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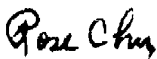
Date: November 16, 1998
To: KEVIN FOSTER
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Environmental Affairs
Subject: BIRD STATUS CHART AS OF NOVEMBER 11, 1998
No. of Pages (including cover): 12

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As promised, here is the most recent update of the 11-page bird status chart from the Tesoro Hawaii SPM Hose Spill. As more information becomes available, Clayton Environmental continually updates this chart.

For your information, we have given Entrix an authorization last week to proceed with compiling data collected (including the bird surveys) and developing a base map. Thanks for your patience.

Sincerely,



Rose Chu
Environmental Affairs

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BIRD STATUS CHART AS OF NOVEMBER 11, 1998

Bird	Status	Sample	Current Location	Species	Capture Date	Capture Location	Capture Person	% Oiled	Date Shipped	Transported To	Arrived/ Process Date	Washed	Died or Euthanized	Stable	Re-leased
1	Live	CG only	Re-leased	RFB (SLP#1427-19309) (MVS0-022)	8/28/98	SLP	Kianna Pugh	30%	9/19/98 from SLP	Maui (MVS0)	9/19/98	8/28/98 9/22/98 9/27/98			9/29/98
2	Live	CG only	Re-leased	RFB (SLP#1427-19329) (MVS0-021)	9/8/98	SLP	Kianna Pugh	12%	9/19/98 from SLP	Maui (MVS0)	9/19/98	9/8/98 9/22/98 9/27/98			9/29/98
3	Live	CG only	Re-leased	RFB (SLP#1427-19321) (MVS0-020)	9/7/98? 9/8/98	SLP	Kianna Pugh	5%	9/19/98 from SLP	Maui (MVS0)	9/19/98	9/8/98 9/22/98 9/27/98			9/29/98
4	Live	CG only	Re-leased	RFB (SLP#1327-09661) (MVS0-019)	9/7/98? 9/8/98	SLP	Kianna Pugh	5%	9/19/98 from SLP	Maui (MVS0)	9/19/98	9/8/98 9/22/98 9/27/98			9/29/98
5	Dead	Yes 9/6. Results are back KBML-2	CIC freezer on 9/7/98	RFB	9/5/98 - 0825 9/5/98 1700 taken to refuge 9/6/98 at 1135	Mokolea Point	Melissa gave to Matthew Notch	75% neck to tail	9/7/98 via Chris Jansen	C C	9/7/98		Euthari zed 9/5/98		
6	Dead	2 samples on 9/8/98, ADL holding (KBCJ04,	CIC Freezer 9/10/98	RFB (MVS0-002)		Wailua Golf Course Beach	Audrey and Mike Goodnight	35% one side of body and wing	9/7/98 Hand Carried by Greg Massey	Maui (MVS0)	9/8/98		Died 9/8/98		

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7	Dead	Yes, ADL holding KBC105	CIC freezer on 9/7/98	RFB	9/6/98 12:30; at refuge 1420	Ocean below Crater Hill	Steve Thatcher and Jan Quiet	35%	9/7/98 via Chris Jansen	Maui (MSVO)	NA		Died 9/7/98		
8	Dead	Yes 9/9/98; ADL results are back KBC-J-6, 2 samples on 9/8/98	CIC freezer on 9/16/98	Brown Booby (MYSO-001)	9/6/98 1500 brought to Refuge 9/7 at 0900	Larsens Beach	Peggy Howe via Ranger Notch	25% Wings and Tail	9/7/98 Hand Carried by Greg Massey	Maui (MYSO)	9/8/98		Died 9/11/98		
9	Dead	2 samples on 9/8/98; retrieved 9/10; ADL holding sample Maui-FC03.	CIC Freezer 9/10/98	Brown Booby (MYSO-003)	9/7/98 at 1530 Koloa Fire Station Picked up by CICS Souza	Maha'ala Beach	Phyllis Sagawa	35	9/8/98	Maui (MYSO)	9/8/98		Died 9/9/98		
10	Dead	Nc	Kauai Not Recovered	RFB	9/5/98 at	Hanapepe Taken to Fire Dept and destroyed	DLNR State Forestry and Wildlife rep. Tom Telfer	oiled (?)	NA	NA	NA		Euthanized 9/5/98		

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11	Dead Yes 9/8; retrieved 9/10 ADL holding sample Maui- F004, 2 samples on 9/9/98	CIC Freezer 9/10/98	Brown Booby (MVSO-004)	9/8/98	Anahola, stabilized by T. Tefer overnight	CIC	80%	9/9/98	Maui (MVSO)	9/9/98 1115		Died 9/10/98 1200		
12	Dead 2 samples on 9/9/98; Retrieved 9/10. ADL holding sample Maui- F006	CIC Freezer 9/16/98	Brown Booby (MVSO-006)	9/9/98	Anahola		50%	9/9/98	Maui (MVSO)	9/9/98 1230		Died 9/10/98		
13	Dead 2 samples on 9/9/98; retrieved 9/10. ADL holding sample Maui- F005	CIC Freezer 9/10/98	Red Footed Booby (MVSO 005)	9/9/98 1430	Anahola	9/9/98 1430	40%	9/9/98	Maui (MVSO)	9/9/98		Died 9/10/98		
14	Live 2 samples on 9/9/98, Retrieved 9/10. ADL holding sample Maui- F008	Maui (MVSO)	Red Footed Booby (MVSO 008)	9/9/98	P.M. RF Beach Area	CIC	80%	9/9/98	Maui (MVSO)	9/9/98 9/22/98	9/19/98 9/22/98	Euthanized 9/29/98		

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Bird	Status	Sample	Current Location	Species	Capture Date	Capture Location	Capture Person	% Oiled	Date Shipped	Transported To	Arrived/ Process Date	Washed	Euthanized	Stable	Re-leased
15	Dead	Yes 9/9 Retrieved 9/10 ADL holding sample Maui- F007. 2 samples on 9/8/98	CIC Freezer 9/10/98	Bulwer's Petrel (MVSO- 007)	9/9/98	Manele Boat Harbor Juvenile	Kim Gleason	40%	9/9/98	Maui (MVSO)	9/8/98		Died 9/9/98		
16	Live	2 samples 9/10/98; sample in Maui frig.	Maui (MVSO)	Brown Booby (MVSO-009)	9/10/98	Barking Sands	CIC	75%	9/10/98	Maui (MVSO)	9/10/98	9/17/98 9/27/98		doing well	9/29/98
17	Dead	2 samples 9/11/98; sample in Maui frig.	CIC freezer 9/16/98	Brown Booby (MVSO-010)	9/10/98	Barking Sands	CIC	100%	9/11/98	Maui (MVSO)	9/11/98	9/14/98	Died 9/15/98	stable & locks good after washing	9/29/98
18	Live	2 samples 9/11/98; sample in Maui frig.	Maui (MVSO) CIC	Brown Booby (MVSO-011)	9/11/98	Barking Sands	via File House	45%	9/11/98	Maui (MVSO)	9/11/98	9/16/98 9/27/98			
19	Dead	Yes; sample in Maui frig	CIC freezer 9/16/98	Brown Booby (MVSO-012)	9/11/98	Barking Sands	via File House	50%	9/11/98	Maui (MVSO)	9/11/98		Died 9/14/98		
20	Dead	2 samples 9/11/98; sample in Maui frig.	CIC freezer 9/16/98	Brown Booby (MVSO-013)	9/11/98	Barking Sands	via File House	35%	9/11/98	Maui (MVSO)	9/11/98		Died 9/14/98		

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Bird	Status	Sample	Current Location	Species	Capture Date	Capture Location	Capture Person	% Oiled	Date Shipped	Transported To	Arrived/Process Date	Washed	Died or Euthanized	Stable	Re-leased	
21	Dead	2 samples 9/13/98; sample in Maui frig.	CIC freezer 9/16/98	Red Footed Booby (MVSO 014)	9/12/98	Barking Sands Beach	IBRRC (see Wendy Live Log #21)	10%	9/13/98	Maui (MVSO)	9/13/98		Died 9/14/98			
22	Live	2 samples 9/13/98; sample in Maui frig.	Maui (MVSO)	Red Footed Booby (MVSO 015)	9/12/98	Kilauea Lt. House #22	via Fire House, Kauai IC, (see Wendy Live Log #22)	15%	9/13/98	Maui (MVSO)	9/13/98	9/19/98 9/27/98		doing well	9/29/98	
23	Live		SLP	RFB (#RED-239)	9/12/98	Kailua	Unknown person brought to SLP	3% on tail (has 2 broken wings)								
24	Dead	yes, 9/15, by T Stan & CG Sample in CIC frig B0915-1	CIC freezer	Frigate bird	9/13/98	Kilauea Lt. House #1-1	IBRRC (see Wendy Dead Log #1-1)	oiled (?)	9/15/98	CIC	9/15/98		Captured			
25	Dead	yes, 9/15, by T Stan & CG Sample in CIC frig B0915-2	CIC freezer	Brown booby	9/13/98	Palealea Pt./Anahala	IBRRC (see Wendy Deac Log #1-2)	oiled (?)	9/15/98	CIC	9/15/98		Captured			

BIRD STATUS CHARACTERISTICS AS OF NOVEMBER 11, 1998

Bird	Status	Sample	Current Location	Species	Capture Date	Capture Location	Capture Person	% Oiled	Date Shipped	Transported To	Arrived/Process Date	Washed	Died or Euthanized	Stable	Released
26	Dead	2 samples collected on 9/14/98; sample in Maui frig	Maui (MVSO)	Brown booby (MVSO-016)	9/13/98	Majors Bay	PMRF (see Wendy Live Log #23)	30%	9/14/98	Maui (MVSO)	9/14/98		Died 9/19/98		
27	Dead	2 samples collected on 9/15/98; sample in Maui frig	Maui (MVSO)	Brown booby (MVSO-017)	9/14/98	Kipu Kai Beach	Gasco Personnel/ BRRC (see Wendy Live Log #24)	25%	9/14/98	Maui (MVSO)	9/15/98		Died 9/15/98		
28	Live	2 samples collected on 9/15/98; sample in Maui frig	Maui (MVSO)	Red footed booby (MVSO-018)	9/14/98	Kilauea Pt. Beach	IBRRC (see Wendy Live Log #25)	25%	9/14/98	Maui (MVSO)	9/15/98	9/17/98 9/27/98		doing well	9/29/98
29	Dead	yes, 9/15, by T Stan & CG. Sample in CIC frig B0915-3	CIC freezer		9/14/98	Polihale (took to Waimea Fire Station)	Unknown/ IBRRC (see Wendy Live Log #26 and Deac Log #1-6)	45%	9/15/98	CIC	9/15/98		Died 9/15/98		

BIRD STATUS CHART AS OF NOVEMBER 11, 1998

Bird	Status	Sample	Current Location	Species	Capture Date	Capture Location	Capture Person	% Oiled	Date Shipped	Transported To	Arrived/Process Date	Washed	Died or Euthanized	Stable	Released
30	Dead	yes, 9/15, by T Shan & CG. Sample in CIC frig B0915-4	CIC freezer	Brown booby	9/14/98	Kiiaua Beach	Wendy S. (see Wendy Dead Log #1-5)	20%	9/15/98	CIC	9/15/98		found dead		
31	Dead	yes, 9/6 by RR & CG. Sample in CIC frig B0916-1 (Note COC lists as Bird #32)	CIC freezer	Booby	9/16/98	Kea-ou Beach (Makaha, Oahu)	Mark Wilkins CIC	95%					found dead		
32	Dead		CIC freezer	Red footed booby	9/17/98	Nohiu Bay	Wendy S. received from fisherman (see Wendy Dead Log #1-9)	30%					found dead		
33	Dead		CIC freezer	Red footed booby	9/17/98	Nohiu Bay	Wendy S. received from fisherman (see Wendy Dead Log #1-10)	70%					found dead		

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34	Dead		CIC freezer	White Tailed Tropic	9/17/98	Outrigger Bay/Div A	IBRRC (see Wendy Dead Log #1-8)	Possibly oiled					found dead		
35	Dead		CIC freezer	White Tailed Tropic	9/17/98	Outrigger Bay/Div A	IBRRC (see Wendy Dead Log #1-11)	15%					found dead		
36	Dead		CIC freezer	Red footed booby	9/17/98	Outrigger Bay/Div A	IBRRC (see Wendy Dead Log #1-12)	70%					found dead		
37	Dead	2 samples collected 9/19/98 by unknown, sent to ADL 3/28/98	CIC freezer	Red footed booby	9/19/98	Kapea	IBRRC (see Wendy Dead Log #1-13)	30%					found dead		
38	Dead		CIC freezer	Brown booby	9/20/98	Keomiba	IBRRC (see Wendy Dead Log #1-14)	10%					found dead		

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39	Live	According to Laila Gibson Report (USFWS?). Sample was collected. 1 sample collected 9/22/98 (MVSVO?)	Maui (MVSVO)	Red footed booby (MVS0 023)	9/21/98	Kaneohe Marne Corp Base	IBRRC / (Ken Brewer)	7%	9/22/98		9/22/98	9/26/98			9/29/98
40	Dead	According to Jay Patterson Report (USFWS?). feathers were collected and put in foil then frozen	Laysan Freezer	Xmas Shearwater	9/21/98	Laysan Island National Wildlife Refuge	USFWS	100%	Will be shipped to Hon. USFWS on Nov. 1, 1998				alive with found, weak, then died quickly		
41	Live	2 samples collected 9/23/98	Maui (MVS0)	Brown booby (MVS0-024)	9/22/98	Div A	(see Wendy Live Log #27)	30%	9/23/98	Maui (MVS0)	9/23/98	9/26/98			9/29/98
42	Dead		CIC freezer	White Tailed Tropic	9/21/98	Kipu Kai	IBRRC (see Wendy Dead Log #1-17)	10%							

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43	Live	2 samples collected 9/30/98	Re-leased	Red Footed Booby (MVSO 025)	9/29/98	Anini Beach, Kauai	Stan Souza	3%	9/30 & 10/6	Maui (MVSO) & Kauai Lagoons	9/30 & 10/6	10/8/98			10/15/98	
44	Dead					Laysan Island, National Wildlife Refuge	USFWS									
45	Dead					Laysan Island, National Wildlife Refuge	USFWS									
46	Live	Yes, samples taken 10/3/98	Re-leased	Red Footed Booby (MVSO 026)	10/2/98	Kilauea Refuge	Linda Elliott & Stan Souza	30%		Kauai Lagoons	10/3/98	10/8/98			10/18/98	
47	Live	Yes, samples taken 10/3/98	Re-leased	Red Footed Booby (MVSO 027)	10/2/98	Kilauea Refuge	Linda Elliott & Stan Souza	30%		Kauai Lagoons	10/3/98	10/8/98 10/15/98			10/18/98	
48	Live	Yes, samples taken 10/3/98	Re-leased	Red Footed Booby (MVSO 028)	10/3/98	Kilauea Refuge	Linda Elliott & Stan Souza	15%		Kauai Lagoons	10/3/98	10/8/98 10/15/98			10/18/98	
49	Live	2-collected 10/7/98	Re-leased	Red Footed Booby (MVSO 029)	10/6/98	MCBH Mokapu	Kevin Foster	3%	10/4/98	Kauai Lagoons	10/7/98	10/9/98			10/18/98	

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50	Live	2-collected 10/13/98	Kauai Lagoons	Red Footed Booby (MVSO 030)	10/13/98	Kilauea Pt Refuge	Wendy S. Stan S. Greg M.	40%	10/13/98	Kauai Lagoons	10/13/98	10/15/98			10/21/98
51	Live	2-collected 10/15/98	Kauai Lagoons	Red Footed Booby (MVSO 031)	10/15/98	Kilauea Pt Refuge	Wendy S. Stan S. Kathleen V.	2%	10/15/98	Kauai Lagoons	10/15/98	10/17/98			10/21/98
52	Live	2-collected 10/15/98	Kauai Lagoons	Red Footed Booby (MVSO 032)	10/15/98	Kilauea Pt Refuge	Wendy S. Stan S. Kathleen V.	2%	10/15/98	Kauai Lagoons	10/15/98	10/17/98			10/21/98
53	Live	2-collected 10/15/98	Kauai Lagoons	Red Footed Booby (MVSO 033)	10/15/98	Kilauea Pt Refuge	Wendy S. Stan S. Kathleen V.	5%	10/15/98	Kauai Lagoons	10/15/98	10/17/98			10/21/98