4 | float | OR offshore float | OR | off Alsea Bay | 2012 June |  |
| JTMD-BF-5 | float | Bodega float | CA | Bodega Bay | 2012 June 19 |  |
| JTMD-BF-6 | vessel | Kahana Bay boat**Name of boat:****美和丸**(Miwa-maru; "Beautiful Harmony") | HI | Oahu | 2012 November 29 | Ofunato (Iwate) |
| JTMD-BF-7 | float | Oceanus buoy | OR | offshore OR | 2012 June 12 |  |
| JTMD-BF-8 | dock | Misawa 3 (M3) | WA | Olympic NP | 2012December 14 | Misawa (Aomori) |
| JTMD-BF-9 | float | MosquioCrk float1 | WA | Olympic NP | 2012December 20 |  |
| JTMD-BF-10 | float | MosquitoCrk float2 | WA | Olympic NP | 2012 December 20 |  |
| JTMD-BF-11 | vessel | Punaluu boat***Name of boat:***正利丸(Shouri-maru;"Right Profit") | HI | Oahu: Punaluu | 2012 December 24 | (Iwate) |
| JTMD-BF-12 | vessel | Damon Point boat | WA | Grays Harbor | 2012December 28 |  |
| JTMD-BF-13 | float | Goodman Creek float | WA | Olympic NP | 2012 July 20 |  |
| JTMD-BF-14 | float | Fort Bragg float | CA | north of Ft.Bragg | 2012 April 1 |  |
| JTMD-BF-15 | float | Fort Ross float | CA | off Ft. Ross | 2012 July 26 |  |
| JTMD-BF-16 | pallet | Midway pallet | Midway | Eastern Island | 2012 November 2 |  |
| JTMD-BF-17 | float | Hanauma Bay float | HI | Oahu | 2013 January 9 |  |
| JTMD-BF-18 | float | Astoria float | OR | Clatsop Beach | 2013 January 9/10 |  |
| JTMD-BF-19 | vessel | Honokohau boat | HI | Hawaii | 2013 January 15 |  |
| JTMD-BF-20 | cylinder | Mokuleia cylinder | HI | Oahu | 2013 January 17 |  |
| JTMD-BF-21 | buoy | Nohili Point buoy | HI | Kauai | 2013 January 18 | Onahama(Fukushima) |
| JTMD-BF-22 | refrig | Ocean Shores Refr | WA | Ocean Shores | 2013 February 2 |  |
| JTMD-BF-23 | vessel | Gleneden boat | OR | Gleneden Beach | 2013 February 5 |  |
| JTMD-BF-24 | pallet | South Beach palette(*ex* Murase Group, a rice corporation) | OR | South Beach | 2013 February 8 | (Fukushima) |
| JTMD-BF-25 | vessel | Kahuku skiff**Name of boat:****ひさ丸****Hisa-maru** | HI | Oahu | 2013 February 13 | (Miyagi) |
| JTMD-BF-26 | float | Kauai float | HI | Kauai | 2013 February 15 |  |
| JTMD-BF-27 | dock | Makapuu dock | HI | Oahu | 2013 February 14 |  |
| JTMD-BF-28 | vessel | Horsfall skiff***Name of boat:*****第二隆昌丸** (Dai-ni-Ryu-sho-maru)“The second prosperous” | OR | Horsfall Beach | 2013 February 20 |  |
| JTMD-BF-29 | vessel | Clatsop Beach boat***Name of boat:***[○] 龍丸 (fragmentary, missing first word(s): (something- *Ryu-Maru*;"Dragon") | OR | Clatsop Beach | 2013 February 27 | (Iwate) |
| JTMD-BF-30 | vessel | RoadsEnd fragment | OR | Lincoln City | 2013 February 28 |  |
| JTMD-BF-31 | rope | Laie rope floats | HI | Oahu: Laie | 2013 March 4 |  |
| JTMD-BF-32 | dock | Ahihi Kinau dock | HI | Maui | 2013 March 11 |  |
| JTMD-BF-33 | buoy | Kahalu'u buoy | HI | Oahu | 2013 March 7 |  |
| JTMD-BF-34 | ropes | Kauai ropes/buoys | HI | Kauai | 2013 February 20 |  |
| JTMD-BF-35 | buoy | Kahuku buoy | HI | Oahu | 2013 February 21 |  |
| JTMD-BF-36 | vessel | Muriel Ponsler skiff**Name of boat:第二**合栄丸(Dai-ni-gou-ei-maru) | OR | Florence | 2013 March 14 |  |
| JTMD-BF-37 | styrofoam box | Olympic styrobox**Japanese:**"Flammable, keep away from fire" | WA | Olympic NP | 2013 March 17 |  |
| JTMD-BF-38 | buoy | Lighthouse buoy | OR | Cape Arago | 2013 March 17 |  |
| JTMD-BF-39 | vessel | Cannon Beach skiff***Name of boat:*****なぎさ丸**(Nagisa-maru; "Beach") | OR | Cannon Beach | 2013 March 21 |  |
| JTMD-BF-40 | vessel | Long Beach skiff***Name of boat:***斎勝丸 (Sai-shō-maru) | WA | Long Beach | 2013 March 22 | Rikuzentakata Iwate Prefecture |
| JTMD-BF-41 | buoy | Kanapou buoy | HI | Kahoolawe | 2013 March 13 |  |
| JTMD-BF-42 | log (wood) | Salishan log | OR | Lincoln City | 2013 April 9 |  |
| JTMD-BF-43 | vessel | Westwind Camp boat***Name of boat:***(something-Maru) | OR | N of Lincoln City (Westwind Camp) | 2013 April 7/8 |  |
| JTMD-BF-44 | post-and-beam wood | Ucluelet P&B-1 | BC | Ucluelet | 2013 March 28 |  |
| JTMD-BF-45 | post-and-beam wood | Ucluelet P&B-2 | BC | Ucluelet | 2013 April 8 |  |
| JTMD-BF-46 | post-and-beam wood | Ucluelet P&B-3 | BC | Ucluelet | 2013 April 8 |  |
| JTMD-BF-47 | post-and-beam wood | Nye Beach P&B-1 | OR | Nye Beach, Newport | 2013 April 14 |  |
| JTMD-BF-48 | post-and-beam wood | Nye Beach P&B-2 | OR | Nye Beach, Newport | 2013 April 14 |  |
| JTMD-BF-49 | bin | Lanikai Beach bin | HI | Oahu | 2013 March 29 | Miyagi Prefecture |
| JTMD-BF-50 | vessel | Coos Bay skiff | OR | Coos Bay, North Spit | 2013 April 22 |  |
| JTMD-BF-51 | pallet | North Spit pallet 1 | OR | Coos Bay,North Spit | 2013 April 25 |  |
| JTMD-BF-52 | pallet | North Spit pallet 2 | OR | Coos Bay,North Spit | 2013 April 25 |  |
| JTMD-BF-53 | post-and-beam wood | Ucluelet P&B-4 | BC | Ucluelet | 2013 April  |  |
| JTMD-BF-54 | float | Kamilo float | HI | Big Island:Kamilo Beach | 2013 April 8 |  |
| JTMD-BF-55 | post-and-beam wood | Moolack P&B-1 | OR | Lincoln Co.:Moolack Beach | 2013 May 11 |  |
| JTMD-BF-56 | tree | South Beach tree | OR | Lincoln Co.:South Beach | 2013 April 17 |  |
| JTMD-BF-57 | post-and-beam wood | South Beach P&B-1 | OR | Lincoln Co.:South Beach | 2013 May 8 |  |
| JTMD-BF-58 | fiberglass boat | South Beach boat | OR | Lincoln Co.: South Beach | 2013 May 8 |  |
| JTMD-BF-59 | post-and-beam wood | Nye Beach P&B-3 | OR | Nye Beach, Newport | 2013 May 30 |  |
| JTMD-BF-60 | lumber | Tillamook lumber | OR | Tillamook: Bay Ocean Beach | 2013 May 19 |  |
| JTMD-BF-61 | post-and-beam wood | Nye Beach P&B-3 | OR | Nye Beach, Newport | 2013 May 30 |  |
| JTMD-BF-62 | styrofoam | Nye Beach styrofoam | OR | Nye Beach,Newport | 2013 May 30 |  |
| JTMD-BF-63 | post-and-beam wood | Grayland P&B | WA | Grayland Beach North | 2013 April 21 |  |
| JTMD-BF-64 | post-and-beam wood | Yaquina Head P&B | OR | Yaquina Head | 2013 June 3 |  |
| JTMD-BF-65 | post-and-beam wood | Lost Creek P&B-1 | OR | Lost Creek | 2013 June 9 |  |
| JTMD-BF-66 | post-and-beam wood | Lost Creek P&B-2 | OR | Lost Creek | 2013 June 9 |  |
| JTMD-BF-67 | pallet | North Cove pallet | OR | Cape Arago: North Cove | 2013 June 18 |  |
| JTMD-BF-68 | minifridge | Kamilo Point minifridge-1 | HI | Big Island: Kamilo Point | 2013 February |  |
| JTMD-BF-69 | minifridge | Kamilo Point minifridge-2 | HI | Big Island: Kamilo Point | 2013 March 16 |  |
| JTMD-BF-70 | post-and-beam wood | South Cove P&B | OR | Cape Arago: South Cove | 2013 June 16 |  |
| JTMD-BF-71 | pallet | Kalaloch pallet | WA | Olympic National Park | 2013 June 23 |  |
| JTMD-BF-72 | I-beam | Punaluu I-beam | HI | Oahu: Punaluu | 2013June 17 |  |
| JTMD-BF-73 | piling | Whiskey Run Piling | OR | Coos County: Whiskey Run Beach | 2013 July 8 |  |
| JTMD-BF-74 | post-and-beam | Whiskey Run P&B-1 | OR | Coos County: Whiskey Run Beach | 2013 July 8 |  |
| JTMD-BF-75 | vessel | Malaekahana boat*Myo-ei maru* (妙栄丸) "Remarkable Prosper" | HI | Oahu: Laie: Malaekahana Beach | 2013 July 5 | Iwate Prefecture |
| JTMD-BF-76 | orange buoy | Kenai buoy | AK | Alaska: Kenai Fjords National Park | 2013 June 24 |  |
| JTMD-BF-77 | blue box | WCT box | CA | British Columbia: Vancouver Is: between Bamfield and Port Renfrew | 2013 June 13 |  |
| JTMD-BF-78 | vessel | Makah boat | WA | WA: Makah Reservation | 2013 May 12 |  |
| JTMD-BF-79 | buoy | Bandon buoy #1 | OR | Bandon region | 2013 Winter-summer |  |
| JTMD-BF-80 | buoy | Bandon buoy #2 | OR | Bandon region | 2013Winter-summer |   |
| JTMD-BF-81 | blue pallet | Bandon pallet | OR | Bandon region | 2013Winter-summer |  |
| JTMD-BF-82 | maritime/vessel board | Bandon board |  | Bandon region | 2013 Winter-summer |  |
| JTMD-BF-83 | plastic bottle (52 mm tall) | Turret bottle | BC | BC: Vancouver Is.: Turret Is. | 2013 May 18 |  |
| JTMD-BF-84 | foam buoy, 1 m | Campbell 3'-buoy | HI | Oahu: James Campbell NWR | 2013 July 12 |  |
| JTMD-BF-85 | foam buoy with woven rope 1.5 m | Campbell 5'-buoy | HI | Oahu: James Campbell NWR | 2013 July 12 |  |
| JTMD-BF-86 | post-and-beam | Sebastian P&B | OR | N of Cape Sebastian: Kissing Rock (KR) | 2013 August 4 |  |
| JTMD-BF-87 | vessel, 20-25' | Kawela boatMG3-39044 | HI | Oahu: Kawela | 2013 August 14 | Miyagi Prefecture |
| JTMD-BF-88 | vessel | Turtle Bay boat | HI | Oahu: Turtle Bay Resort | 2013 August 17 |  |
| JTMD-BF-89 | post-and-beam | Bay Ocean P&B | OR | Tillamook Co.: Bay Ocean Peninsula | 2013 July 28 |  |
| JTMD-BF-90 | buoy | Keauhou buoy | HI | Kona coast: 1 mile off around Keauhou | 2013 September 4 |  |
| JTMD-BF-91 | float, small | Red Hill float | HI | Kona coast: 1 mile off around Red Hill | 2013 September 5 |  |
| JTMD-BF-92 | buoy, white | Kamilo buoy | HI | Big Island: Kamilo | 2013 July |  |
| JTMD-BF-93 | buoy, yellow | Ucluelet buoy | BC | Vancouver Island: Ucluelet area | 2013 winter-spring |  |
| JTMD-BF-94 | boat fragment | Ucluelet boat | BC | Vancouver Island: Ucluelet area | 2013 winter-spring |  |
| JTMD-BF-95 | post-and-beam | Ucluelet P&B-5 | BC | Vancouver Island: Ucluelet area | 2013 March-April |  |
| JTMD-BF-96 | orange buoy | Au'au Buoy | HI | Maui: Au'au channel between Maui and Lana'i | 2013 September 22 |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

JTC September 27, 2013

Translations by Miho Sakuma