

Project name: EM&A for Permanent Aviation Fuel Facility (PAFF)

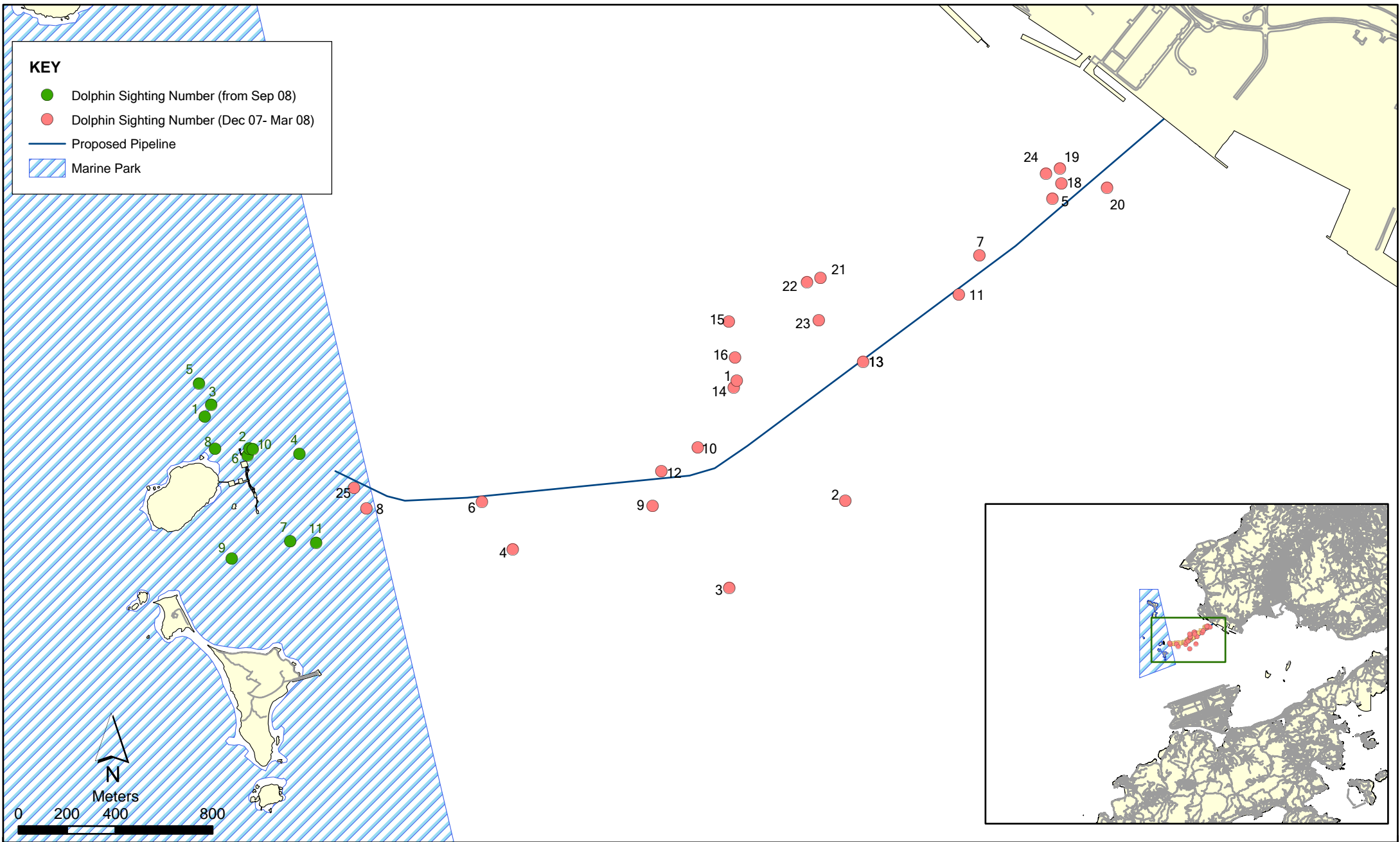
Activity: Dolphin Impact Monitoring - Field Log Sheet

*Remark: Record the number of dolphin occurrence within the 250m exclusion (A) prior to dredging and (B) during dredging

Week	Date		Dredger 1		Observers' Names	
			No. of Dolphin Occurrence*	Sighting No.		
1	Mon	01-Sep	No Dredging	-	Richard Huang	
	Tue	02-Sep	15	1-7	Anton Tsang	
	Wed	03-Sep	2	8	Anton Tsang	
	Thu	04-Sep	1	9	Richard Huang	
	Fri	05-Sep	1	10	Anton Tsang	
	Sat	06-Sep	No Dredging			
	Sun	07-Sep	No Dredging			
2	Mon	08-Sep	No Dredging		Richard Huang	
	Tue	09-Sep	0	-	Anton Tsang	
	Wed	10-Sep	0	-	Anton Tsang	
	Thu	11-Sep	0	-	Richard Huang	
	Fri	12-Sep	0	-	Anton Tsang	
	Sat	13-Sep	No Dredging			
	Sun	14-Sep	No Dredging			
3	Mon	15-Sep	No Dredging			
	Tue	16-Sep	0	-	Richard Huang	
	Wed	17-Sep	0	-	Anton Tsang	
	Thu	18-Sep	0	-	Richard Huang	
	Fri	19-Sep	0	-	Anton Tsang	
	Sat	20-Sep	No Dredging			
	Sun	21-Sep	No Dredging			
4	Mon	22-Sep	No Dredging	-	Ivy So	
	Tue	23-Sep	No Dredging	-	Anton Tsang	
	Wed	24-Sep	No Dredging due to typhoon			-
	Thu	25-Sep	0	-	Richard Huang	
	Fri	26-Sep	0	-	Ivy So	
	Sat	27-Sep	No Dredging			
	Sun	28-Sep	No Dredging			

KEY

- Dolphin Sighting Number (from Sep 08)
- Dolphin Sighting Number (Dec 07- Mar 08)
- Proposed Pipeline
- Marine Park



Dolphin Sighting Locations (as of 30 September 2008)

Permanent Aviation Fuel Facility (PAFF) - Dolphin Sighting Records

Sighting No.	Date	Time	Sighting Distance	#Sighting Angle from Dredging Machine (o)	Group size	Group Composition*	Beaufort	Boat Association	Behaviour	Other comments
1	2/9/2008	1000	275	320	4	2UA, 1 SA, 1 SJ	1	None	Feeding, Travelling	Before Dredging
2	2/9/2008	1024	80	5	2	2UA	1	None	Breaching, Spy-hopping	Before Dredging
3	2/9/2008	1035	300	330	2	1UA, 1SA	1	None	Travelling	Before Dredging
4	2/9/2008	1045	220	75	3	1UA, 1SA, 1UJ	1	None	Travelling	Before Dredging
5	2/9/2008	1108	400	330	1	1SA	1	None	Travelling	Before Dredging
6	2/9/2008	1411	50	0	1	1UA	2	None	Travelling	During Dredging
7	2/9/2008	1530	350	150	2	2UA	2	None	Travelling	During Dredging
8	3/9/2008	1535	155	300	2	2UA	1	None	Travelling	During Dredging
9	04/09/2008	1336	380	190	2	2UA	2	None	Travelling	During Dredging
10	5/9/2008	1711	80	15	1	1UA	2	None	Travelling	Dredging Stopped
11	30-Sep-08	1050	250	350	4	4UA	2	None	Travelling	Before Dredging
*Key:				# Compass bearing is used (North = 0 degree)						
UC = Unspotted Calf										
UJ = Unspotted Juvenile										
SJ = Spotted Juvenile										
SS = Spotted Sub-adult										
SA = Spotted Adult										
UA = Unspotted Adult										

19	07/03/2008	1018	ST20	Urmston Road	450	810019.75	825074.94	11	200	1	1UA	2	None	Traveling	
					460	810011.71	825068.99								
20	07/03/2008	1117	ST20	Urmston Road	450	810019.75	825074.94	180-220	70-220	1	1UA	2	None	Spy-hopping, traveling, breaching, porpoising	
					460	810011.71	825068.99								
21	10/03/2008	1147	ST20	Urmston Road	1605	809091.025	824388.279	240	90	2	1UA, 1SJ	2	None	Travelling	No dredging
					1540	809143.291	824426.922								
22	12/03/2008	1150	GD654	Urmston Road	1600	809095.045	824391.252	240	75	2	2UA	3	None	Travelling	Dolphin-watching vessel passed by; Travelling away from dredger; During dredging
					1555	809131.229	824418.005								
23	12/03/2008	1220	GD654	Urmston Road	1600	809095.045	824391.252	80	60	2	1UA, 1SJ	3	None	Feeding	Wandering around between distance of 80-300m from dredger and stayed for ~6mins; No dredging
					1555	809131.229	824418.005								
24	21/03/2008	1620	GD31	Urmston Road	550	809939.34	825015.48	51	150	2	2UA	2	None	Travelling	-
					560	809931.29	825009.54								
25	25/03/2008	1110	GD31	Urmston Road	750	807161.08	823724.02	50	30	1	1UA	2	None	Travelling	-
					760	807111.18	823720.96								
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