

## Project Update: May 2018

Our team carried out the first season (late winter/summer season) survey starting from February to May in 2018. Total number of survey plots was 90 plots across the three project sites, Meinmahla Kyun Wildlife Sanctuary, Kadonkani Reserved Forest, and Pyindayae Reserved Forest. Three sampling plots, where one plot is 30 arc sec spatial resolutions, were combined as one sampling stripe and each sampling stripe was visited 4 days per season. Hence, the total number of sampling stripes was 30 stripes across the three project sites with 10 stripes per site. The extent of each sampling stripe is about 2136 acres including rivers and wetland ecosystems. The sampling stripes were selected randomly and survey activities were carried out independently for different sampling stripes with the same effort of survey intensity (4 visits for all the sample stripes).

Our team selected 6 base-camps for the ease of accessibility to conduct the surveys. The rivers nearby the base camps were selected independently to conduct all the activities. Two survey teams will leave from the base camp to the selected sampling stripes to conduct day-time survey which includes environmental parameters collection and social survey and night-time spotlight survey. The survey teams gathered to the base camp at the end of the day in order to monitor the survey activities.

**Table 1. Survey Design**

Project Sites	Sampling Stripes	Sampling Plots	Times (Visits/ Observations)	
			1 <sup>st</sup> Season Late Winter summer season	2 <sup>nd</sup> Season Late Rainy /Winter season
Meinmahla Kyun Wildlife Sanctuary (MMHK WS)	M1	J1, J2, J3	4 visits	4 visits
	M2	H7, H8, H9	4 visits	4 visits
	M3	G12, H12, I12	4 visits	4 visits
	M4	J5, J6, J7	4 visits	4 visits
	M5	O2, O3, O4	4 visits	4 visits
	M6	L6, L7, L8	4 visits	4 visits
	M7	K11, K12, K13	4 visits	4 visits
	M8	L1, L2, L3	4 visits	4 visits
	M9	O6, O7, O8	4 visits	4 visits
	M10	I9, I10, I11	4 visits	4 visits
Kadonkani Reserved Forest (RF)	K1	C1, C2, C3	4 visits	4 visits
	K2	A7, B7, C7	4 visits	4 visits
	K3	A14, B14, C14	4 visits	4 visits
	K4	F5, F6, F7	4 visits	4 visits
	K5	H1, H2, H3	4 visits	4 visits
	K6	A10, B10, C10	4 visits	4 visits
	K7	D10, D11, D12	4 visits	4 visits
	K8	A5, B5, C5	4 visits	4 visits
	K9	E13, E14, E15	4 visits	4 visits
	K10	F1, F2, F3	4 visits	4 visits

Pyindayae Reserved Forest (RF)	P1	Q1, Q2, Q3	4 visits	4 visits
	P2	O9, P9, Q9	4 visits	4 visits
	P3	J14, J15, J16	4 visits	4 visits
	P4	Q5, R5, S5	4 visits	4 visits
	P5	O12, P12, Q12	4 visits	4 visits
	P6	L15, M15, O15	4 visits	4 visits
	P7	R7, R8, R9	4 visits	4 visits
	P8	P16, Q16, R16	4 visits	4 visits
	P9	S11, S12, S13	4 visits	4 visits
	P10	P14, Q14, R14	4 visits	4 visits

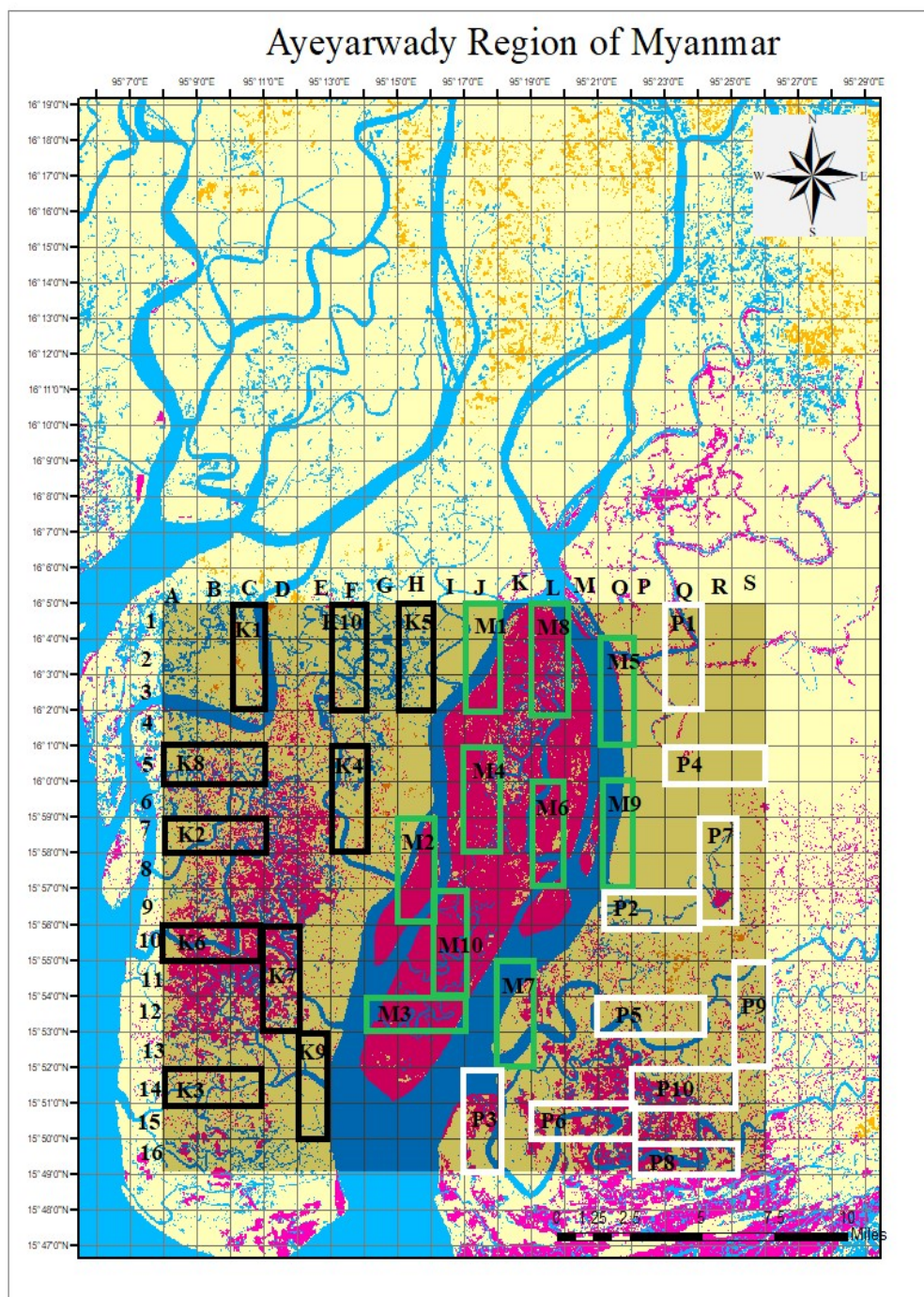


Figure 1. Map showing layout of sampling stripes across sampling plots in three project sites

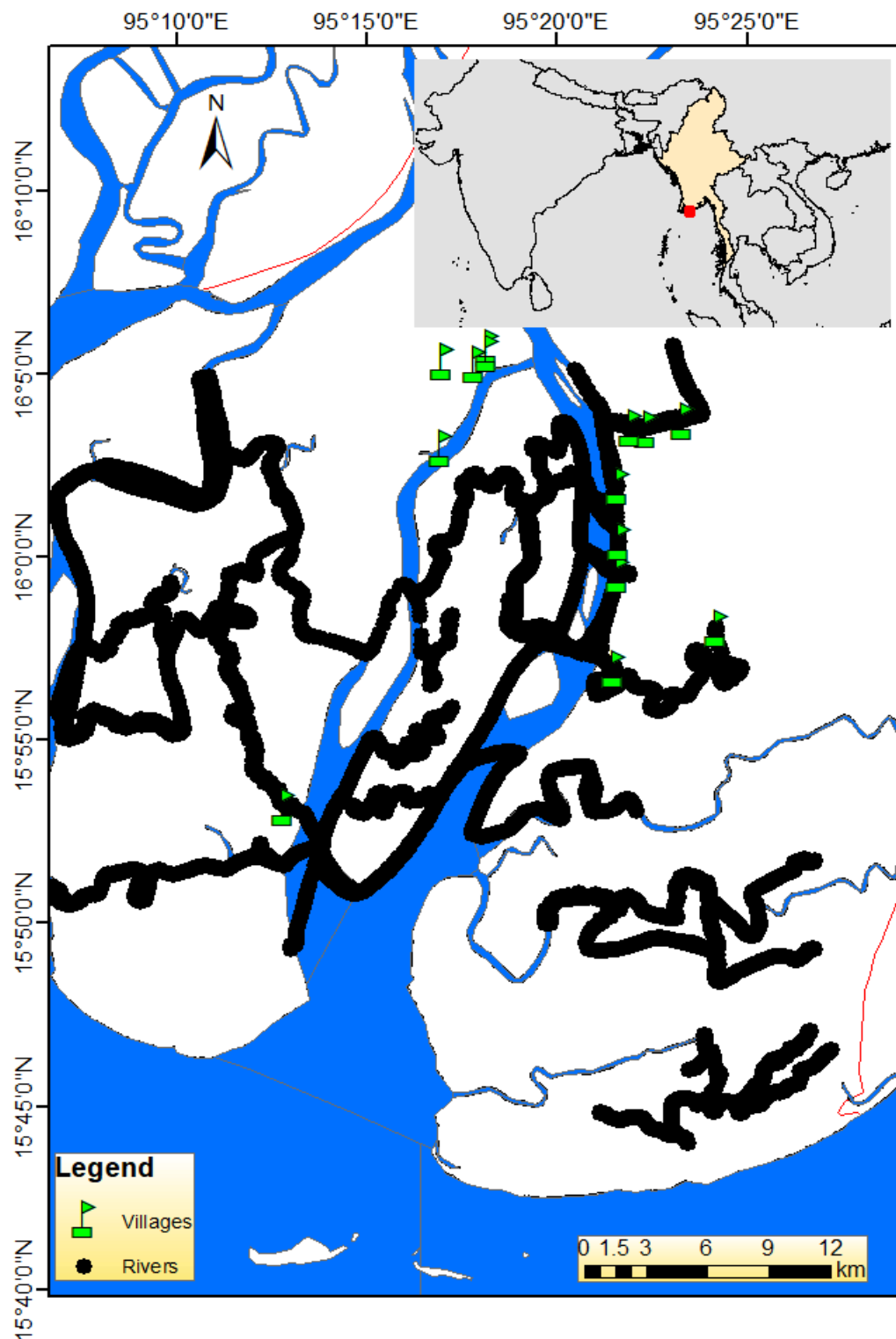


Figure 2. Map showing surveyed streams and villages





Location Map of Michaunggaungpot Camp & 1<sup>st</sup> camp (Michaunggaungpot Camp)



Location Map of Thaungchaung Camp & 2<sup>nd</sup> camp (Thaungchaug Camp)

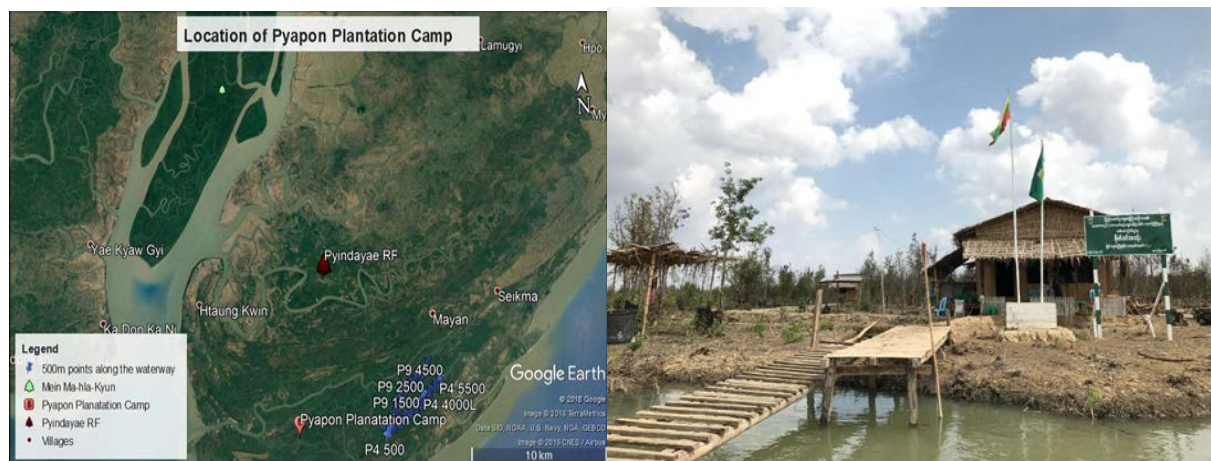


Location Map of Vyonemyae Kyun Camp & 3<sup>rd</sup> Camp (Vyonemyae Kyun Camp)

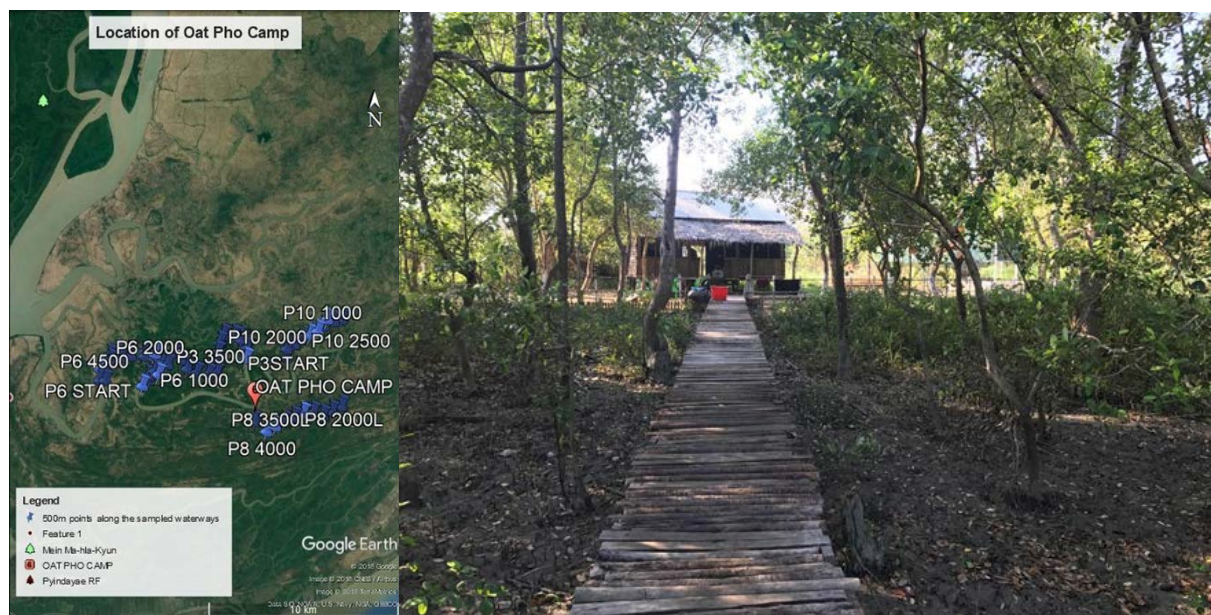




Location Map of Bogalay Plantation Map & 4<sup>th</sup> Camp (Bogalay Plantation Camp)



Location Map of Pyapon Plantation Camp & 5<sup>th</sup> Camp (Pyapon Plantation Camp)



Location Map of Oat Pho Camp & 6<sup>th</sup> Camp (Oat Pho Camp)





Juvenile Crocodile



Juvenile Crocodile Found at Night-time Spotlight Survey





Adult Crocodile



Track of Adult Crocodile



Conducting Day-time Survey



Conducting Night time Spotlight Survey





Microhabitat (small swamp pond) of crocodile inside the mangrove forest



Old Nest





Conducting Focus Group Discussion



Conducting Questionnaire Survey





Fishery by the villagers in Meinmahlakyun Wildlife Sanctuary



A House in Satsan Village





Ayeyarwady Dolphin in Meinmahla Kyun Wildlife Sanctuary



Lesser Adjutant in Meinmahla Kyun Wildlife Sanctuary