5.2.1 物理探査調査位置

垂直電気探査地点一覧表（ザガイン地域）

Region	Township	Village Tracks	Villages	No.	ID	Coordinate of Survey Point (WGS84 UTM)			Survey Method	Surveyor	Remarks
						x	y	z			
Sagaing	Budalin	Htanaungkone	Yonedaw	1	SA2-01	721,184	2,468,685	110	VES	DRD	
		Ngapayin	Nyaungbinthar	2	SA2-02	720,885	2,486,381	108	VES	DRD	
		Maunghtaung	Maunghtaung	3	SA2-03	712,894	2,487,822	121	VES	DRD	
		Ywarthit	Kantawthar	4	SA2-04	704,295	2,487,734	157	VES	DRD	
		Konethar	Mhonehtoo	5	SA2-05	729,874	2,471,014	108	VES	DRD	
		Watluu-I	Watluu-I	6	SA2-06	700,719	2,482,574	114	VES	DRD	
	Chaungoo	Thanbinkan	Thanbinkan	7	SA2-07	742,454	2,430,400	171	VES	DRD	
		Natyaygan	Natyaygan	8	SA2-08	743,821	2,426,594	144	VES	DRD	
	Ayadaw	Ngarrtowma	Sithar	9	SA2-09	742,840	2,472,680	220	VES	DRD	
		Leinhla	Oakkan	10	SA2-10	747,838	2,482,552	138	VES	DRD	
		Warryaung	Warryaung	11	SA2-11	748,170	2,458,383	220	VES	DRD	
		Yechinn	Warrtannkalay	12	SA2-12	750,823	2,470,044	170	VES	DRD	
		Nyaungchayhtauk	Yathar	13	SA2-13	756,166	2,449,638	212	VES	DRD	No possibility
		Warryaung	Zeepinlel	14	SA2-14	751,516	2,457,534	212	VES	DRD	
	Salingyi	Yonebinyoe	Yonebinyoe	15	SA2-15	711,426	2,428,069	131	VES	DRD	No possibility
		Yonebinyoe	Minntaw	16	SA2-16	712,670	2,428,751	142	VES	DRD	
		Moe Kyo Pyin	Kine	17	SA2-17	711,640	2,437,561	151	VES/2D	DRD/ESS	No possibility
	Myinmu	Kalarpyan	Kalarpyan	18	SA2-18	749,957	2,422,670	89	VES	DRD	
		Nyaungbinkan	Hlayookan	19	SA2-19	758,107	2,439,343	166	VES	DRD	
		Latpankyin	Watkya	20	SA2-21	745,604	2,447,822	252	VES	DRD	
		Latpankyin	Thahlaykone(Ywarma)	21	SA2-22	747,673	2,446,221	254	VES	DRD	
		Inma	Magyidaw	22	SA2-23	774,423	2,444,502	72	VES	DRD	No possibility
	Kanbalu	Thindaw	Thindaw	23	SA2-24	773,385	2,613,108	209	VES	DRD	
		Thindaw	Lwingyi	24	SA2-25	772,013	2,612,839	215	VES	DRD	
		Koetaungboh	Koetaungboh(Kyunkone)	25	SA2-26	773,590	2,620,729	223	VES	DRD	
		Nyaungkanthar	Inngoteto	26	SA2-27	768,388	2,598,038	219	VES	DRD	
		Myayhtoo	Myayhtoo	27	SA2-28	745,839	2,565,464	158	VES	DRD	No possibility
		Khaowntar	Khaowntar	28	SA2-29	776,585	2,551,429	191	VES	DRD	
		Nyuangkanthar	Nyuangkanthar	29	SA2-30	770,771	2,597,741	217	VES	DRD	
		Myaymon	Myaymon	30	SA2-31	785,110	2,544,263	214	VES	DRD	
		Pazigyi	Layytwinzin	31	SA2-32	800,148	2,549,708	147	VES	DRD	
		Paygone(S)	Chaungchar	32	SA2-33	762,397	2,587,371	213	VES	DRD	
	Dabayin	Intimalay	Minyogone	33	SA2-34	731,866	2,513,234	112	VES	DRD	
		Mintelgone	Shandaw	34	SA2-35	725,913	2,501,505	132	VES	DRD	
		Satpyargyin	Kyuntaw (S)	35	SA2-36	728,632	2,505,189	121	VES	DRD	
	Wetlet	Sharkwal	PalaeThwe (Ywarthit)	36	SA2-37	798,805	2,492,481	167	VES	DRD	
		Poukkan	Poukkan	37	SA2-38	796,554	2,481,964	105	VES	DRD	No possibility
		Yonepingone	Shwenyaungtaw	38	SA2-39	803,378	2,470,867	105	VES	DRD	No possibility
		Khawtaw	Sabeidaw	39	SA2-40	786,537	2,473,987	99	VES	DRD	No possibility

垂直電気探査地点一覧表（マンダレー地域）

Region	Township	Village Tracks	Villages	No.	ID	Coordinate of Survey Point (WGS84 UTM)			Survey Method	Surveyor	Remarks
						x	y	z			
Mandalay	Mahlaing	Yayhtwet	Htantawgyi	-	MA2-01	Please refer to appended table 5.2.4			2D	ESS	
		Kyatse	Asone	1	MA2-02	769,139	2,329,229	283	VES	GH	
		Yaychobutar	Khinthar(S)	2	MA2-03	782,173	2,317,120	305	VES	GH	
	Myingyan	Chaysay	Chaysay	3	MA2-04	753,016	2,368,981	130	VES	DRD	
		Pinlai	Talgyi	4	MA2-05	758,848	2,404,789	105	VES	DRD	
		Kuywar	Kuywar	5	MA2-06	750,116	2,369,227	117	VES/2D	DRD/ESS	No possibility
		Phatpin-I	Nyaungwum	6	MA2-08	755,305	2,403,440	106	VES	GH	No possibility
	Ngazon	Kaungzin	Kaungzin	-	MA2-11	Please refer to appended table 5.2.4			2D	ESS	
	Natogyi	Myinni	Kyaungkangyibin	-	MA2-14	Please refer to appended table 5.2.4			2D	ESS	
		Nyaunggone	Nyaunggone	-	MA2-15	Please refer to appended table 5.2.4			2D	ESS	
	Taungtha	Obo	Chaungnar	-	MA2-16	Please refer to appended table 5.2.4			2D	ESS	No possibility
		Zagyan	Chaungsone(La)	7	MA2-17	735,402	2,354,865	169	VES	GH	
		Kyaukkar	Kyaukkartaungkone	-	MA2-18	Please refer to appended table 5.2.4			2D	ESS	No possibility
		Kanmyel	Tharzi	8	MA2-19	740,013	2,346,810	192	VES	GH	
		Kanmyel	Kanaye	9	MA2-20	740,583	2,349,003	181	VES	GH	
		Tharyarmyaing	Tharyarmyaing	-	MA2-21	Please refer to appended table 5.2.4			2D	ESS	
	Yamethin	Myinnar	Oakpo	10	MA2-22	826,979	2,270,938	187	VES	DRD	
		Nabukyin	Kangyi	11	MA2-23	828,886	2,246,238	214	VES	DRD	
	Pyawbwe	Seitcho	Htanekan	12	MA2-24	804,460	2,275,571	230	VES	DRD	
		Seitcho	Waryonesu	13	MA2-25	804,970	2,275,449	226	VES	DRD	
	Nyaungoo	Sinthamway	Talkone	14	MA2-26	721,119	2,347,365	248	VES	DRD	
		Tawbyar	Tawbyar	15	MA2-27	726,266	2,345,916	304	VES	DRD	
		Setsetyo	Setsetyo	16	MA2-28	721,827	2,329,520	442	VES	DRD	
		Pyon	Kanzauk	17	MA2-29	709,761	2,328,732	351	VES	DRD	
		Kantain	Talbindel	18	MA2-30	719,641	2,332,401	378	VES	DRD	
		Tawpyar	Mongywettaw	19	MA2-31	724,267	2,337,251	286	VES	DRD	
		Tuywintaung	Phoenekan	-	MA2-32	Please refer to appended table 5.2.4			2D	ESS	
		Nyaungbinthar	Nyaungbinthar	-	MA2-33	Please refer to appended table 5.2.4			2D	ESS	
		Kudaw	Saingkan(Tetide)	20	MA2-34	724,351	2,328,820	427	VES	DRD	
		Byugyi	Byugyi	21	MA2-35	724,225	2,325,313	467	VES	DRD	
	Kyaukpadaung	Tangkan	Aleywar-2	-	MA2-38	Please refer to appended table 5.2.4			2D	ESS	
		Lelgyi(N)	Lelgyi(Ma)	-	MA2-38	Please refer to appended table 5.2.4			2D	ESS	
		Kanbyu	Thayattaw	22	MA2-39	729,095	2,325,329	394	VES	DRD	
		Nakyatkhwal	Nakyatkhwal	23	MA2-40	720,311	2,312,065	433	VES	DRD	

垂直電気探査地点一覧表（マグウェー地域）

Region	Township	Village Tracks	Villages	No.	ID	Coordinate of Survey Point (WGS84 UTM)			Survey Method	Surveyor	Remarks
						x	y	z			
Magway	Magway	Natkan	Natkan	1	MG2-01	706,551	2,233,834	167	VES	ESS	
		Sharzaungkan	Thanbo(Ywarthit)	2	MG2-02	716,284	2,216,242	156	VES	ESS	
		Kyarkan	Nyaungbinthar	3	MG2-03	737,918	2,244,076	267	VES	ESS	
		Nyaungbinthar	Konegyi	4	MG2-04	718,820	2,237,250	263	VES	ESS	
		Paypinsan	Sainggya	5	MG2-05	725,337	2,213,980	232	VES	ESS	
		Thapyaysan	Thapyaysan(N)	6	MG2-06	712,481	2,227,459	174	VES	ESS	
		Supyitsan	Shwekyaw	7	MG2-07	733,733	2,207,455	235	VES	ESS	
		Nyaungkan	Leikkan	8	MG2-08	727,137	2,239,525	168	VES	ESS	
		Nyaungkan	Ywarthitgyi	9	MG2-09	722,040	2,238,165	211	VES	ESS	
	Chauk	Thanbo	Kanyaygyi	10	MG2-10	702,719	2,281,976	319	VES	GH	
		Myaysoon	Myaysoon(Ywarthit)	11	MG2-11	698,121	2,277,376	231	VES	GH	
		Zeebwar	Zeebwar	-	MG2-12	Please refer to appended table 5.2.5			2D	ESS	
		Chaungtat	Yenpyay	12	MG2-13	691,263	2,301,508	164	VES	GH	
		Pakharinge	Kyatesu(N)	13	MG2-14	685,564	2,292,820	95	VES	GH	
		Salintaung	Winkabar	14	MG2-15	684,439	2,287,271	64	VES	GH	
		Magyikone	Kyatkan	15	MG2-16	685,567	2,292,822	95	VES	GH	
		Gwaypin	Sudat	16	MG2-17	706,601	2,285,682	386	VES	GH	
		Nyaungzin	Myaynilain	17	MG2-18	698,822	2,287,046	306	VES	GH	
	Yenangyaung	Indaw	Legyinyo	-	MG2-19	Please refer to appended table 5.2.5			2D	ESS	
	Myothit	Laytinesin	Laytinesin(S)	18	MG2-20	732,777	2,235,825	166	VES	GH	
		Laytinesin	Tharmyar	19	MG2-21	736,054	2,241,105	217	VES	GH	
		Laytinesin	Aungmyinthar	20	MG2-22	733,165	2,231,570	154	VES	GH	
		Wargyiini	Ngwelay	21	MG2-23	738,865	2,222,523	125	VES	GH	
		Htauksharkan	Indaw(N)	22	MG2-24	742,485	2,229,625	131	VES	GH	
		Manawtkone	Manawtgone	23	MG2-26	731,842	2,222,261	96	VES	GH	
	Natmauk	I-Sauk	Kangyigone	24	MG2-27	742,472	2,259,236	269	VES	ESS	
		Htonepoutchine	Htonepoutchine	-	MG2-28	Please refer to appended table 5.2.5			2D	ESS	
		Sellel	Sellel	-	MG2-30	Please refer to appended table 5.2.5			2D	ESS	No possibility
		Tegyi	Ywartharlay	25	MG2-32	730,882	2,275,379	292	VES	ESS	No possibility
		Wayonegone	Wayonegone	-	MG2-33	Please refer to appended table 5.2.5			2D	ESS	
		Htonepoutchine	Nyaunggone	26	MG2-34	732,712	2,256,221	303	VES	ESS	
		I-Zauk	Kyugyaung	27	MG2-35	744,680	2,259,329	241	VES	ESS	
	Taungdwingyi	Pantwinlay	Kokkohla	28	MG2-36	765,975	2,218,607	153	VES	ESS	No possibility
		Payatkyal	Kangyigone	-	MG2-37	Please refer to appended table 5.2.5			2D	ESS	
		Warthonepyu	Htaukkyantgwin	29	MG2-38	772,133	2,184,859	168	VES/2D	ESS/GH	
		Hlebwegyi	Hlebwegyi	30	MG2-39	747,687	2,200,683	147	VES	VES	
		Hlebwegyi	Yayhtwetgyi	31	MG2-40	743,050	2,197,425	230	VES	VES	

2 次元電気探査地点一覧表（ザガイン地域・マンダレー地域）

Region	Township	Village Tracks	Villages	No.	ID	Line No.	Station No. (m)	Coordinate (WGS84 UTM) x	Coordinate (WGS84 UTM) y	Remarks
Sagaing	Salingyi	Moe Kyo Pyin	Kine	1	SA2-17	1	0	711,302	2,437,665	The possibility cannot be found.
							315	711,589	2,437,534	
							470	711,732	2,437,475	
						-	VES	711,640	2,437,561	
Mandalay	Mahlaing	Yayhtwet	Htantawgyi	1	MA2-01	1	0	766,801	2,339,158	
							315	767,110	2,339,198	
							450	**767,245**	**2,339,217**	Recommended DP[1]
							630	767,418	2,339,235	
	Myingyan	Kuywar	Kuywar	2	MA2-06	1	0	748,929	2,369,485	The possibility cannot be found.
							155	749,074	2,369,535	
							470	749,373	2,369,634	
						-	VES	750,116	2,369,227	
	Ngazon	Kaungzin	Kaungzin	3	MA2-11	1	0	764,847	2,403,319	
							155	765,000	2,403,339	
							310	765,154	2,403,359	
							Projected	**764,968**	**2,403,452**	Recommended DP
	Natogyi	Myinni	Kyaungkangyibin	4	MA2-14	1	0	757,235	2,368,537	
							120	**757,350**	**2,368,566**	Recommended DP
							470	757,696	2,368,613	
							630	757,855	2,368,617	
		Nyaunggone	Nyaunggone	5	MA2-15	1	0	771,985	2,368,620	
							155	772,054	2,368,758	
							175	**772,061**	**2,368,773**	Recommended DP
							310	772,141	2,368,894	
	Taungtha	Obo	Chaungnar	6	MA2-16	1	0	751,231	2,358,085	The possibility cannot be found.
							315	751,538	2,358,137	
							630	751,852	2,358,189	
		Kyaukkar	Kyaukkartaungkone	7	MA2-18	1	0	748,976	2,341,550	The possibility cannot be found.
							470	749,365	2,341,816	
		Tharyarmyaing	Tharyarmyaing	8	MA2-21	1	0	745,606	2,342,675	
							275	**745,860**	**2,342,787**	Recommended DP
							315	745,889	2,342,809	
							630	746,181	2,342,934	
	Nyaungoo	Tuywintaung	Phoenekan	9	MA2-32	1	0	703,831	2,333,926	The possibility cannot be found.
							155	703,700	2,334,006	
							470	703,454	2,334,189	
						2	0	703,400	2,334,497	The survey line for grasp to resistivity distribution of existing tube well
							295	703,693	2,334,484	
							450	703,844	2,334,490	
						3	0	703,720	2,334,028	
							155	703,880	2,334,002	
							160	**703,892**	**2,333,983**	Recommended DP
							310	704,023	2,333,971	
		Nyaungbinthar	Nyaungbinthar	10	MA2-33	1	0	712,198	2,322,461	
							100	**712,282**	**2,322,514**	Recommended DP
							320	712,472	2,322,617	
							470	712,599	2,322,697	
	Kyaukpadaung	Tangkan	Aleywar-2	11	MA2-36	1	0	718,310	2,309,421	
							310	718,443	2,309,695	
							520	**718,526**	**2,309,861**	Recommended DP
							630	718,601	2,309,973	
						2	0	718,393	2,309,558	The possibility cannot be found.
							315	718,678	2,309,684	
							470	718,819	2,309,749	
		Lelgyi(N)	Lelgyi(Ma)	12	MA2-38	1	0	734,329	2,325,827	
							175	**734,378**	**2,325,660**	Recommended DP
							315	734,415	2,325,527	
							470	734,462	2,325,378	

2 次元電気探査地点一覧表（マグウェー地域）

Region	Township	Village Tracks	Villages	No	ID	Line No.	Station No. (m)	Coordinate (WGS84 UTM) x	Coordinate (WGS84 UTM) y	Remarks
Magway	Chauk	Zeebwar	Zeebwar	1	MG2-12	1	0	711,578	2,299,014	
							275	711,799	2,299,179	Recommended DP
							315	711,836	2,299,204	
							470	711,959	2,299,298	
	Yenangyaung	Indaw	Legyinyo	2	MG2-19	1	0	723,913	2,266,597	
							315	724,163	2,266,788	
							380	724,221	2,266,827	Recommended DP
							630	724,418	2,266,972	
	Natmauk	Htonepoutchine	Htonepoutchine	3	MG2-28	1	0	730,842	2,255,340	
							210	731,018	2,255,457	Recommended DP
							470	731,237	2,255,605	
		Sellel	Sellel	4	MG2-30	1	0	782,988	2,258,915	The possibility cannot be found.
							440	783,428	2,258,888	
		Wayonegone	Wayonegone	5	MG2-33	1	0	734,840	2,268,012	
							310	735,144	2,268,061	Recommended DP
							630	735,455	2,268,109	
	Taungdwingyi	Payatkyal	Kangyigone	6	MG2-37	1	0	762,199	2,193,020	
							160	762,353	2,192,994	
							330	762,531	2,193,000	Recommended DP
							470	762,686	2,193,006	
		Warthonepyu	Htaukkyantgwin	7	MG2-38	1	0	771,970	2,184,938	The possibility cannot be found on 2D electrical sounding result.
							155	772,122	2,184,918	
							470	772,431	2,184,874	
						–	VES	772,133	2,184,859	Recommended DP

*1) DP : Drilling Point

5.2.2 物理探査調査結果

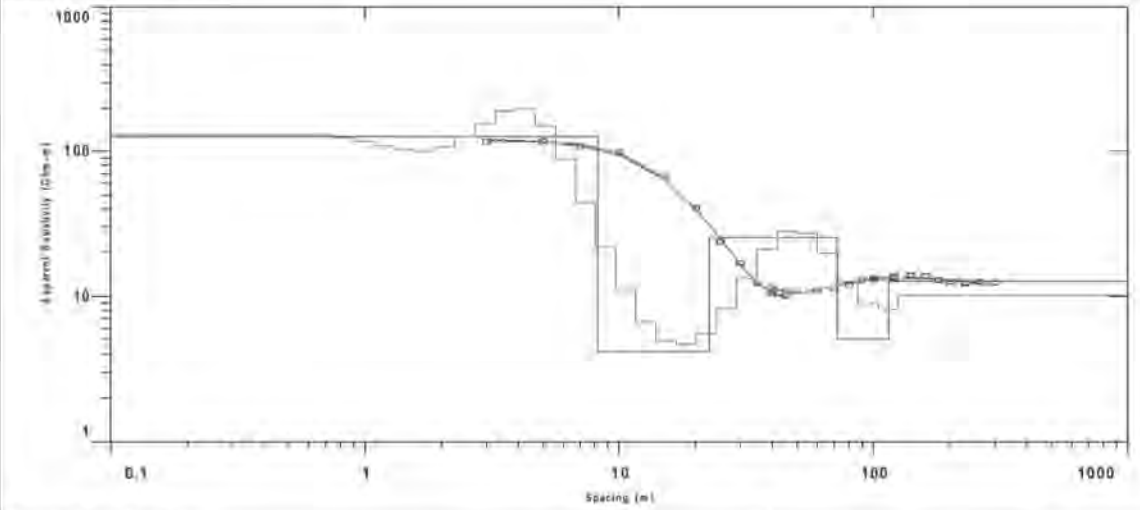
垂直電気探査（ザガイン地域）

SA2-01 Yonedaw Village
SA2-02 Nyaungbinthar Village
SA2-03 Maunghtaung Village
SA2-04 Kantawthar Village
SA2-05 Mhonehtoo Village
SA2-06 Watluu-I Village
SA2-07 Thanbinkan Village
SA2-08 Natyaygan Village
SA2-09 Sithar Village
SA2-10 Oakkan Village
SA2-11 Warryaung Village
SA2-12 Warrtannkalay Village
SA2-13 Yathar Village
SA2-14 Zeepinlel Village
SA2-15 Yonebinyoe Village
SA2-16 Minntaw Village
SA2-17 Kine Village
SA2-18 Kalarpyan Village
SA2-19 Hlayookan Village
SA2-21 Watkya Village
SA2-22 Thahtaykone(Ywarma) Village
SA2-23 Magyidaw Village
SA2-24 Thindaw Village
SA2-25 Lwingyi Village
SA2-26 Koetaungboh(Kyunkone) Village
SA2-27 Inngoteto Village
SA2-28 Myayhtoo Village
SA2-29 Khaowntar Village
SA2-30 Nyuangkanthar Village
SA2-31 Myaymon Village
SA2-32 Layytwinzin Village
SA2-33 Chaungchar Village
SA2-34 Minyogone Village
SA2-35 Shandaw Village
SA2-36 Kyuntaw (S) Village
SA2-37 PalaeThwe (Ywarthit) Village
SA2-38 Poukkan Village
SA2-39 Shwenyaungtaw Village
SA2-40 Sabeidaw Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

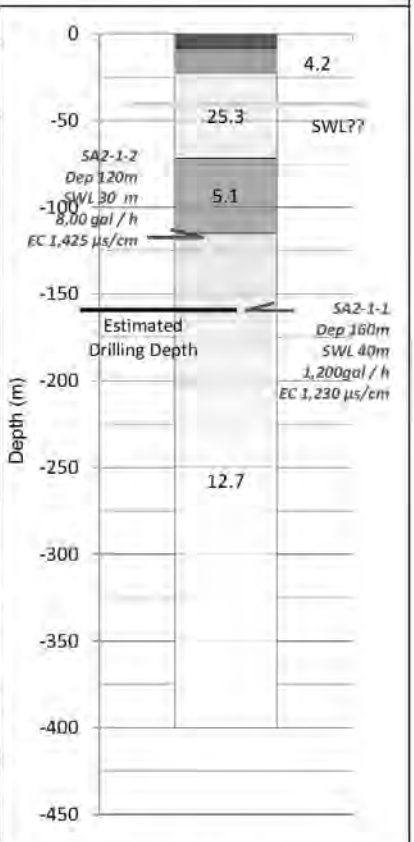
Village ID	SA2-01	Survey Date	30/05/2015
Village	Yonedaw	Coordinate	X : 721,184
Township	Budalin	(WGS 84 UTM Zone 46N)	Y : 2,468,685
Region	Sagaing	Elevation (m)	Z : 110

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	125.9	8.2	-8.2	Alluvium deposit (Sand: Unsaturated)
2nd	4.2	14.3	-22.6	Irrawaddy formation (Clay)
3rd	25.3	49.1	-71.7	Irrawaddy formation (Sand : Unsaturated)
4th	5.1	43.2	-114.9	Irrawaddy formation (Clay)
5th	12.7			Irrawaddy formation (Sand - Silt : Saturated)
6th				
7th				



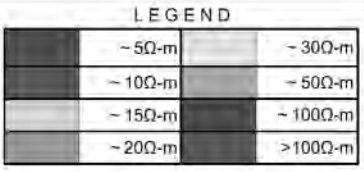
Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	Sand - Silt (Ir)	Estimated SWL(GL-m)	40m (Confined?)
	Depth (m)	>115m	Remarks:	
	Thickness (m)	>45m		
	Resistivity (Ω-m)	12.7		

Results of Evaluation

Estimated Drilling Depth(m)	160 m	Possibility / Priority	C : Low-Medium Priority 5

Remarks
Drilling depth is decided by information of existing tube well.

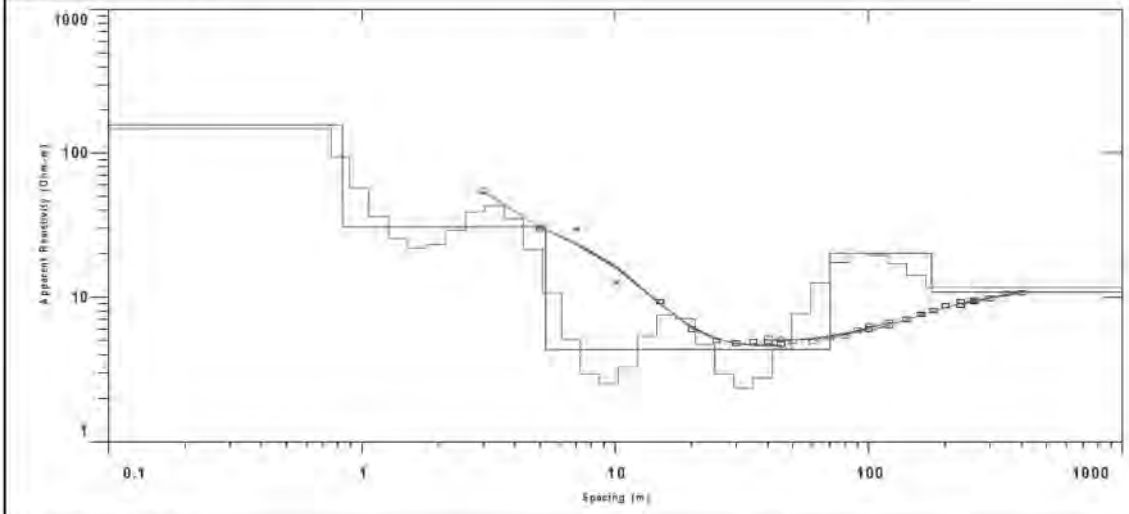


SA2-01 Yonedaw Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

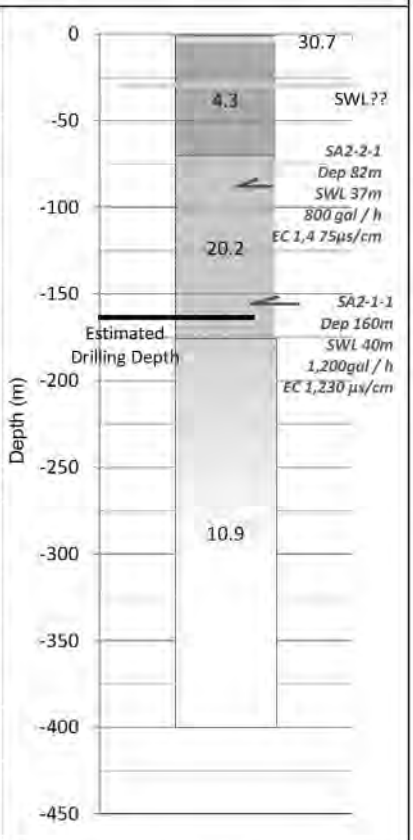
Village ID	SA2-02	Survey Date	01/06/2015
Village	Nyaungbinthar	Coordinate	X : 720,885
Township	Budalin	(WGS 84 UTM Zone 46N)	Y : 2,486,381
Region	Sagaing	Elevation (m)	Z : 108

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	157.2	0.8	-0.8	Top Soil
2nd	30.7	4.4	-5.3	Alluvium deposit (Silt: Unsaturated)
3rd	4.3	65.1	-70.3	Irrawaddy formation (Clay)
4th	20.2	105.5	-175.9	Irrawaddy formation (Sand : Saturated)
5th	10.9			Irrawaddy formation (Silt : Saturated)
6th				
7th				



Estimation Results of Hydrogeological Information

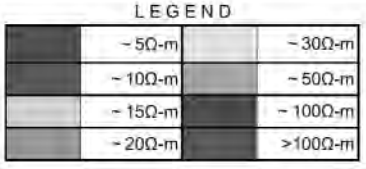
Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	40m (Confined?)
	Depth (m)	70.3-176m	Remarks:	
	Thickness (m)	>90m		
	Resistivity (Ω-m)	20.2		

Results of Evaluation

Estimated Drilling Depth(m)	160 m	Possibility / Priority	A : High Priority 3

Remarks

Drilling depth is decided by existing tube well which is located near the site.

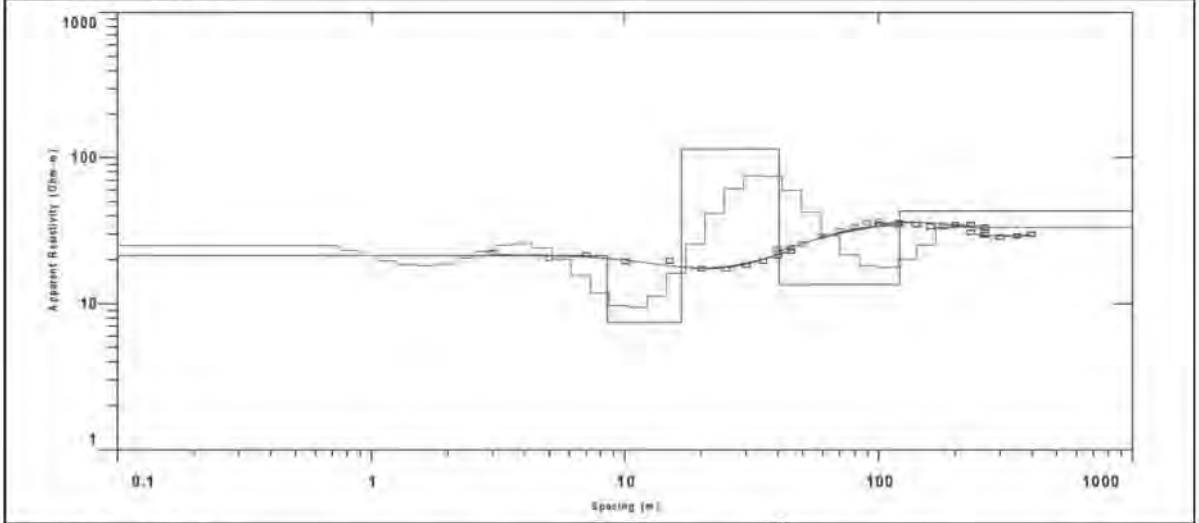


SA2-02 Nyaungbinthar Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

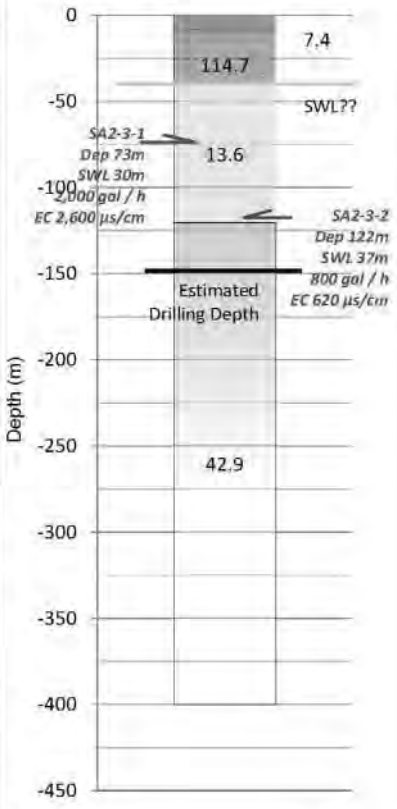
Village ID	SA2-03	Survey Date	01/06/2015
Village	Maunghtaung	Coordinate	X : 712,894
Township	Budalin	(WGS 84 UTM Zone 46N)	Y : 2,487,822
Region	Sagaing	Elevation (m)	Z : 121

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	21.4	8.5	-8.5	Top soil / Alluvium deposit (Silt-Sand)
2nd	7.4	8.2	-16.7	
3rd	114.7	23.8	-40.5	Irrawaddy formation (Sand with Gravel)
4th	13.6	80.0	-120.5	Irrawaddy formation (Silt : Saturated)
5th	42.9			Irrawaddy formation (Sand: Saturated)
6th				
7th				



Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	40 m
	Depth (m)	>120m	Remarks:	
	Thickness (m)	>30m		
	Resistivity (Ω-m)	42.9		

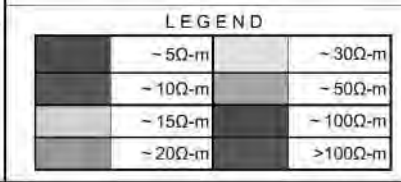
Results of Evaluation

Estimated Drilling Depth(m)	150 m	Possibility / Priority	B : Medium Priority 4

Remarks

It is estimated that potential of upper aquifer(40.5-120.5m) is low, and water quality has little problem. (Salty)

From these reasons, target aquifer has been set to more deeper part.

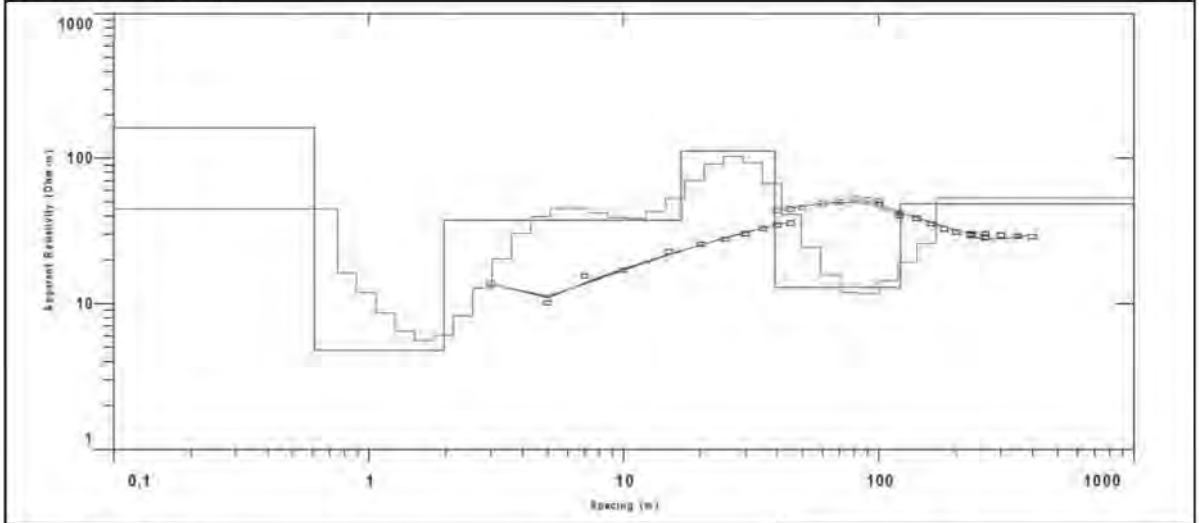


SA2-03 Maunghtaung Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

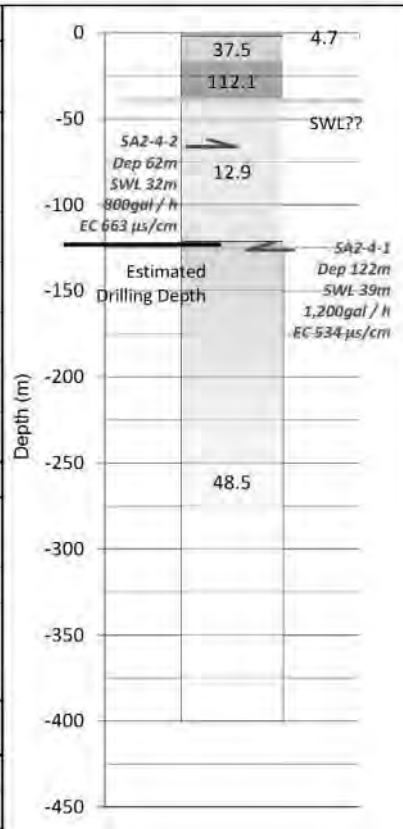
Village ID	SA2-04	Survey Date	31/05/2015
Village	Kantawthar	Coordinate (WGS 84 UTM Zone 46N)	X : 704,295
Township	Budalin		Y : 2,487,734
Region	Sagaing	Elevation (m)	Z : 157

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	163.0	0.6	-0.6	Top Soil
2nd	4.7	1.3	-2.0	
3rd	37.5	14.8	-16.8	Irrawaddy formation (Sand-Silt Unsaturated)
4th	112.1	22.4	-39.2	Irrawaddy formation (Sand with Gravel)
5th	12.9	82.3	-121.4	Irrawaddy formation (Sand :Saturated)
6th	48.5			Irrawaddy formation (Coarse Sand? :Saturated)
7th				



Estimation Results of Hydrogeological Information

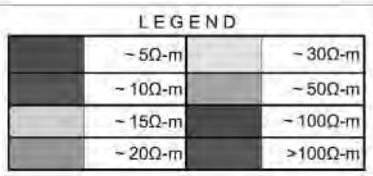
Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	39 m
	Depth (m)	>39m	Remarks:	
	Thickness (m)	>85m		
	Resistivity (Ω-m)	12.9 - 48.5		

Results of Evaluation

Estimated Drilling Depth(m)	125 m	Possibility / Priority	C : Low-Medium
			Priority 5

Remarks

Drilling depth is decided by information of exisiting tube well.

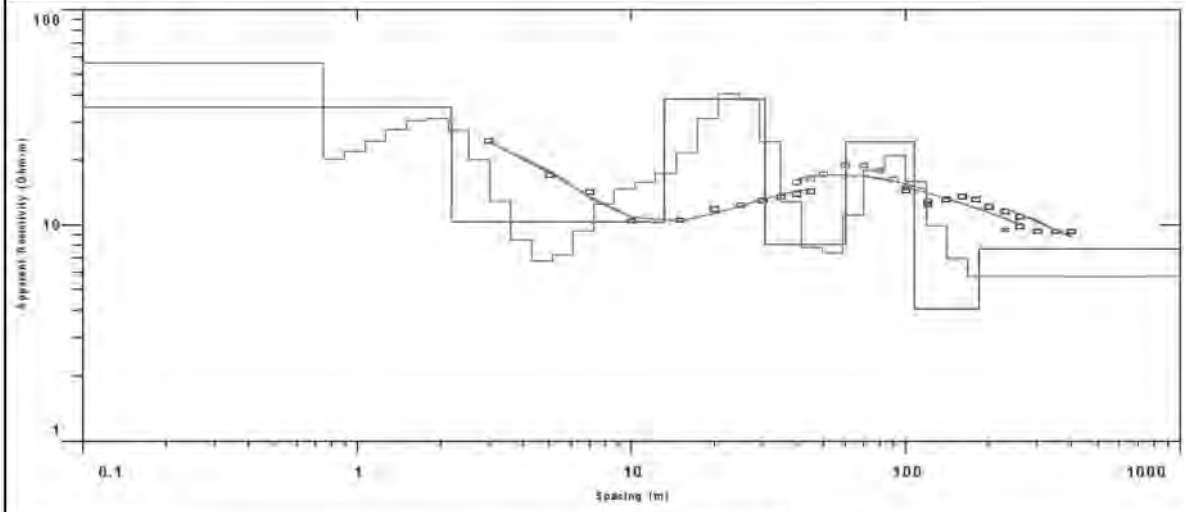


SA2-04 Kantawthar Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

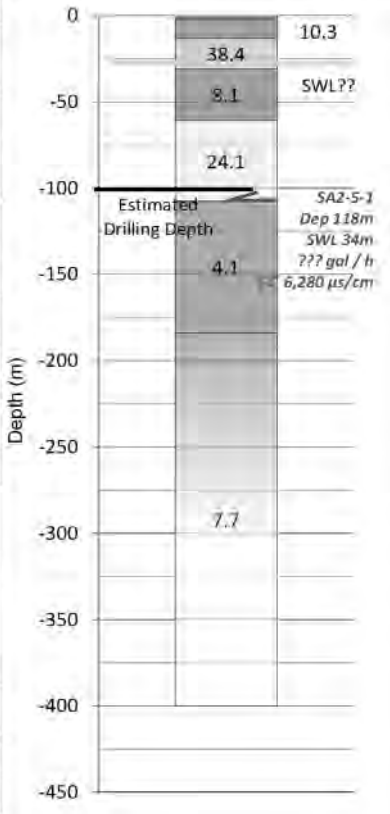
Village ID	SA2-05	Survey Date	01/06/2015
Village	Mhonehtoo	Coordinate	X : 729,874
Township	Budalin	(WGS 84 UTM Zone 46N)	Y : 2,471,014
Region	Sagaing	Elevation (m)	Z : 108

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	35.3	2.2	-2.2	Top Soil
2nd	10.3	11.0	-13.2	Pegu group (Mudstone)
3rd	38.4	17.5	-30.7	Pegu group (Mud-Siltstone)
4th	8.1	29.9	-60.6	Pegu group (Mudstone)
5th	24.1	47.0	-107.5	Pegu group (Sandstone)
6th	4.1	76.5	-184.0	Pegu group (Mudstone)
7th	7.7			Pegu group (Mudstone)



Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	30 m
	Depth (m)	60 - 108	Remarks:	
	Thickness (m)	>50m		
	Resistivity (Ω-m)	24.1		

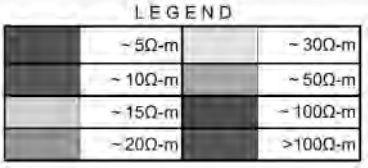
Results of Evaluation

Estimated Drilling Depth(m)	100 m	Possibility / Priority	A : High Priority 3

Remarks

Drilling depth is decided by information of existing tube well.

There is the possibility that the water quality worsens at 100m or lower.

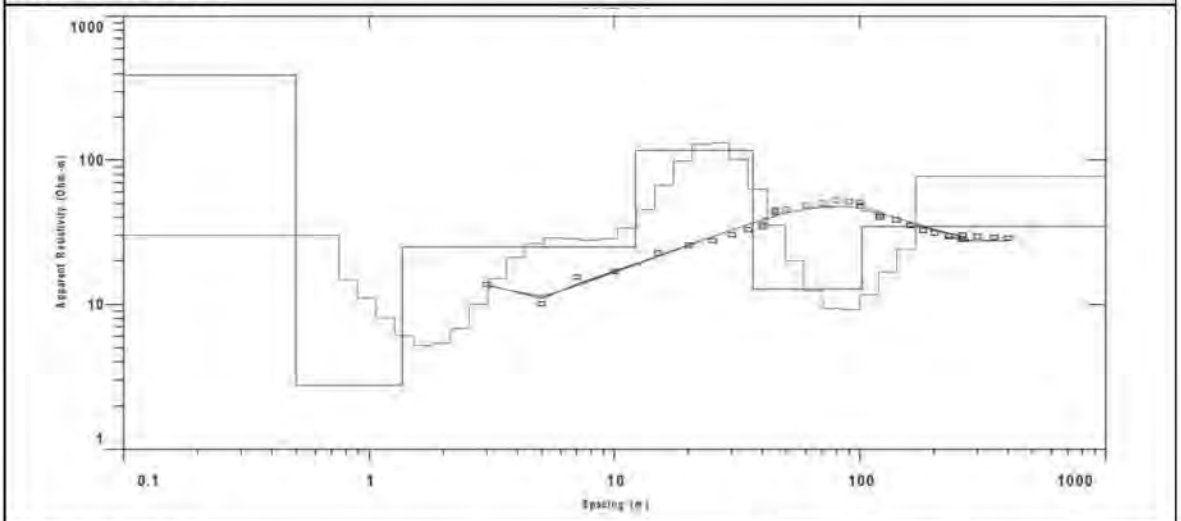


SA2-05 Mhonehtoo Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

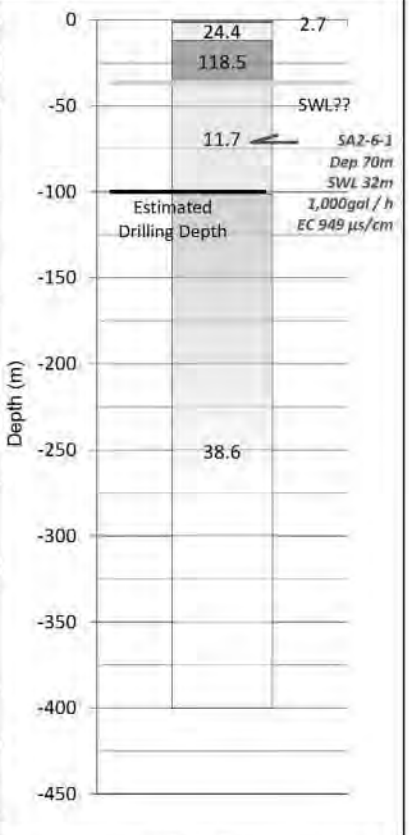
Village ID	SA2-06	Survey Date	31/05/2015
Village	Watluu-I	Coordinate	X : 700,719
Township	Budalin	(WGS 84 UTM Zone 46N)	Y : 2,482,574
Region	Sagaing	Elevation (m)	Z : 114

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	408.5	0.5	-0.5	Top soil
2nd	2.7	0.8	-1.3	Top soil
3rd	24.4	10.6	-11.9	Irrawaddy formation (Sand : Unsaturated)
4th	118.5	24.5	-36.4	Irrawaddy formation (Sand with Gravel)
5th	11.7	64.7	-101.0	Irrawaddy formation (Sand - Silt : Saturated)
6th	38.6			Irrawaddy formation (Sand : Saturated)
7th				



Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	Sand - Silt (Ir)	Estimated SWL(GL-m)	36 m
	Depth (m)	36 - 101m	Remarks:	
	Thickness (m)	>65m		
	Resistivity (Ω-m)	11.7		

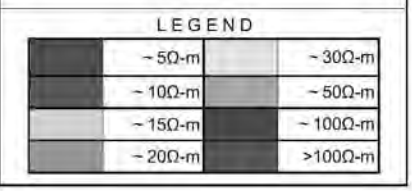
Results of Evaluation

Estimated Drilling Depth(m)	100 m	Possibility / Priority	C : Low-Medium
			Priority 5

Remarks

From resisitivity value of target aquifer,It is expected that capacity of target aquifers is low.

Therefore,It is recommended that drilling depth is set to deep part as possible.

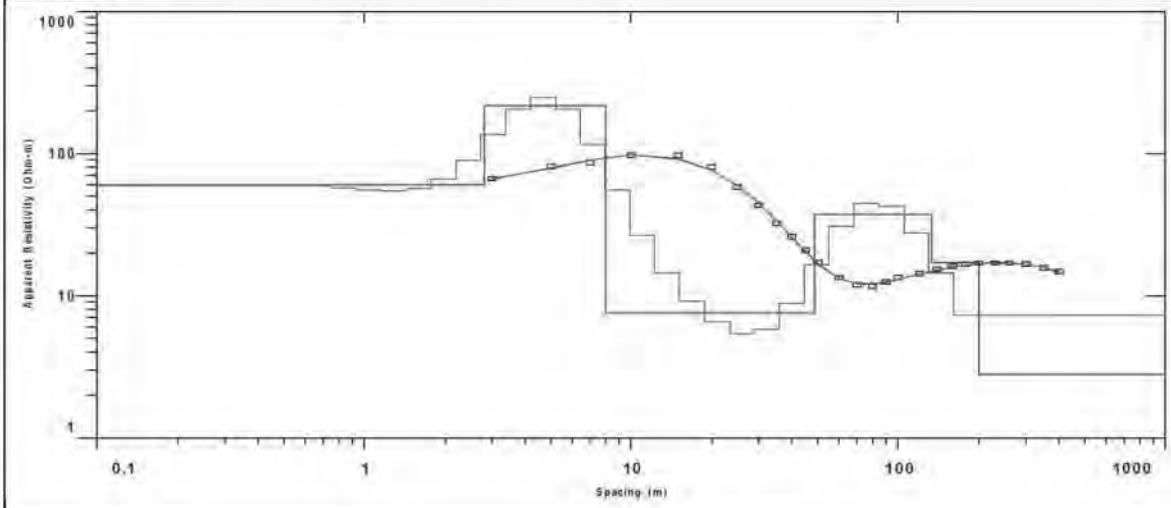


SA2-06 Watluu-I Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

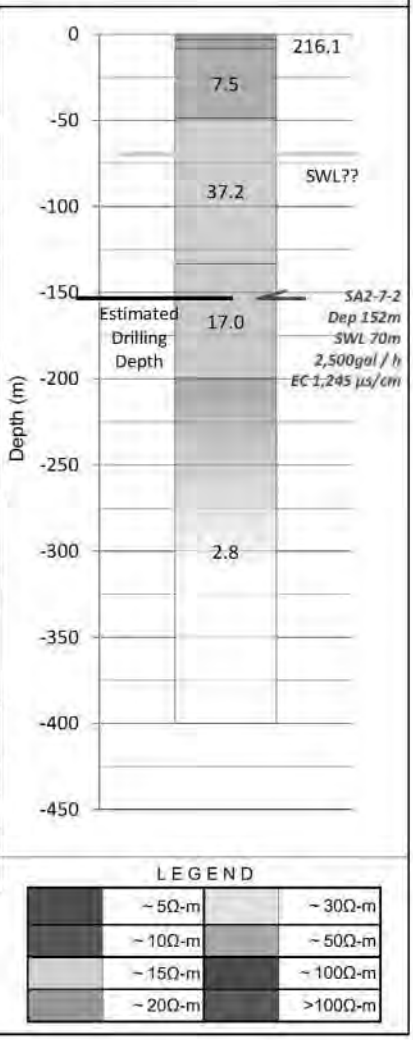
Village ID	SA2-07	Survey Date	23/06/2015
Village	Thanbinkan	Coordinate	X : 742,454
Township	Chaungoo	(WGS 84 UTM Zone 46N)	Y : 2,430,400
Region	Sagaing	Elevation (m)	Z : 171

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	59.8	2.8	-2.8	Top Soil
2nd	216.1	5.2	-8.0	Irrawaddy formation (Sand with Gravel)
3rd	7.5	40.8	-48.8	Irrawaddy formation (Clay)
4th	37.2	84.5	-133.2	Irrawaddy formation (Sand : Saturated)
5th	17.0	66.5	-199.8	
6th	2.8			Irrawaddy formation (Clay)
7th				



Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	70 m
	Depth (m)	49 - 200	Remarks:	
	Thickness (m)	>100m		
	Resistivity (Ω-m)	37.2-17		

Results of Evaluation

Estimated Drilling Depth(m)	150 m	Possibility / Priority	A : High Priority 3

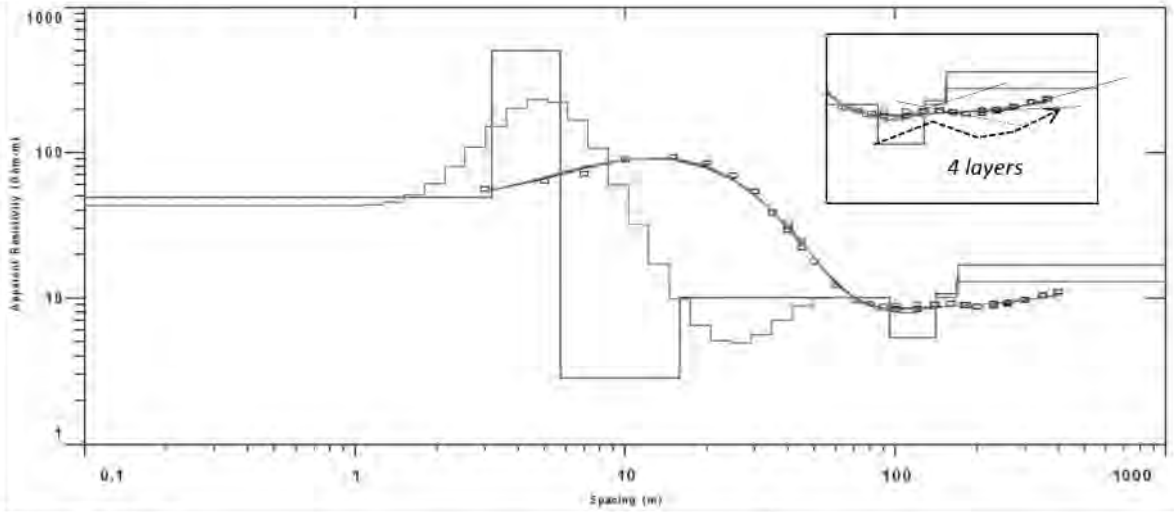
Remarks
Drilling depth is decided by information of existing tube well.

SA2-07 Thanbinkan Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

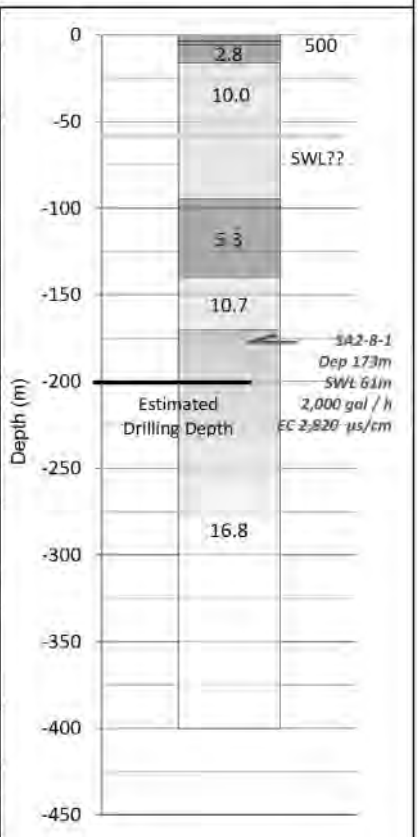
Village ID	SA2-08	Survey Date	24/06/2015
Village	Natyaygan	Coordinate	X : 743,821
Township	Chaungoo	(WGS 84 UTM Zone 46N)	Y : 2,426,594
Region	Sagaing	Elevation (m)	Z : 144

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	49.0	3.2	-3.2	Top Soil
2nd	500.0	2.5	-5.7	
3rd	2.8	10.2	-15.9	Irrawaddy formation (Clay)
4th	10.0	78.9	-94.8	Irrawaddy formation (Silt)
5th	5.3	45.5	-140.4	Irrawaddy formation (Clay)
6th	10.7	30.0	-170.4	Irrawaddy formation (Silt)
7th	16.8			Irrawaddy formation (Sand : Saturated)



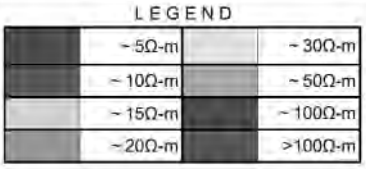
Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	61 m
	Depth (m)	>170m	Remarks:	
	Thickness (m)	>30m		
	Resistivity (Ω-m)	16.8		

Results of Evaluation

Estimated Drilling Depth(m)	200 m	Possibility / Priority	B : Medium Priority 3

Remarks

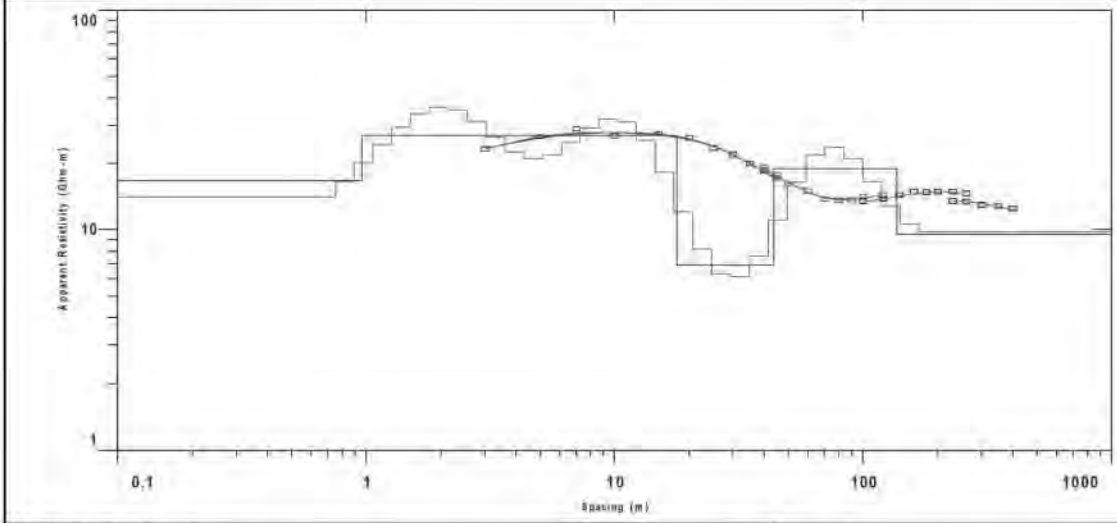


SA2-08 Natyaygan Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

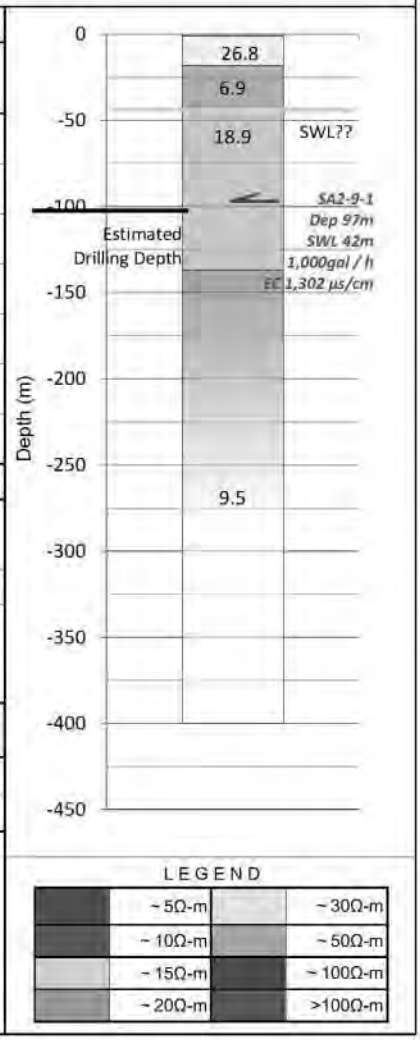
Village ID	SA2-09	Survey Date	05/06/2015
Village	Sithar	Coordinate	X : 742,840
Township	Ayadaw	(WGS 84 UTM Zone 46N)	Y : 2,472,680
Region	Sagaing	Elevation (m)	Z : 220

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	16.8	1.0	-1.0	Top Soil
2nd	26.8	16.9	-17.8	Irrawaddy formation (Sand - Silt : Unsaturated)
3rd	6.9	25.9	-43.8	Irrawaddy formation (Clay)
4th	18.9	93.0	-136.8	Irrawaddy formation (Sand : Saturated)
5th	9.5			Irrawaddy formation (Silt : Saturated)
6th				
7th				



Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	44 m
	Depth (m)	44-137m	Remarks:	
	Thickness (m)	>55m		
	Resistivity (Ω-m)	18.9		

Results of Evaluation

Estimated Drilling Depth(m)	100 m	Possibility / Priority	A : High Priority 3

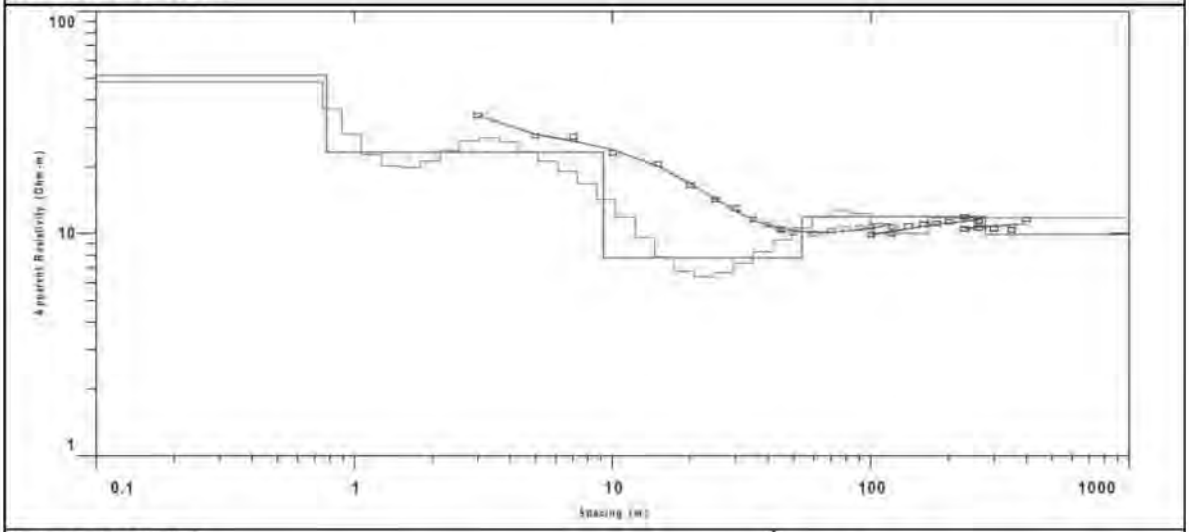
Remarks
Drilling depth is decided by information of existing tube well.

SA2-09 Sithar Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

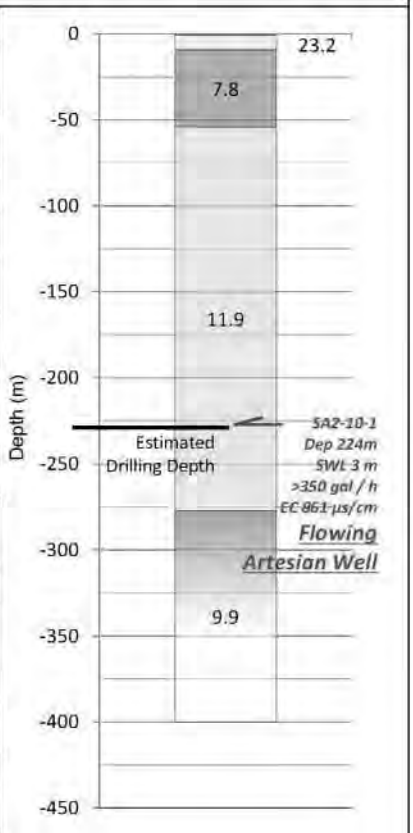
Village ID	SA2-10	Survey Date	04/06/2015
Village	Oakkan	Coordinate	X : 747,838
Township	Ayadaw	(WGS 84 UTM Zone 46N)	Y : 2,482,552
Region	Sagaing	Elevation (m)	Z : 138

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	51.4	0.8	-0.8	Top Soil
2nd	23.2	8.4	-9.2	Alluvium deposit (Silt : Unsaturated)
3rd	7.8	44.7	-53.9	Alluvium / Irrawaddy F (Silt : Unsaturated)
4th	11.9	223.2	-277.2	Irrawady formation (Altenation of Clay and Sand?)
5th	9.9			Irrawady formation (Clay?)
6th				
7th				



Estimation Results of Hydrogeological Information

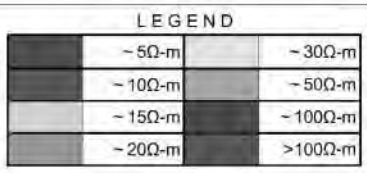
Target Aquifer	Lithology	Altenation of Clay and Sand? (Ir)	Estimated SWL(GL-m)	3m (Confined)
	Depth (m)	54 - 277 m	Remarks:	
	Thickness (m)	?		
	Resistivity (Ω-m)	11.9		

Results of Evaluation

Estimated Drilling Depth(m)	230 m	Possibility / Priority	C : Low-Medium Priority 4

Remarks

Drilling depth is decided by information of existing tube well.

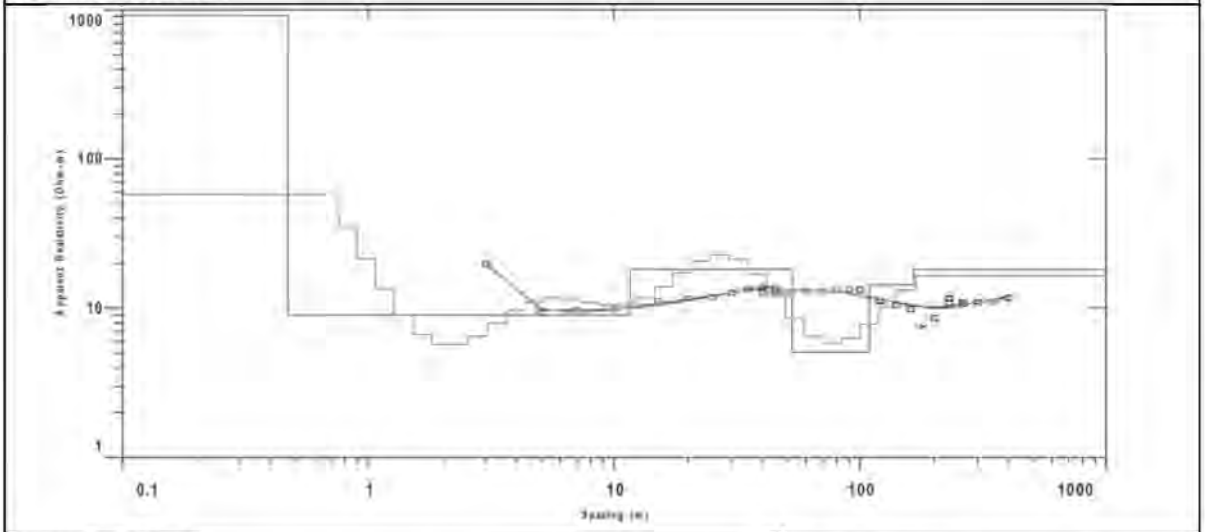


SA2-10 Oakkan Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

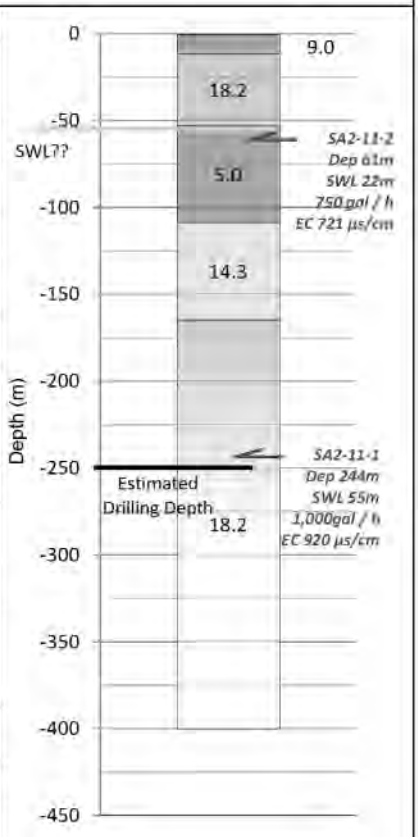
Village ID	SA2-11	Survey Date	03/06/2015
Village	Warryaung	Coordinate	X : 748,170
Township	Ayadaw	(WGS 84 UTM Zone 46N)	Y : 2,458,383
Region	Sagaing	Elevation (m)	Z : 220

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	910.7	0.5	-0.5	Top Soil
2nd	9.0	11.1	-11.6	Irrawaddy formation (Clay-Silt)
3rd	18.2	41.2	-52.8	Irrawaddy formation (Sand : Saturated)
4th	5.0	56.0	-108.8	Irrawaddy formation (Clay)
5th	14.3	55.8	-164.6	Irrawaddy formation (Sand - Silt : Saturated)
6th	18.2			Irrawaddy formation (Sand : Saturated)
7th				



Estimation Results of Hydrogeological Information

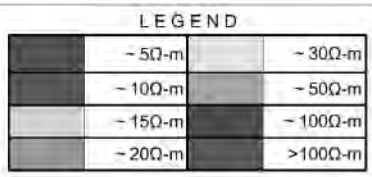
Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	55m (Confined)
	Depth (m)	>165m	Remarks:	
	Thickness (m)	>85m		
	Resistivity (Ω-m)	18.2		

Results of Evaluation

Estimated Drilling Depth(m)	250 m	Possibility / Priority	A : High Priority 2

Remarks

Drilling depth is decided by information of existing tube well.

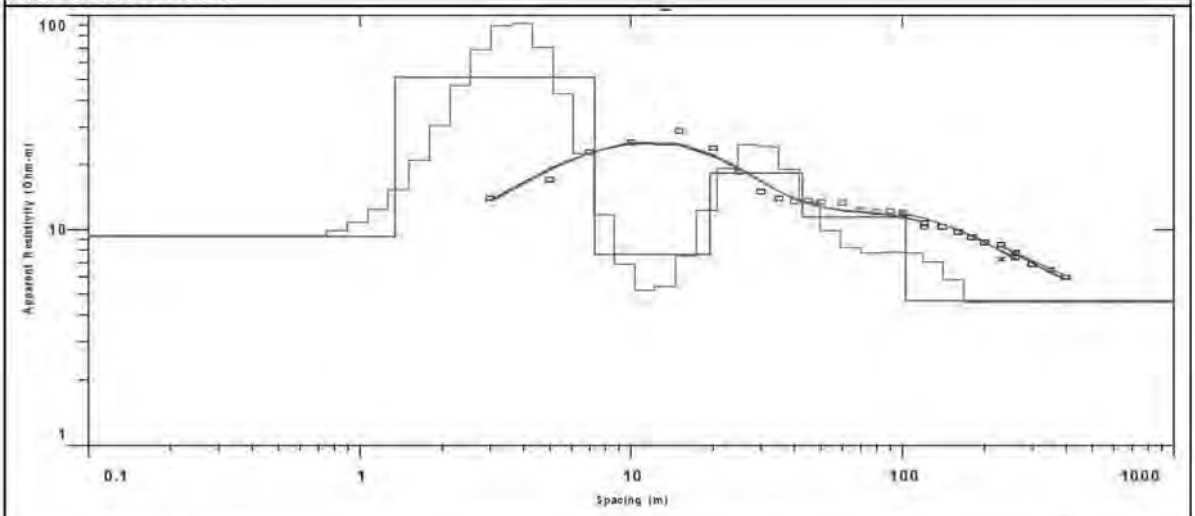


SA2-11 Warryaung Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

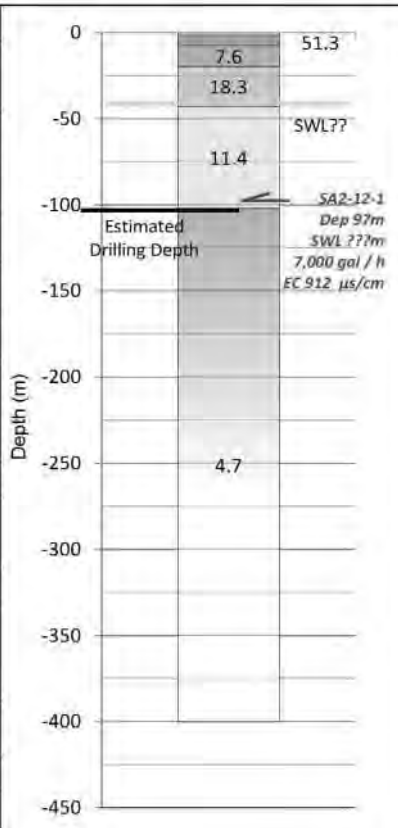
Village ID	SA2-12	Survey Date	04/06/2015
Village	Warrtannkalay	Coordinate	X : 750,823
Township	Ayadaw	(WGS 84 UTM Zone 46N)	Y : 2,470,044
Region	Sagaing	Elevation (m)	Z : 170

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	9.3	1.3	-1.3	Top Soil / Irrawadddy F
2nd	51.3	6.0	-7.3	
3rd	7.6	12.2	-19.5	Irrawaddy formation (Clay - Silt)
4th	18.3	23.3	-42.8	Irrawaddy formation (Sand : Semi Saturated)
5th	11.4	59.3	-102.1	Irrawaddy formation (Sand : Saturated)
6th	4.7			Irrawaddy formation (Clay)
7th				



Estimation Results of Hydrogeological Information

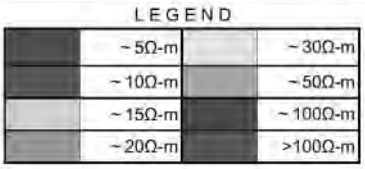
Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	43 m
	Depth (m)	43-102m	Remarks:	
	Thickness (m)	62m		
	Resistivity (Ω-m)	11.4		

Results of Evaluation

Estimated Drilling Depth(m)	105 m	Possibility / Priority	C : Low-Medium Priority 5

Remarks

Drilling depth is decided by information of existing tube well.

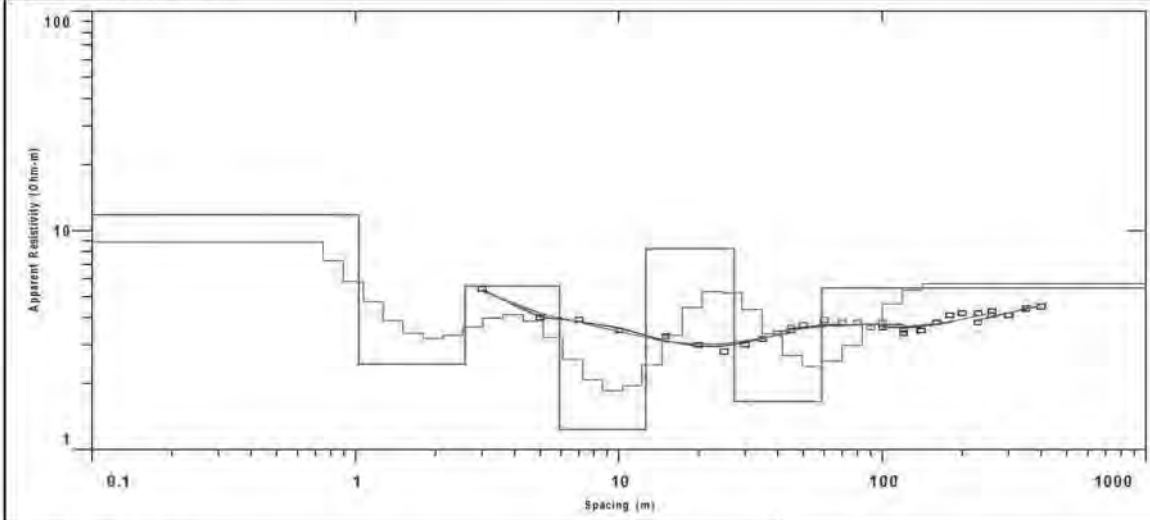


SA2-12 Warrtannkalay Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

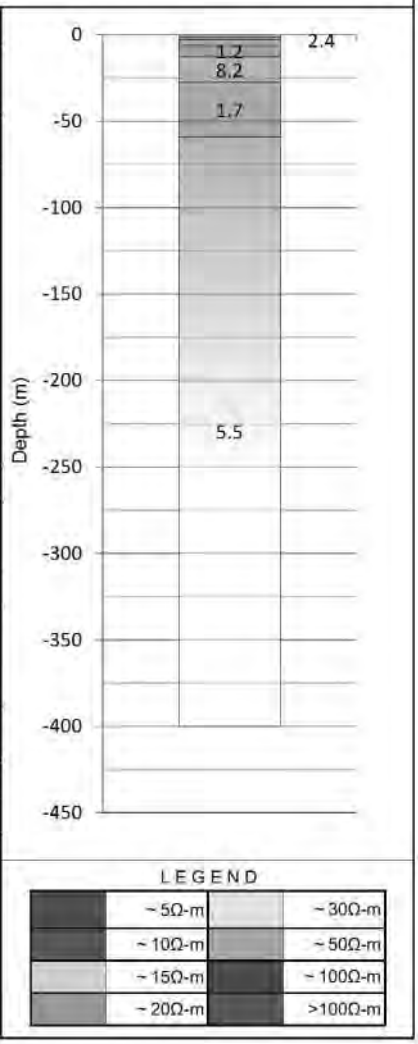
Village ID	SA2-13	Survey Date	03/06/2015
Village	Yathar	Coordinate	X : 766,166
Township	Ayadaw	(WGS 84 UTM Zone 46N)	Y : 2,449,638
Region	Sagaing	Elevation (m)	Z : 212

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	11.8	1.0	-1.0	Top Soil
2nd	2.4	1.6	-2.6	Alluvium deposit /Irrawaddy formation (Clay-Silt)
3rd	5.6	3.3	-5.9	
4th	1.2	6.7	-12.7	
5th	8.2	14.7	-27.4	
6th	1.7	31.6	-58.9	
7th	5.5			



Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	-	Estimated SWL(GL-m)	-
	Depth (m)	-	Remarks:	
	Thickness (m)	-		
	Resistivity (Ω-m)	-		

Results of Evaluation

Estimated Drilling Depth(m)	-	Possibility / Priority	D : No posibility

Remarks

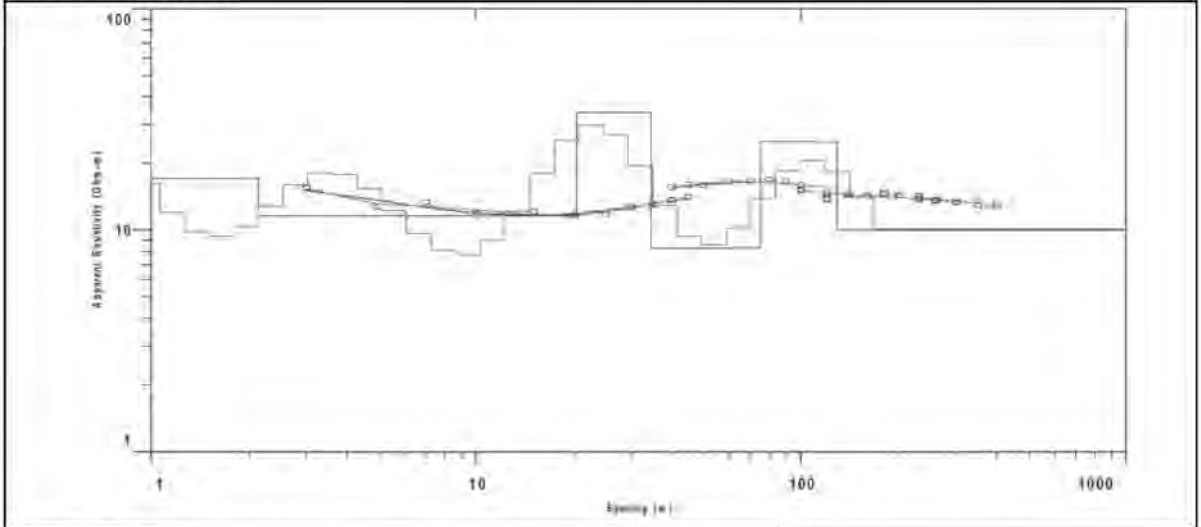
Resistivity value indicates less than 10 Ohm-m up to deep part.
It suggests existence of clay or the aquifer that has bad water quality.
Therefore, recommended drilling point is not decided.

SA2-13 Yathar Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

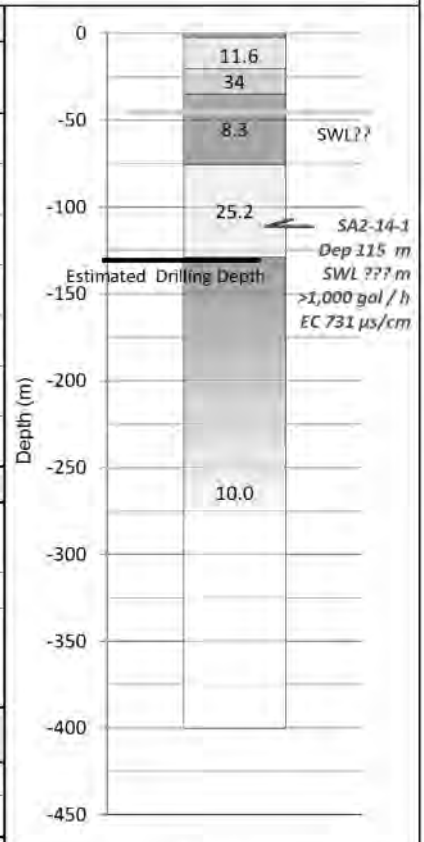
Village ID	SA2-14	Survey Date	03/06/2015
Village	Zeepinlel	Coordinate	X : 751,516
Township	Ayadaw	(WGS 84 UTM Zone 46N)	Y : 2,457,534
Region	Sagaing	Elevation (m)	Z : 212

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	17.2	2.1	-2.1	Top Soil
2nd	11.6	18.2	-20.3	Irrawaddy formation (Clay - Silt)
3rd	34.0	14.3	-34.6	Irrawaddy formation (Sand -Silt : Unsaturated)
4th	8.3	40.7	-75.3	Irrawaddy formation (Clay)
5th	25.2	53.7	-129.0	Irrawaddy formation (Sand : Saturated)
6th	10.0			Irrawaddy formation (Silt)
7th				



Estimation Results of Hydrogeological Information

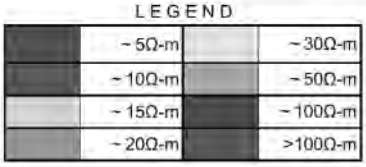
Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	50 m ?
	Depth (m)	75-129m	Remarks:	
	Thickness (m)	55m		
	Resistivity (Ω-m)	25.2		

Results of Evaluation

Estimated Drilling Depth(m)	130 m	Possibility / Priority	C : Low-Medium Priority 5

Remarks

From existing borehole,It is expected that capacity of target aquifers is low.
Therefore,It is recommended that drilling depth is set to deep part as possible.

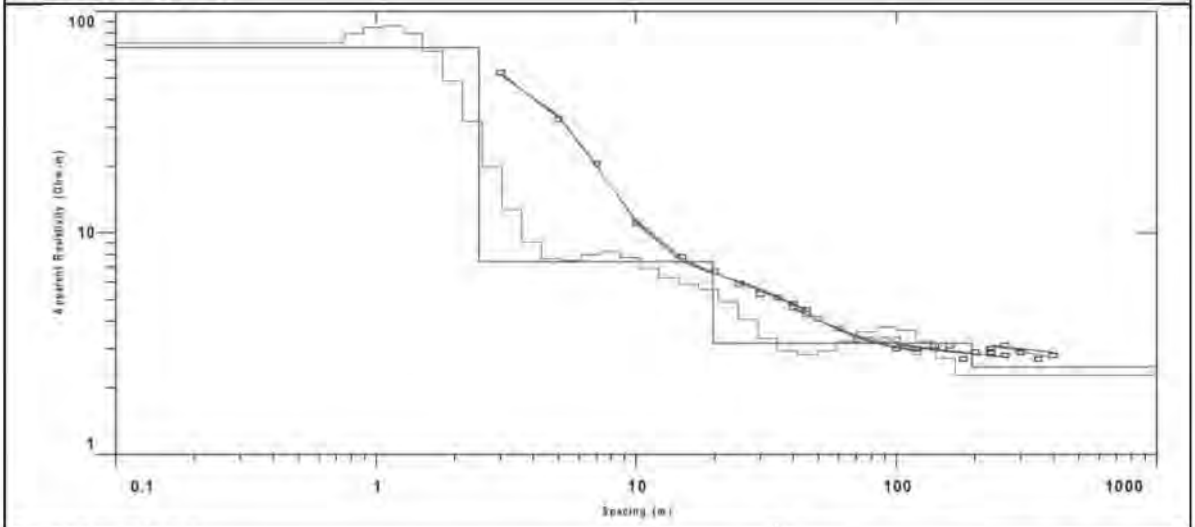


SA2-14 Zeepinlel Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

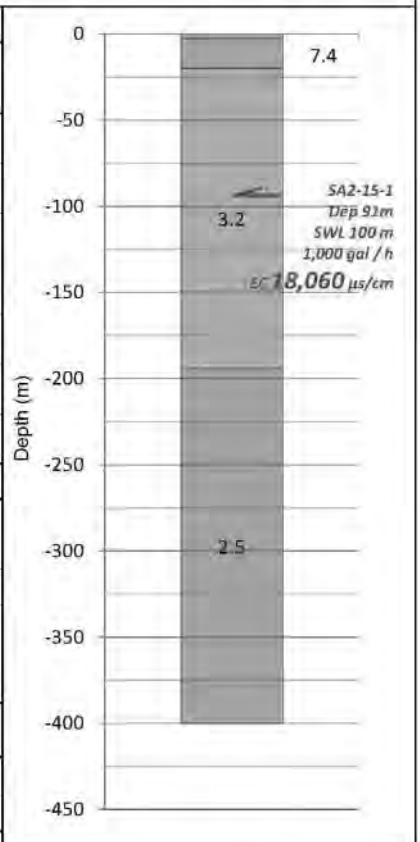
Village ID	SA2-15	Survey Date	30/05/2015
Village	Yonebinyoe	Coordinate	X : 711,426
Township	Salingyi	(WGS 84 UTM Zone 46N)	Y : 2,428,068
Region	Sagaing	Elevation (m)	Z : 131

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	68.6	2.5	-2.5	Top Soil
2nd	7.4	17.2	-19.7	Irrawaddy formation (Silt)
3rd	3.2	174.5	-194.2	Irrawaddy formation (Sand : Aquifer)
4th	2.5			*(Not suirabele for drinking)*
5th				
6th				
7th				



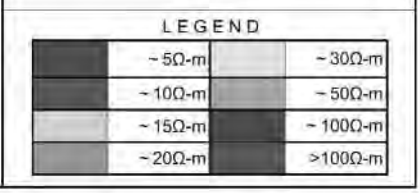
Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	-	Estimated SWL(GL-m)	
	Depth (m)	-	Remarks:	
	Thickness (m)	-		
	Resistivity (Ω-m)	-		

Results of Evaluation

Estimated Drilling Depth(m)	-	Possibility / Priority	D : No posibility

Remarks
Resistivity value indicates less than 10 Ohm-m up to deep part.
It suggests existence of clay or the aquifer that has bad water quality.
Therefore, recommended drilling point is not decided.

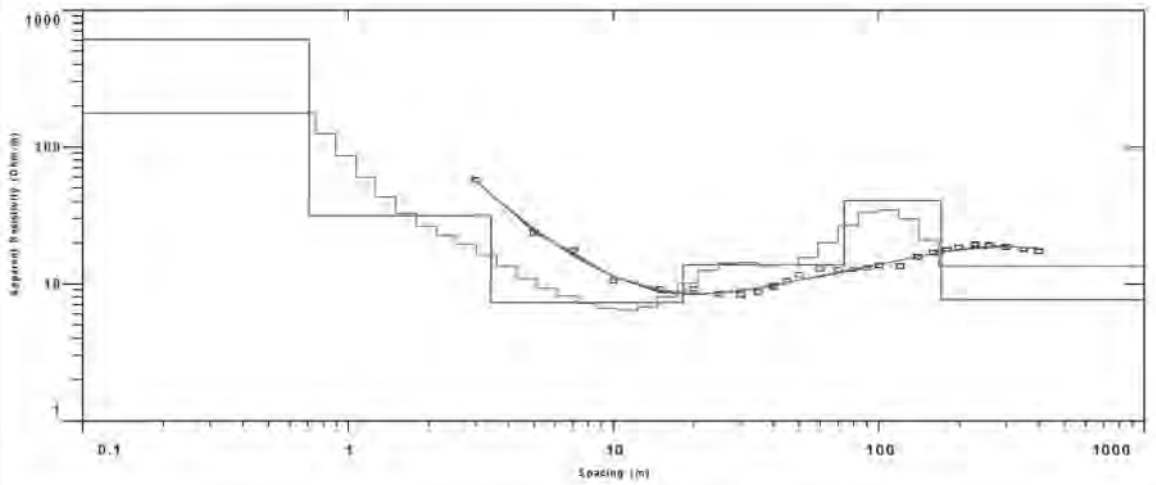


SA2-15 Yonebinyoe Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

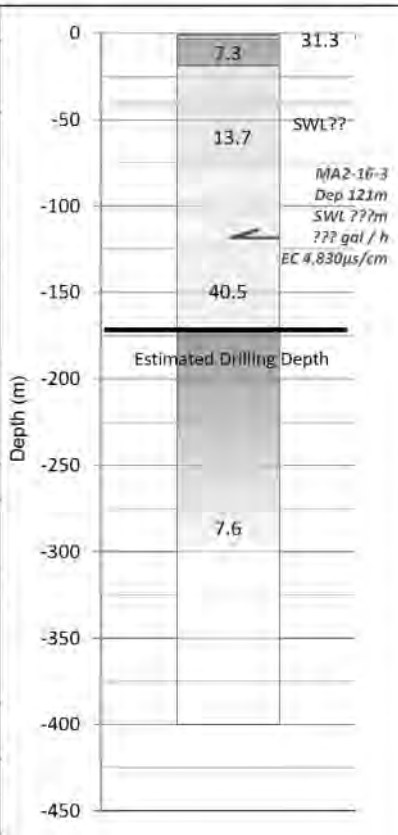
Village ID	SA2-16	Survey Date	30/05/2015
Village	Minntaw	Coordinate	X : 712,670
Township	Salingyi	(WGS 84 UTM Zone 46N)	Y : 2,428,751
Region	Sagaing	Elevation (m)	Z : 142

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	605.8	0.7	-0.7	Top Soil
2nd	31.3	2.7	-3.4	Alluvium deposit (Sand)
3rd	7.3	15.0	-18.4	Alluvium deposit (Clay)
4th	13.7	55.5	-73.8	Irrawaddy formation (Silt : Saturated?)
5th	40.5	98.1	-171.9	Irrawaddy formation (Sand : Saturated)
6th	7.6			Irrawaddy formation (Clay)
7th				



Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	40m ?
	Depth (m)	74-172m	Remarks:	
	Thickness (m)	>95m		
	Resistivity (Ω-m)	40.5		

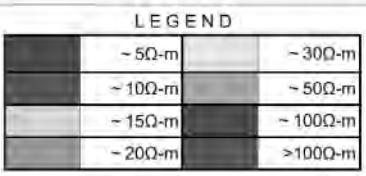
Results of Evaluation

Estimated Drilling Depth(m)	170 m	Possibility / Priority	B : Medium Priority 4

Remarks

It is assumed that water quality is not suitable for drinking at the shallow part of target aquifer.

Therefore, It is recommended that drilling depth is set to deep part as possible.

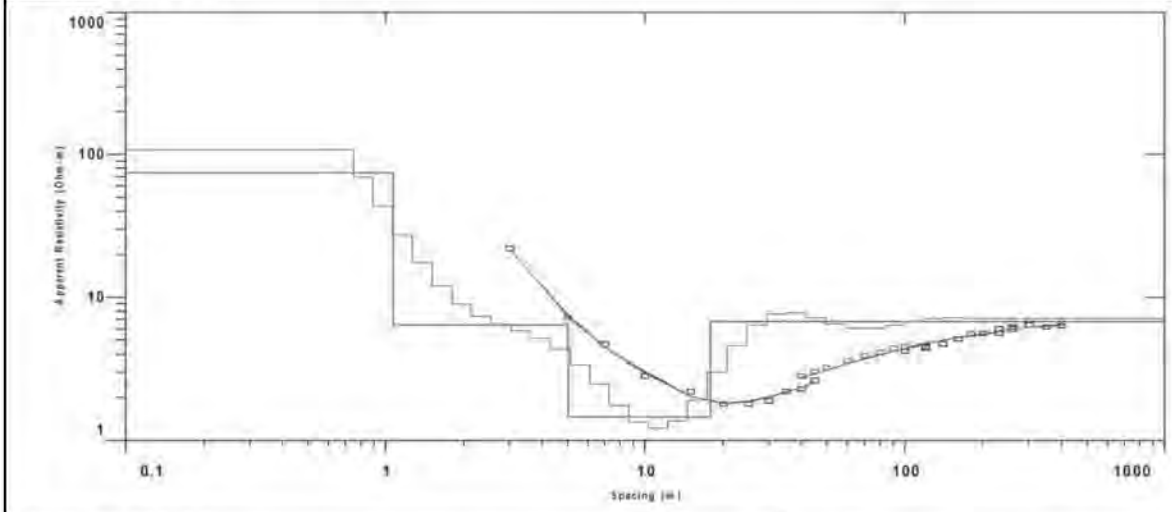


SA2-16 Minntaw Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

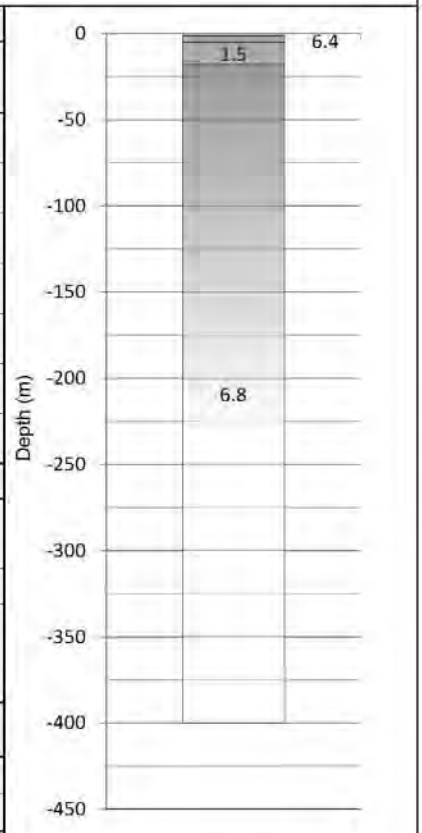
Village ID	SA2-17	Survey Date	29/05/2015
Village	Kine	Coordinate (WGS 84 UTM Zone 46N)	X : 711,640
Township	Salingyi		Y : 2,437,561
Region	Sagaing	Elevation (m)	Z : 151

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	74.3	1.1	-1.1	
2nd	6.4	4.0	-5.0	
3rd	1.5	12.8	-17.8	
4th	6.8			
5th				
6th				
7th				



Estimation Results of Hydrogeological Information

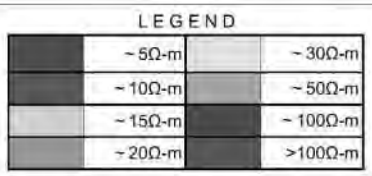
Target Aquifer	Lithology		Estimated SWL(GL-m)	
	Depth (m)		Remarks:	
	Thickness (m)			
	Resistivity (Ω-m)			

Results of Evaluation

Estimated Drilling Depth(m)		Possibility / Priority	D : No posibility

Remarks

Resistivity value indicates less than 10 Ohm-m up to deep part.
It suggests existence of clay or the aquifer that has bad water quality.
Therefore, recommended drilling point is not decided.
Refer to 2D result for more information.

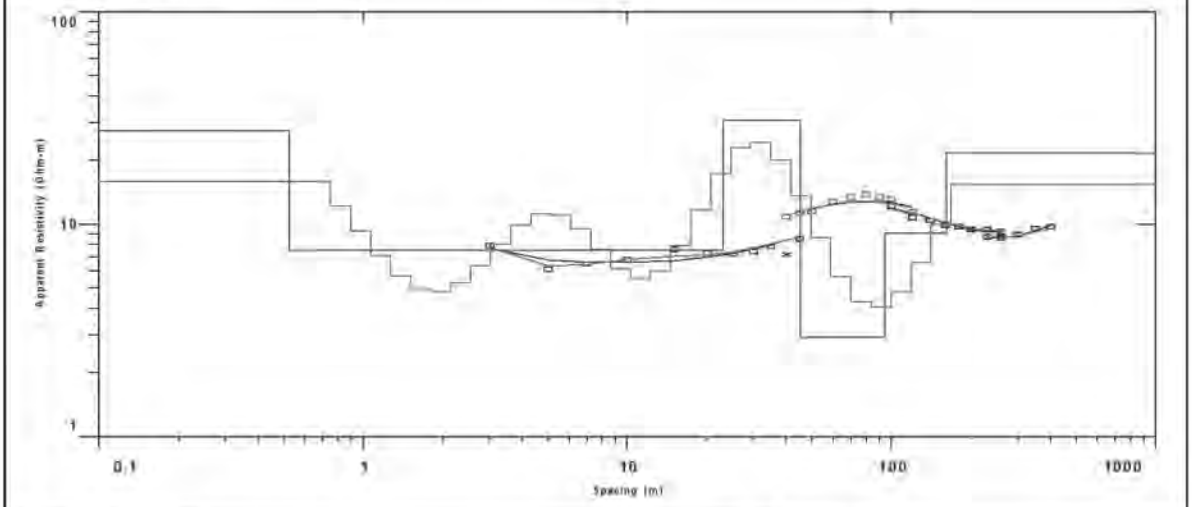


SA2-17 Kine Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

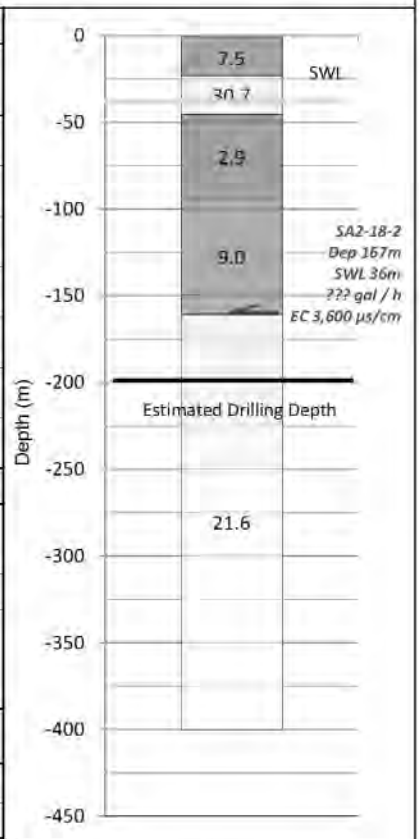
Village ID	SA2-18	Survey Date	08/06/2015
Village	Kalarpyan	Coordinate	X : 749,957
Township	Myinmu	(WGS 84 UTM Zone 46N)	Y : 2,422,670
Region	Sagaing	Elevation (m)	Z : 89

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	27.5	0.5	-0.5	Top Soil
2nd	7.5	22.5	-23.1	Irrawaddy formation (Clay)
3rd	30.7	22.2	-45.3	Irrawaddy formation (Sand : Saturated?))
4th	2.9	48.9	-94.1	Irrawaddy formation (Clay)
5th	9.0	66.5	-160.7	Irrawaddy formation (Clay - Silt)
6th	21.6			Irrawaddy formation (Sand: Saturated))
7th				



Estimation Results of Hydrogeological Information

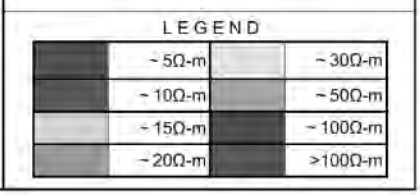
Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	36 m
	Depth (m)	>161m	Remarks:	
	Thickness (m)	>40m		
	Resistivity (Ω-m)	21.6		

Results of Evaluation

Estimated Drilling Depth(m)	200 m	Possibility / Priority	A : High Priority 2

Remarks

It is assumed that water quality is not suitable for drinking at the shallow part of target aquifer.,It is recommended that drilling depth is set to deep part as possible.

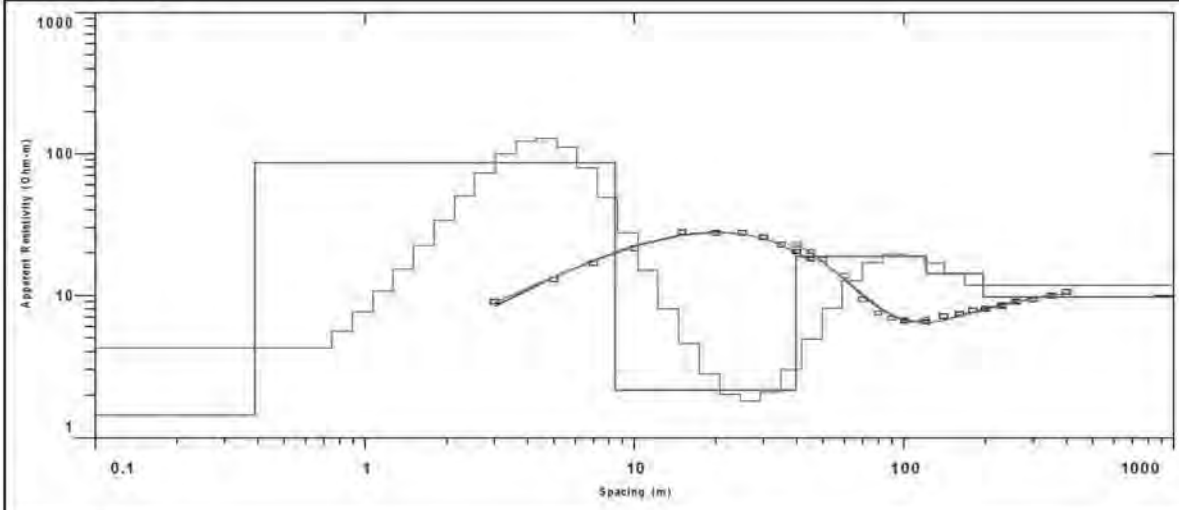


SA2-18 Kalarpyan Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

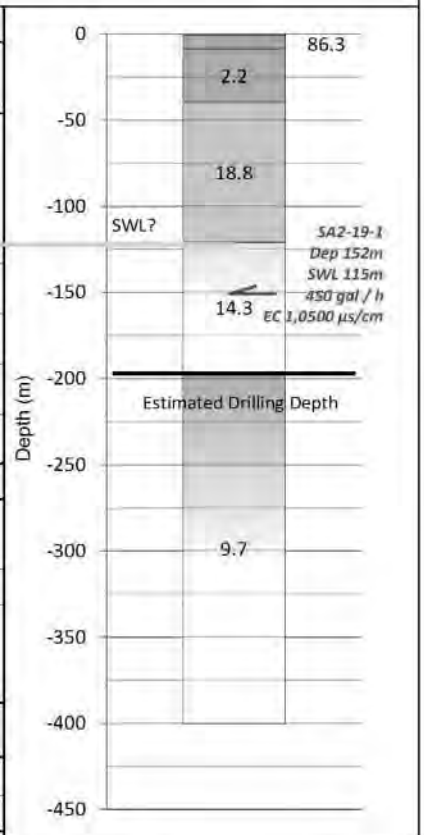
Village ID	SA2-19	Survey Date	06/06/2015
Village	Hlayookan	Coordinate	X : 758,107
Township	Myinmu	(WGS 84 UTM Zone 46N)	Y : 2,439,343
Region	Sagaing	Elevation (m)	Z : 166

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	1.4	0.4	-0.4	Alluvium deposit (Clay - Sand)
2nd	86.3	8.1	-8.5	
3rd	2.2	31.1	-39.6	
4th	18.8	81.2	-120.8	Irrawaddy formation (Silt : Unsaturated?)
5th	14.3	75.9	-196.7	Irrawaddy formation (Silt-Sand : Saturated?)
6th	9.7			Irrawaddy formation (Silt-Clay)
7th				



Estimation Results of Hydrogeological Information

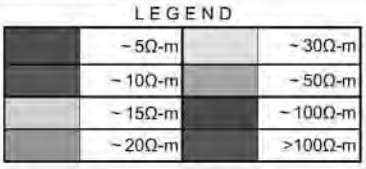
Target Aquifer	Lithology	Sand - Silt (Ir)	Estimated SWL(GL-m)	121 m
	Depth (m)	121 - 197m	Remarks:	
	Thickness (m)	>75m		
	Resistivity (Ω-m)	14.3		

Results of Evaluation

Estimated Drilling Depth(m)	195 m	Possibility / Priority	C : Low-Medium Priority 4

Remarks

From existing borehole,It is expected that capacity of target aquifers is low.
Therefore,It is recommended that drilling depth is set to deep part as possible.

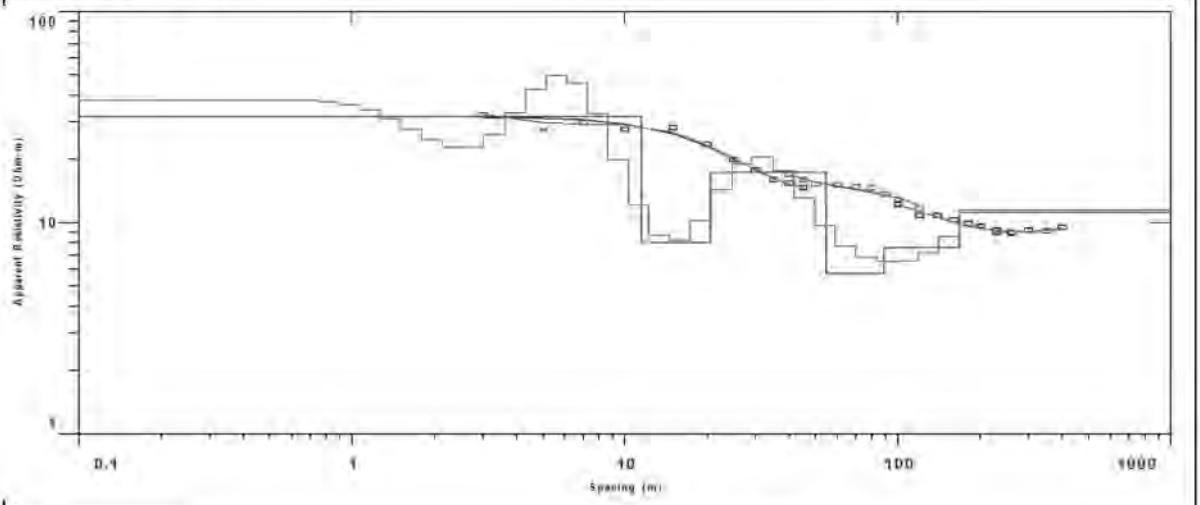


SA2-19 Hlayookan Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

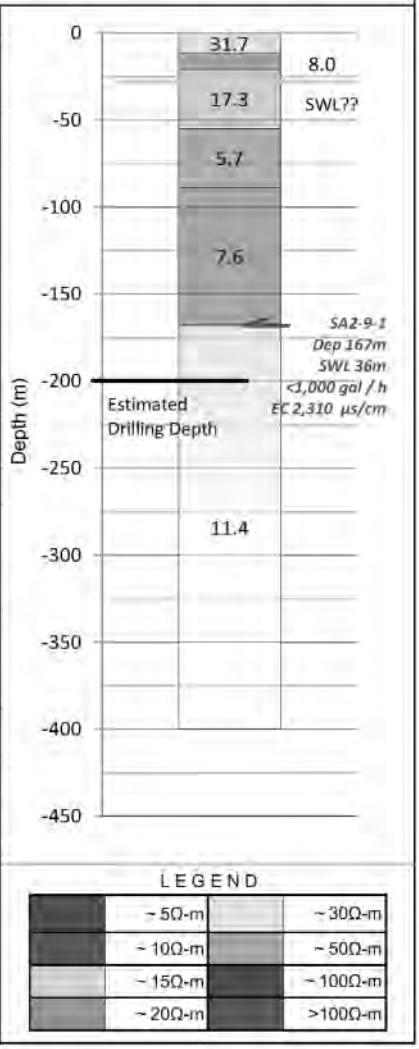
Village ID	SA2-21	Survey Date	06/06/2015
Village	Watkya	Coordinate	X : 745,604
Township	Myinmu	(WGS 84 UTM Zone 46N)	Y : 2,447,822
Region	Sagaing	Elevation (m)	Z : 252

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	31.7	11.5	-11.5	Top Soil / Irrawaddy F
2nd	8.0	9.1	-20.6	Irrawaddy formation (Clay)
3rd	17.3	34.1	-54.7	Irrawaddy formation (Sand : Saturated?)
4th	5.7	34.0	-88.7	Irrawaddy formation (Clay)
5th	7.6	79.0	-167.7	Pegu Group? (Mudstone?)
6th	11.4			Pegu Group? (Sandstone?)
7th				



Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	Sandstone (Upper Pegu)	Estimated SWL(GL-m)	36m (Confined)
	Depth (m)	>168m	Remarks:	
	Thickness (m)	>32m		
	Resistivity (Ω-m)	11.4		

Results of Evaluation

Estimated Drilling Depth(m)	200 m	Possibility / Priority	C : Low-Medium Priority 4

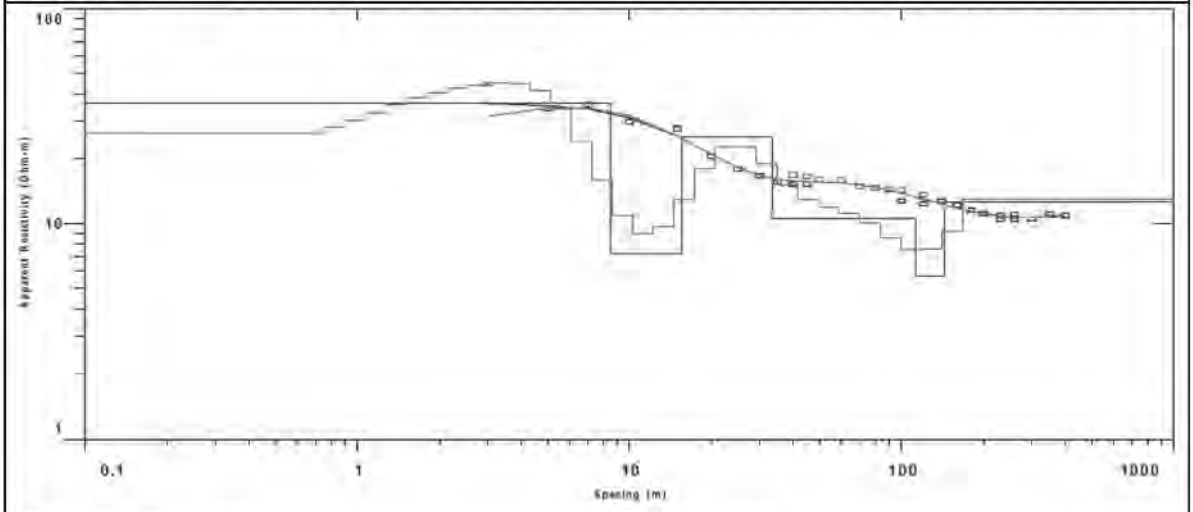
Remarks

SA2-21 Watkya Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

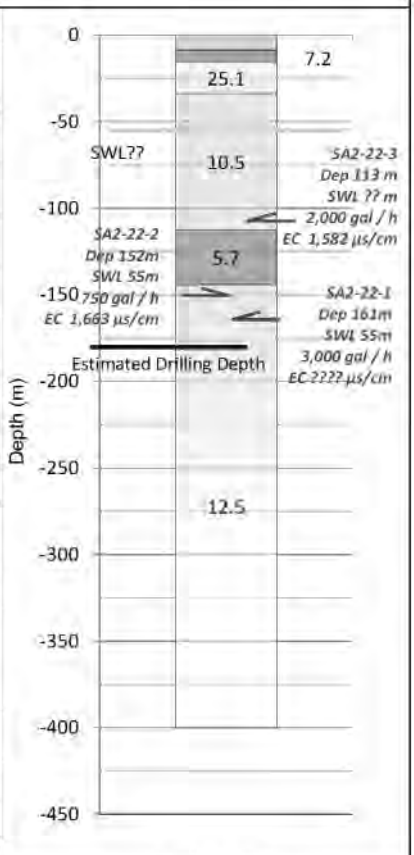
Village ID	SA2-22	Survey Date	06/06/2015
Village	Thahtaykone(Ywarma)	Coordinate	X : 747,673
Township	Myinmu	(WGS 84 UTM Zone 46N)	Y : 2,446,221
Region	Sagaing	Elevation (m)	Z : 254

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	36.5	8.5	-8.5	
2nd	7.2	7.0	-15.6	Irrawaddy formation (Clay)
3rd	25.1	18.0	-33.6	Irrawaddy formation (Sand : Unsaturated)
4th	10.5	79.1	-112.7	Irrawaddy formation (Sand-Silt : Saturated)
5th	5.7	31.2	-143.9	Pegu group? (Mudstone)
6th	12.5			Pegu group? (Sandstone)
7th				



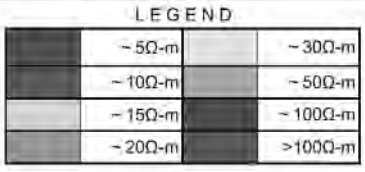
Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	Sandstone (Upper Pegu)	Estimated SWL(GL-m)	55m (Confined?)
	Depth (m)	>144 m	Remarks:	
	Thickness (m)	>35m		
	Resistivity (Ω-m)	12.5		

Results of Evaluation

Estimated Drilling Depth(m)	180 m	Possibility / Priority	C : Low-Medium Priority 5

Remarks

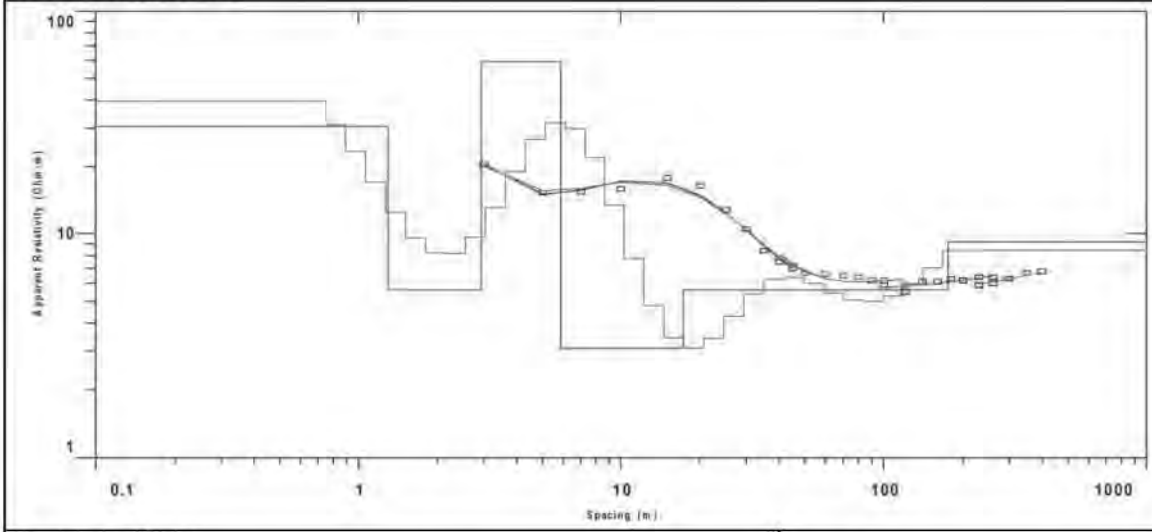


SA2-22 Thahtaykone(Ywarma) Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

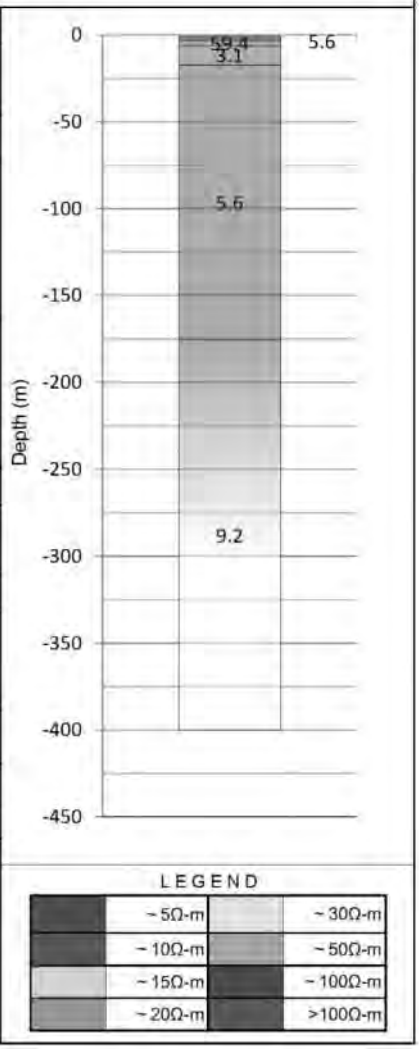
Village ID	SA2-23	Survey Date	07/06/2015
Village	Magyidaw	Coordinate	X : 774,423
Township	Myinmu	(WGS 84 UTM Zone 46N)	Y : 2,444,502
Region	Sagaing	Elevation (m)	Z : 72

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	30.5	1.3	-1.3	Top Soil
2nd	5.6	1.6	-2.9	Alluvium deposit (Sand - Clay)
3rd	59.4	2.9	-5.9	
4th	3.1	11.4	-17.3	
5th	5.6	158.3	-175.6	Irrawaddy formation (Clay - Silt)
6th	9.2			
7th				



Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	-	Estimated SWL(GL-m)	
	Depth (m)	-	Remarks:	
	Thickness (m)	-		
	Resistivity (Ω-m)	-		

Results of Evaluation

Estimated Drilling Depth(m)	-	Possibility / Priority	D : No posibility

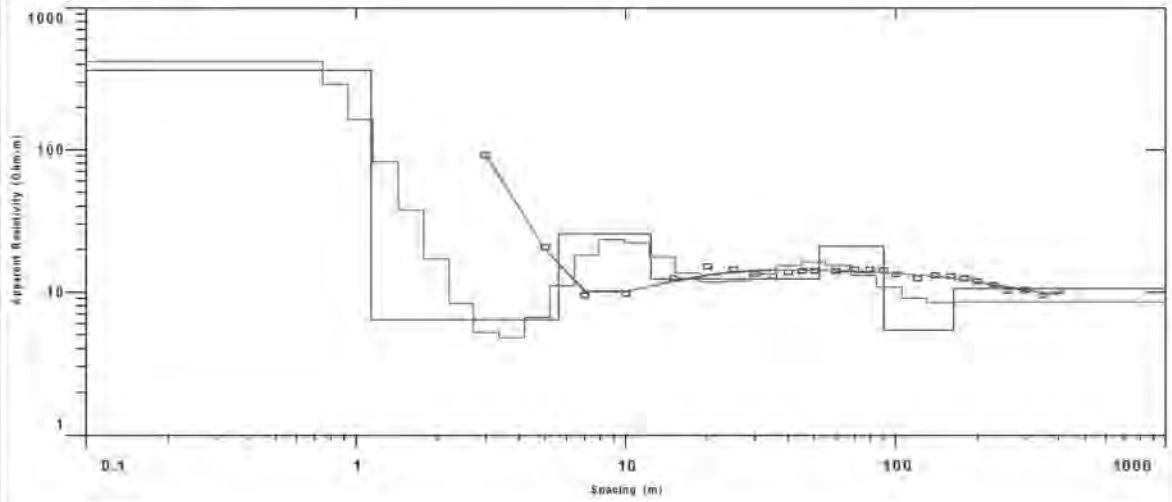
Remarks
Resistivity value indicates less than 10 Ohm-m up to deep part.
It suggests existence of clay or the aquifer that has bad water quality.
Therefore, recommended drilling point is not decided.

SA2-23 Magyidaw Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

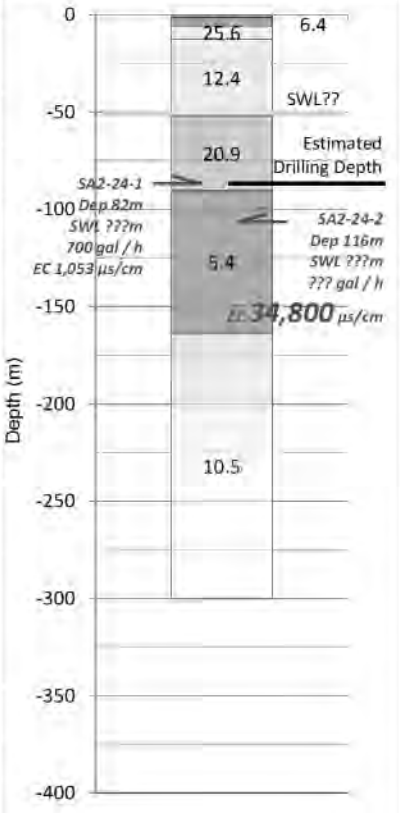
Village ID	SA2-24	Survey Date	12/06/2015
Village	Thindaw	Coordinate	X : 773,385
Township	Kanbalu	(WGS 84 UTM Zone 46N)	Y : 2,613,108
Region	Sagaing	Elevation (m)	Z : 209

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	365.0	1.1	-1.1	Top Soil
2nd	6.4	4.5	-5.6	Alluvium deposit (Clay)
3rd	25.6	6.8	-12.4	Alluvium deposit (Sand)
4th	12.4	39.6	-52.0	Alluvium deposit (Silt)
5th	20.9	38.3	-90.3	Irrawaddy formation (Sand : Saturated)
6th	5.4	73.2	-163.5	Irrawaddy formation (Clay or Salty aquifer)
7th	10.5			Irrawaddy formation (Clay or Salty aquifer)



Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	50m?
	Depth (m)	52-90m	Remarks:	
	Thickness (m)	>30m		
	Resistivity (Ω-m)	20.9		

Results of Evaluation

Estimated Drilling Depth(m)	80 m	Possibility / Priority	A : High Priority 3

Remarks

Probably, salty aquifer is distributed around GL-90 m.

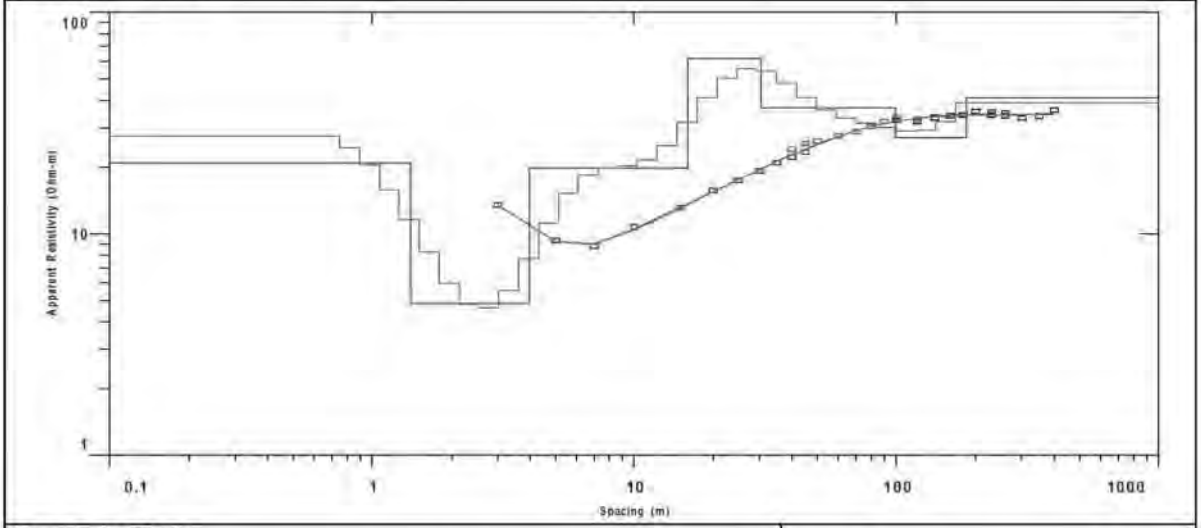
Notice a change in lithology and EC value during the drilling.

SA2-24 Thindaw Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

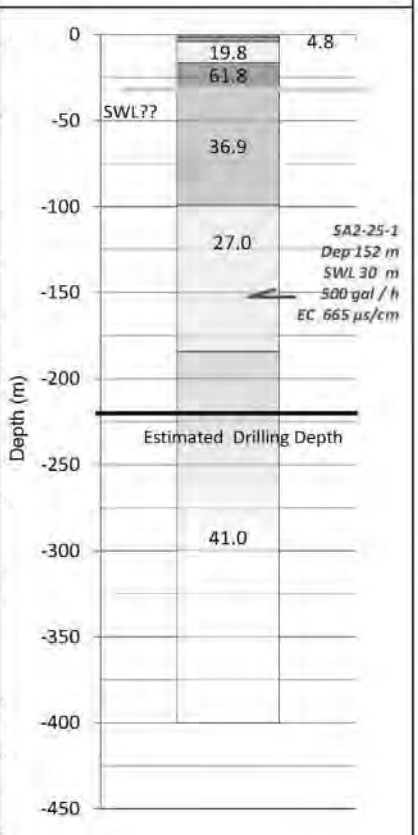
Village ID	SA2-25	Survey Date	12/06/2015
Village	Lwingyi	Coordinate	X : 772,013
Township	Kanbalu	(WGS 84 UTM Zone 46N)	Y : 2,612,839
Region	Sagaing	Elevation (m)	Z : 215

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	20.8	1.4	-1.4	Top Soil
2nd	4.8	2.6	-4.0	Alluvium deposit
3rd	19.8	12.0	-16.0	Irrawaddy formation (Shit : Unsaturated)
4th	61.8	14.5	-30.5	Irrawaddy formation (Sand : Unsaturated)
5th	36.9	68.5	-98.9	Irrawaddy formation (Sand : Saturated)
6th	27.0	85.2	-184.1	Irrawaddy formation (Sand - Silt?: Saturated)
7th	41.0			Irrawaddy formation (Sand : Saturated)



Estimation Results of Hydrogeological Information

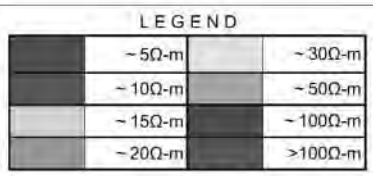
Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	31 m
	Depth (m)	>184m	Remarks:	
	Thickness (m)	>35m	From information of existing tube well, It is estimated that the potential of upper aquifer (100-184m) is low.	
	Resistivity (Ω-m)	41.0		

Results of Evaluation

Estimated Drilling Depth(m)	220 m	Possibility / Priority	B : Medium Priority 3

Remarks

From existing borehole, It is expected that capacity of upper aquifer(99-184m) is low. Therefore, Drilling depth is set to lower aquifer.

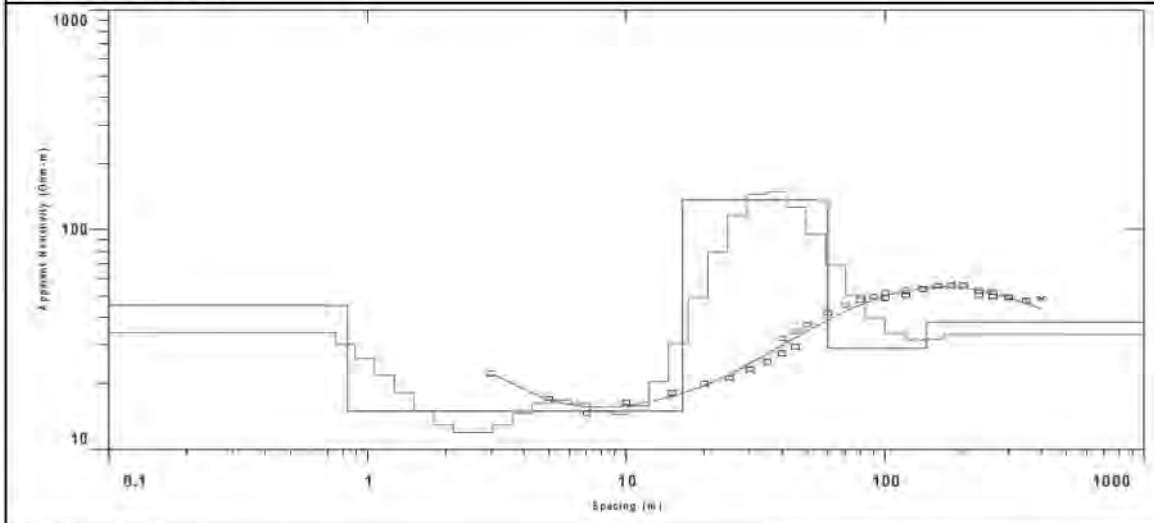


SA2-25 Lwingyi Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

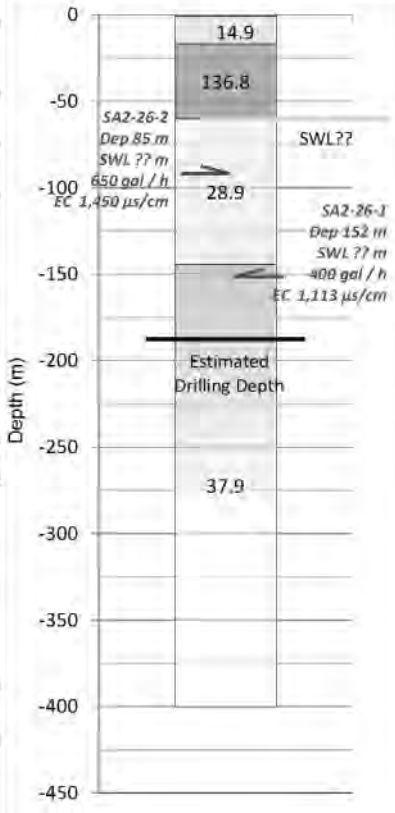
Village ID	SA2-26	Survey Date	13/06/2015
Village	Koetaungboh(Kyunkone)	Coordinate	X : 773,590
Township	Kanbalu	(WGS 84 UTM Zone 46N)	Y : 2,620,729
Region	Sagaing	Elevation (m)	Z : 223

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	45.4	0.8	-0.8	Top Soil
2nd	14.9	15.6	-16.5	Alluvium deposit (Silt - Sand)
3rd	136.8	43.5	-60.0	Alluvium deposit / Irrawaddy f (Sand with Gravel)
4th	28.9	84.3	-144.3	Irrawaddy formation (Sand - Silt : Saturated)
5th	37.9			
6th				
7th				



Estimation Results of Hydrogeological Information

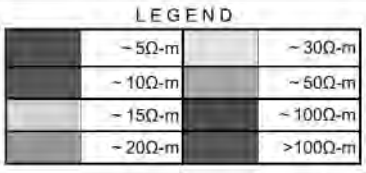
Target Aquifer	Lithology	Sand - Silt (Ir)	Estimated SWL(GL-m)	60m ?
	Depth (m)	>144m	Remarks:	
	Thickness (m)	>40m	From information of existing tube well, It is estimated that the potential of upper aquifer (60-144m) is low.	
	Resistivity (Ω-m)	37.9		

Results of Evaluation

Estimated Drilling Depth(m)	185 m	Possibility / Priority	C : Low-Medium Priority 4

Remarks

From existing borehole, It is expected that capacity of target aquifers is low.
Therefore, It is recommended that drilling depth is set to deep part as possible.

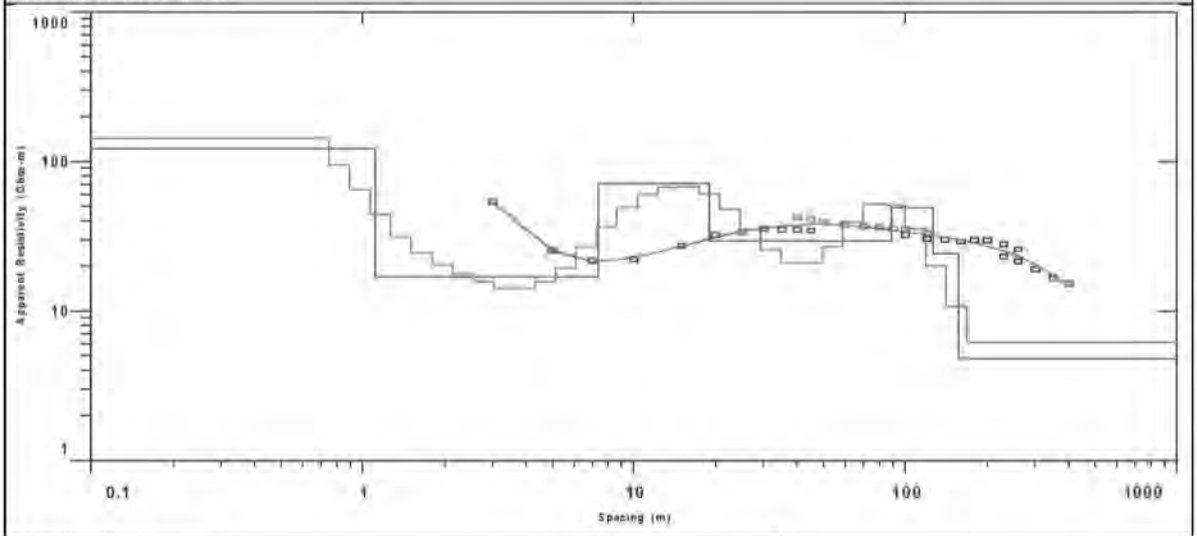


SA2-26　Koetaungboh(Kyunkone) Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

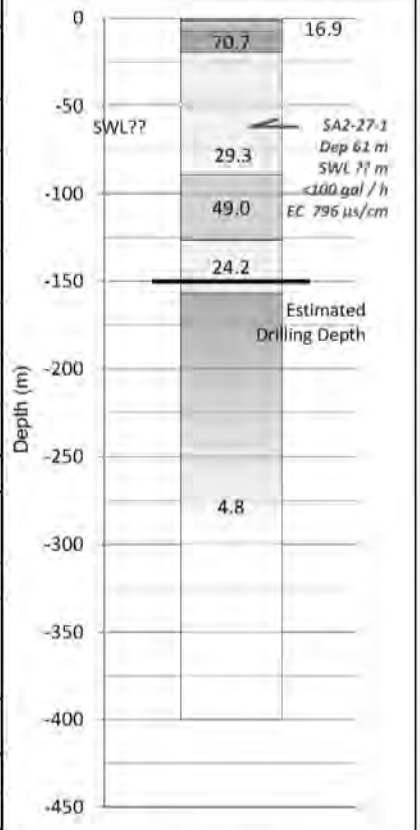
Village ID	SA2-27	Survey Date	13/06/2015
Village	Inngoteto	Coordinate	X : 768,388
Township	Kanbalu	(WGS 84 UTM Zone 46N)	Y : 2,598,038
Region	Sagaing	Elevation (m)	Z : 219

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	122.1	1.1	-1.1	Top Soil
2nd	16.9	6.3	-7.4	Irrawaddy formation (Silt : Unsaturated)
3rd	70.7	11.6	-19.0	Irrawaddy formation (Sand : Unsaturated)
4th	29.3	70.0	-89.0	Irrawaddy formation (Sand - Silt : Saturated)
5th	49.0	37.4	-126.4	Irrawaddy formation (Sand : Saturated)
6th	24.2	30.3	-156.7	Irrawaddy formation (Sand - Silt : Saturated)
7th	4.8			Irrawaddy formation (Clay)



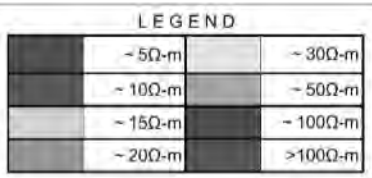
Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	Sand - Silt (Ir)	Estimated SWL(GL-m)	50m?
	Depth (m)	<157m	Remarks:	
	Thickness (m)	>90m		
	Resistivity (Ω-m)	24 - 49		

Results of Evaluation

Estimated Drilling Depth(m)	150 m	Possibility / Priority	C : Low-Medium Priority 5

Remarks
From existing borehole, It is expected that capacity of target aquifers is low.
Therefore, It is recommended that drilling depth is set to deep part as possible.

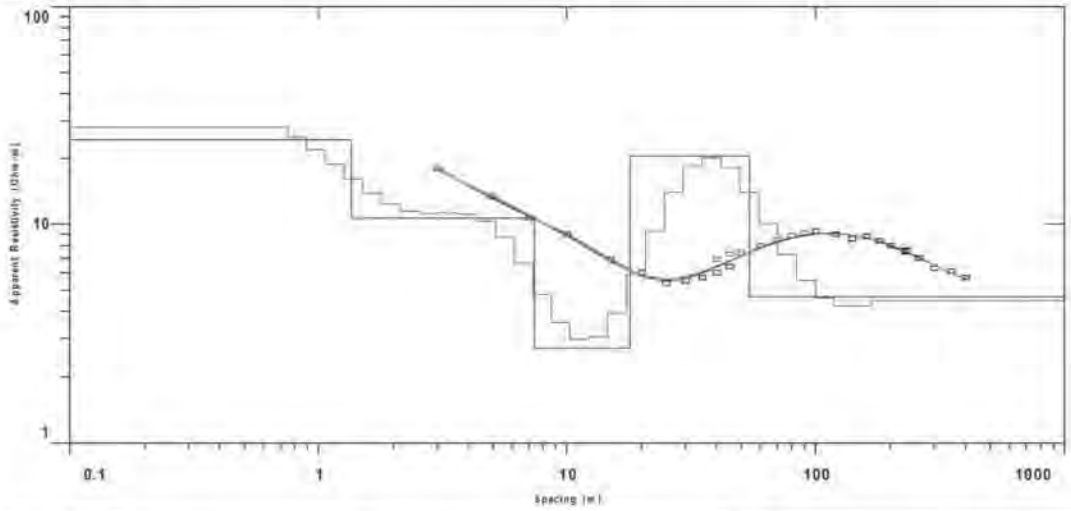


SA2-27 Inngoteto Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

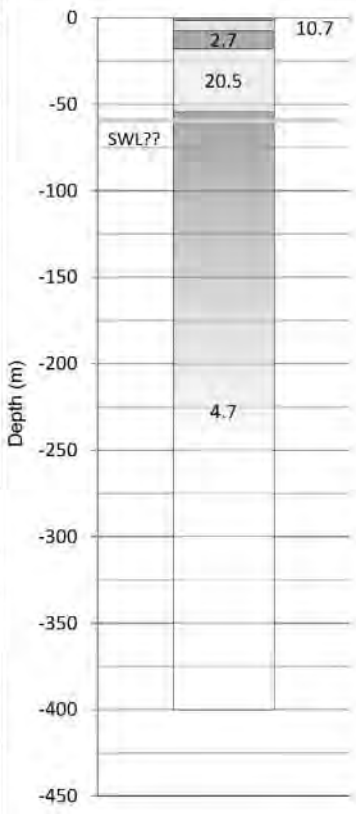
Village ID	SA2-28	Survey Date	16/06/2015
Village	Myayhtoo	Coordinate	X : 745,839
Township	Kanbalu	(WGS 84 UTM Zone 46N)	Y : 2,565,464
Region	Sagaing	Elevation (m)	Z : 158

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	24.4	1.3	-1.3	Top Soil
2nd	10.7	6.0	-7.4	Irrawaddy formation (Clay)
3rd	2.7	10.6	-17.9	Irrawaddy formation (Clay)
4th	20.5	36.2	-54.1	Irrawaddy formation (Silt - Sand :Unsaturated)
5th	4.7			Irrawaddy formation (Clay)
6th				
7th				



Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	-	Estimated SWL(GL-m)	60 m
	Depth (m)	-	Remarks:	
	Thickness (m)	-		
	Resistivity (Ω-m)	-		

Results of Evaluation

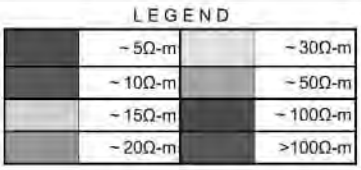
Estimated Drilling Depth(m)	-	Possibility / Priority	D : No posibility

Remarks

Resistivity value indicates less than 5 ohm-m in the all part which is under static water level.

It suggests existence of clay or the aquifer that has bad water quality.

Therefore, recommended drilling point is not decided.

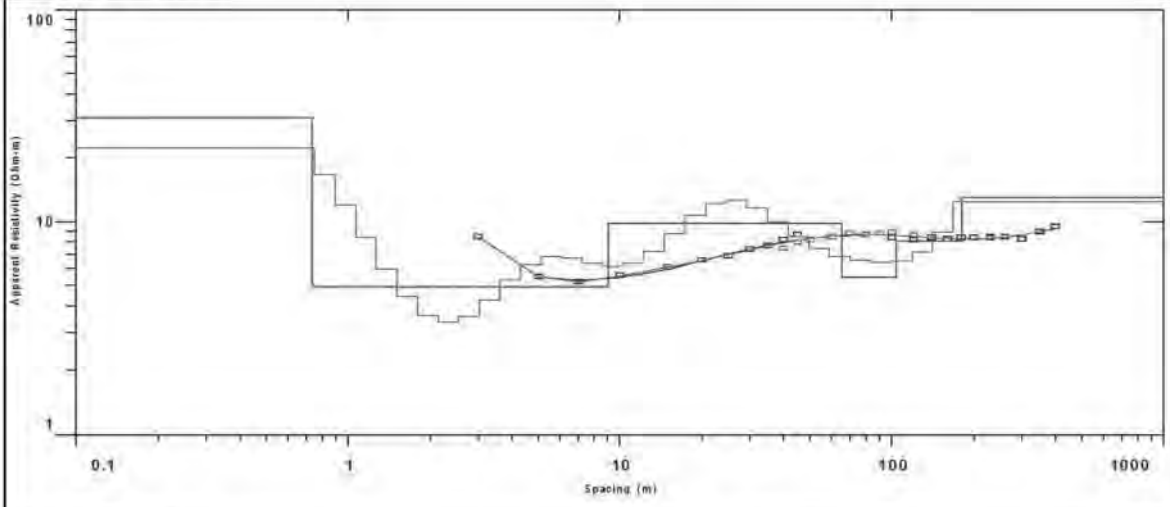


SA2-28 Myayhtoo Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

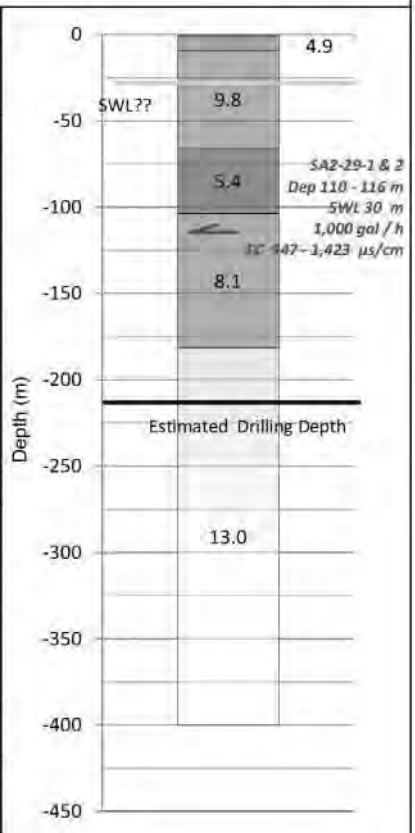
Village ID	SA2-29	Survey Date	15/06/2015
Village	Khaowntar	Coordinate	X : 776,585
Township	Kanbalu	(WGS 84 UTM Zone 46N)	Y : 2,551,429
Region	Sagaing	Elevation (m)	Z : 191

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	30.9	0.7	-0.7	Top Soil
2nd	4.9	8.3	-9.1	Irrawaddy formation (Clay)
3rd	9.8	56.4	-65.4	Irrawaddy formation (Silt)
4th	5.4	38.2	-103.7	Irrawaddy formation (Clay)
5th	8.1	77.8	-181.5	Irrawaddy formation (Silt : Saturated)
6th	13.0			Irrawaddy formation (Silt- Sand : Saturated)
7th				



Estimation Results of Hydrogeological Information

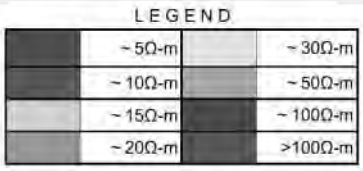
Target Aquifer	Lithology	Silt - Sand (Ir)	Estimated SWL(GL-m)	30 m
	Depth (m)	>182m	Remarks:	
	Thickness (m)	>30m		
	Resistivity (Ω-m)	13.0		

Results of Evaluation

Estimated Drilling Depth(m)	215 m	Possibility / Priority	C : Low-Medium Priority 4

Remarks

From existing borehole, It is expected that capacity of target aquifers is low.
In addition, It is envisaged that high salinity is included in the groundwater.
Therefore, It is recommended that drilling depth is set to deep part as possible.

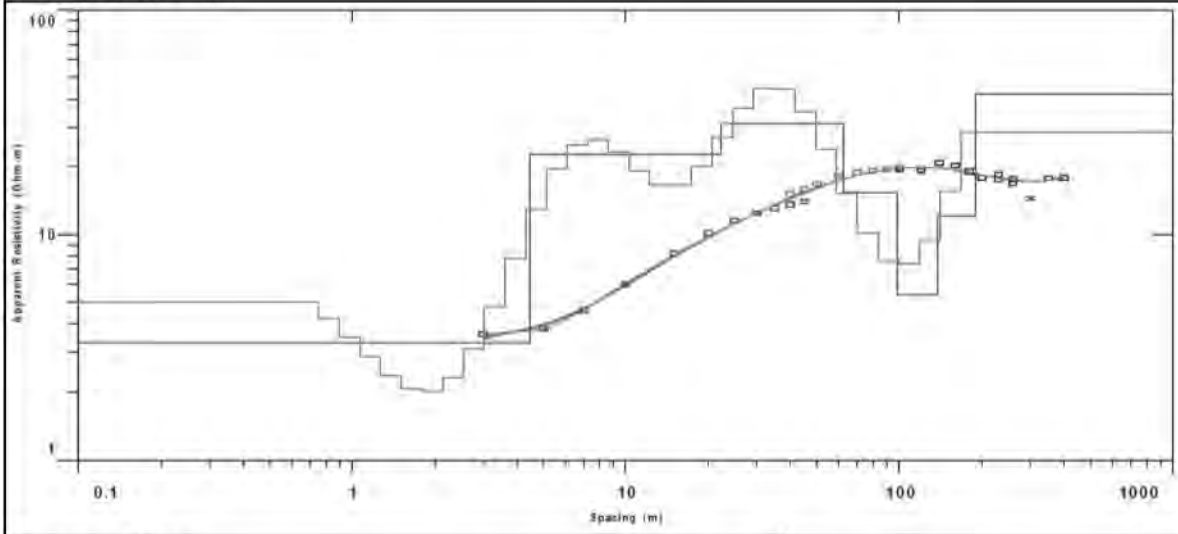


SA2-29 Khaowntar Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

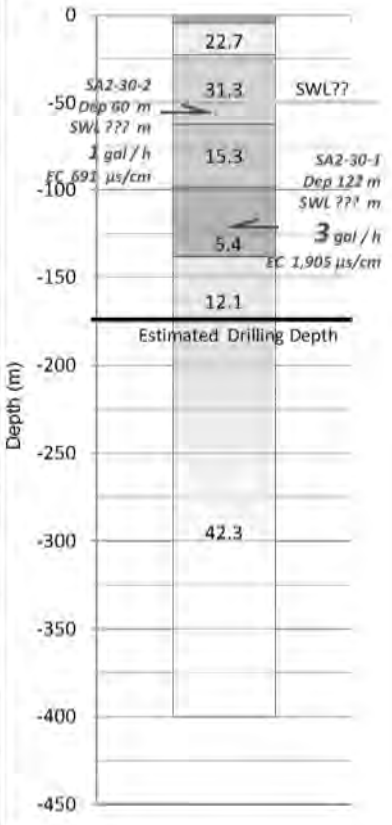
Village ID	SA2-30	Survey Date	14/06/2015
Village	Nyuangkanthar	Coordinate	X : 770,771
Township	Kanbalu	(WGS 84 UTM Zone 46N)	Y : 2,597,741
Region	Sagaing	Elevation (m)	Z : 217

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	3.3	4.5	-4.5	Top Soil
2nd	22.7	17.8	-22.3	Irrawaddy formation (Silt : Unsaturated)
3rd	31.3	40.3	-62.5	Irrawaddy formation (Sand : Semi saturated)
4th	15.3	35.7	-98.2	Irrawaddy formation (Silt : Unsaturated)
5th	5.4	39.7	-138.0	Irrawaddy formation (Clay : Semi saturated)
6th	12.1	51.4	-189.4	Irrawaddy formation (Sand - Silt : Saturated)
7th	42.3			Pegu Group? (Sandstone)



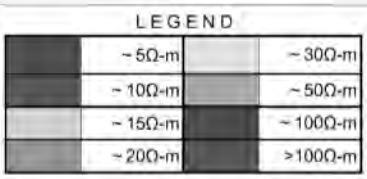
Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	Sand - Silt (Ir)	Estimated SWL(GL-m)	50 m
	Depth (m)	138 - 189m	Remarks:	
	Thickness (m)	>35m		
	Resistivity (Ω-m)	12.1		

Results of Evaluation

Estimated Drilling Depth(m)	175m	Possibility / Priority	C : Low-Medium Priority 5

Remarks

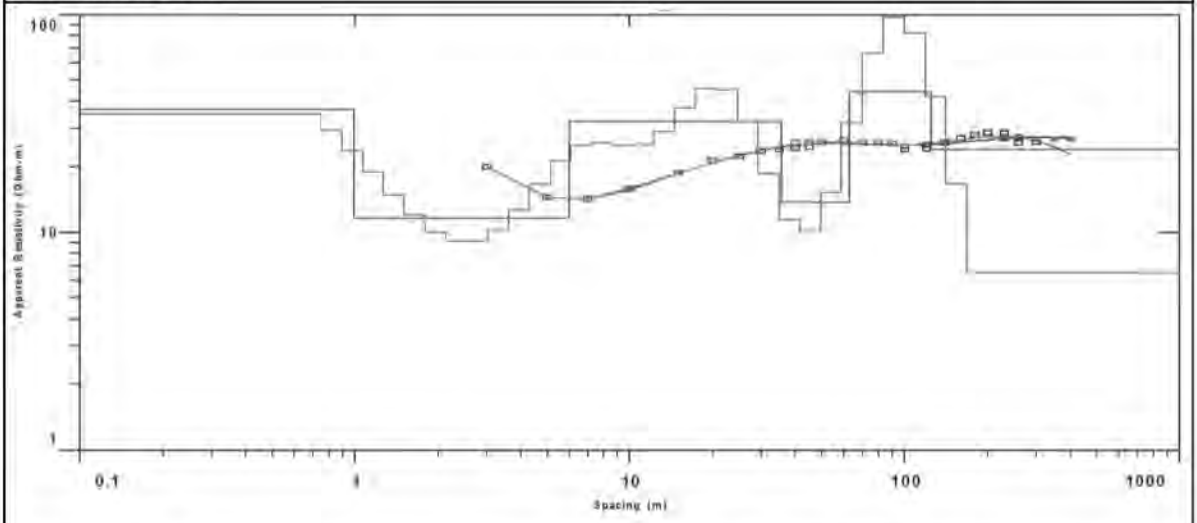


SA2-30 Nyuangkanthar Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

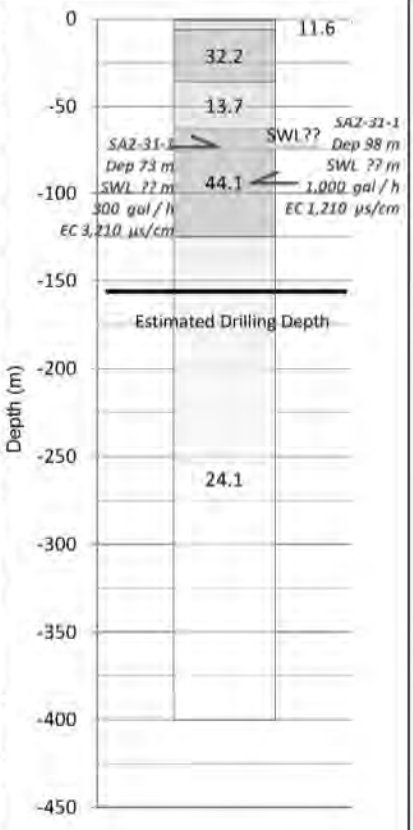
Village ID	SA2-31	Survey Date	15/06/2015
Village	Myaymon	Coordinate	X : 785,110
Township	Kanbalu	(WGS 84 UTM Zone 46N)	Y : 2,544,263
Region	Sagaing	Elevation (m)	Z : 214

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	36.6	1.0	-1.0	Top Soil
2nd	11.6	5.0	-6.0	Irrawaddy formation (Clay : Unsaturated?)
3rd	32.2	29.6	-35.6	Irrawaddy formation (Silt : Unsaturated)
4th	13.7	27.4	-63.0	Irrawaddy formation (Silt : Unsaturated?)
5th	44.1	61.8	-124.8	Irrawaddy formation (Sand with Gravel : Saturated)
6th	24.1			Irrawaddy formation (Sand : Saturated)
7th				



Estimation Results of Hydrogeological Information

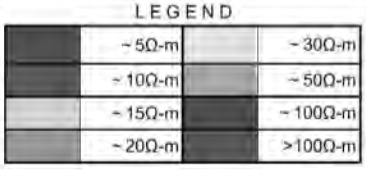
Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	80 m
	Depth (m)	>125m	Remarks:	
	Thickness (m)	>30m		
	Resistivity (Ω-m)	24.1		

Results of Evaluation

Estimated Drilling Depth(m)	155 m	Possibility / Priority	A : High Priority 3

Remarks

From information of existing tube well , It is assumed that upper aquifer (63-125m) has salinity. So, target aquifer is set to lower layer.(>125m)

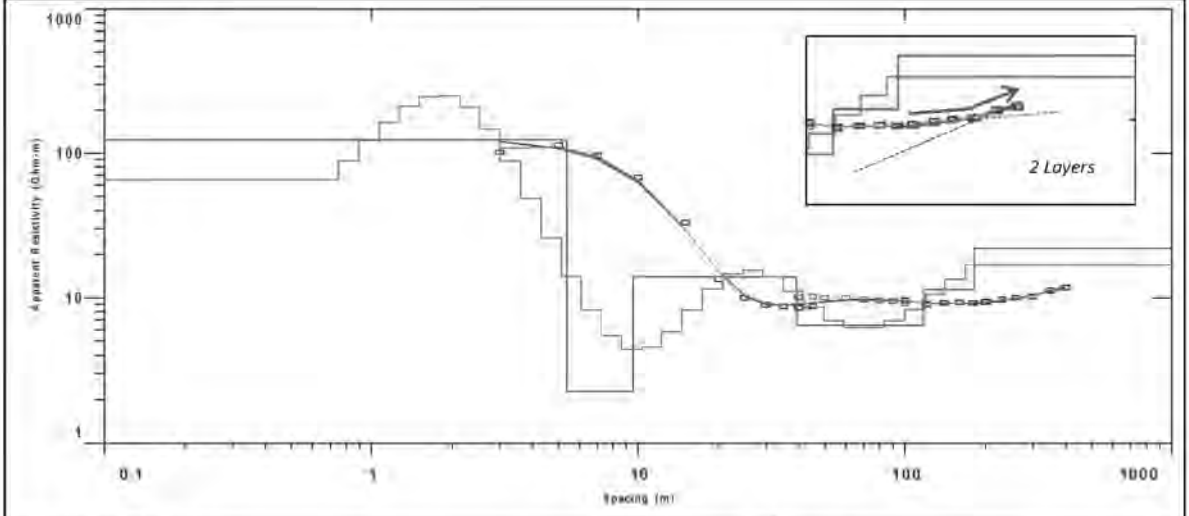


SA2-31 Myaymon Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

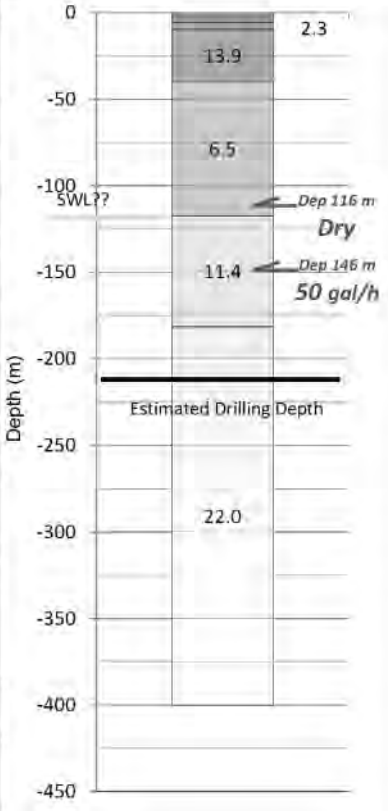
Village ID	SA2-32	Survey Date	17/06/2015
Village	Layytwinzin	Coordinate	X : 800,148
Township	Kanbalu	(WGS 84 UTM Zone 46N)	Y : 2,549,708
Region	Sagaing	Elevation (m)	Z : 147

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	123.5	5.4	-5.4	Top Soil
2nd	2.3	4.2	-9.6	Alluvium deposit (Sand with Gravel)
3rd	13.9	29.6	-39.1	Alluvium deposit (Clay)
4th	6.5	78.2	-117.3	Irrawaddy formation (Silt : Unsaturated)
5th	11.4	64.0	-181.3	Irrawaddy formation (Clay : Unsaturated)
6th	22.0			Irrawaddy formation (Sand : Saturated)
7th				



Estimation Results of Hydrogeological Information

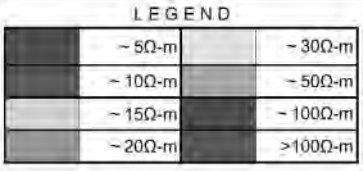
Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	120m?
	Depth (m)	>180m	Remarks:	
	Thickness (m)	>30m		
	Resistivity (Ω-m)	22.0		

Results of Evaluation

Estimated Drilling Depth(m)	210 m	Possibility / Priority	A : High Priority 2

Remarks

From information of existing tube well , It is assumed that potential of upper aquifer (117-181m) is low. So, target aquifer is set to lower layer.(>181m)

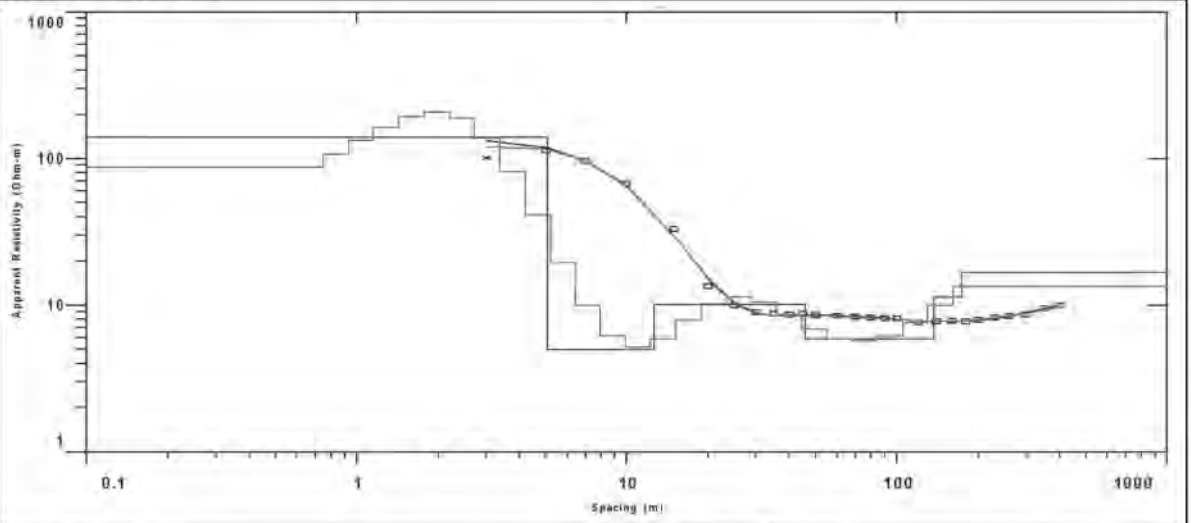


SA2-32 Layytwinzin Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

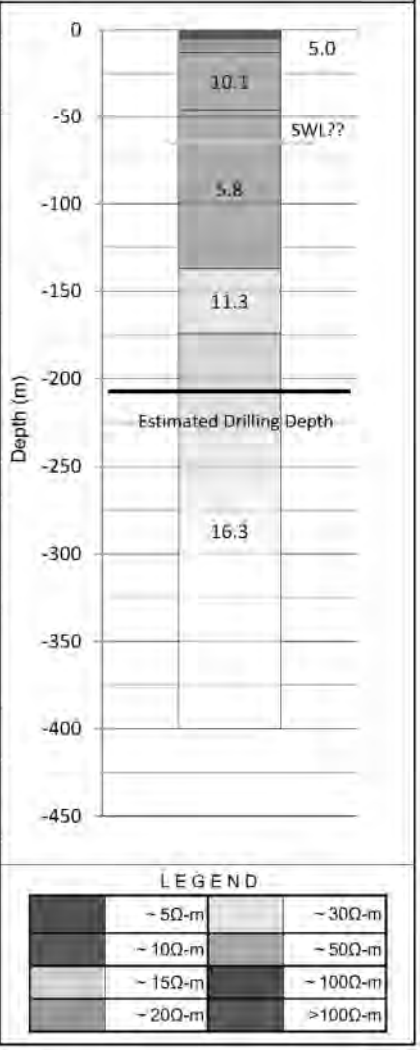
Village ID	SA2-33	Survey Date	14/06/2015
Village	Chaungchar	Coordinate	X : 762,397
Township	Kanbalu	(WGS 84 UTM Zone 46N)	Y : 2,587,371
Region	Sagaing	Elevation (m)	Z : 213

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	138.5	5.0	-5.0	Top Soil
2nd	5.0	7.6	-12.6	Irrawaddy formation (Clay)
3rd	10.1	33.1	-45.8	Irrawaddy formation (Clay)
4th	5.8	91.3	-137.0	Irrawaddy formation (Clay)
5th	11.3	36.7	-173.8	Irrawaddy formation (Silt : Saturated?)
6th	16.3			Irrawaddy formation (Sand : Saturated)
7th				



Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	60 m?
	Depth (m)	>174m	Remarks:	
	Thickness (m)	>31m		
	Resistivity (Ω-m)	16.3		

Results of Evaluation

Estimated Drilling Depth(m)	205 m	Possibility / Priority	B : Medium Priority 3

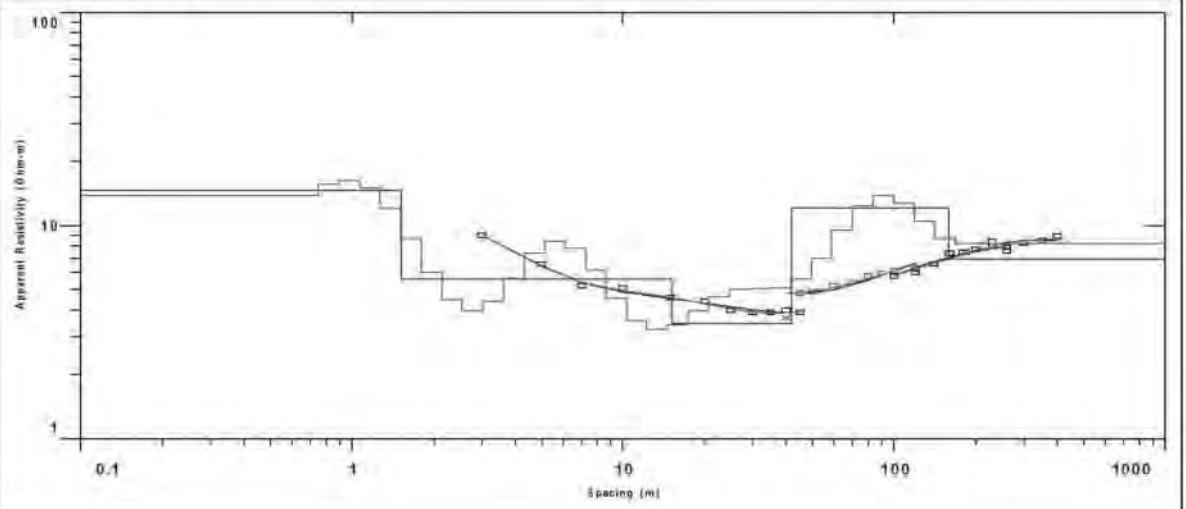
Remarks

SA2-33 Chaungchar Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

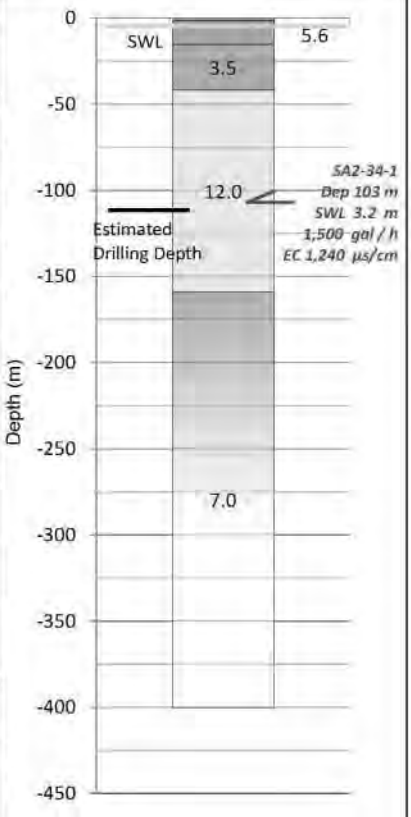
Village ID	SA2-34	Survey Date	17/06/2015
Village	Minyogone	Coordinate	X : 731,866
Township	Dabayin	(WGS 84 UTM Zone 46N)	Y : 2,513,234
Region	Sagaing	Elevation (m)	Z : 112

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	14.6	1.5	-1.5	Top Soil
2nd	5.6	13.7	-15.2	Alluvium deposit (Clay - Silt)
3rd	3.5	26.6	-41.8	Alluvium deposit (Clay)
4th	12.0	117.3	-159.1	Irrawaddy formation (Silt -Sand :Confined Aquifer)
5th	7.0			Irrawaddy formation (Clay)
6th				
7th				



Estimation Results of Hydrogeological Information

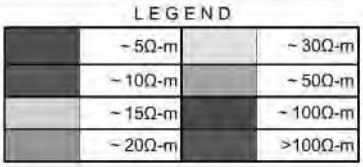
Target Aquifer	Lithology	Silt - Sand (Ir)	Estimated SWL(GL-m)	3 m (Confined)
	Depth (m)	42 - 159 m	Remarks:	
	Thickness (m)	>65m		
	Resistivity (Ω-m)	12.0		

Results of Evaluation

Estimated Drilling Depth(m)	110m	Possibility / Priority	C : Low-Medium Priority 5

Remarks

Since resistivity is shown low value, it is assumed that potential of target aquifer is low.
Therefore, It is recommended that drilling depth is set to deep part as possible.

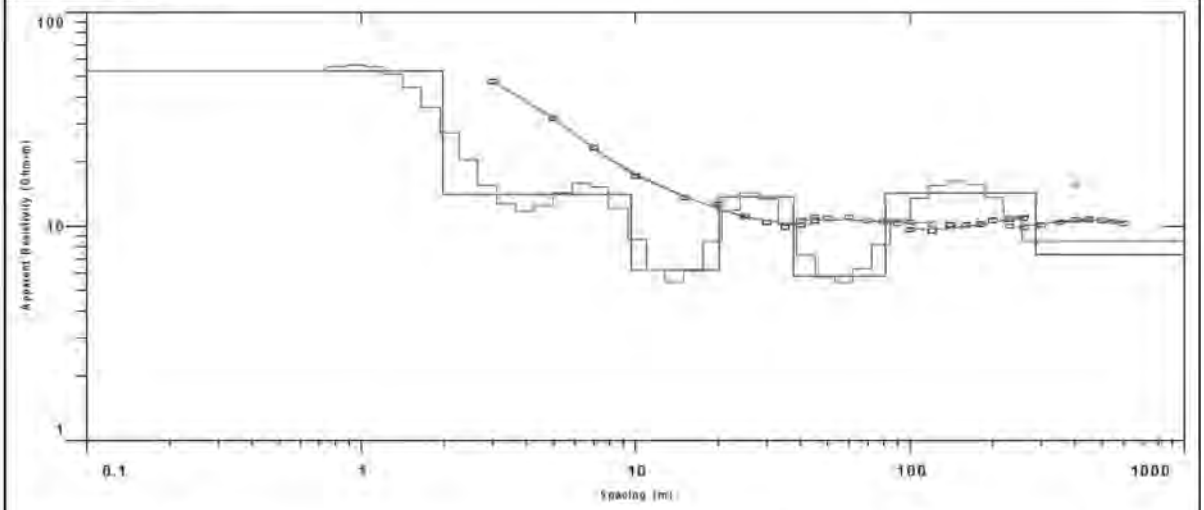


SA2-34 Minyogone Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

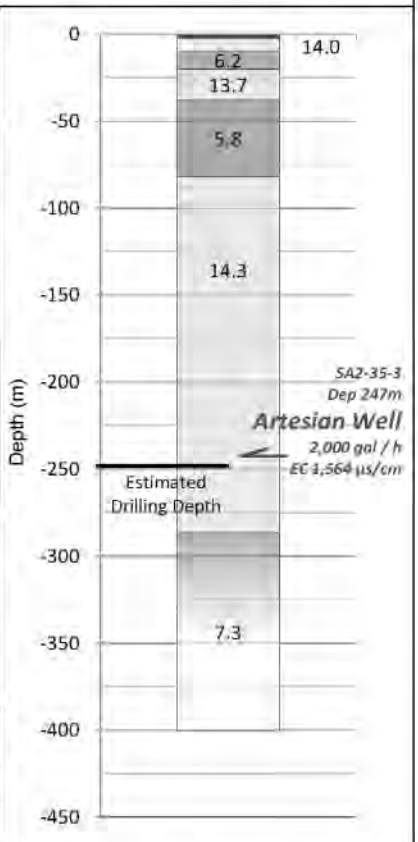
Village ID	SA2-35	Survey Date	16/06/2015
Village	Shandaw	Coordinate	X : 725,913
Township	Dabayin	(WGS 84 UTM Zone 46N)	Y : 2,501,505
Region	Sagaing	Elevation (m)	Z : 132

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	52.8	2.0	-2.0	Top soil
2nd	14.0	7.6	-9.6	Irrawaddy formation (Silt : Unsaturated?)
3rd	6.2	10.5	-20.1	Irrawaddy formation (Clay)
4th	13.7	17.6	-37.7	Irrawaddy formation (Silt : Unsaturated?)
5th	5.8	43.9	-81.6	Irrawaddy formation (Clay)
6th	14.3	205.0	-286.6	Irrawaddy formation (Silt - Sand : Saturated)
7th	7.3			Irrawaddy formation (Clay)



Estimation Results of Hydrogeological Information

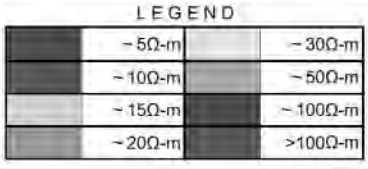
Target Aquifer	Lithology	Sand - Silt (Ir)	Estimated SWL(GL-m)	"+GL" Artesian Well
	Depth (m)	81 - 286 m	Remarks:	
	Thickness (m)	>170m		
	Resistivity (Ω-m)	14.3		

Results of Evaluation

Estimated Drilling Depth(m)	250 m	Possibility / Priority	C : Low-Medium Priority 4

Remarks

Drilling depth is decided by information of existing tube well.

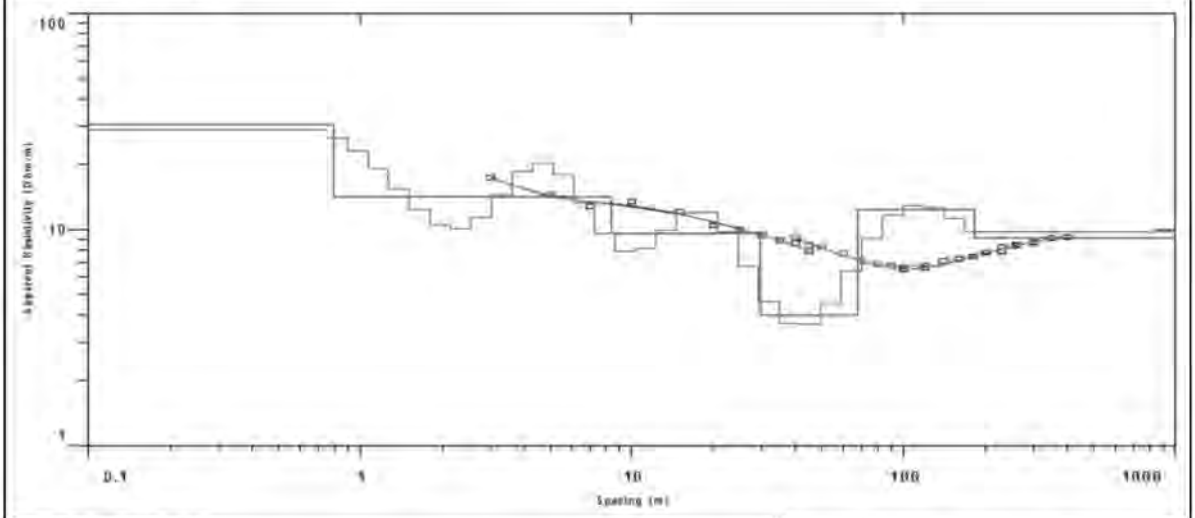


SA2-35 Shandaw Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

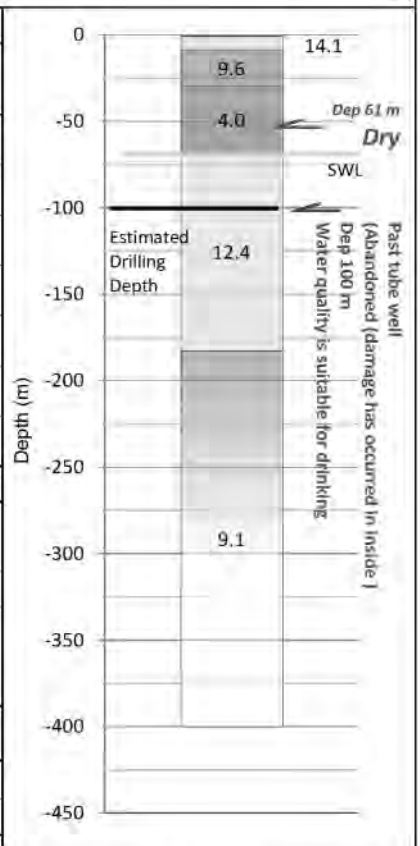
Village ID	SA2-36	Survey Date	15/06/2015
Village	Kyuntaw (S)	Coordinate	X : 728,632
Township	Dabayin	(WGS 84 UTM Zone 46N)	Y : 2,505,189
Region	Sagaing	Elevation (m)	Z : 121

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	30.6	0.8	-0.8	Top soil
2nd	14.1	7.6	-8.4	Alluvium deposit (Silt : Unsaturated)
3rd	9.6	21.3	-29.7	Alluvium deposit (Clay - Silt)
4th	4.0	38.2	-67.9	Irrawaddy formation (Clay)
5th	12.4	114.8	-182.7	Irrawaddy formation (Silt - Sand : Saturated)
6th	9.1			Irrawaddy formation (Silt -)
7th				



Estimation Results of Hydrogeological Information

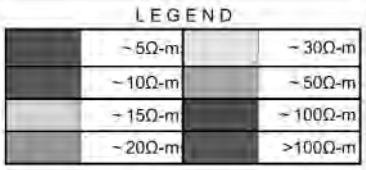
Target Aquifer	Lithology	Sand - Silt (Ir)	Estimated SWL(GL-m)	68m ?
	Depth (m)	68 - 183m	Remarks:	
	Thickness (m)	>32m		
	Resistivity (Ω-m)	12.4		

Results of Evaluation

Estimated Drilling Depth(m)	100 m	Possibility / Priority	C : Low-Medium Priority 5

Remarks

Drilling depth is decided by information of past tube well.

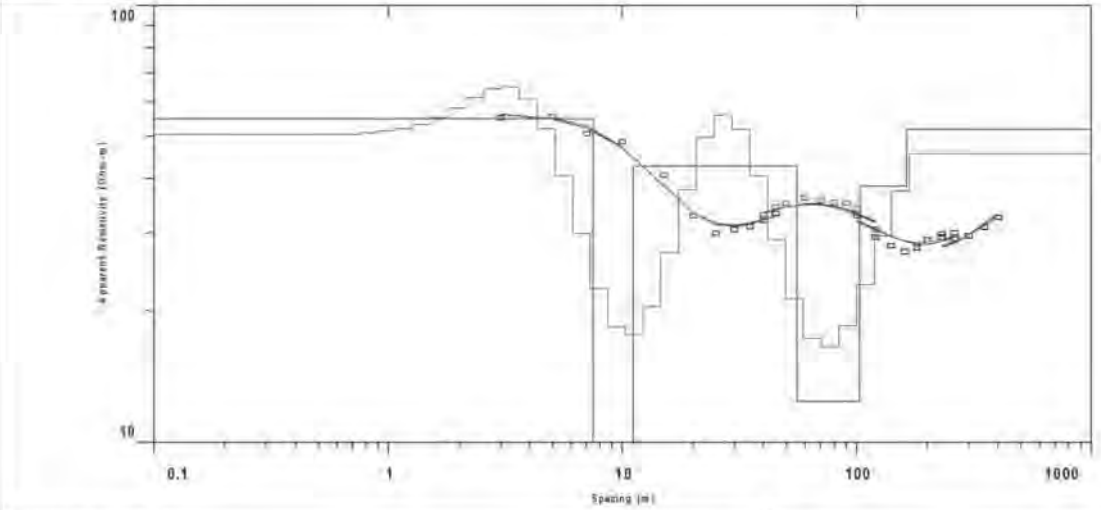


SA2-36 Kyuntaw (S) Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

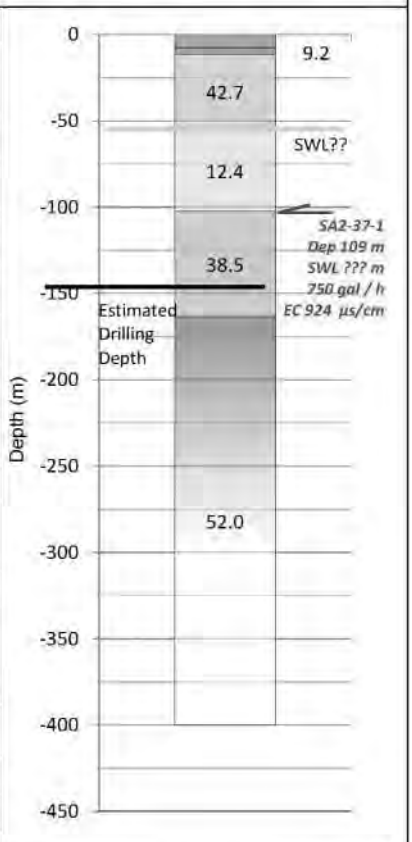
Village ID	SA2-37	Survey Date	10/06/2015
Village	PalaeThwe (Ywarthit)	Coordinate	X : 798,805
Township	Wetlet	(WGS 84 UTM Zone 46N)	Y : 2,492,481
Region	Sagaing	Elevation (m)	Z : 167

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	55.0	7.5	-7.5	Top Soil
2nd	9.2	3.6	-11.1	Irrawaddy formation (Clay)
3rd	42.7	44.3	-55.4	Irrawaddy formation (Sand - Silt? : Unsaturated)
4th	12.4	47.1	-102.5	Irrawaddy formation (Sily - Clay : Unsaturated)
5th	38.5	60.9	-163.4	Irrawaddy formation (Sand : Saturated)
6th	52.0			Irrawaddy formation (Sand with Gravel?)
7th				



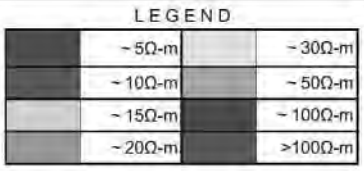
Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	55 m
	Depth (m)	102 - 163m	Remarks:	
	Thickness (m)	>28m		
	Resistivity (Ω-m)	38.5		

Results of Evaluation

Estimated Drilling Depth(m)	130 m	Possibility / Priority	A : High Priority 3

Remarks

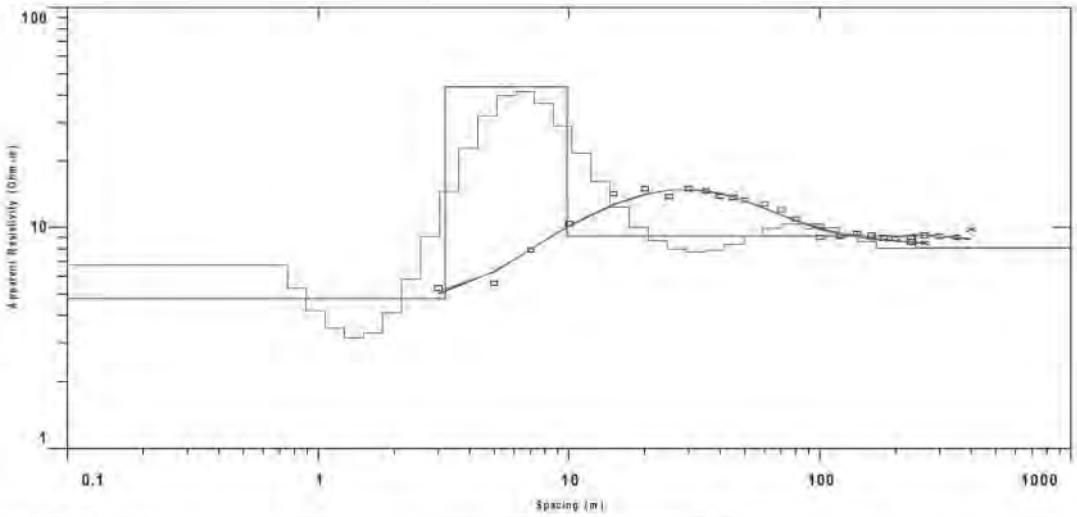


SA2-37 PalaeThwe (Ywarthit) Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

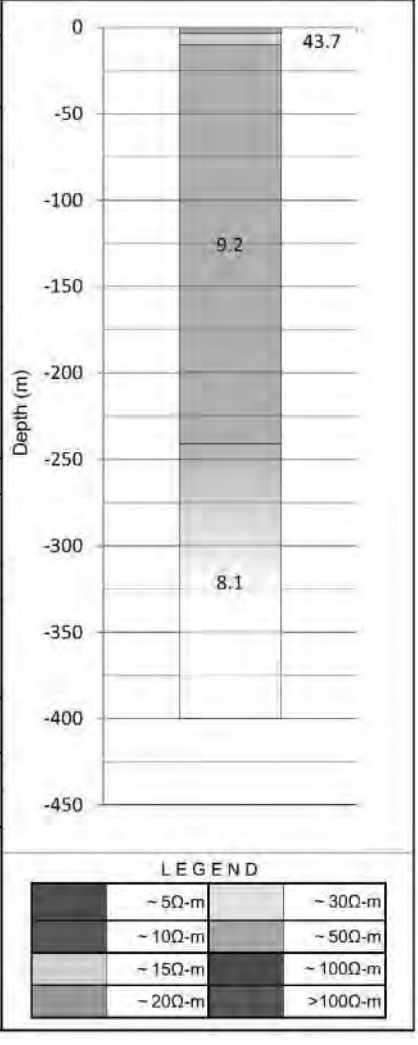
Village ID	SA2-38	Survey Date	09/06/2015
Village	Poukkan	Coordinate (WGS 84 UTM Zone 46N)	X : 796,554
Township	Wetlet		Y : 2,461,964
Region	Sagaing	Elevation (m)	Z : 105

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	4.7	3.2	-3.2	Top Soil
2nd	43.7	6.6	-9.8	Irrawaddy formation (Sand)
3rd	9.2	231.2	-241.0	Irrawaddy formation (Clay - Silt)
4th	8.1			
5th				
6th				
7th				



Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	-	Estimated SWL(GL-m)	
	Depth (m)	-	Remarks:	
	Thickness (m)	-		
	Resistivity (Ω-m)	-		

Results of Evaluation

Estimated Drilling Depth(m)	-	Possibility / Priority	D : No possibility

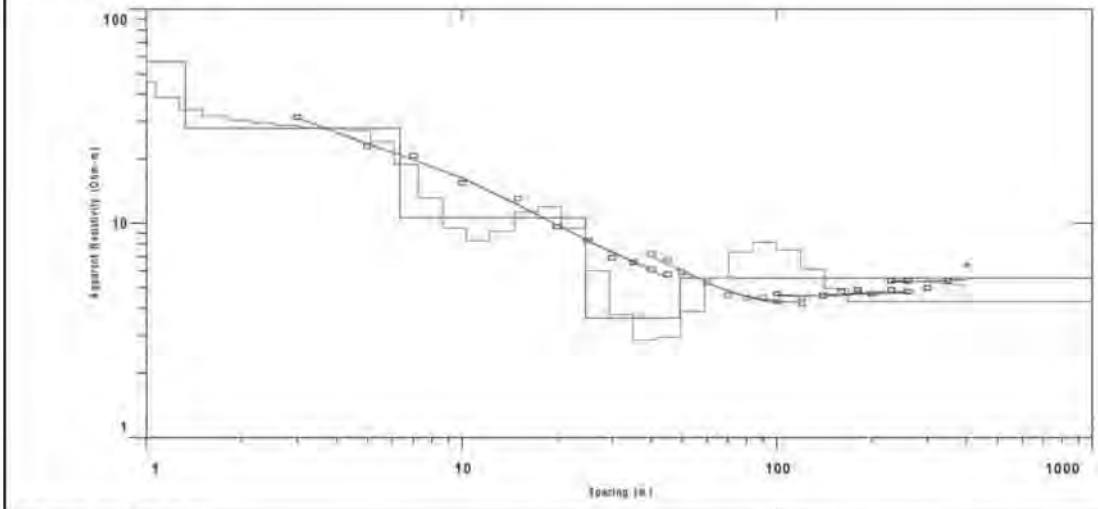
Remarks
Resistivity value indicates less than 10 Ohm-m up to deep part.
It suggests existence of clay or the aquifer that has bad water quality.
Therefore, recommended drilling point is not decided.

SA2-38 Poukkan Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

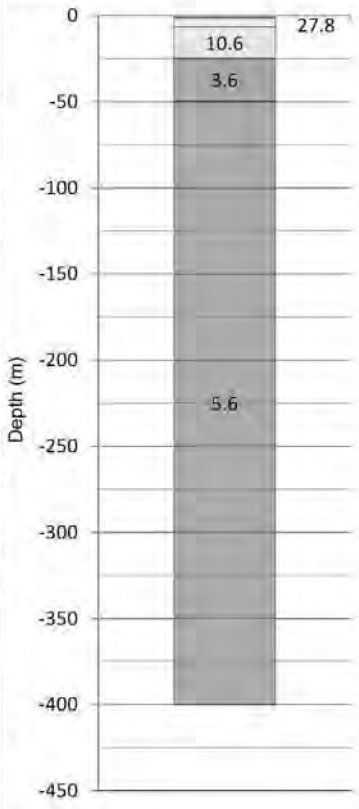
Village ID	SA2-39	Survey Date	10/06/2015
Village	Shwenyaungtaw	Coordinate (WGS 84 UTM Zone 46N)	X : 803,378
Township	Wetlet		Y : 2,470,867
Region	Sagaing	Elevation (m)	Z : 105

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	56.9	1.3	-1.3	Top Soil
2nd	27.8	5.0	-6.4	Irrawaddy formation (Sand)
3rd	10.6	18.3	-24.6	Irrawaddy formation (Silt)
4th	3.6	24.7	-49.3	Irrawaddy formation (Clay)
5th	5.6			
6th				
7th				



Estimation Results of Hydrogeological Information

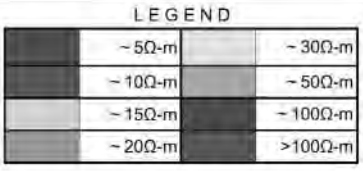
Target Aquifer	Lithology	-	Estimated SWL(GL-m)	
	Depth (m)	-	Remarks:	
	Thickness (m)	-		
	Resistivity (Ω-m)	-		

Results of Evaluation

Estimated Drilling Depth(m)	-	Possibility / Priority	D : No possibility

Remarks

Resistivity value indicates less than 10 Ohm-m up to deep part.
It suggests existence of clay or the aquifer that has bad water quality.
Therefore, recommended drilling point is not decided.

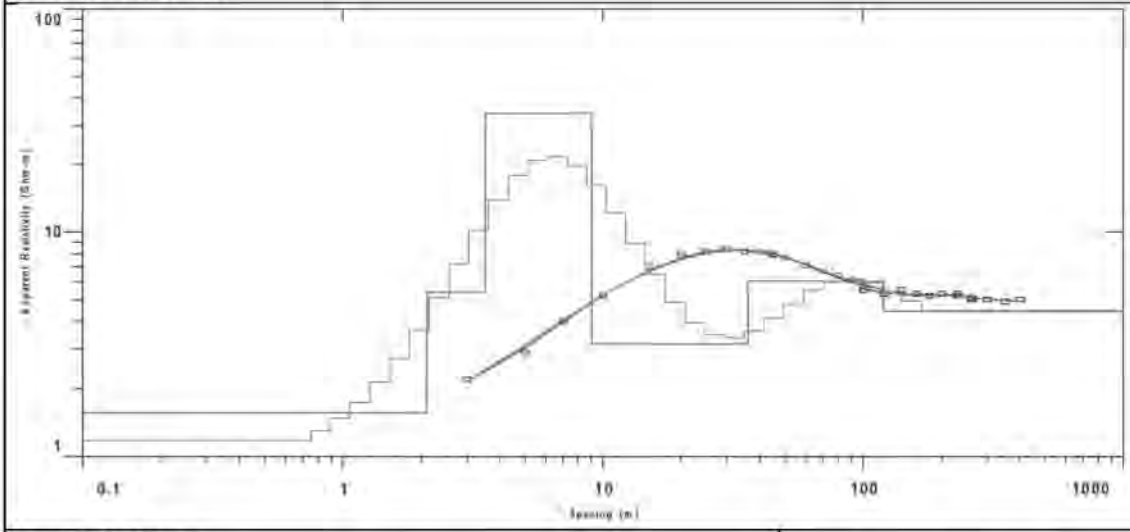


SA2-39 Shwenyaungtaw Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

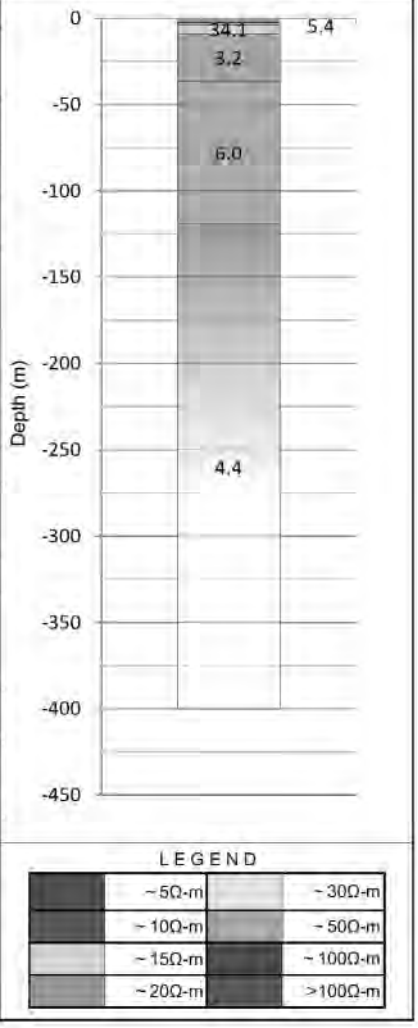
Village ID	SA2-40	Survey Date	09/06/2015
Village	Sabeidaw	Coordinate	X : 786,537
Township	Wetlet	(WGS 84 UTM Zone 46N)	Y : 2,473,987
Region	Sagaing	Elevation (m)	Z : 99

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	1.6	2.1	-2.1	Top Soil
2nd	5.4	1.4	-3.5	Irrawaddy formation (Clay)
3rd	34.1	5.5	-9.1	Irrawaddy formation (Sand)
4th	3.2	27.1	-36.1	Irrawaddy formation (Clay)
5th	6.0	83.2	-119.3	
6th	4.4			
7th				



Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	-	Estimated SWL(GL-m)	
	Depth (m)	-	Remarks:	
	Thickness (m)	-		
	Resistivity (Ω-m)	-		

Results of Evaluation

Estimated Drilling Depth(m)	-	Possibility / Priority	D : No Possibility

Remarks
Resistivity value indicates less than 10 Ohm-m up to deep part.
It suggests existence of clay or the aquifer that has bad water quality.
Therefore, recommended drilling point is not decided.

SA2-40 Sabeidaw Village

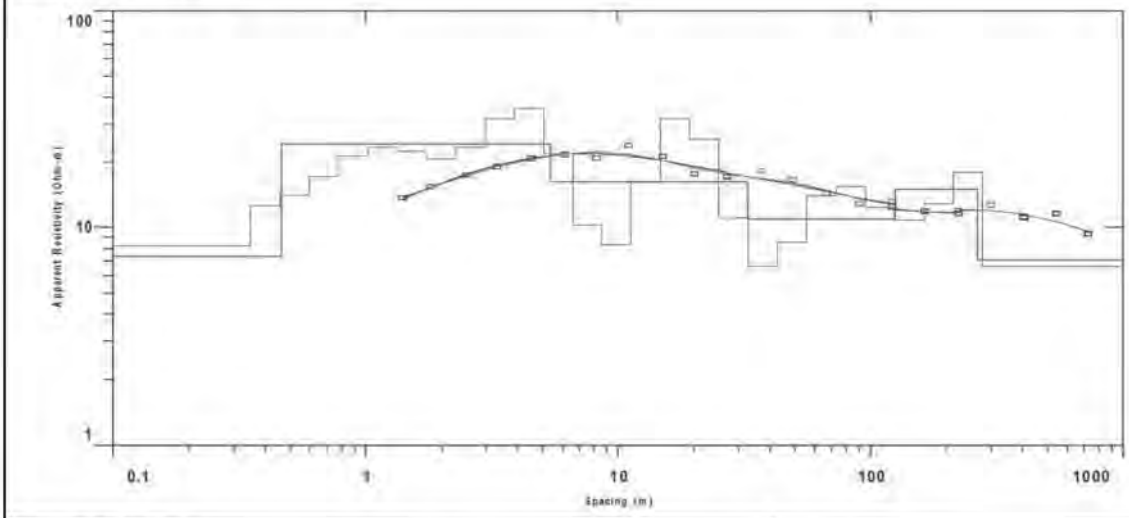
垂直電気探査（マンダレー地域）

MA2-02	Asone Village
MA2-03	Khinthar(S) Village
MA2-04	Chaysay Village
MA2-05	Talgyi Village
MA2-06	Kuywar Village
MA2-08	Nyaungwum Village
MA2-17	Chaungsone(La) Village
MA2-19	Tharzi Village
MA2-20	Kanaye Village
MA2-22	Oakpo Village
MA2-23	Kangyi Village
MA2-24	Htanekan Village
MA2-25	Waryonesu Village
MA2-26	Talkone Village
MA2-27	Tawbyar Village
MA2-28	Setsetyo Village
MA2-29	Kanzauk Village
MA2-30	Talbindel Village
MA2-31	Mongywettaw Village
MA2-34	Saingkan(Tetide) Village
MA2-35	Byugyi Village
MA2-39	Thayattaw Village
MA2-40	Nakyatkhwal Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

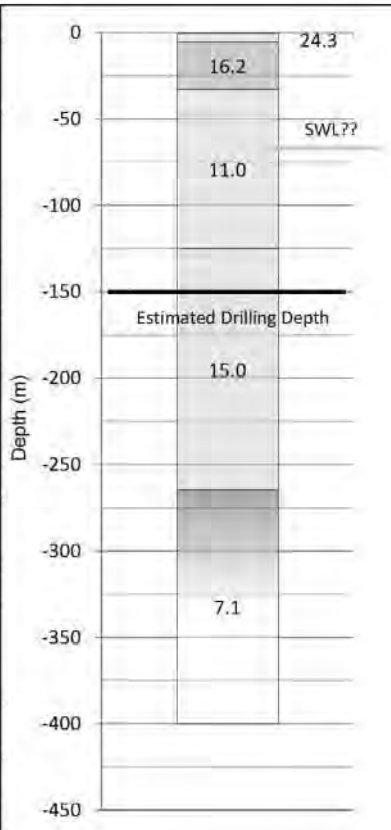
Village ID	MA2-02	Survey Date	28/06/2015
Village	Asone	Coordinate	X : 769,139
Township	Mahlaing	(WGS 84 UTM Zone 46N)	Y : 2,329,229
Region	Mandalay	Elevation (m)	Z : 283

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	7.4	0.5	-0.5	Top soil (unsaturated)
2nd	24.3	4.9	-5.4	
3rd	16.2	27.2	-32.6	Irrawaddy formation (Silt : Unsaturated)
4th	11.0	92.6	-125.2	Irrawaddy formation (Silt : Semisaturated)
5th	*15.0*	*139.3*	*-264.5*	Irrawaddy formation (Sand : Saturated)
6th	7.1			Pegu Group? (Mudstone)
7th				



Estimation Results of Hydrogeological Information

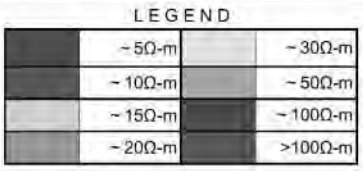
Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	60 m
	Depth (m)	125 - 265m	Remarks:	
	Thickness (m)	>25m		
	Resistivity (Ω-m)	15.0		

Results of Evaluation

Estimated Drilling Depth(m)	155 m	Possibility / Priority	B : Medium Priority 4

Remarks

Drilling depth is estimated from existing tube well which has a similar situation of geological feature.(MA2-01)

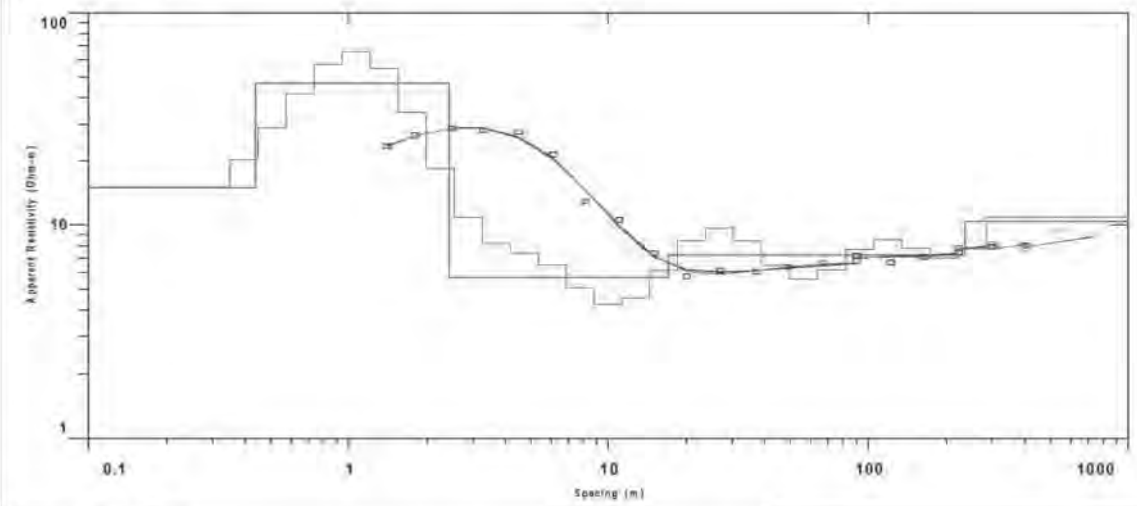


MA2-02 Asone Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

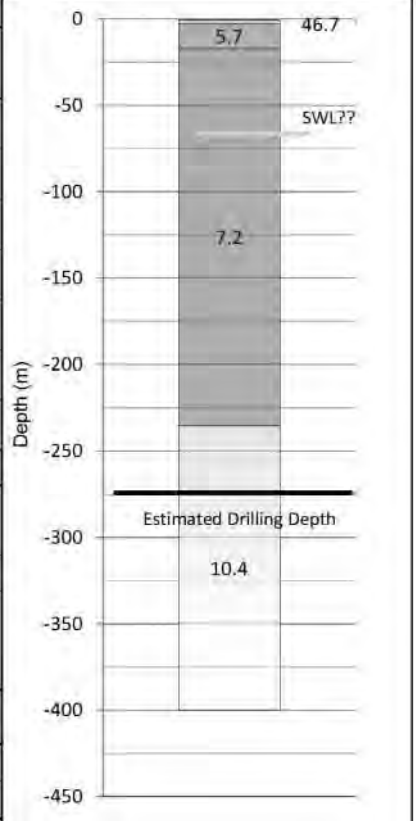
Village ID	MA2-03	Survey Date	28/06/2015
Village	Khinthar(S)	Coordinate	X : 782,173
Township	Mahlaing	(WGS 84 UTM Zone 46N)	Y : 2,317,120
Region	Mandalay	Elevation (m)	Z : 305

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	15.0	0.4	-0.4	Top soil
2nd	46.7	2.0	-2.4	Top soil
3rd	5.7	14.6	-17.0	Pegu Group (Mudstone/silt?)
4th	7.2	218.4	-235.4	Pegu Group (Mudstone/silt?)
5th	*10.4*			Pegu Group (Sandstone?)
6th				
7th				



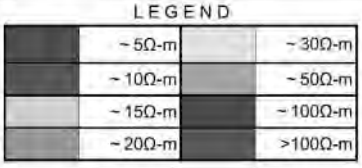
Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	Pegu Group (Sandstone?)	Estimated SWL(GL-m)	60 m
	Depth (m)	>-235m	Remarks:	
	Thickness (m)	>25m		
	Resistivity (Ω-m)	10.4		

Results of Evaluation

Estimated Drilling Depth(m)	270 m	Possibility / Priority	C : Low-Medium Priority 4

Remarks

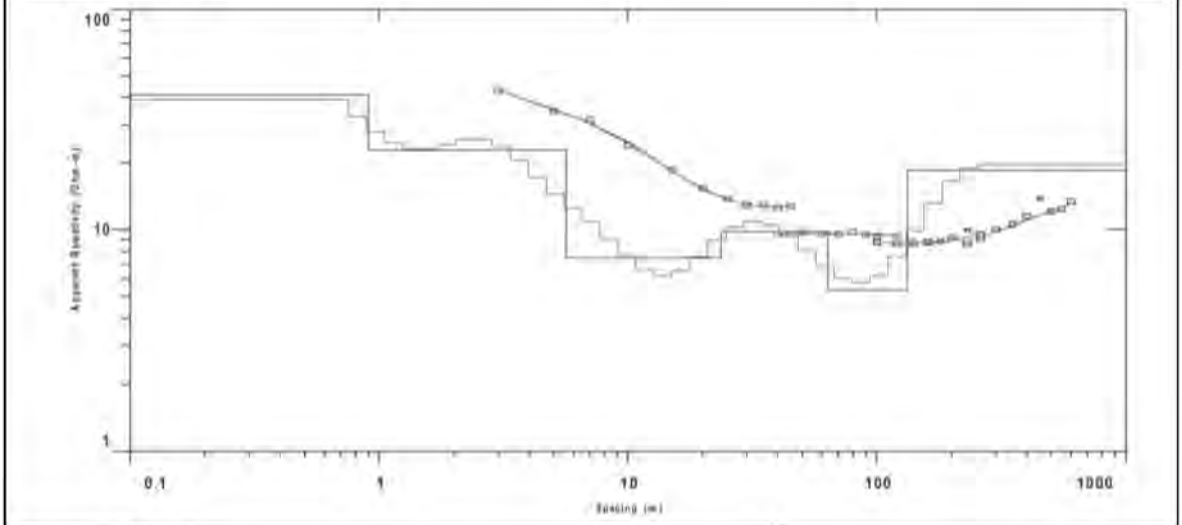


MA2-03 Khinthar(S) Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

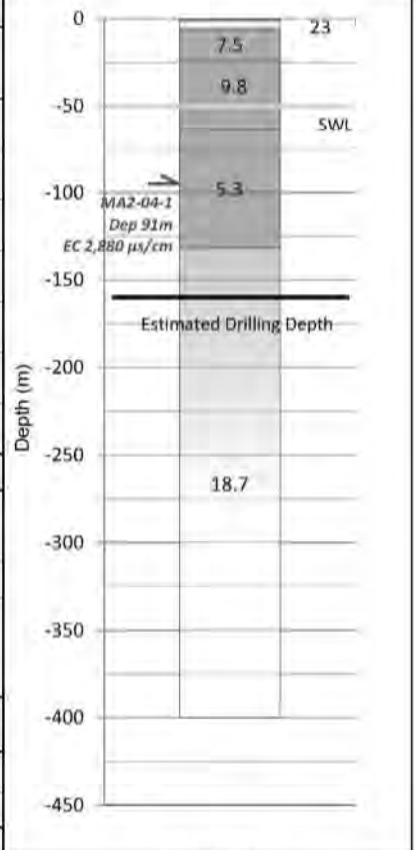
Village ID	MA2-04	Survey Date	01/06/2015
Village	Chaysay	Coordinate	X : 753,016
Township	Myingyan	(WGS 84 UTM Zone 46N)	Y : 2,368,981
Region	Mandalay	Elevation (m)	Z : 130

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	41.0	0.9	-0.9	Top Soil
2nd	23.0	4.7	-5.6	Top Soil
3rd	7.5	18.0	-23.6	Pegu Group (>Ms)
4th	9.8	39.8	-63.4	Pegu Group (>Ms)
5th	5.3	68.5	-131.9	Pegu Group (>Ms)
6th	18.7			Pegu Group (>Ss:Saturated?)
7th				



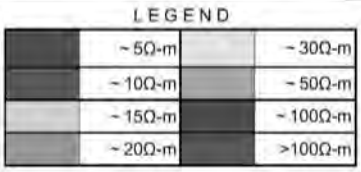
Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	Pegu Group (>Ss)	Estimated SWL(GL-m)	50 m
	Depth (m)	>132m	Remarks:	
	Thickness (m)	>25m	Static water level is estimated by tube well which is located near the site.	
	Resistivity (Ω-m)	18.7		

Results of Evaluation

Estimated Drilling Depth(m)	160 m	Possibility / Priority	A : High Priority 3

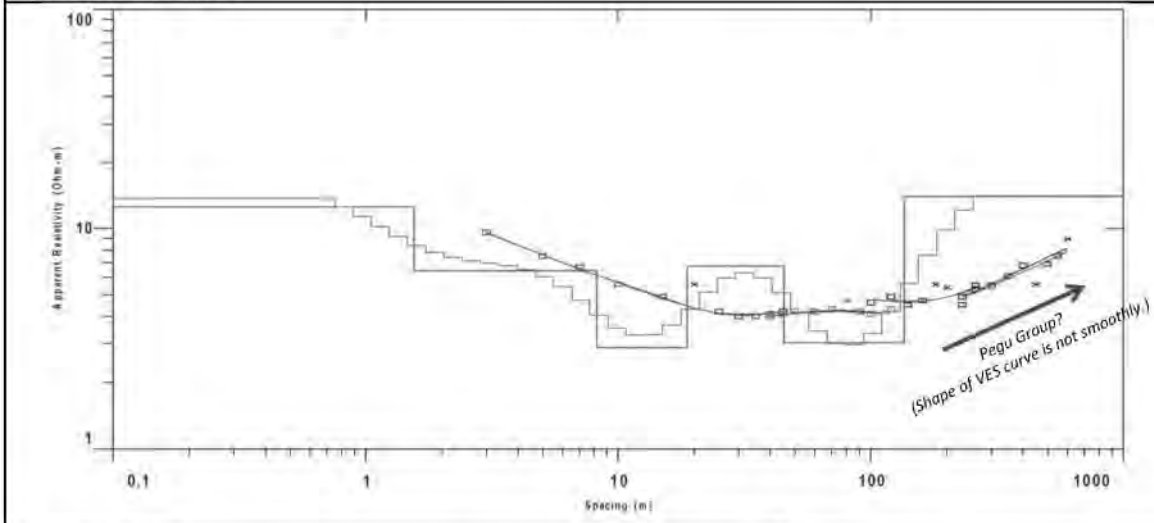
Remarks



Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

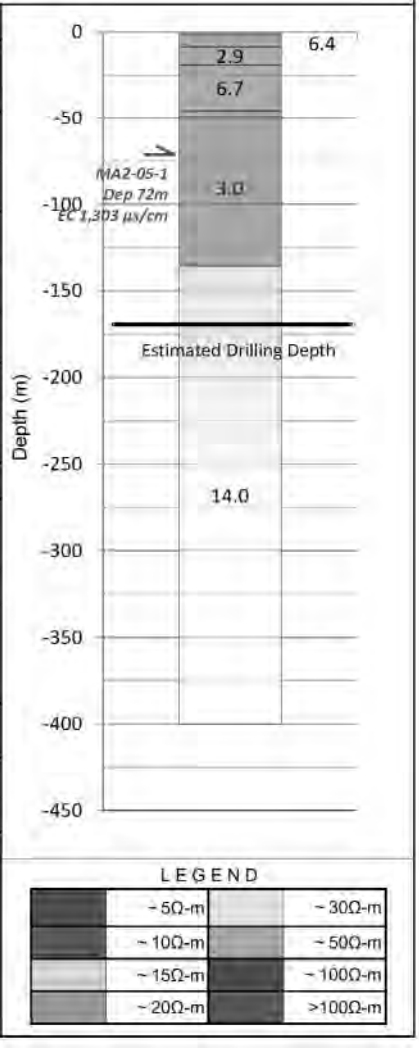
Village ID	MA2-05	Survey Date	02/06/2015
Village	Talgyi	Coordinate	X : 758,848
Township	Myingyan	(WGS 84 UTM Zone 46N)	Y : 2,404,789
Region	Mandalay	Elevation (m)	Z : 105

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	12.5	1.5	-1.5	Top Soil
2nd	6.4	6.7	-8.3	Alluvium Deposit?
3rd	2.9	10.5	-18.7	Irrawaddi formation? (Clay)
4th	6.7	26.5	-45.3	Irrawaddi formation? (Silt)
5th	3.0	90.3	-135.6	Irrawaddi formation? (Clay)
6th	14.0			Pegu Group? (>Ss)
7th				



Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	Pegu Group? (>Ss)	Estimated SWL(GL-m)	?
	Depth (m)	>136m	Remarks:	
	Thickness (m)	>34m		
	Resistivity (Ω-m)	14.0		

Results of Evaluation

Estimated Drilling Depth(m)	170 m	Possibility / Priority	C : Low-Middle Priority 5

Remarks

LEGEND

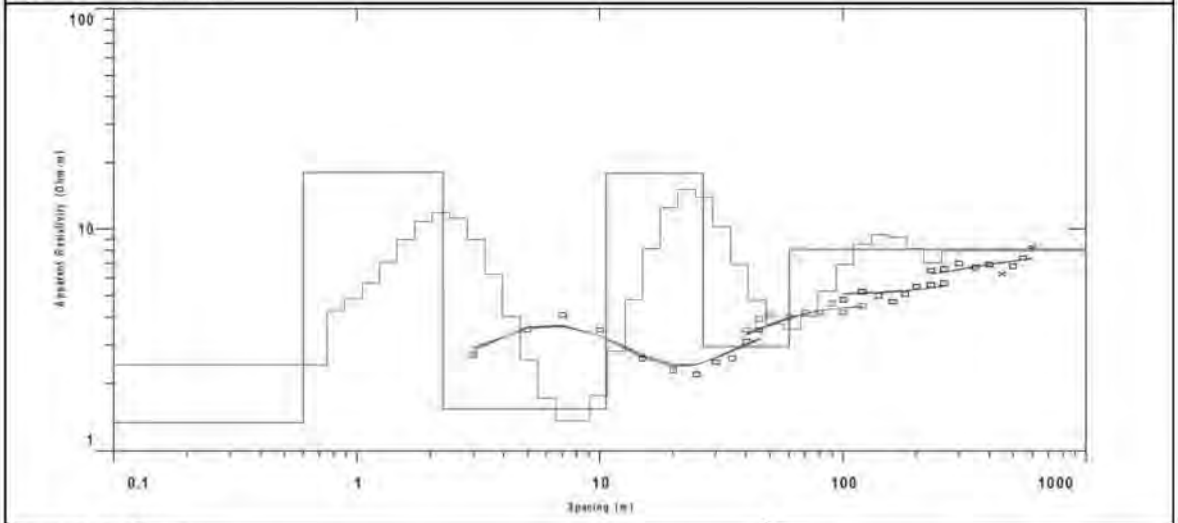
	~ 5Ω-m		~ 30Ω-m
	~ 10Ω-m		~ 50Ω-m
	~ 15Ω-m		~ 100Ω-m
	~ 20Ω-m		>100Ω-m

MA2-05 Talgyi Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

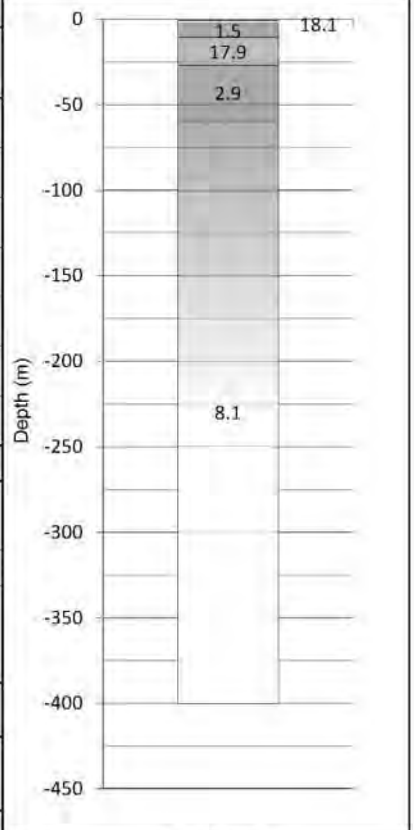
Village ID	MA2-06	Survey Date	01/06/2015
Village	Kuywar	Coordinate	X : 750,116
Township	Myingyan	(WGS 84 UTM Zone 46N)	Y : 2,369,227
Region	Mandalay	Elevation (m)	Z : 117

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	1.3	0.6	-0.6	
2nd	18.1	1.6	-2.2	
3rd	1.5	8.4	-10.6	
4th	17.9	16.0	-26.6	
5th	2.9	33.4	-59.5	
6th	8.1			
7th				



Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	-	Estimated SWL(GL-m)	-
	Depth (m)	-	Remarks:	
	Thickness (m)	-		
	Resistivity (Ω-m)	-		

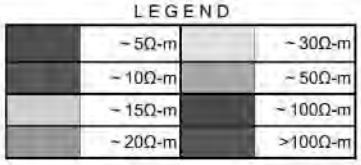
Results of Evaluation

Estimated Drilling Depth(m)	-	Priority	No Possibility

Remarks

Refer to 2D results mor[illegible] information

for more information

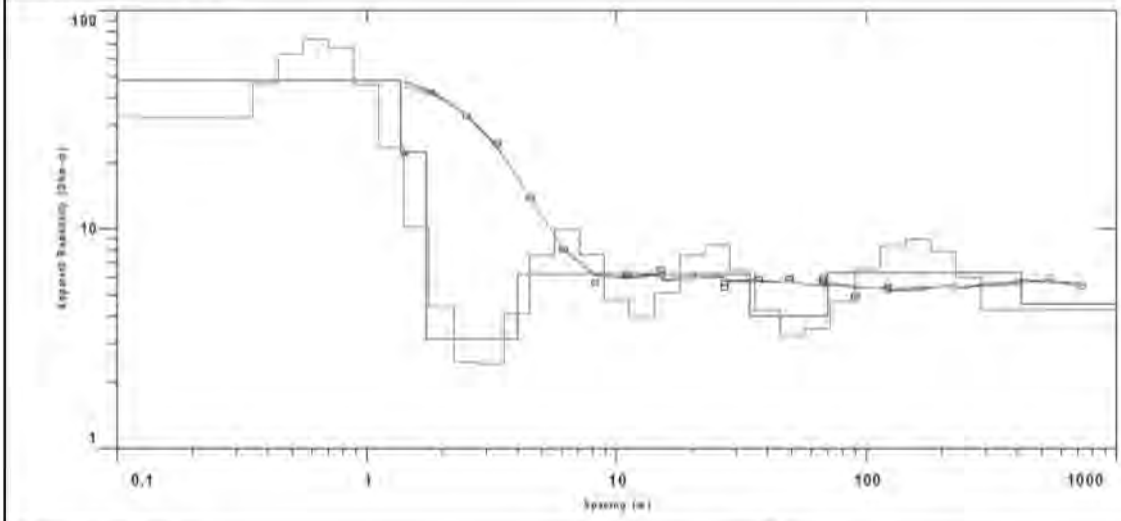


MA2-06 Kuywar Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

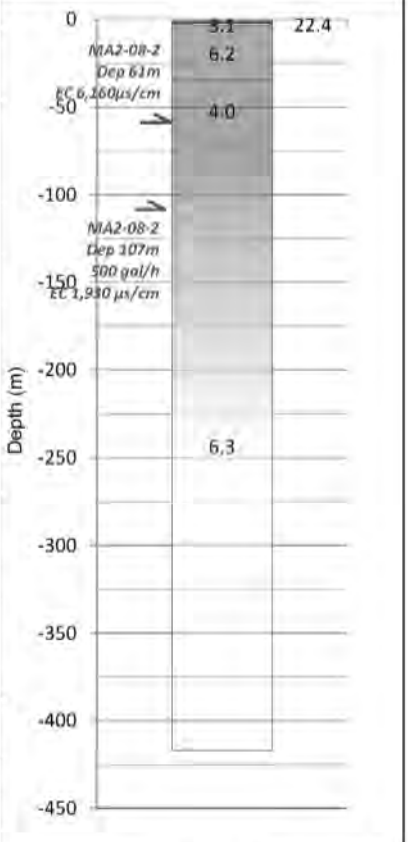
Village ID	MA2-08	Survey Date	26/06/2015
Village	Nyaungwum	Coordinate	X : 755,305
Township	Myingyan	(WGS 84 UTM Zone 46N)	Y : 2,403,440
Region	Mandalay	Elevation (m)	Z : 106

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	47.9	1.4	-1.4	Top Soil
2nd	22.4	0.4	-1.7	
3rd	3.1	2.3	-4.0	Alluvium deposit (Clay ~ Silt)
4th	6.2	30.2	-34.2	Alluvium deposit (Silt)
5th	4.0	35.8	-70.0	Irrawaddy Formation (Clay)
6th	6.3	346.8	-416.8	Irrawaddy Formation (Silt)
7th	4.5			Irrawaddy Formation (Clay)



Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	-	Estimated SWL(GL-m)	
	Depth (m)	-	Remarks:	
	Thickness (m)	-		
	Resistivity (Ω-m)	-		

Results of Evaluation

Estimated Drilling Depth(m)	-	Possibility / Priority	D : No posibility

Remarks

Resistivity value indicates less than 10 Ohm-m up to deep part.
It suggests existence of clay or the aquifer that has bad water quality.
Therefore, recommended drilling point is not decided.

LEGEND

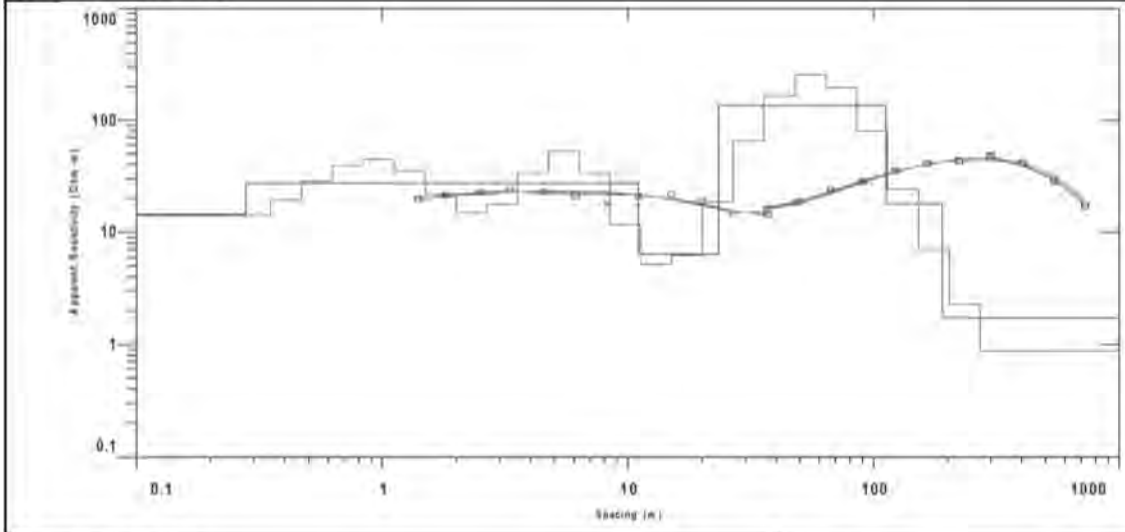
	~ 5Ω-m		~ 30Ω-m
	~ 10Ω-m		~ 50Ω-m
	~ 15Ω-m		~ 100Ω-m
	~ 20Ω-m		>100Ω-m

MA2-08 Nyaungwum Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

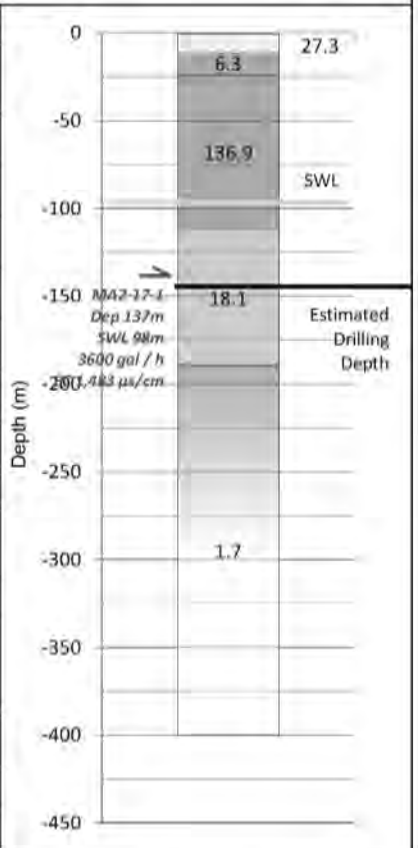
Village ID	MA2-17	Survey Date	27/06/2015
Village	Chaungsone(La)	Coordinate	X : 735,402
Township	Taungtha	(WGS 84 UTM Zone 46N)	Y : 2,354,865
Region	Mandalay	Elevation (m)	Z : 169

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	14.4	0.3	-0.3	Top Soil
2nd	27.3	10.7	-11.0	Top Soil / Irrawaddy
3rd	6.3	12.3	-23.3	Irrawaddy formation (Clay : Unsaturated)
4th	136.9	89.0	-112.3	Irrawaddy formation (Sand with silicified wood?)
5th	*18.1*	*77.1*	*-189.5*	*Irrawaddy formation (Sand : Saturated)*
6th	1.7			Irrawaddy formation (Clay)
7th				



Estimation Results of Hydrogeological Information

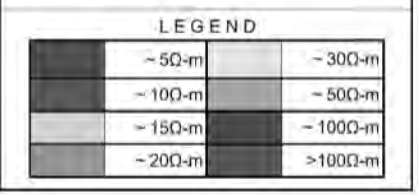
Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	98 m
	Depth (m)	112 - 189m	Remarks:	
	Thickness (m)	>25m		
	Resistivity (Ω-m)	18.1		

Results of Evaluation

Estimated Drilling Depth(m)	140 m	Possibility / Priority	A : High Priority 3

Remarks

Drilling depth is decided by existing tube well.

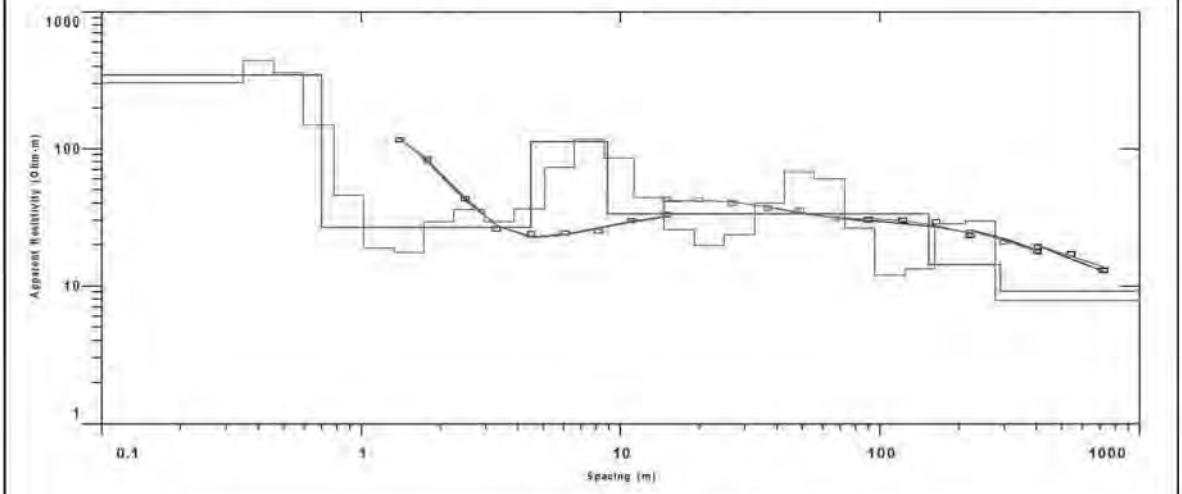


MA2-17 Chaungsone(La) Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

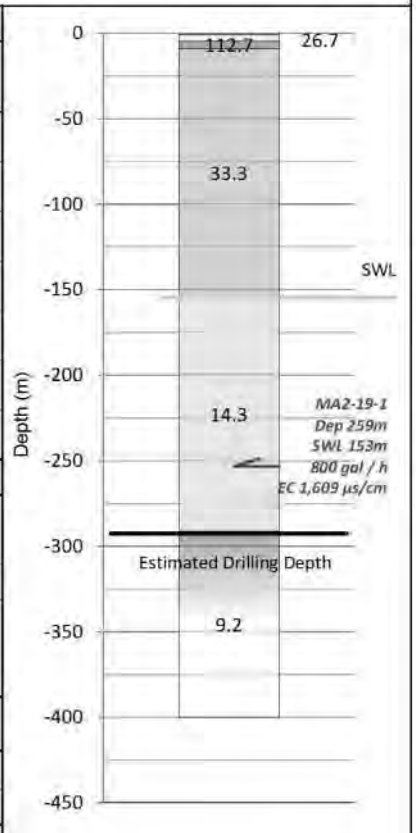
Village ID	MA2-19	Survey Date	27/06/2015
Village	Tharzi	Coordinate (WGS 84 UTM Zone 46N)	X : 740,013
Township	Taungtha		Y : 2,346,810
Region	Mandalay	Elevation (m)	Z : 192

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	344.4	0.7	-0.7	Top Soil
2nd	26.7	3.8	-4.5	Top Soil
3rd	112.7	4.4	-8.9	Irrawaddi formation (Sand : Unsaturated)
4th	33.3	145.3	-154.2	Irrawaddi formation (Sand - Silt : Unsaturated)
5th	14.3	136.9	-291.1	Irrawaddi formation (Sand - Silt : Saturated)
6th	9.2			Irrawaddi formation (Clay)
7th				



Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	Sand - Silt (Ir)	Estimated SWL(GL-m)	154 m
	Depth (m)	154 - 291m	Remarks:	
	Thickness (m)	>140m		
	Resistivity (Ω-m)	18.6		

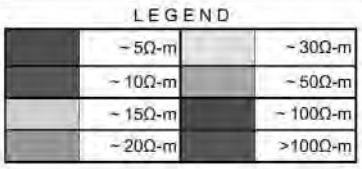
Results of Evaluation

Estimated Drilling Depth(m)	290 m	Possibility / Priority	C : Low-Medium
			Priority 4

Remarks

From existing borehole,It is expected that capacity of target aquifers is low.

Therefore,It is recommended that drilling depth is set to deep part as possible.

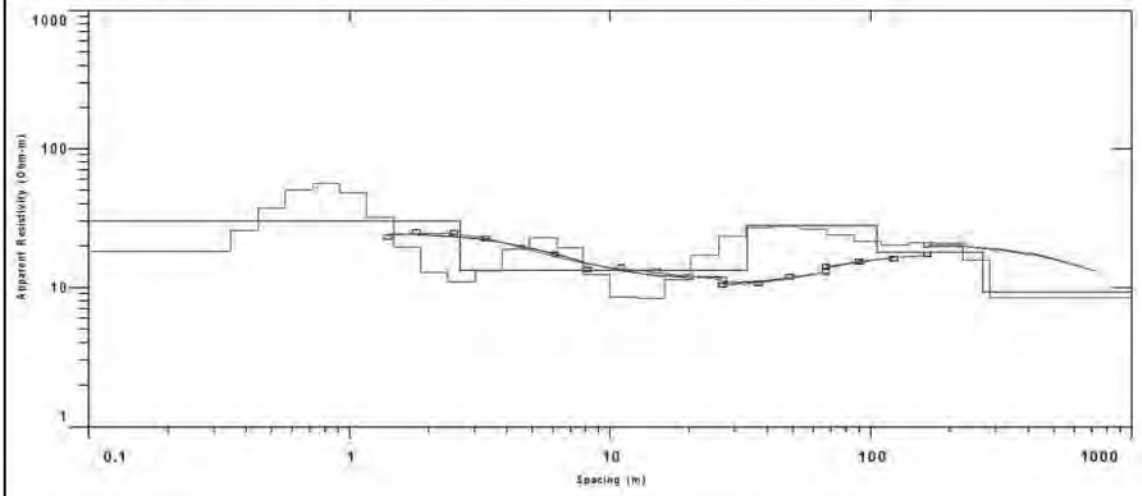


MA2-19 Tharzi Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

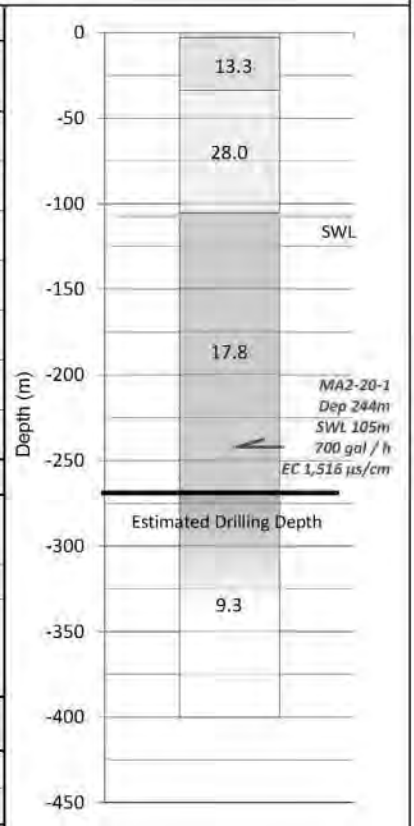
Village ID	MA2-20	Survey Date	26/06/2015
Village	Kanaye	Coordinate	X : 740,583
Township	Taungtha	(WGS 84 UTM Zone 46N)	Y : 2,349,003
Region	Mandalay	Elevation (m)	Z : 181

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	29.8	2.7	-2.7	Top Soil
2nd	13.3	30.9	-33.6	Irrawaddi formation (Clay -Silt :Unsaturated)
3rd	28.0	71.6	-105.2	Irrawaddi formation (Sand - Silt :Unsaturated)
4th	17.8	162.4	-267.6	Irrawaddi formation (Sand : Saturated)
5th	9.3			Irrawaddi formation (Silt: Saturated)
6th				
7th				



Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	105 m
	Depth (m)	105 - 268m	Remarks:	
	Thickness (m)	>160m		
	Resistivity (Ω-m)	17.8		

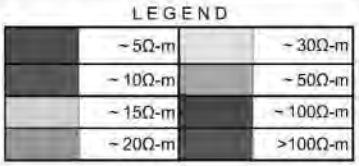
Results of Evaluation

Estimated Drilling Depth(m)	265 m	Possibility / Priority	C : Low-Medium Priority 4

Remarks

From existing borehole,It is expected that capacity of target aquifers is low.

Therefore,It is recommended that drilling depth is set to deep part as possible.

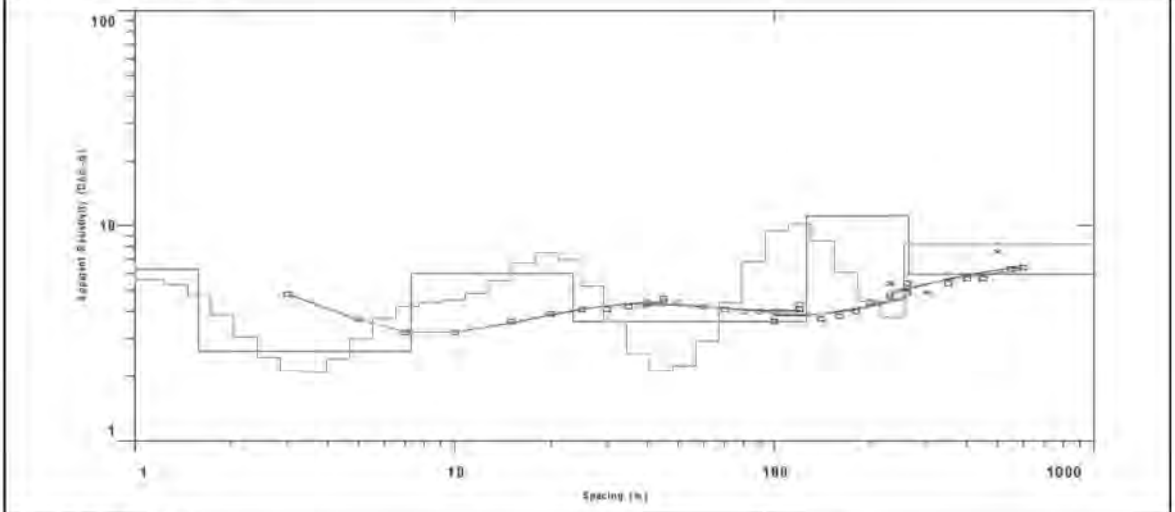


MA2-20 Kanaye Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

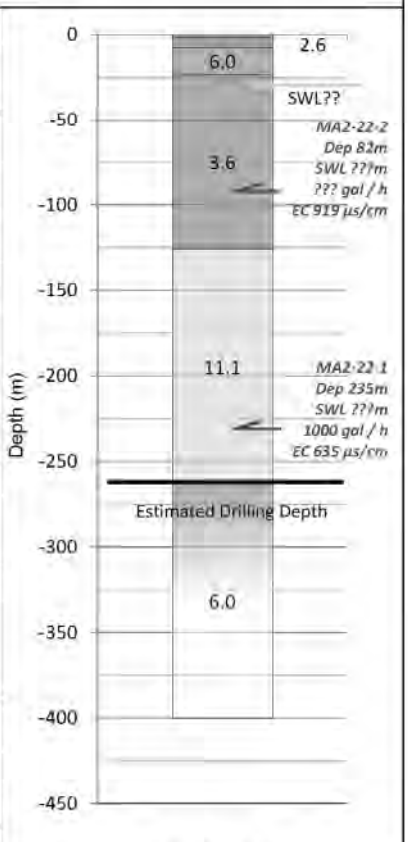
Village ID	MA2-22	Survey Date	30/05/2015
Village	Oakpo	Coordinate	X : 826,979
Township	Yamethin	(WGS 84 UTM Zone 46N)	Y : 2,270,938
Region	Mandalay	Elevation (m)	Z : 187

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	6.3	1.6	-1.6	Top Soil
2nd	2.6	5.7	-7.3	Top Soil / Alluvium
3rd	6.0	16.1	-23.4	Allvium Deposit (Silt : Unsaturated)
4th	3.6	102.5	-125.9	Irrawaddi formation (Silt - Clay : Saturated)
5th	11.1	137.3	-263.1	Irrawaddi formation (Silt - Sand : Saturated)
6th	6.0			Irrawaddi formation (Silt : Saturated)
7th				



Estimation Results of Hydrogeological Information

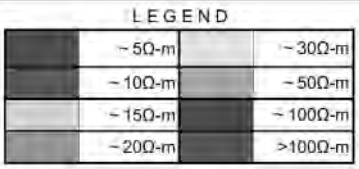
Target Aquifer	Lithology	Silt - Sand (Ir)	Estimated SWL(GL-m)	30m (Confined?)
	Depth (m)	126 - 263m	Remarks:	
	Thickness (m)	>100m		
	Resistivity (Ω-m)	11.1		

Results of Evaluation

Estimated Drilling Depth(m)	260 m	Possibility / Priority	C : Low-Medium Priority 4

Remarks

From existing borehole,It is expected that capacity of target aquifers is low.Therefore,It is recommended that drilling depth is set to deep part as possible.

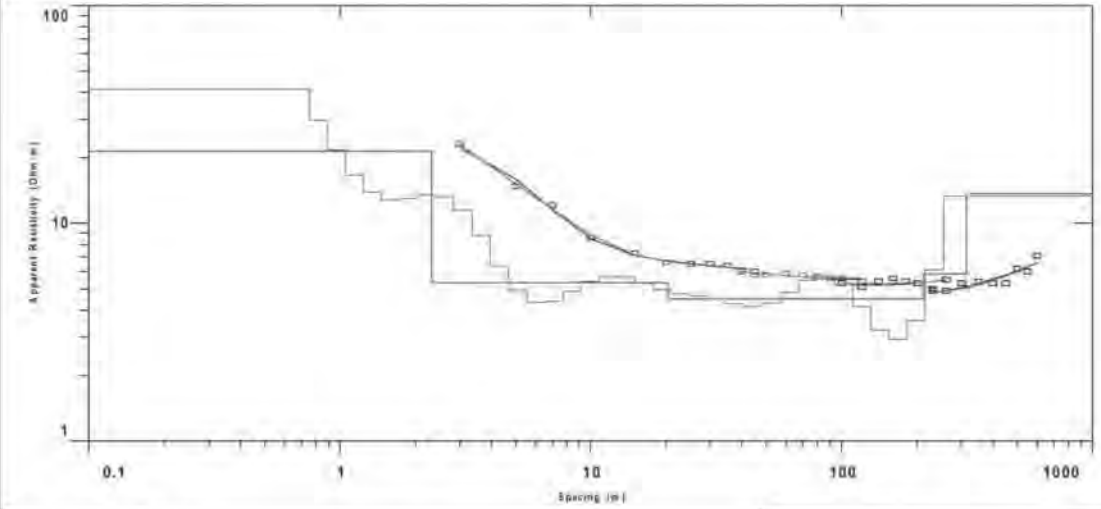


MA2-22 Oakpo Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

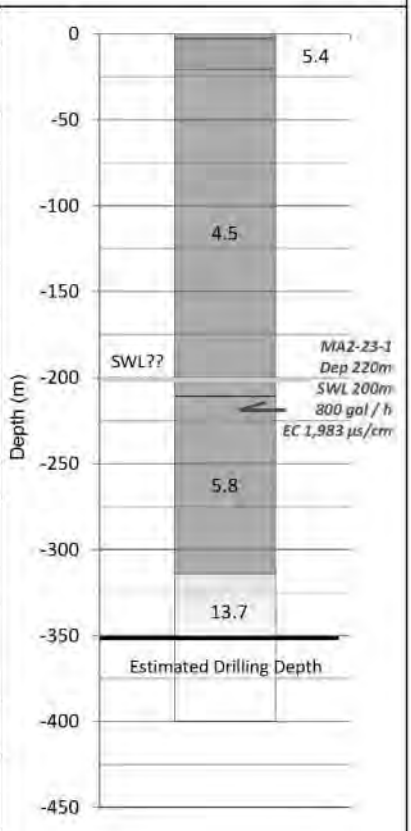
Village ID	MA2-23	Survey Date	30/05/2015
Village	Kangyi	Coordinate	X : 828,886
Township	Yamethin	(WGS 84 UTM Zone 46N)	Y : 2,246,238
Region	Mandalay	Elevation (m)	Z : 214

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	21.4	2.3	-2.3	Top Soil
2nd	5.4	18.0	-20.3	Alluvium Deposit?
3rd	4.5	190.5	-210.7	Irrawaddi formation (Clay)
4th	5.8	103.2	-313.9	Irrawaddi formation (Silt - Clay)
5th	13.7			Irrawaddi formation (Silt - Sand)
6th				
7th				



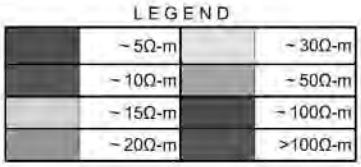
Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	Silt - Sand (Ir)	Estimated SWL(GL-m)	200 m
	Depth (m)	>314m	Remarks:	
	Thickness (m)	>35m		
	Resistivity (Ω-m)	13.7		

Results of Evaluation

Estimated Drilling Depth(m)	350 m	Possibility / Priority	C : Low-Medium Priority 3

Remarks

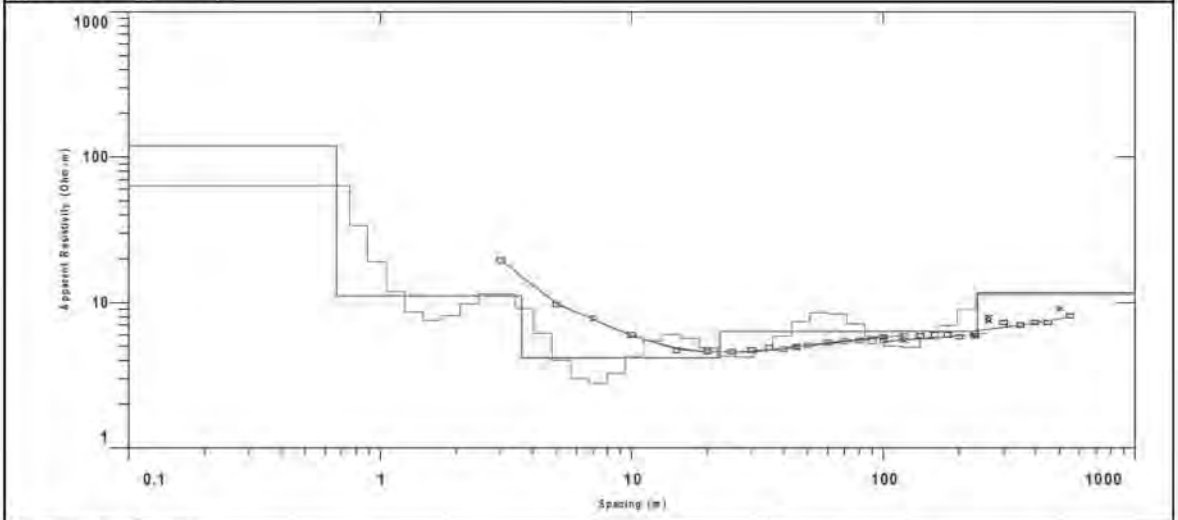


MA2-23 Kangyi Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

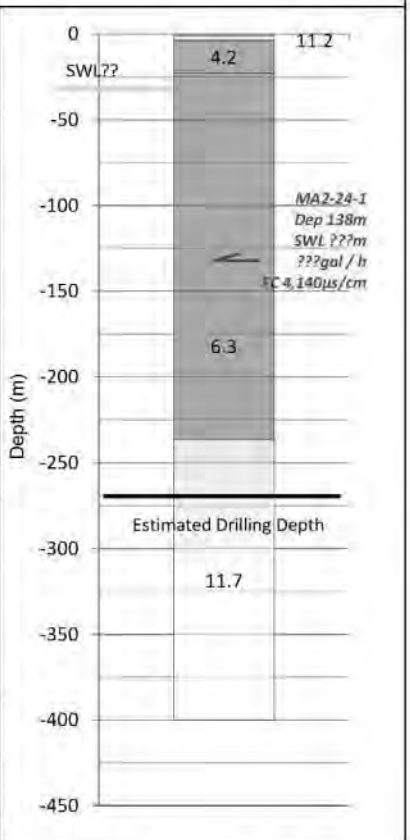
Village ID	MA2-24	Survey Date	29/05/2015
Village	Htanekan	Coordinate	X : 804,460
Township	Pyawbwe	(WGS 84 UTM Zone 46N)	Y : 2,275,571
Region	Mandalay	Elevation (m)	Z : 230

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	119.4	0.7	-0.7	Top Soil
2nd	11.2	3.0	-3.6	Top Soil
3rd	4.2	18.8	-22.4	Irrawaddi formation (Clay)
4th	6.3	213.8	-236.2	Irrawaddi formation (Clay - Silt)
5th	11.7			Irrawaddi formation (Silt - Sand)
6th				
7th				



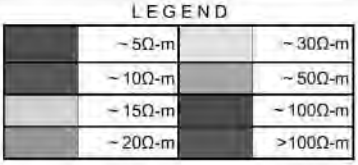
Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	Silt - Sand (Ir)	Estimated SWL(GL-m)	30 m
	Depth (m)	>236m	Remarks:	
	Thickness (m)	>35m		
	Resistivity (Ω-m)	11.7		

Results of Evaluation

Estimated Drilling Depth(m)	270 m	Possibility / Priority	C : Low-Medium Priority 4

Remarks

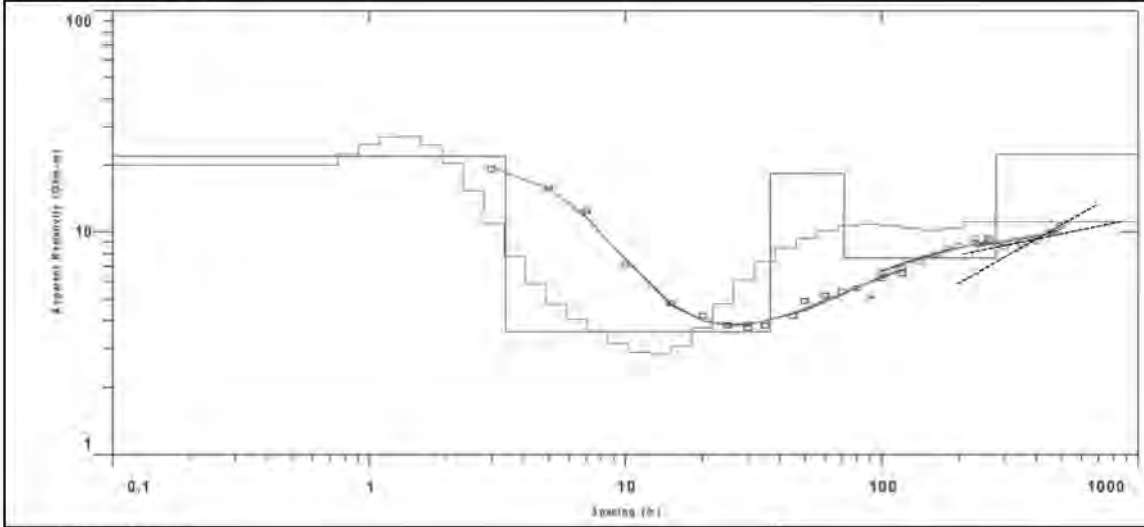


MA2-24 Htanekan Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

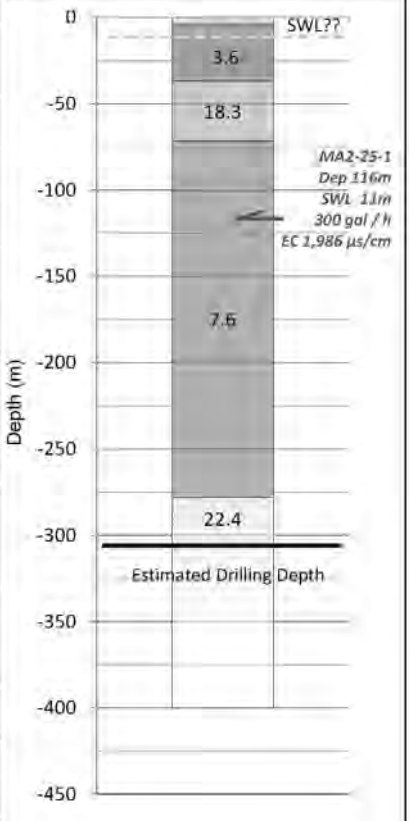
Village ID	MA2-25	Survey Date	29/05/2015
Village	Waryonesu	Coordinate	X : 804,970
Township	Pyawbwe	(WGS 84 UTM Zone 46N)	Y : 2,275,449
Region	Mandalay	Elevation (m)	Z : 226

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	21.9	3.4	-3.4	Top Soil
2nd	3.6	33.4	-36.8	Irrawaddy formation (Clay)
3rd	18.3	34.7	-71.6	Irrawaddy formation (Sand)
4th	7.6	206.3	-277.8	Irrawaddy formation (>Silt: Confined Aquifer?)
5th	22.4			Irrawaddy formation (Sand : Saturated)
6th				
7th				



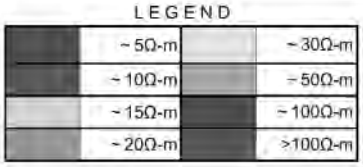
Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	11m (Confined?)
	Depth (m)	>278m	Remarks:	
	Thickness (m)	>25m		
	Resistivity (Ω-m)	22.4		

Results of Evaluation

Estimated Drilling Depth(m)	305 m	Possibility / Priority	A : High Priority 1

Remarks

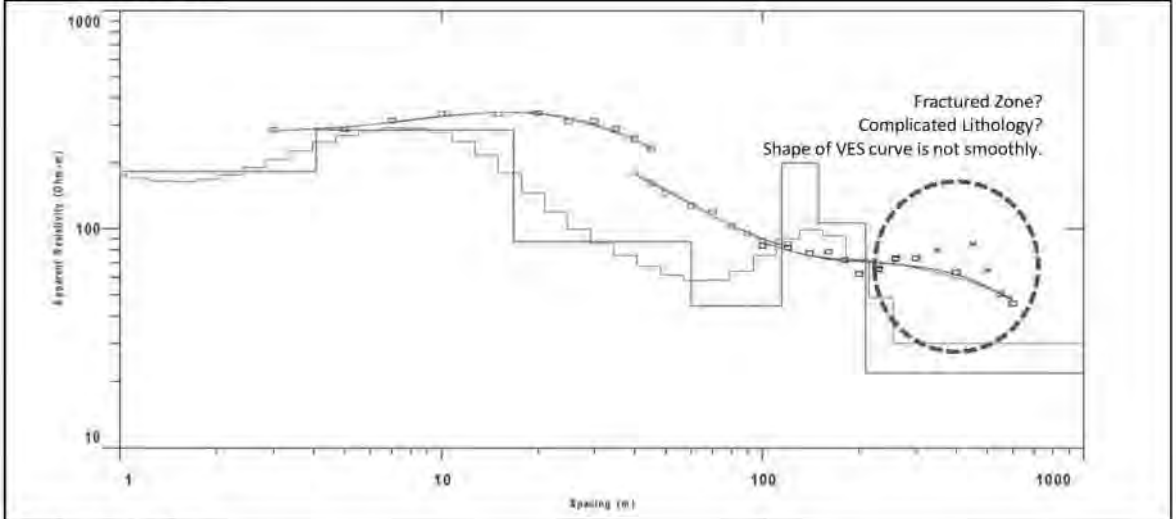


MA2-25 Waryonesu Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

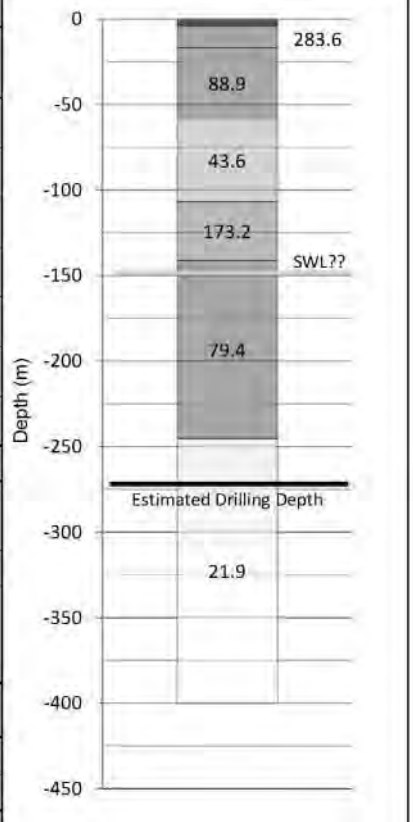
Village ID	MA2-26	Survey Date	26/05/2015
Village	Talkone	Coordinate	X : 721,119
Township	Nyaungoo	(WGS 84 UTM Zone 46N)	Y : 2,347,365
Region	Mandalay	Elevation (m)	Z : 248

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	182.2	4.0	-4.0	Top Soil
2nd	283.6	12.6	-16.6	Irrawaddy formation (Sand with Gravel?)
3rd	88.9	41.5	-58.1	Irrawaddy formation (Sand with Gravel?)
4th	43.6	48.8	-106.9	Irrawaddy formation (Silt with Gravel?)
5th	173.2	34.4	-141.2	Irrawaddy formation (Sand with Gravel?)
6th	79.4	103.8	-245.0	Irrawaddy formation (Sand with Gravel?)
7th	21.9			Irrawaddy formation (Sand : Saturated?)



Estimation Results of Hydrogeological Information

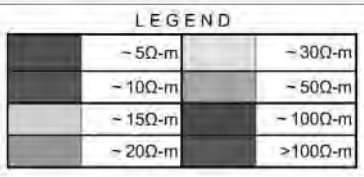
Target Aquifer	Lithology	Sand? (Ir)	Estimated SWL(GL-m)	150 m
	Depth (m)	>245m	Remarks:	
	Thickness (m)	>25m		
	Resistivity (Ω-m)	21.9		

Results of Evaluation

Estimated Drilling Depth(m)	275 m	Possibility / Priority	A : High Priority 2

Remarks

Drilling depth is estimated from VES(MA2-27) which has a similar situation of geological feature.

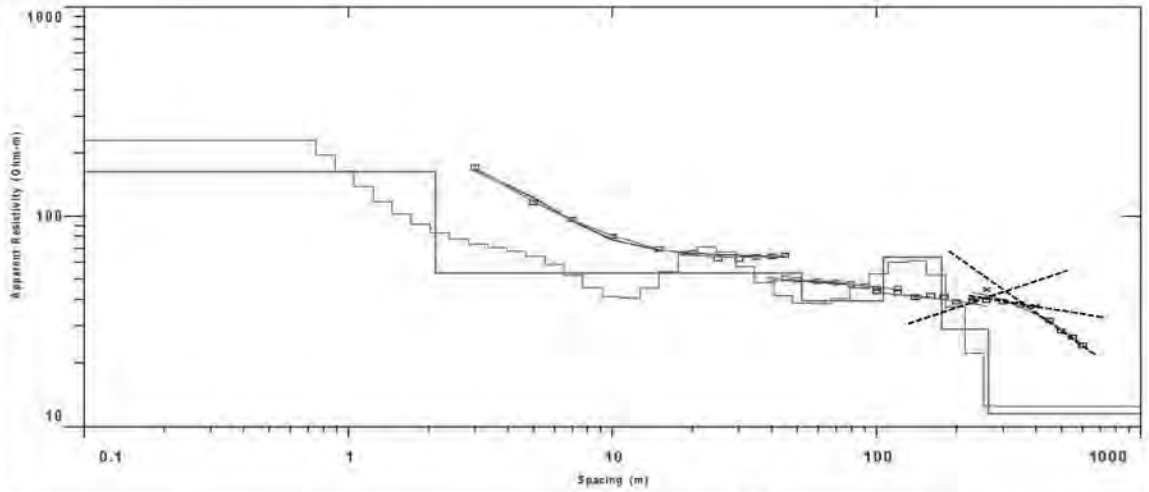


MA2-26 Talkone Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

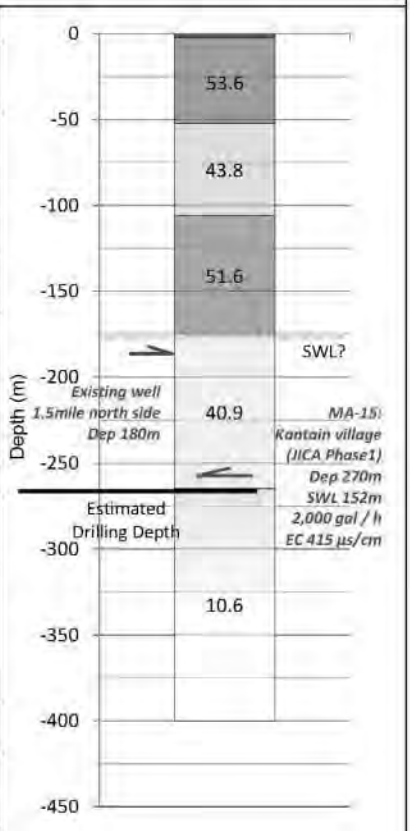
Village ID	MA2-27	Survey Date	26/05/2015
Village	Tawbyar	Coordinate	X : 726,266
Township	Nyaungoo	(WGS 84 UTM Zone 46N)	Y : 2,345,916
Region	Mandalay	Elevation (m)	Z : 304

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	162.5	2.1	-2.1	Top Soil
2nd	53.6	49.9	-52.0	Irrawaddy formation (Sand - Silt : Unsaturated)
3rd	43.8	53.9	-105.9	Irrawaddy formation (Silt : Unsaturated)
4th	51.6	69.7	-175.6	Irrawaddy formation (Sand : Semi saturated)
5th	40.9	89.1	-264.7	Irrawaddy formation (Sand : Saturated)
6th	10.6			Pegu Group? (Mudstone?)
7th				



Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	176 m
	Depth (m)	176 - 265m	Remarks:	
	Thickness (m)	85m	SWL is estimated by geophysical survey.	
	Resistivity (Ω-m)	40.9		

Results of Evaluation

Estimated Drilling Depth(m)	265 m	Possibility / Priority	B : Medium Priority 3

Remarks

Drilling depth is estimated by exisiting tube well.

LEGEND

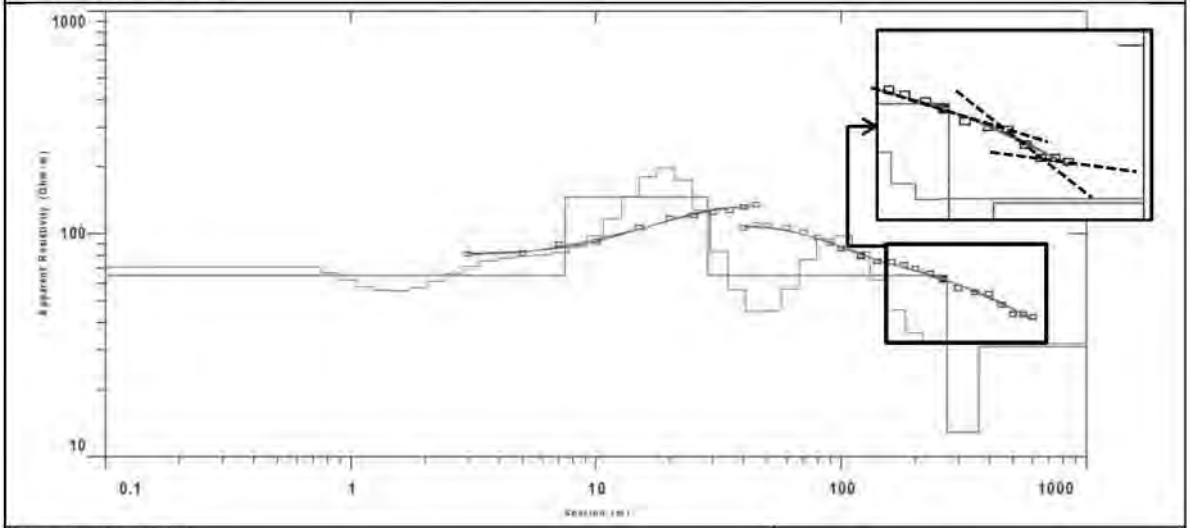
	~ 5Ω-m		~ 30Ω-m
	~ 10Ω-m		~ 50Ω-m
	~ 15Ω-m		~ 100Ω-m
	~ 20Ω-m		>100Ω-m

MA2-27 Tawbyar Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

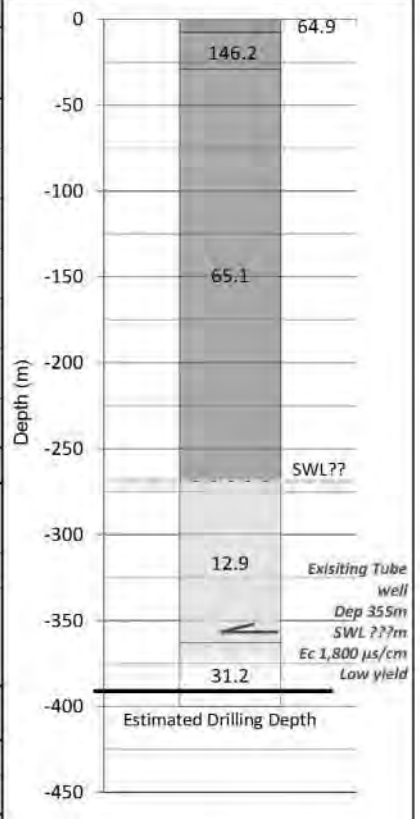
Village ID	MA2-28	Survey Date	25/05/2015
Village	Setsetyo	Coordinate	X : 721,827
Township	Nyaungoo	(WGS 84 UTM Zone 46N)	Y : 2,329,520
Region	Mandalay	Elevation (m)	Z : 442

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	64.9	7.4	-7.4	Top Soil
2nd	146.2	21.2	-28.6	Irrawady formation (Sand with Gravel?)
3rd	65.1	240.4	-269.0	Irrawady formation (Sand:Unsaturated)
4th	12.9	93.8	-362.9	Irrawady formation (Silt : Saturated)
5th	31.2			Irrawady formation (Sand : Saturated)
6th				
7th				



Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	269 m
	Depth (m)	>363m	Remarks:	
	Thickness (m)	>28m		
	Resistivity (Ω-m)	31.2		

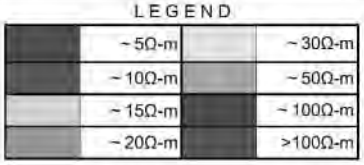
Results of Evaluation

Estimated Drilling Depth(m)	390 m	Possibility / Priority	A : High Priority 1

Remarks

From existing borehole,It is expected that capacity of target aquifers is low.

Therefore,It is recommended that drilling depth is set to deep part as possible.

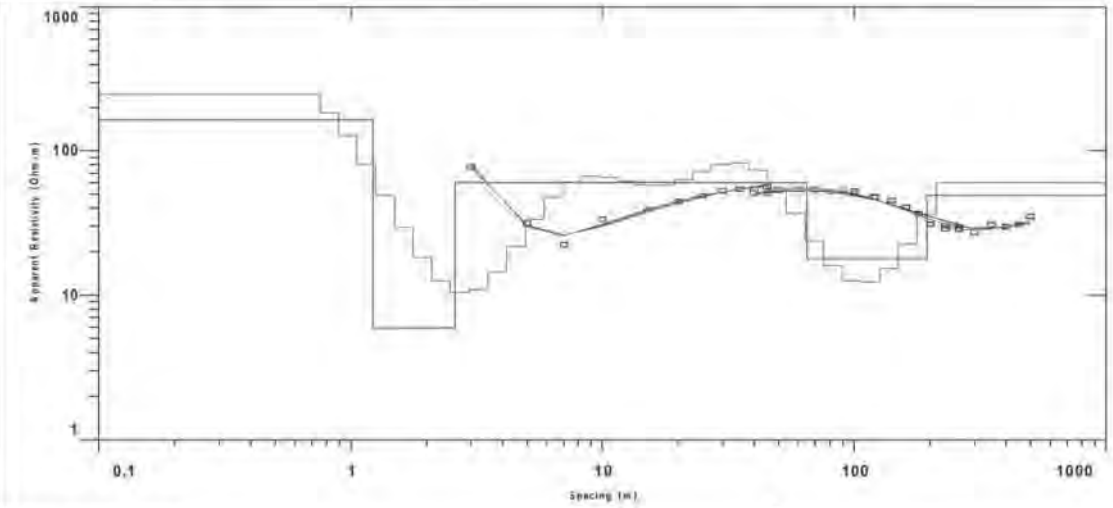


MA2-28 Setsetyo Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

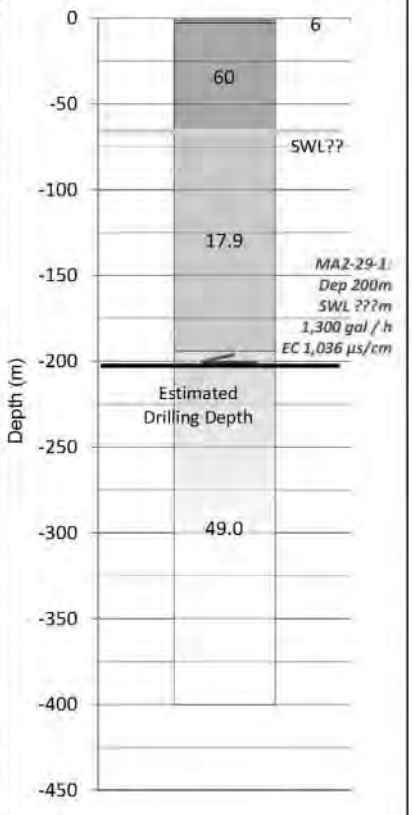
Village ID	MA2-29	Survey Date	24/05/2015
Village	Kanzauk	Coordinate	X : 709,761
Township	Nyaungoo	(WGS 84 UTM Zone 46N)	Y : 2,328,732
Region	Mandalay	Elevation (m)	Z : 351

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	164.9	1.2	-1.2	Top soil
2nd	6.0	1.4	-2.6	Top soil
3rd	60.0	62.3	-64.9	Irrawaddy formation (Sand : Unsaturated)
4th	17.9	128.9	-193.8	Irrawaddy formation (Sand - Silt : Saturated)
5th	49.0			Irrawaddy formation (Sand : Saturated)
6th				
7th				



Estimation Results of Hydrogeological Information

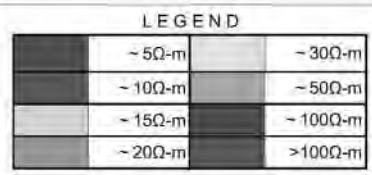
Target Aquifer	Lithology	Sand - Silt (Ir)	Estimated SWL(GL-m)	65 m
	Depth (m)	>65m	Remarks:	
	Thickness (m)	>135m?	SWL is estimated by Jica tube well(MA-18) and geophysical survey results.	
	Resistivity (Ω-m)	17.9-49		

Results of Evaluation

Estimated Drilling Depth(m)	200 m	Possibility / Priority	A : High Priority 2

Remarks

Drilling depth is decided by information of existing tube well.

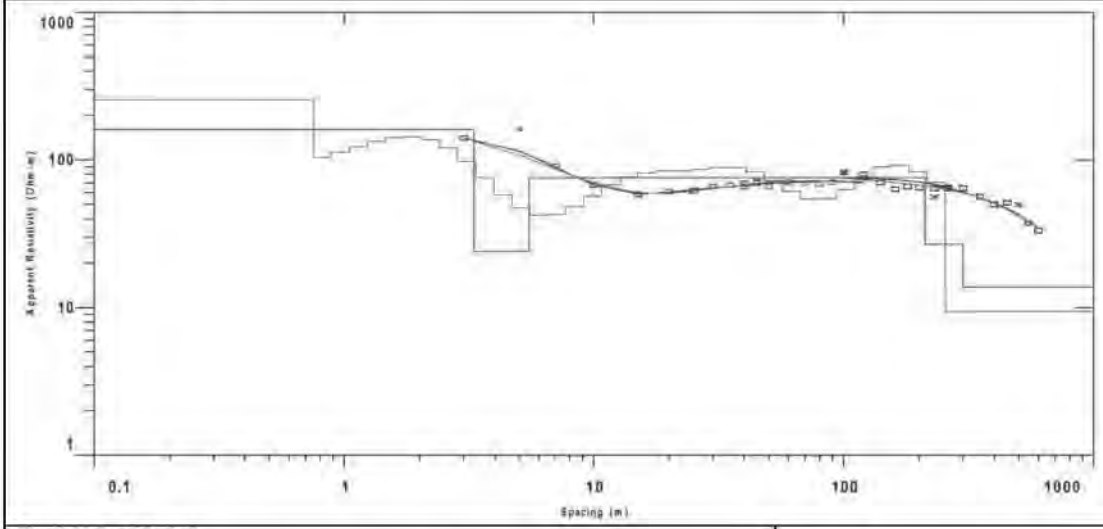


MA2-29 Kanzauk Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

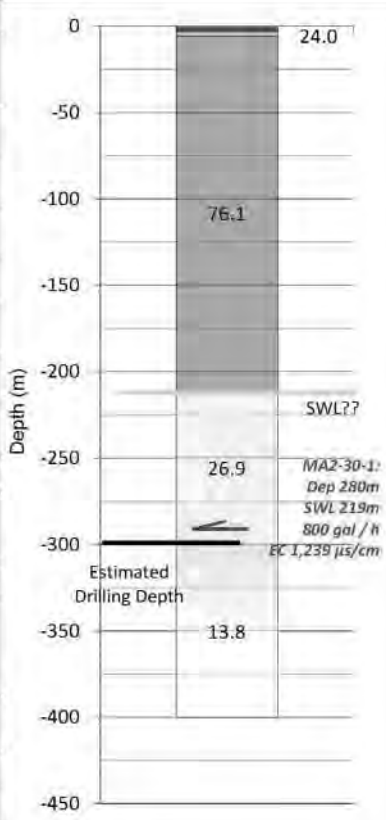
Village ID	MA2-30	Survey Date	25/05/2015
Village	Talbindel	Coordinate (WGS 84 UTM Zone 46N)	X : 719,641
Township	Nyaungoo		Y : 2,332,401
Region	Mandalay	Elevation (m)	Z : 378

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	160.1	3.3	-3.3	Top soil
2nd	24.0	2.2	-5.5	Top soil
3rd	76.1	205.7	-211.1	Irrawaddy formation (Sand : Unsaturated)
4th	26.9	88.8	-300.0	Irrawaddy formation (Sand : Saturated)
5th	13.8			Irrawaddy formation (Silt : Saturated)
6th				
7th				



Estimation Results of Hydrogeological Information

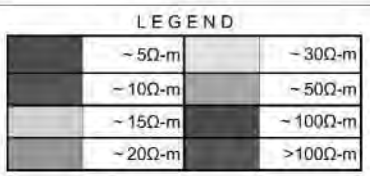
Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	210 m
	Depth (m)	211-300m	Remarks:	
	Thickness (m)	90m		
	Resistivity (Ω-m)	26.9		

Results of Evaluation

Estimated Drilling Depth(m)	300 m	Possibility / Priority	A : High Priority 1

Remarks

Drilling depth is decided by information of existing tube well.

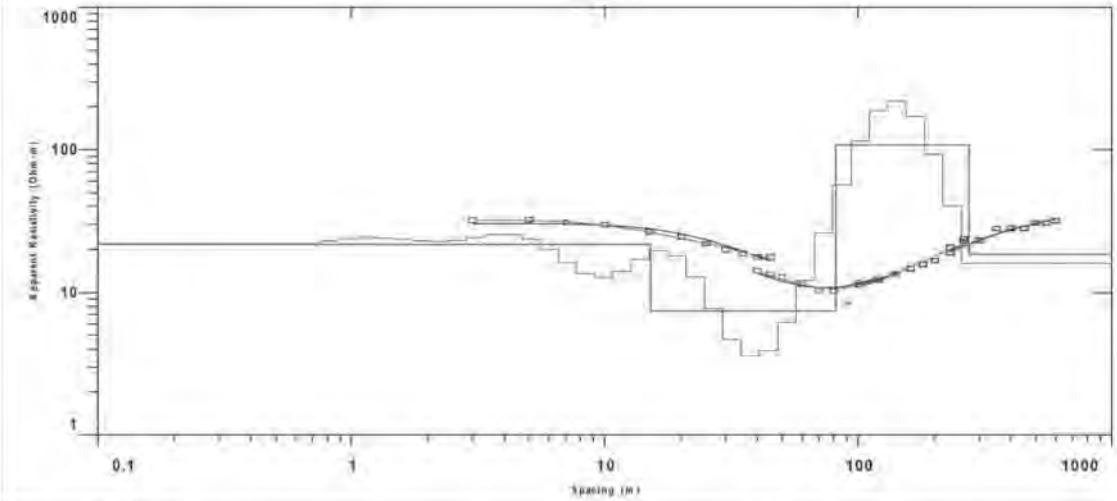


MA2-30 Talbindel Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

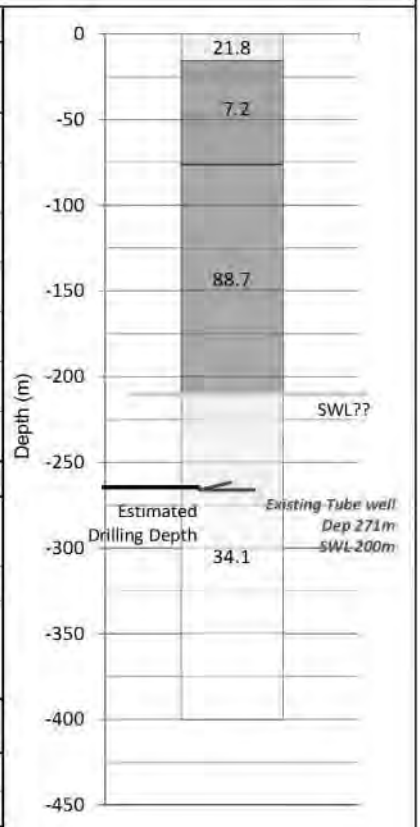
Village ID	MA2-31	Survey Date	26/05/2015
Village	Mongywettaw	Coordinate (WGS 84 UTM Zone 46N)	X : 724,287
Township	Nyaungoo		Y : 2,337,251
Region	Mandalay	Elevation (m)	Z : 286

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	21.8	15.4	-15.4	Top Soil
2nd	7.2	60.8	-76.2	Irrawaddy formation (Clay)
3rd	88.7	133.1	-209.4	Irrawaddy formation (Sand : Unsaturated)
4th	34.1			Irrawaddy formation (Sand : Saturated)
5th				
6th				
7th				



Estimation Results of Hydrogeological Information

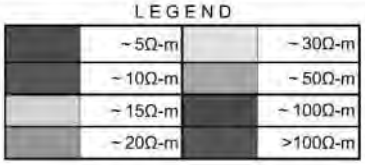
Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	210 m
	Depth (m)	>210m	Remarks:	
	Thickness (m)	>60m		
	Resistivity (Ω-m)	34.1		

Results of Evaluation

Estimated Drilling Depth(m)	270 m	Possibility / Priority	A : High Priority 2

Remarks

Drilling depth is decided by information of existing tube well.

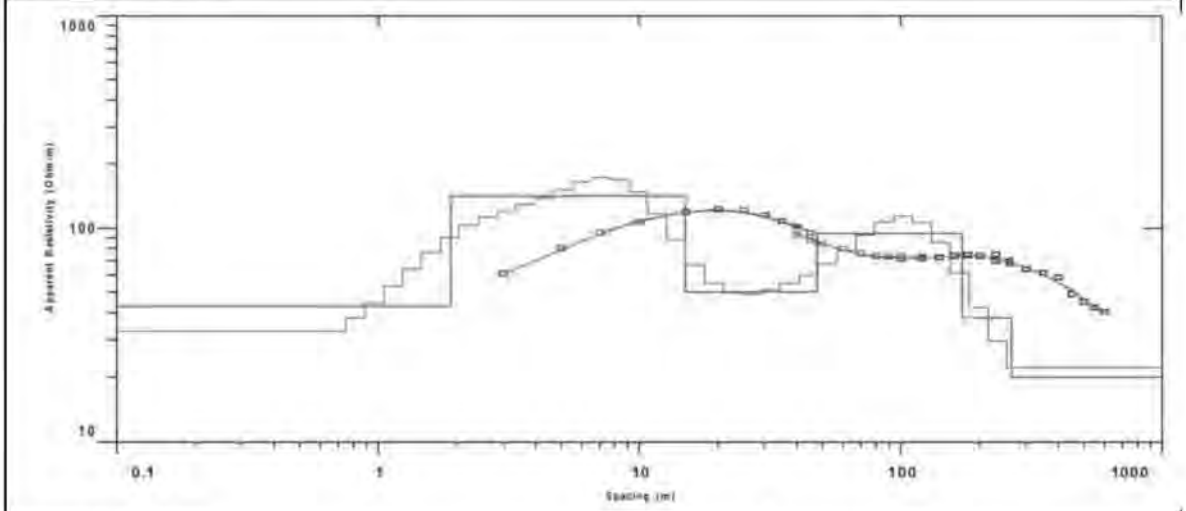


MA2-31 Mongywettaw Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

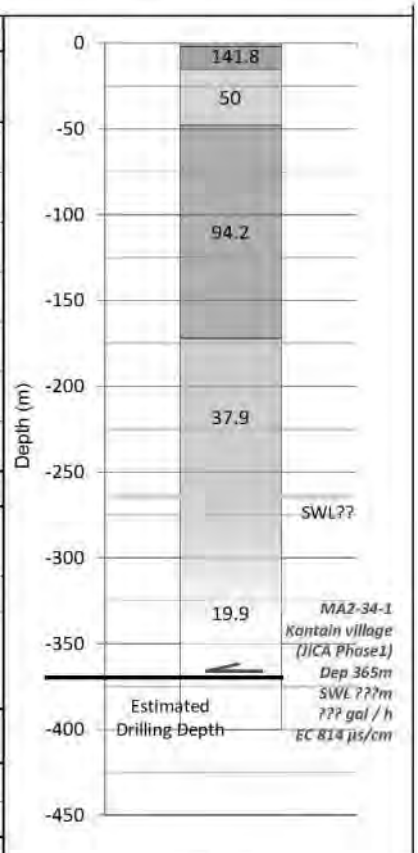
Village ID	MA2-34	Survey Date	27/05/2015
Village	Saingkan(Tetide)	Coordinate	X : 724,351
Township	Nyaungoo	(WGS 84 UTM Zone 46N)	Y : 2,328,820
Region	Mandalay	Elevation (m)	Z : 427

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	42.9	1.9	-1.9	Top Soil
2nd	141.8	13.1	-15.0	Irrawaddy formation (Sand with Gravel)
3rd	50.0	32.7	-47.7	Irrawaddy formation (Sand: Unsaturated)
4th	94.2	124.2	-171.9	Irrawaddy formation (Sand with Gravel)
5th	37.9	91.5	-263.4	Irrawaddy formation (Sand - Silt: Unsaturated)
6th	19.9			Irrawaddy formation (Sand: Saturated)
7th				



Estimation Results of Hydrogeological Information

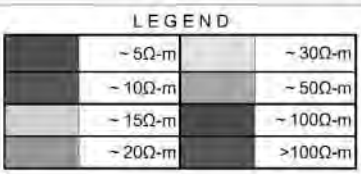
Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	263 m
	Depth (m)	>263m	Remarks:	
	Thickness (m)	>150m?		
	Resistivity (Ω-m)	19.9		

Results of Evaluation

Estimated Drilling Depth(m)	370 m	Possibility / Priority	A : High Priority 1

Remarks

Drilling depth is decided by information of existing tube well.

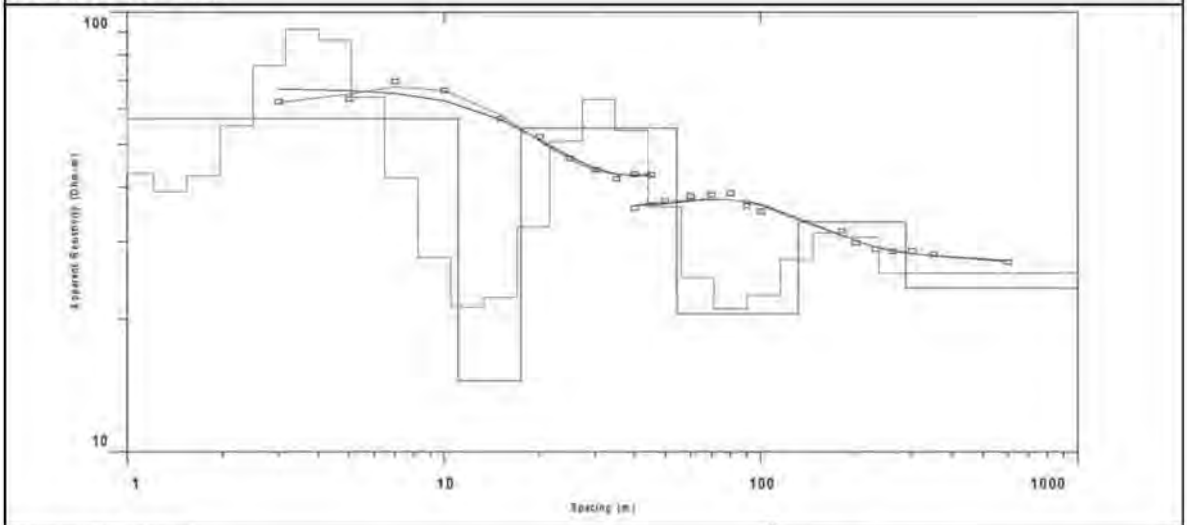


MA2-34 Saingkan(Tetide) Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

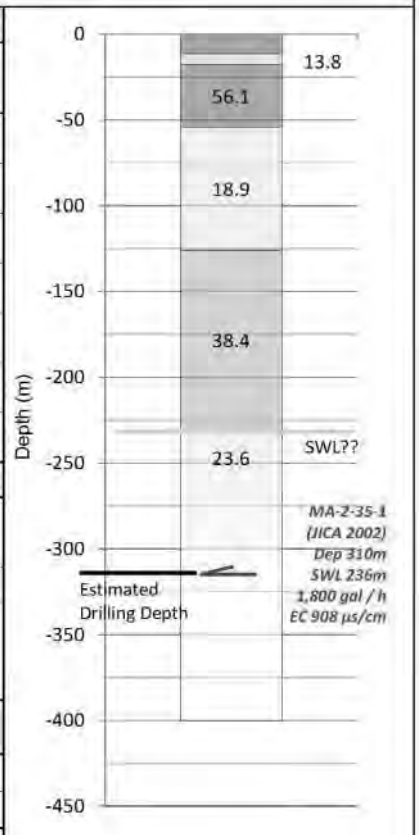
Village ID	MA2-35	Survey Date	24/05/2015
Village	Byugyi	Coordinate	X : 724,225
Township	Nyaungoo	(WGS 84 UTM Zone 46N)	Y : 2,325,313
Region	Mandalay	Elevation (m)	Z : 467

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	57.3	11.2	-11.2	Top soil
2nd	13.8	6.3	-17.5	Irrawaddy formation (Silt : Unsaturated)
3rd	56.1	36.7	-54.1	Irrawaddy formation (Sand : Unsaturated)
4th	18.9	71.6	-125.7	Irrawaddy formation (Silt : Unsaturated)
5th	38.4	105.1	-230.9	Irrawaddy formation (Sand : Semisaturated)
6th	23.6			Irrawaddy formation (Sand : Saturated)
7th				



Estimation Results of Hydrogeological Information

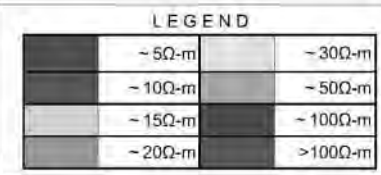
Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	230 m
	Depth (m)	>231m	Remarks:	
	Thickness (m)	>79m		
	Resistivity (Ω-m)	23.6		

Results of Evaluation

Estimated Drilling Depth(m)	310 m	Possibility / Priority	A : High Priority 1

Remarks

Drilling depth is decide by information of existing tube well.

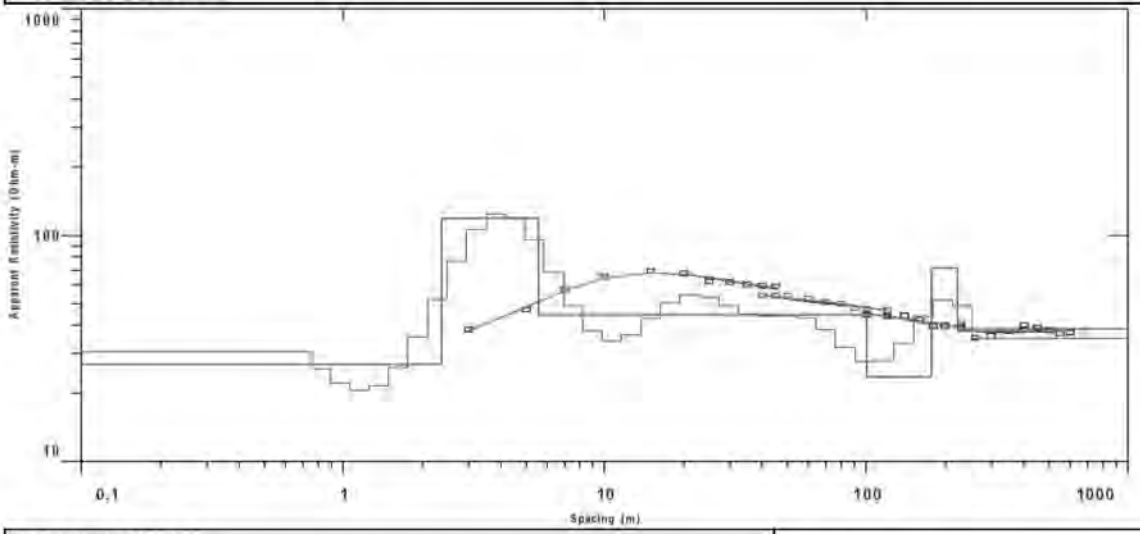


MA2-35 Byugyi Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

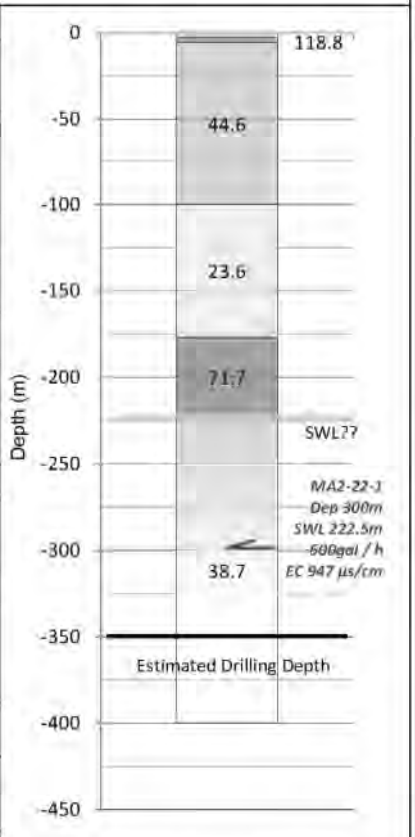
Village ID	MA2-39	Survey Date	27/05/2015
Village	Thayattaw	Coordinate	X : 729,095
Township	Kyaukpadaung	(WGS 84 UTM Zone 46N)	Y : 2,325,329
Region	Mandalay	Elevation (m)	Z : 394

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	26.9	2.4	-2.4	Top Soil
2nd	118.8	3.2	-5.6	Irrawaddy formation (Sand with Gravel)
3rd	44.6	94.5	-100.1	Irrawaddy formation (Silt - Sand: Unsaturated)
4th	23.6	76.8	-176.9	Irrawaddy formation (Silt : Unsaturated)
5th	71.7	46.4	-223.2	Irrawaddy formation (Sand: Unsaturated)
6th	38.7			Irrawaddy formation (Sand Saturated)
7th				



Estimation Results of Hydrogeological Information

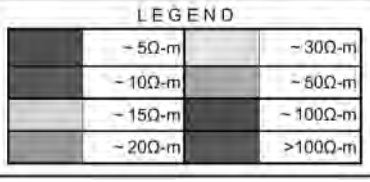
Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	223 m
	Depth (m)	>223m	Remarks:	
	Thickness (m)	>125m		
	Resistivity (Ω-m)	38.7		

Results of Evaluation

Estimated Drilling Depth(m)	350 m	Possibility / Priority	C : Low-Medium Priority 3

Remarks

From existing borehole,It is expected that capacity of target aquifers is low.
Therefore,It is recommended that drilling depth is set to deep part as possible.

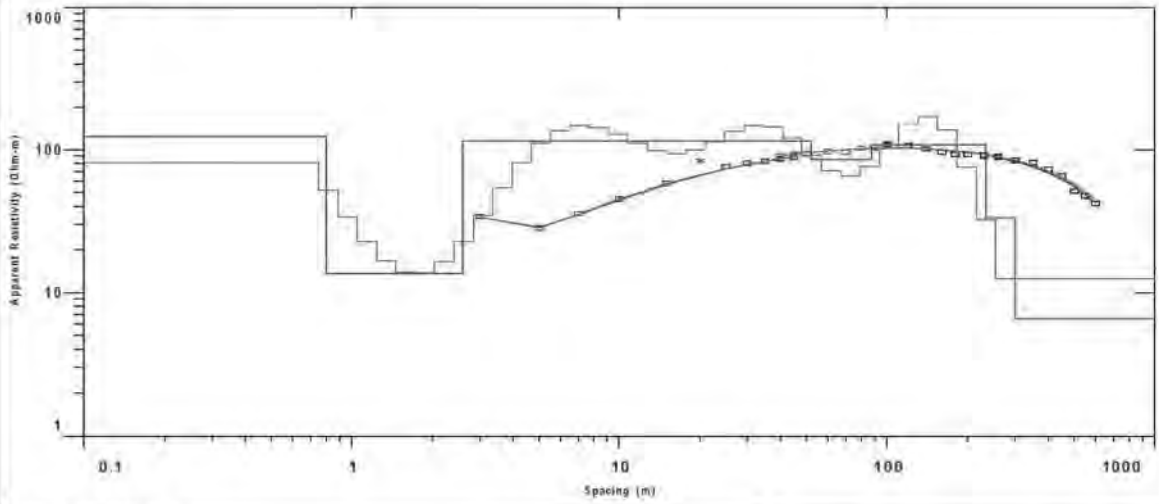


MA2-39 Thayattaw Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

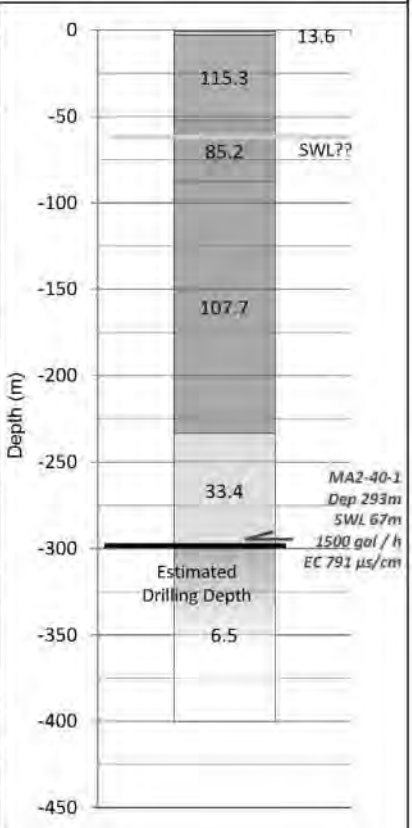
Village ID	MA2-40	Survey Date	27/05/2015
Village	Nakyatkhwal	Coordinate	X : 720,311
Township	Kyaukpadaung	(WGS 84 UTM Zone 46N)	Y : 2,312,065
Region	Mandalay	Elevation (m)	Z : 433

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	122.8	0.8	-0.8	Top Soil
2nd	13.6	1.8	-2.6	Top Soil
3rd	115.3	49.4	-52.0	Irrawaddy formation (Sand with Gravel?)
4th	85.2	35.5	-87.5	Irrawaddy formation (Sand Unsaturated?)
5th	107.7	145.9	-233.4	Irrawaddy formation (Sand with Gravel?)
6th	33.4	66.3	-299.7	Irrawaddy formation (Sand: confined aquifer?)
7th	6.5			Irrawaddy formation (Clay: confined aquifer?)



Estimation Results of Hydrogeological Information

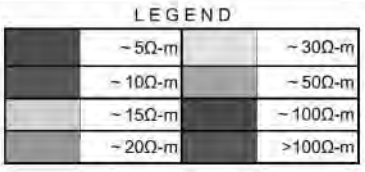
Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	67m (Confined?)
	Depth (m)	233-300	Remarks:	
	Thickness (m)	>65m		
	Resistivity (Ω-m)	33.4		

Results of Evaluation

Estimated Drilling Depth(m)	295 m	Possibility / Priority	A : High Priority 2

Remarks

Drilling depth is estimated by information of existing tube well.



MA2-40 Nakyatkhwal Village

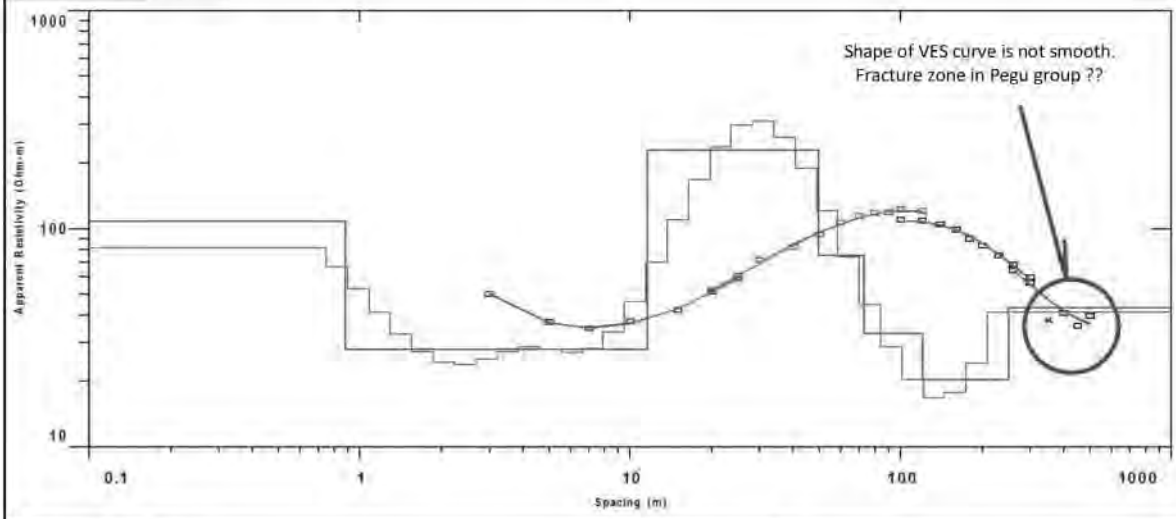
垂直電気探査（マグウェー地域）

MG2-01 Natkan Village
MG2-02 Thanbo(Ywarthit) Village
MG2-03 MG2-01 Natkan Village
MG2-02 Thanbo(Ywarthit) Village
MG2-03 Nyaungbinthar Village
MG2-04 Konegyi Village
MG2-05 Sainggya Village
MG2-06 Thapyaysan(N) Village
MG2-07 Shwekyaw Village
MG2-08 Leikkan Village
MG2-09 Ywarthitgyi Village
MG2-10 Kanyaygyi Village
MG2-11 Myaysoon(Ywarthit) Village
MG2-13 Yenpyay Village
MG2-14 Kyatesu(N) Village
MG2-15 Winkabar Village
MG2-16 Kyatkan Village
MG2-17 Sudat Village
MG2-18 Myaynilain Village
MG2-20 Laytinesin(S) Village
MG2-21 Tharmyar Village
MG2-22 Aungmyinthar Village
MG2-23 Ngwelay Village
MG2-24 Indaw(N) Village
MG2-26 Manawtgone Village
MG2-27 Kangyigone Village
MG2-32 Ywartharlay Village
MG2-34 Nyaunggone Village
MG2-35 Kyugyaung Village
MG2-36 Kokkohla Village
MG2-38 Htaukkyantgwin Village
MG2-39 Hlebwegyi Village
MG2-40 Yayhtwetgyi Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

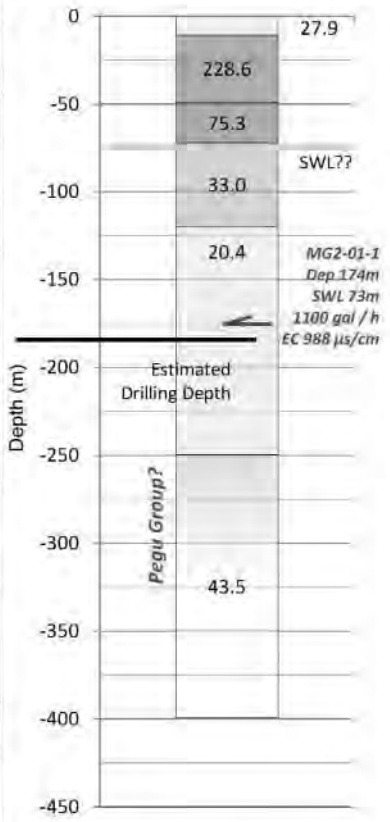
Village ID	MG2-01	Survey Date	25/05/2015
Village	Natkan	Coordinate	X : 706,551
Township	Magway	(WGS 84 UTM Zone 46N)	Y : 2,233,834
Region	Magway	Elevation (m)	Z : 167

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	108.0	0.9	-0.9	Top soil
2nd	27.9	10.7	-11.6	Irrawady formation (Silt : Unsaturated)
3rd	228.6	38.2	-49.8	Irrawady formation (Sand with Gravel)
4th	75.3	23.0	-72.8	Irrawady formation (Sand : Unsaturated)
5th	33.0	48.1	-120.8	Irrawady formation (Sand : Saturated)
6th	20.4	129.6	-250.5	Irrawady formation (Sand : Saturated)
7th	43.5			Pegu Group? (Sandstone?)



Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	75 m
	Depth (m)	121 - 251m	Remarks:	
	Thickness	>60m		
	Resistivity (Ω-m)	20.4		

Results of Evaluation

Estimated Drilling Depth(m)	180 m	Possibility / Priority	A : High Priority 3

Remarks

Drilling depth is estimated by information of exisiting tube well.

LEGEND

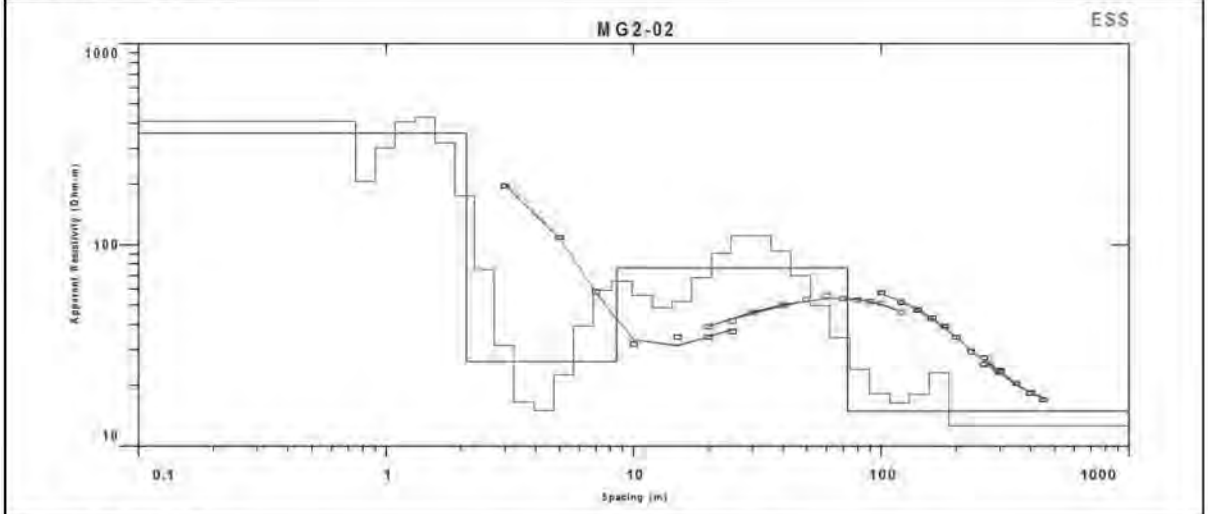
	~ 5Ω-m		~ 30Ω-m
	~ 10Ω-m		~ 50Ω-m
	~ 15Ω-m		~ 100Ω-m
	~ 20Ω-m		>100Ω-m

MG2-01 Natkan Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

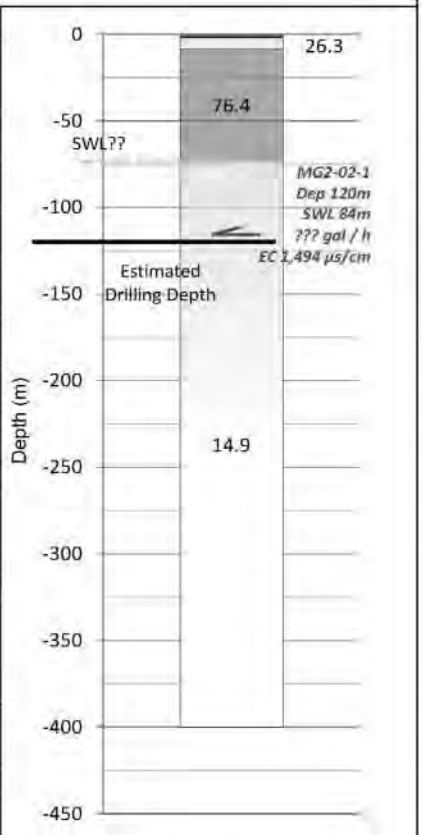
Village ID	MG2-02	Survey Date	26/05/2015
Village	Thanbo(Ywarthit)	Coordinate (WGS 84 UTM Zone 46N)	X : 716,284
Township	Magway		Y : 2,216,242
Region	Magway	Elevation (m)	Z : 156

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	356.7	2.1	-2.1	Top Soil
2nd	26.3	6.4	-8.5	Irrawaddy formation (Silt : Unsaturated)
3rd	76.4	64.6	-73.1	Irrawaddy formation (Sand : Unsaturated)
4th	14.9			Irrawaddy formation (Sand - Silt : Saturated)
5th				
6th				
7th				



Estimation Results of Hydrogeological Information

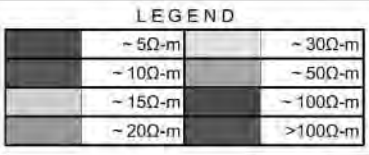
Target Aquifer	Lithology	Sand/ Silty Sand (Ir)	Estimated SWL(GL-m)	73 m
	Depth (m)	>75m	Remarks:	
	Thickness (m)	>50m		
	Resistivity (Ω-m)	14.9		

Results of Evaluation

Estimated Drilling Depth(m)	120 m	Possibility / Priority	C : Low-Medium
			Priority 5

Remarks

Drilling depth is estimated by information of existing tube well.

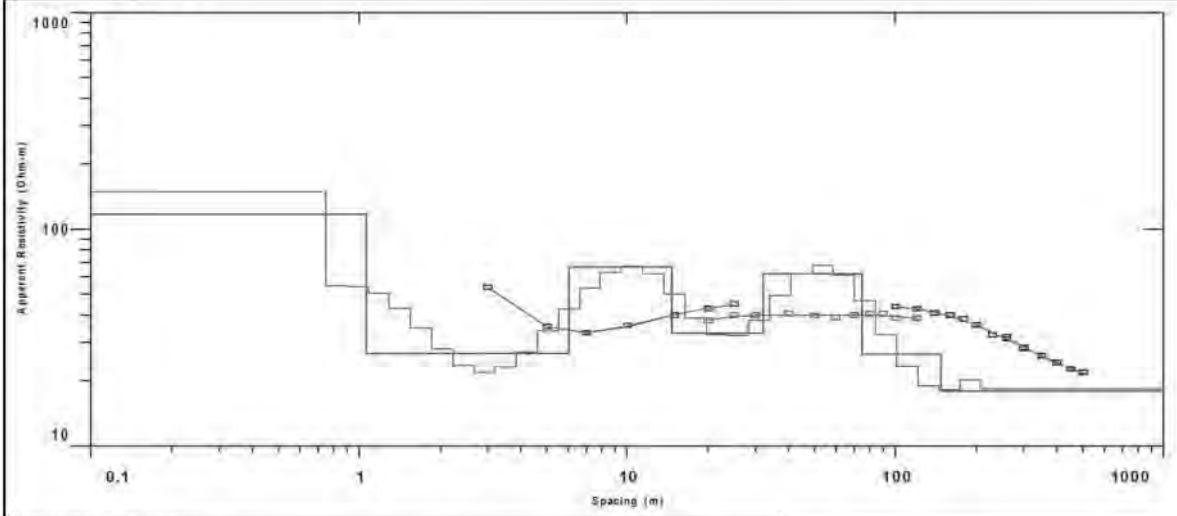


MG2-02 Thanbo(Ywarthit) Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

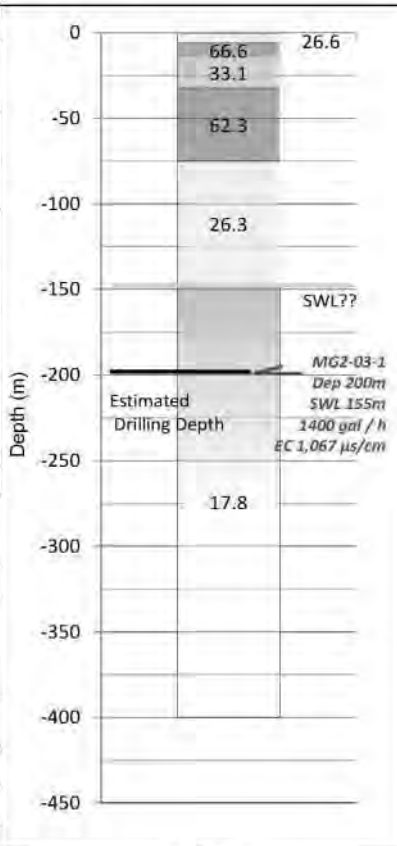
Village ID	MG2-03	Survey Date	28/05/2015
Village	Nyaungbinthar	Coordinate	X : 737,918
Township	Magway	(WGS 84 UTM Zone 46N)	Y : 2,244,076
Region	Magway	Elevation (m)	Z : 267

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	117.3	1.1	-1.1	Top Soil
2nd	26.6	5.0	-6.0	Irrawady formation (Silt : Unsaturated)
3rd	66.6	8.6	-14.6	Irrawady formation (Sand : Unsaturated)
4th	33.1	17.6	-32.2	Irrawady formation (Silt : Unsaturated)
5th	62.3	43.0	-75.2	Irrawady formation (Sand : Unsaturated)
6th	26.3	72.8	-148.0	Irrawady formation (Silt : Unsaturated)
7th	17.8			Irrawady formation (Sand : Saturated)



Estimation Results of Hydrogeological Information

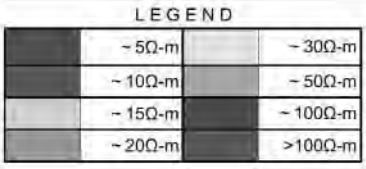
Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	150 m
	Depth (m)	>148	Remarks:	
	Thickness (m)	>50m		
	Resistivity (Ω-m)	17.8		

Results of Evaluation

Estimated Drilling Depth(m)	200 m	Possibility / Priority	A : High Priority 2

Remarks

Drilling depth is estimated by information of existing tube well.

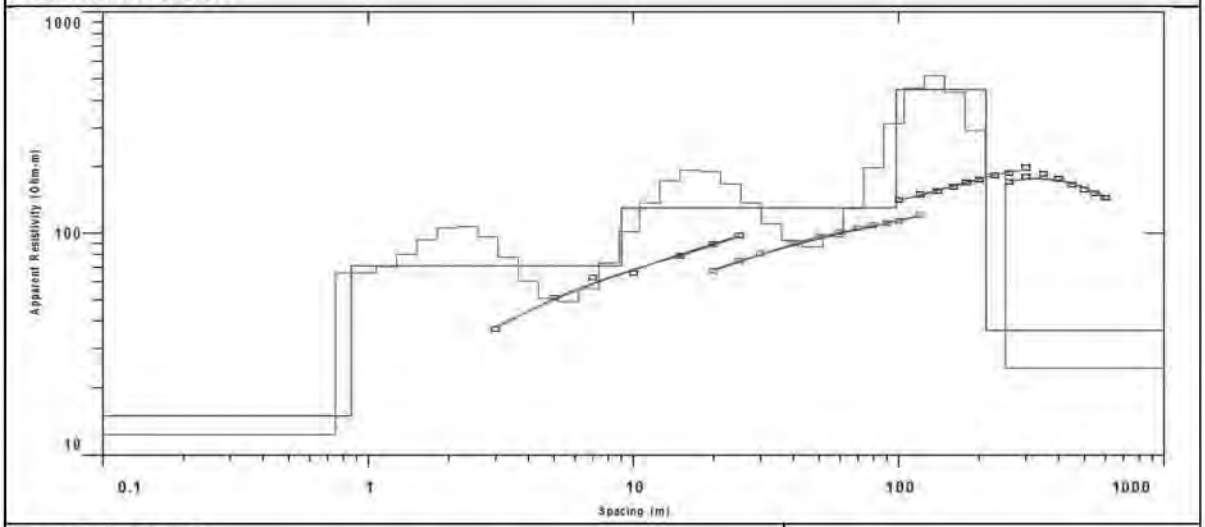


MG2-03 Nyaungbinthar Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

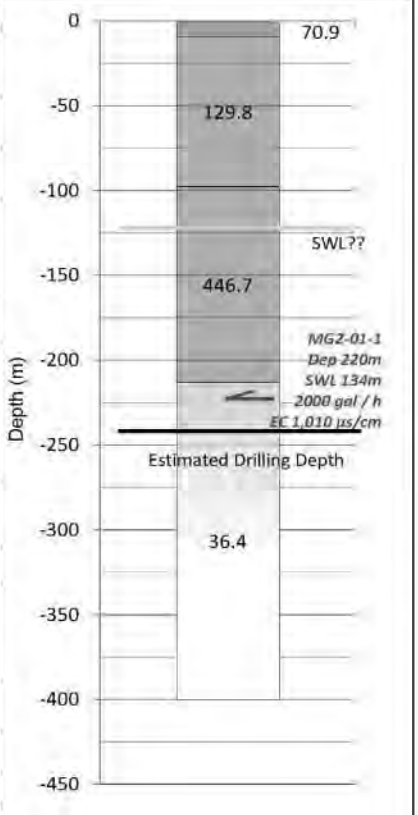
Village ID	MG2-04	Survey Date	28/05/2015
Village	Konegyi	Coordinate	X : 718,820
Township	Magway	(WGS 84 UTM Zone 46N)	Y : 2,237,250
Region	Magway	Elevation (m)	Z : 263

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	15.0	0.9	-0.9	Top Soil
2nd	70.9	8.2	-9.0	Irrawaddy formation (Sand : Unsaturated)
3rd	129.8	88.7	-97.7	Irrawaddy formation (Sand with gravel : Unsaturated)
4th	446.7	115.3	-213.0	
5th	36.4			Irrawaddy formation (Sand - silt : Saturated)
6th				
7th				



Estimation Results of Hydrogeological Information

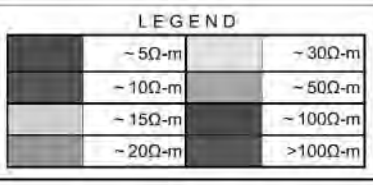
Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	134m (Confined aquifer?)
	Depth (m)	>213m	Remarks:	
	Thickness (m)	>25m		
	Resistivity (Ω-m)	36.4		

Results of Evaluation

Estimated Drilling Depth(m)	240 m	Possibility / Priority	A : High Priority 2

Remarks

Drilling depth is estimated by information of existing tube well and resistivity value.

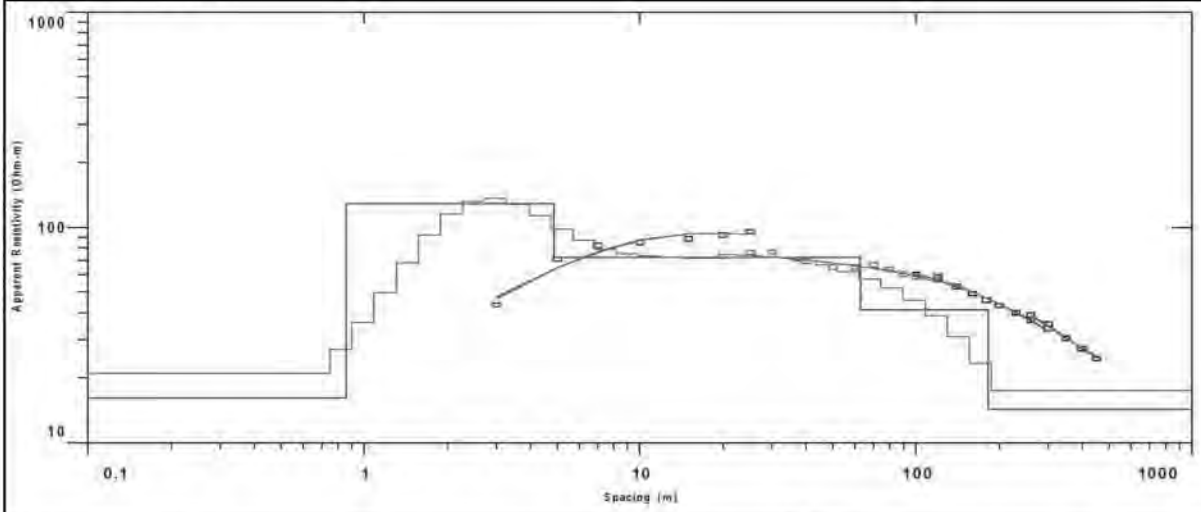


MG2-04 Konegyi Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

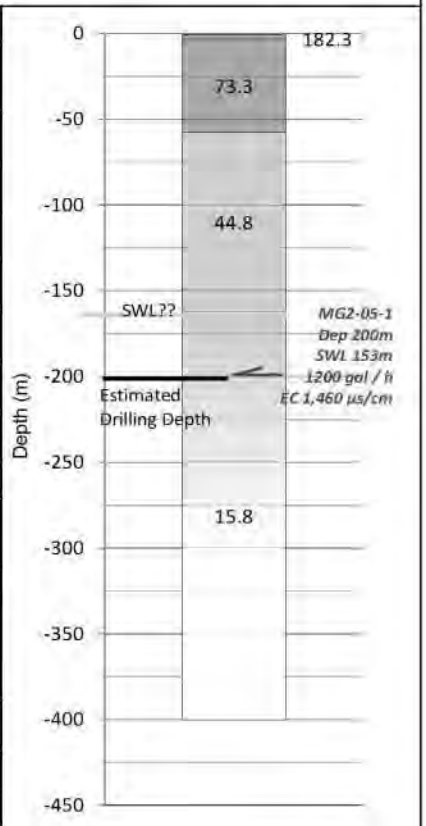
Village ID	MG2-05	Survey Date	27/05/2015
Village	Sainggya	Coordinate	X : 725,337
Township	Magway	(WGS 84 UTM Zone 46N)	Y : 2,213,980
Region	Magway	Elevation (m)	Z : 232

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	13.5	0.8	-0.8	Top Soil
2nd	182.3	2.3	-3.1	Irrawaddy formation (Sand with Gravel)
3rd	73.3	54.4	-57.4	Irrawaddy formation (Sand : Unsaturated)
4th	44.8	105.0	-162.4	Irrawaddy formation (Sand : Semi saturated)
5th	15.8			Irrawaddy formation (Sand : Saturated))
6th				
7th				



Estimation Results of Hydrogeological Information

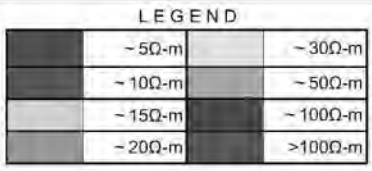
Target Aquifer	Lithology	Sand - Silty Sand(Ir)	Estimated SWL(GL-m)	162 m
	Depth (m)	>162m	Remarks:	
	Thickness (m)	>35m		
	Resistivity (Ω-m)	15.8		

Results of Evaluation

Estimated Drilling Depth(m)	200m	Possibility / Priority	B : Medium Priority 3

Remarks

Drilling depth is estimated by information of existing tube well and geophysical survey results.

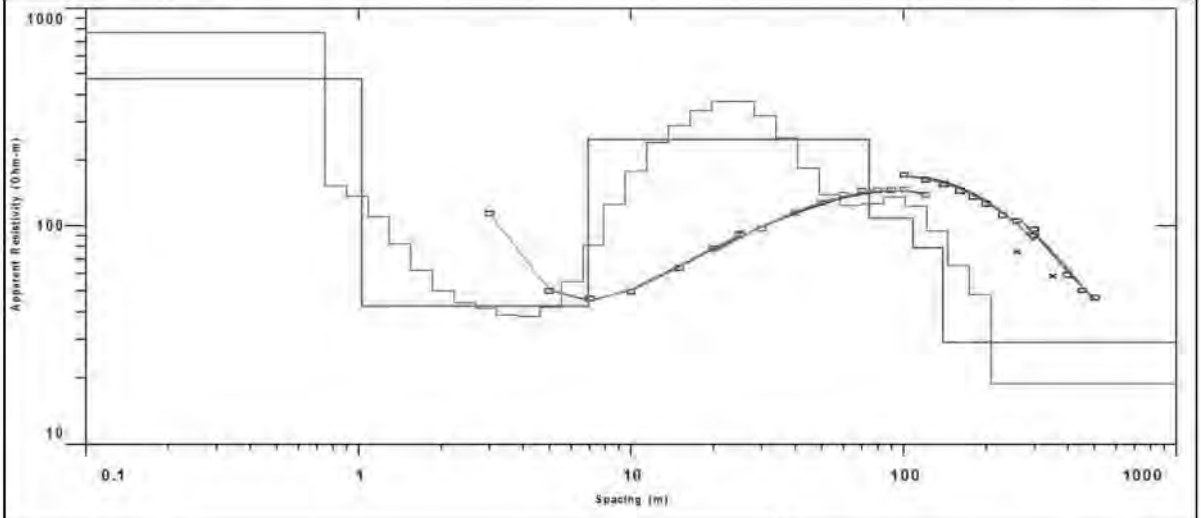


MG2-05 Sainggya Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

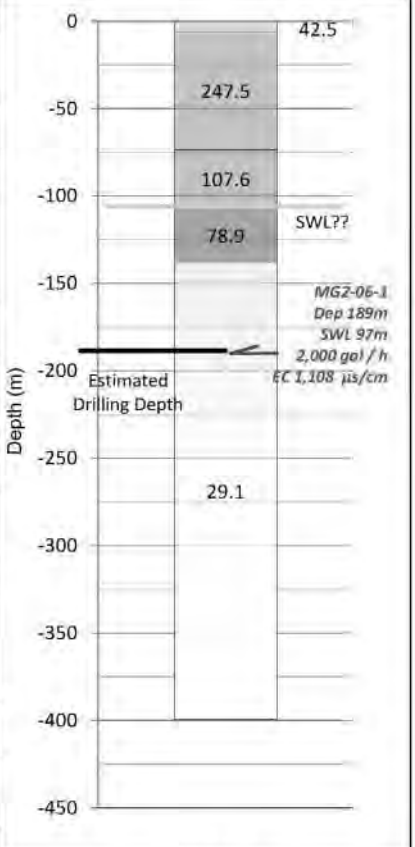
Village ID	MG2-06	Survey Date	26/05/2015
Village	Thapyaysan(N)	Coordinate	X : 712,481
Township	Magway	(WGS 84 UTM Zone 46N)	Y : 2,227,459
Region	Magway	Elevation (m)	Z : 174

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	475.3	1.0	-0.97602	Top Soil
2nd	42.5	5.9	-6.9	Irrawaddy formation (Silty sand : Unsaturated)
3rd	247.5	67.5	-74.4	Irrawaddy formation (Sand with Gravel : Unsaturated)
4th	107.6	33.7	-108.1	
5th	78.9	30.9	-139.0	Irrawaddy formation (Sand : Semi Saturated)
6th	29.1			Irrawaddy formation (Sand : Saturated)
7th				



Estimation Results of Hydrogeological Information

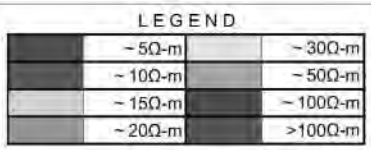
Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	108m (Confined?)
	Depth (m)	>140m	Remarks:	
	Thickness (m)	>50m		
	Resistivity (Ω-m)	21.9		

Results of Evaluation

Estimated Drilling Depth(m)	190 m	Possibility / Priority	A : High Priority 2

Remarks

Drilling depth is decided by information of existing tube well.

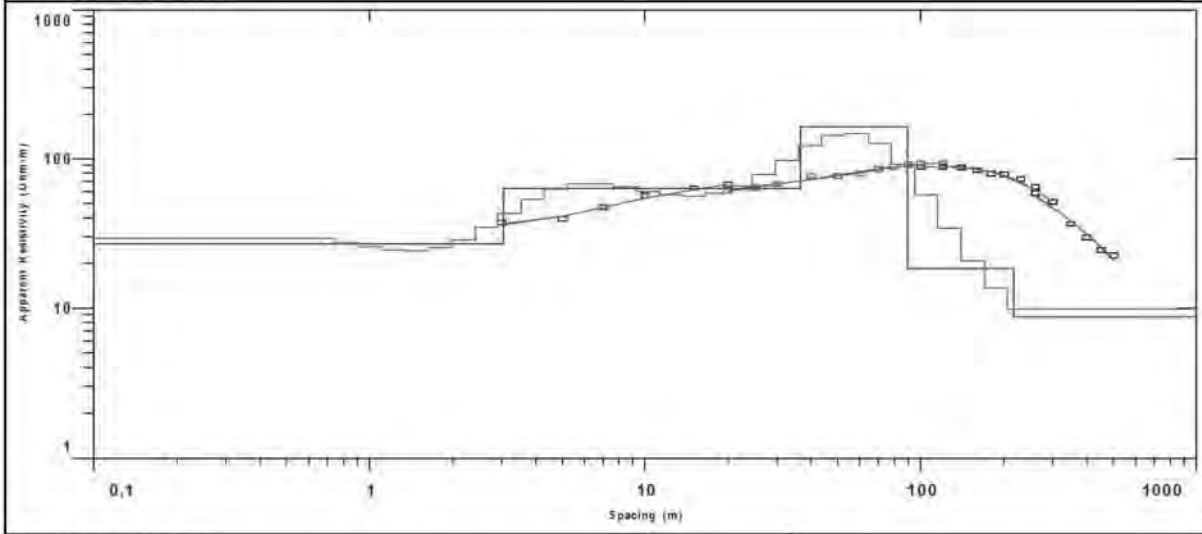


MG2-06 Thapyaysan(N) Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

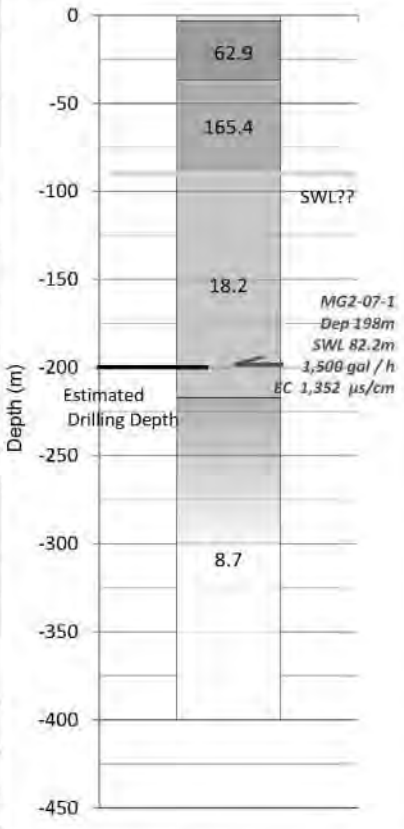
Village ID	MG2-07	Survey Date	27/05/2015
Village	Shwekyaw	Coordinate	X : 733,733
Township	Magway	(WGS 84 UTM Zone 46N)	Y : 2,207,455
Region	Magway	Elevation (m)	Z : 235

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	26.9	3.1	-3.1	Top Soil
2nd	62.9	33.5	-36.6	Irrawaddy formation (Sand : Unsaturated)
3rd	165.4	52.8	-89.4	Irrawaddy formation (Sand with gravel)
4th	18.2	127.5	-216.9	Irrawaddy formation (Sand : Saturated)
5th	8.7			Irrawaddy formation (Clay)
6th				
7th				



Estimation Results of Hydrogeological Information

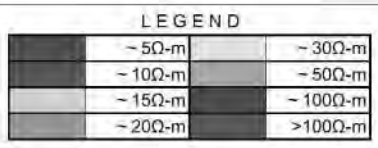
Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	89 m
	Depth (m)	89 - 217m	Remarks:	
	Thickness (m)	>85m		
	Resisitivty (Ω-m)	18.2		

Results of Evaluation

Estimated Drilling Depth(m)	200 m	Possibility / Priority	A : High Priority 2

Remarks

Drilling depth is estimated by information of exisiting tube well.

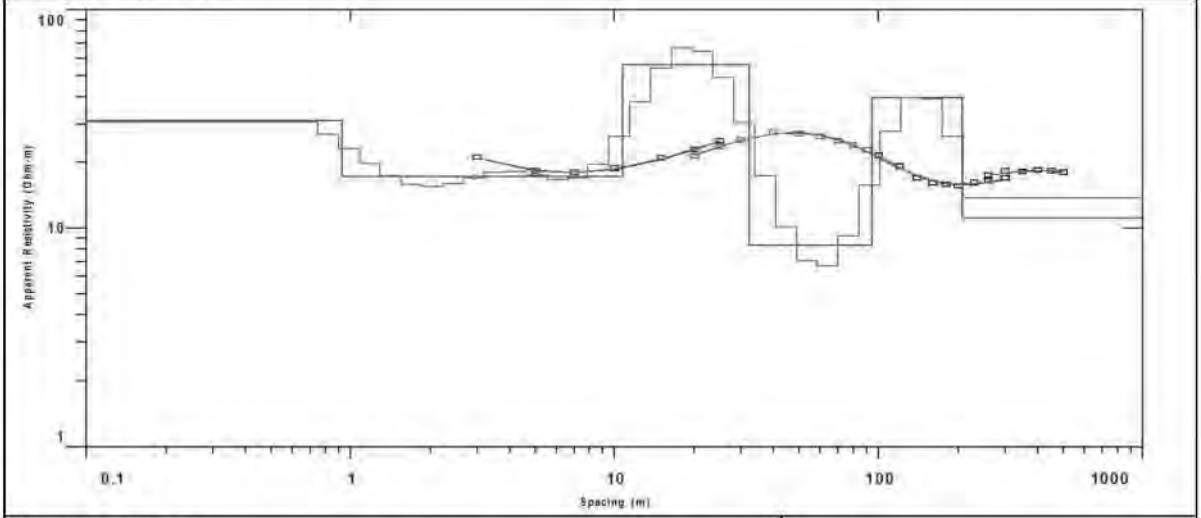


MG2-07 Shwekyaw Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

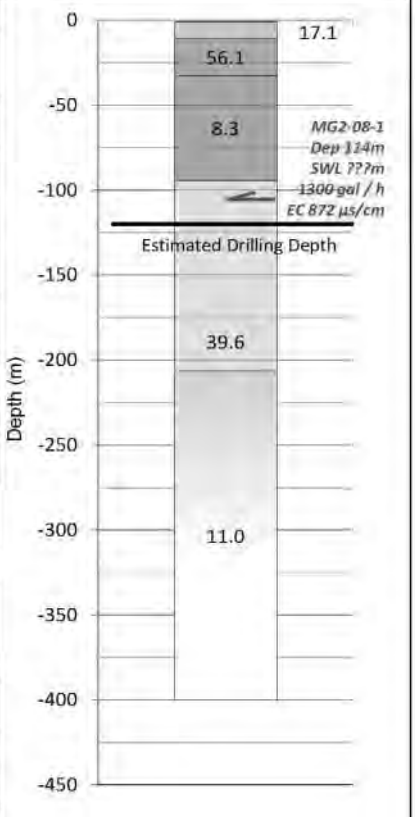
Village ID	MG2-08	Survey Date	29/05/2015
Village	Leikkan	Coordinate	X : 727,137
Township	Magway	(WGS 84 UTM Zone 46N)	Y : 2,239,525
Region	Magway	Elevation (m)	Z : 168

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	31.1	0.9	-0.9	Top Soil
2nd	17.1	9.8	-10.7	Irrawaddy formation (Silt : Unsaturated)
3rd	56.1	21.6	-32.4	Irrawaddy formation (Sand : Unsaturated)
4th	8.3	61.9	-94.3	Irrawaddy formation (Clay : Unsaturated)
5th	39.6	112.2	-206.5	Irrawaddy formation (Sand : Saturated)
6th	11.0			Irrawaddy formation (Silt - Sand : Saturated)
7th				



Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	100m ?
	Depth (m)	95-206m	Remarks:	
	Thickness (m)	>25m		
	Resistivity (Ω-m)	39.6		

Results of Evaluation

Estimated Drilling Depth(m)	120 m	Possibility / Priority	A : High Priority 3

Remarks

LEGEND

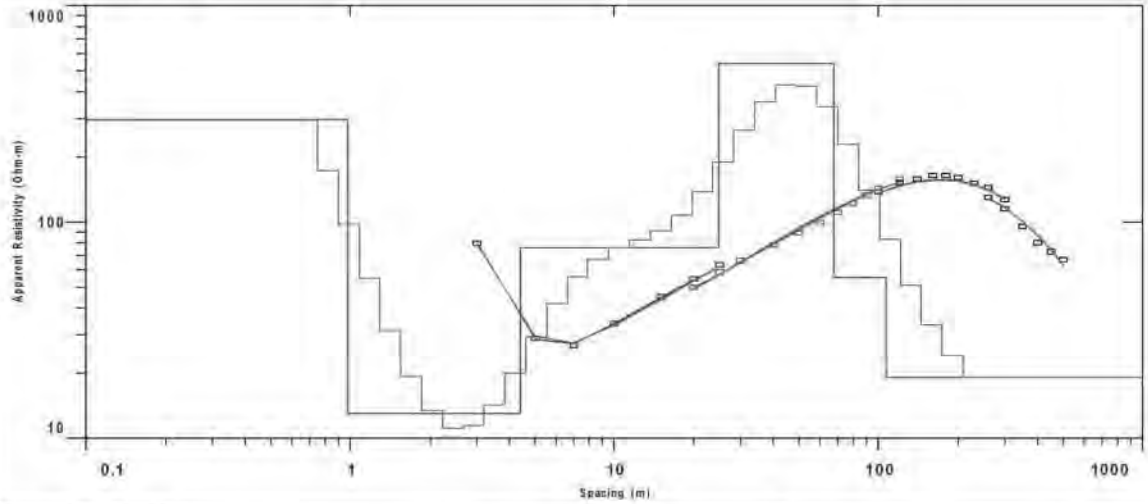
	~ 5Ω-m		~ 30Ω-m
	~ 10Ω-m		~ 50Ω-m
	~ 15Ω-m		~ 100Ω-m
	~ 20Ω-m		>100Ω-m

MG2-08 Leikkan Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

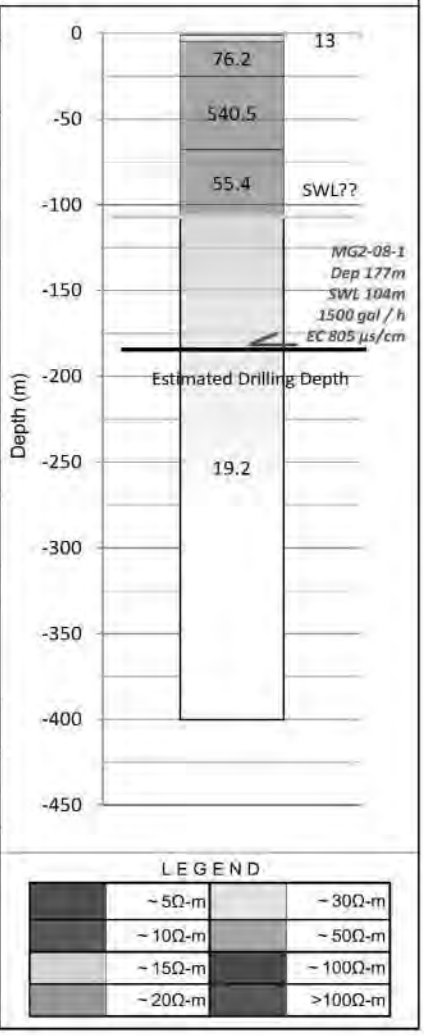
Village ID	MG2-09	Survey Date	29/05/2015
Village	Ywarthitgyi	Coordinate	X : 722,040
Township	Magway	(WGS 84 UTM Zone 46N)	Y : 2,238,165
Region	Magway	Elevation (m)	Z : 211

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	296.0	1.0	-1.0	Top Soil
2nd	13.0	3.4	-4.4	Irrawaddy formation (Sand: Unsaturated)
3rd	76.2	20.4	-24.8	Irrawaddy formation (Sand: Unsaturated)
4th	540.5	43.0	-67.8	Irrawaddy formation (Sand with gravel:?)
5th	55.4	38.8	-106.6	Irrawaddy formation (Sand: Unsaturated)
6th	19.2			Irrawaddy formation (Sand: Saturated)
7th				



Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	Silty Sand (Ir)	Estimated SWL(GL-m)	105 m
	Depth (m)	>107m	Remarks:	
	Thickness (m)	>70m		
	Resistivity (Ω-m)	19.2		

Results of Evaluation

Estimated Drilling Depth(m)	180 m	Possibility / Priority	A : High Priority 3

Remarks

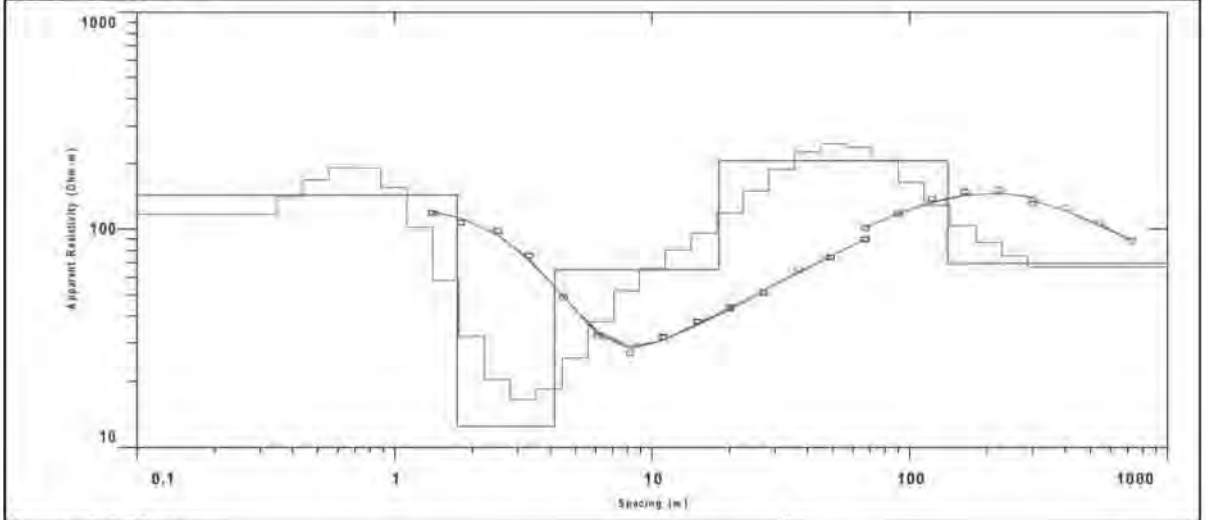
Drilling depth is estimated by information of existing tube well.

MG2-09 Ywarthitgyi Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

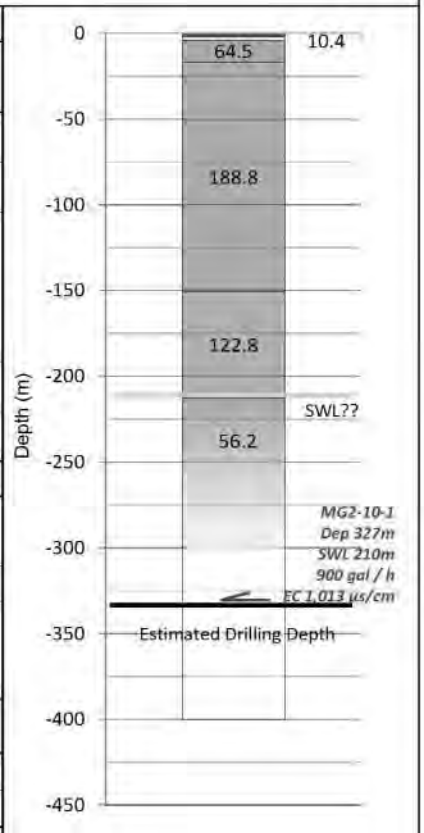
Village ID	MG2-10	Survey Date	19/06/2015
Village	Kanyaygyi	Coordinate	X : 702,719
Township	Chauk	(WGS 84 UTM Zone 46N)	Y : 2,281,976
Region	Magway	Elevation (m)	Z : 319

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	143.3	1.8	-1.8	Top Soil
2nd	10.4	2.0	-3.7	Irrawaddy formation (Clay : Unsaturated)
3rd	64.5	12.9	-16.6	Irrawaddy formation (Silt ~ Sand with Gravel?) (Unsaturated)
4th	188.8	133.7	-150.3	
5th	122.8	61.9	-212.2	
6th	56.2			Irrawaddy formation (Sand? : Saturated)
7th				



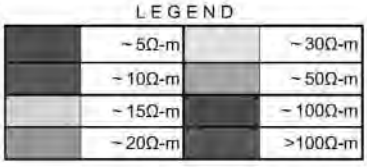
Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	212 m
	Depth (m)	>212m	Remarks:	
	Thickness (m)	>100m		
	Resistivity (Ω-m)	56.2		

Results of Evaluation

Estimated Drilling Depth(m)	330 m	Possibility / Priority	C : Low-Medium Priority 3

Remarks
Drilling depth is estimated by information of exisiting tube well.

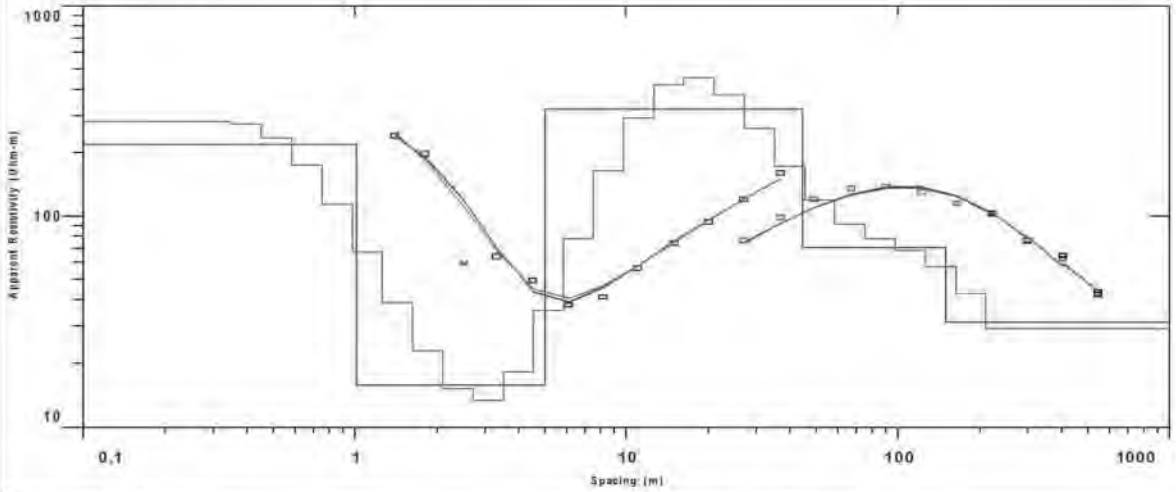


MG2-10 Kanyaygyi Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

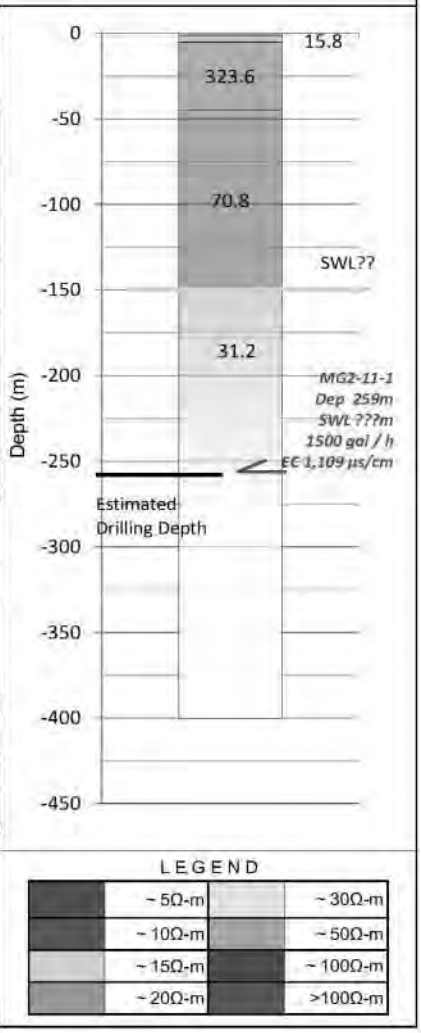
Village ID	MG2-11	Survey Date	19/06/2015
Village	Myaysoon(Ywarthit)	Coordinate	X : 698,121
Township	Chauk	(WGS 84 UTM Zone 46N)	Y : 2,277,376
Region	Magway	Elevation (m)	Z : 231

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	218.3	1.0	-1.0	Top Soil
2nd	15.8	4.0	-5.0	Irrawaddy formation (Clay : Unsaturated)
3rd	323.6	39.5	-44.5	Irrawaddy formation (Sand with Gravel)
4th	70.8	105.4	-149.9	Irrawaddy formation (Sand : Unsaturated)
5th	31.2			Irrawaddy formation (Sand : Saturated)
6th				
7th				



Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	150 m
	Depth (m)	>150m	Remarks:	
	Thickness (m)	>110m		
	Resistivity (Ω-m)	31.2		

Results of Evaluation

Estimated Drilling Depth(m)	260 m	Possibility / Priority	A : High Priority 2

Remarks

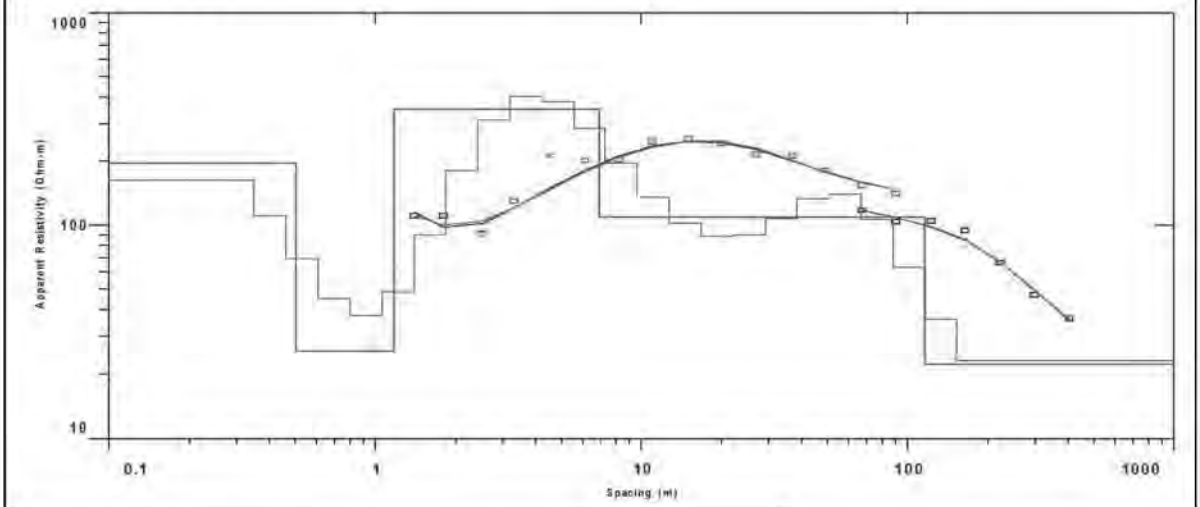
Drilling depth is estimated by information of exisiting tube well.

MG2-11 Myaysoon(Ywarthit) Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

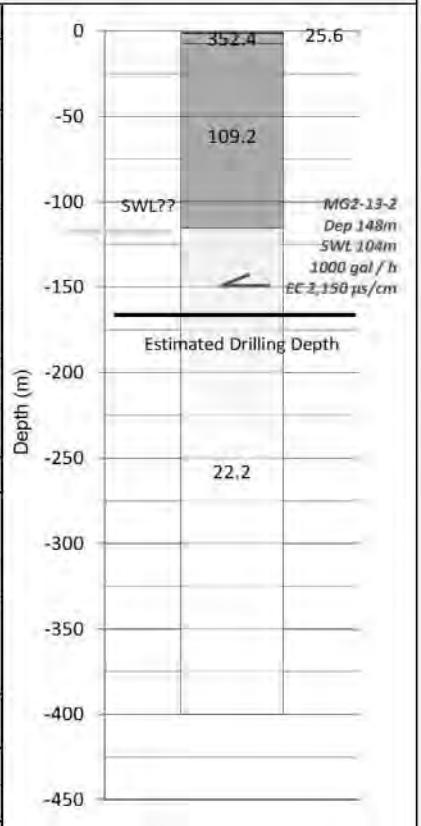
Village ID	MG2-13	Survey Date	19/06/2015
Village	Yenpyay	Coordinate	X : 691,263
Township	Chauk	(WGS 84 UTM Zone 46N)	Y : 2,301,508
Region	Magway	Elevation (m)	Z : 1,364

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	195.3	0.5	-0.5	Top Soil
2nd	25.6	0.7	-1.2	Alluvium deposit (Silt?: Unsaturated)
3rd	352.4	5.7	-6.9	Alluvium deposit (Gravel?)
4th	109.2	108.5	-115.4	Alluvium/ Irrawaddy? (Sand with Gravel?)
5th	22.2			Irrawaddy formation (Sand: Saturated)
6th				
7th				



Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	115 m
	Depth (m)	>115m	Remarks:	
	Thickness (m)	>55m		
	Resistivity (Ω-m)	22.2		

Results of Evaluation

Estimated Drilling Depth(m)	170m	Possibility / Priority	A : High Priority 3

Remarks
Drilling depth is estimated by information of existing tube well.
Besides, VES point is located 20 m higher than existing tube well.
So, the recommended depth is set to plus 20 m.
(148m + 20m = 160m)

LEGEND

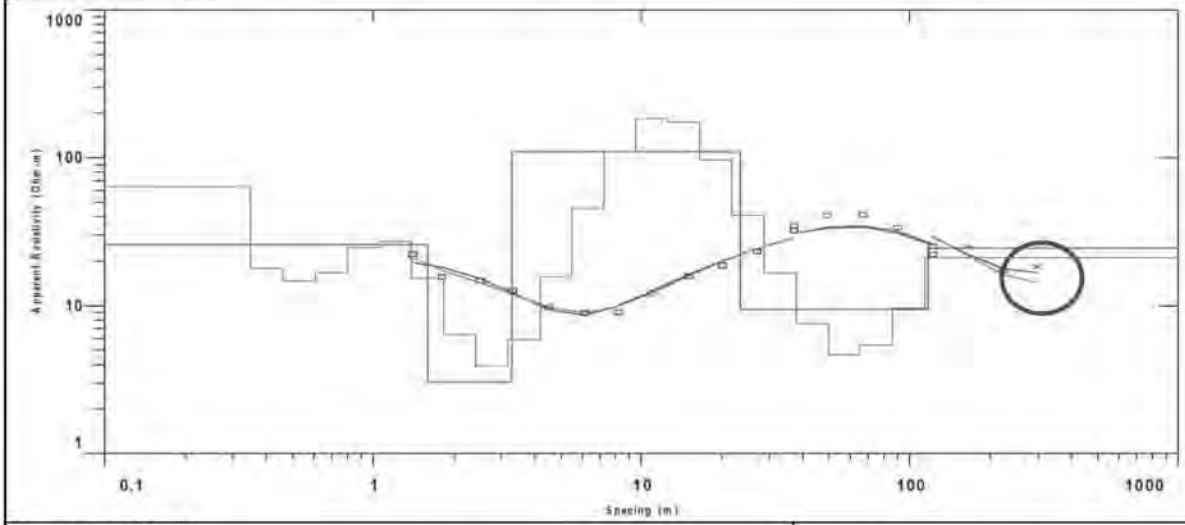
	~ 5Ω-m		~ 30Ω-m
	~ 10Ω-m		~ 50Ω-m
	~ 15Ω-m		~ 100Ω-m
	~ 20Ω-m		>100Ω-m

MG2-13 Yenpyay Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

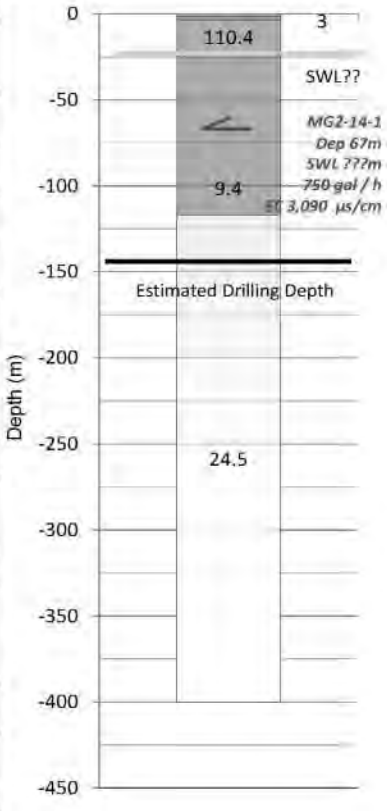
Village ID	MG2-14	Survey Date	18/06/2015
Village	Kyatesu(N)	Coordinate (WGS 84 UTM Zone 46N)	X : 685,564
Township	Chauk		Y : 2,292,820
Region	Magway	Elevation (m)	Z : 95

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	25.9	1.6	-1.6	Top soil/ Alluvimu deposit
2nd	3.0	1.7	-3.3	Alluvimu deposit (Clay)
3rd	110.4	20.0	-23.3	Alluvimu deposit (Gravel?)
4th	9.4	93.5	-116.8	Irrawady formation (Clay : Saturated)
5th	24.5			Irrawady formation (Sand : Saturated)
6th				
7th				



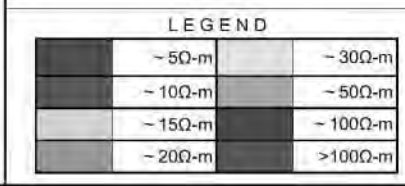
Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	23m ?
	Depth (m)	>117m	Remarks:	
	Thickness (m)	>23m		
	Resistivity (Ω-m)	24.5		

Results of Evaluation

Estimated Drilling Depth(m)	145 m	Possibility / Priority	A : High
			Priority 3

Remarks

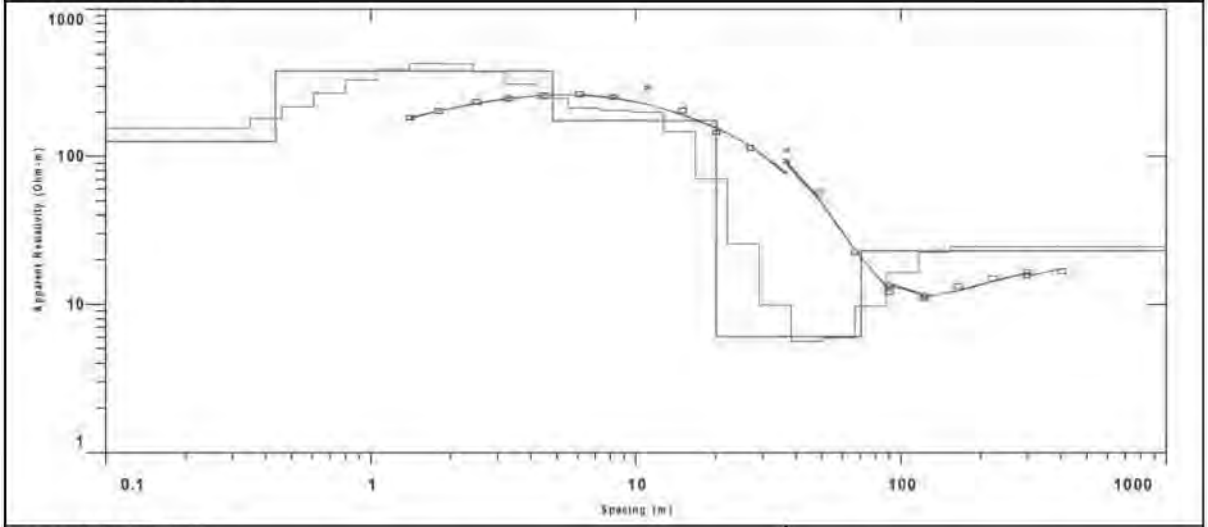


MG2-14 Kyatesu(N) Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

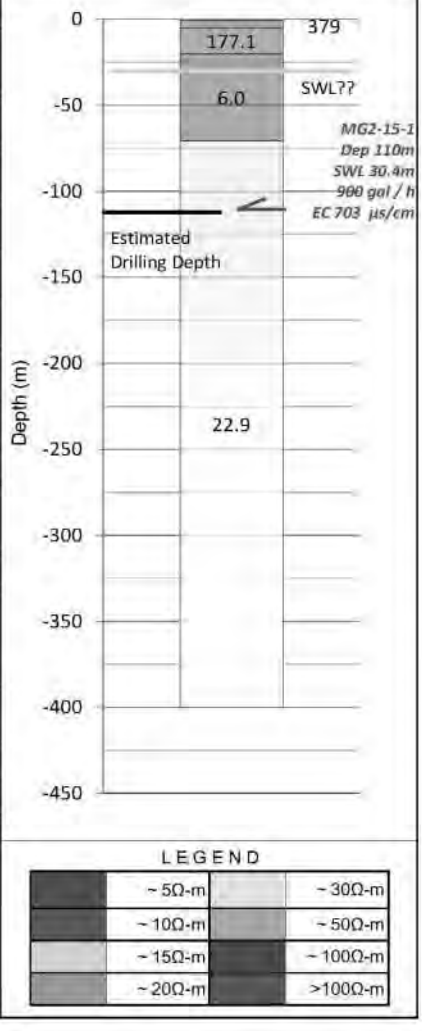
Village ID	MG2-15	Survey Date	18/06/2015
Village	Winkabar	Coordinate	X : 684,439
Township	Chauk	(WGS 84 UTM Zone 46N)	Y : 2,287,271
Region	Magway	Elevation (m)	Z : 64

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	125.8	0.4	-0.4	Top Soil
2nd	379.0	4.4	-4.8	Alluvium deposit (Gravel / sand)
3rd	177.1	15.2	-20.1	Alluvium deposit (Gravel / sand)
4th	6.0	50.5	-70.6	Irrawaddy formation (Clay : Saturated)
5th	22.9			Irrawaddy formation (Sand : Saturated)
6th				
7th				



Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	30m (Confined?)
	Depth (m)	>70m	Remarks:	
	Thickness (m)	>30m		
	Resistivity (Ω-m)	22.9		

Results of Evaluation

Estimated Drilling Depth(m)	110 m	Possibility / Priority	A : High Priority 3

Remarks

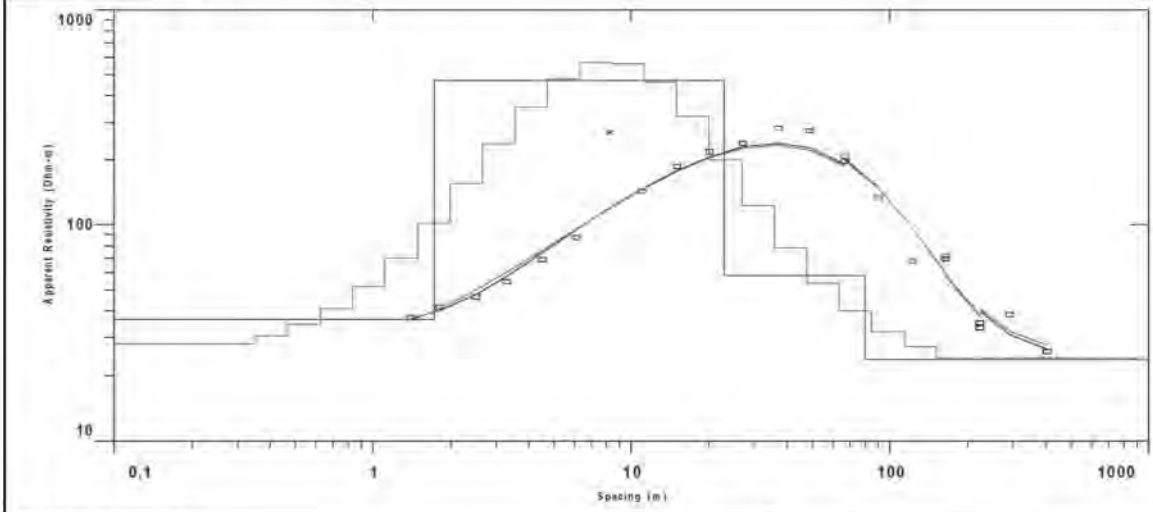
Drilling depth is estimated by information of existing tube well.

MG2-15 Winkabar Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

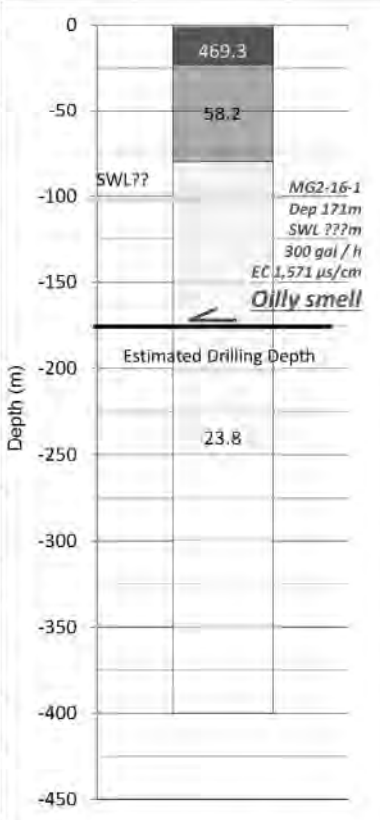
Village ID	MG2-16	Survey Date	18/06/2015
Village	Kyatkan	Coordinate	X : 685,567
Township	Chauk	(WGS 84 UTM Zone 46N)	Y : 2,292,822
Region	Magway	Elevation (m)	Z : 95

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	36.5	1.7	-1.7	Topo Soil
2nd	469.3	21.1	-22.8	Aluvium deposit (Gravel/Sand)
3rd	58.2	57.1	-79.9	Aluvium / Irrawady (Sand)
4th	23.8			Irrawady formation (Sand : saturated)
5th				
6th				
7th				



Estimation Results of Hydrogeological Information

Targel Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	100 m
	Depth (m)	>80m	Remarks:	
	Thickness (m)	>110m		
	Resistivity (Ω-m)	23.8		

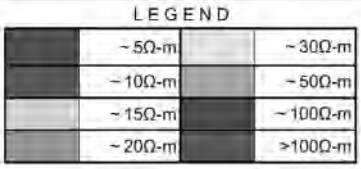
Results of Evaluation

Estimated Drilling Depth(m)	170m	Possibility / Priority	A : High Priority 3

Remarks

Drilling depth is estimated by exisiting tube well.

During drillig, It requires attention to oil contained in the layer.

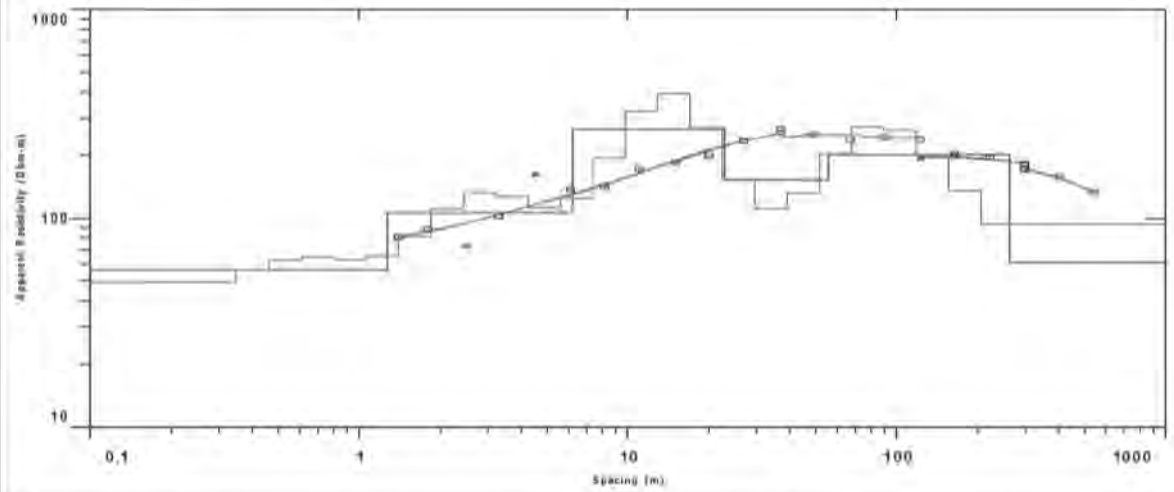


MG2-16 Kyatkan Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

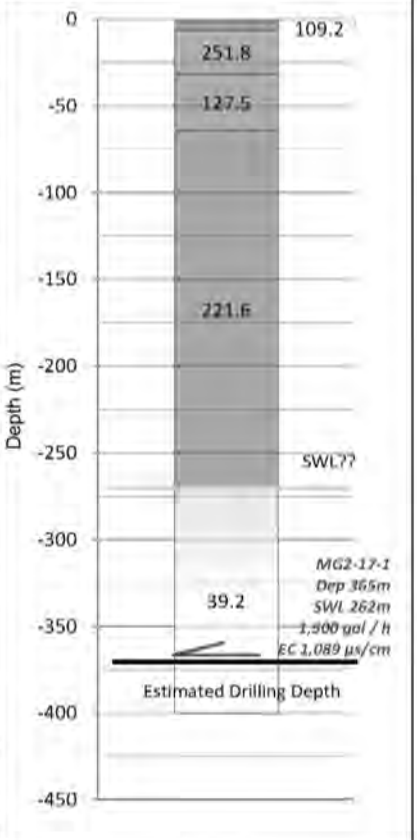
Village ID	MG2-17	Survey Date	17/06/2015
Village	Sudat	Coordinate	X : 706,601
Township	Chauk	(WGS 84 UTM Zone 46N)	Y : 2,285,682
Region	Magway	Elevation (m)	Z : 386

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	56.6	1.3	-1.3	Top Soil
2nd	109.2	4.9	-6.3	Irrawady formation (Sand > Gravel?)
3rd	251.8	25.0	-31.2	Irrawady formation (Gravel > Sand?)
4th	127.5	32.9	-64.1	Irrawady formation (Sand > Gravel?)
5th	221.6	206.2	-270.3	Irrawady formation (Gravel > Sand?)
6th	39.2			Irrawady formation (Sand : Saturated))
7th				



Estimation Results of Hydrogeological Information

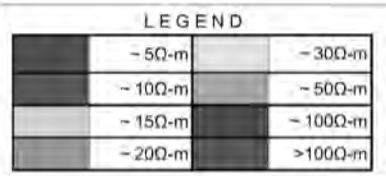
Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	270 m
	Depth (m)	>270m	Remarks:	
	Thickness (m)	>100m		
	Resistivity (Ω-m)	39.2		

Results of Evaluation

Estimated Drilling Depth(m)	370 m	Possibility / Priority	A : High Priority 1

Remarks

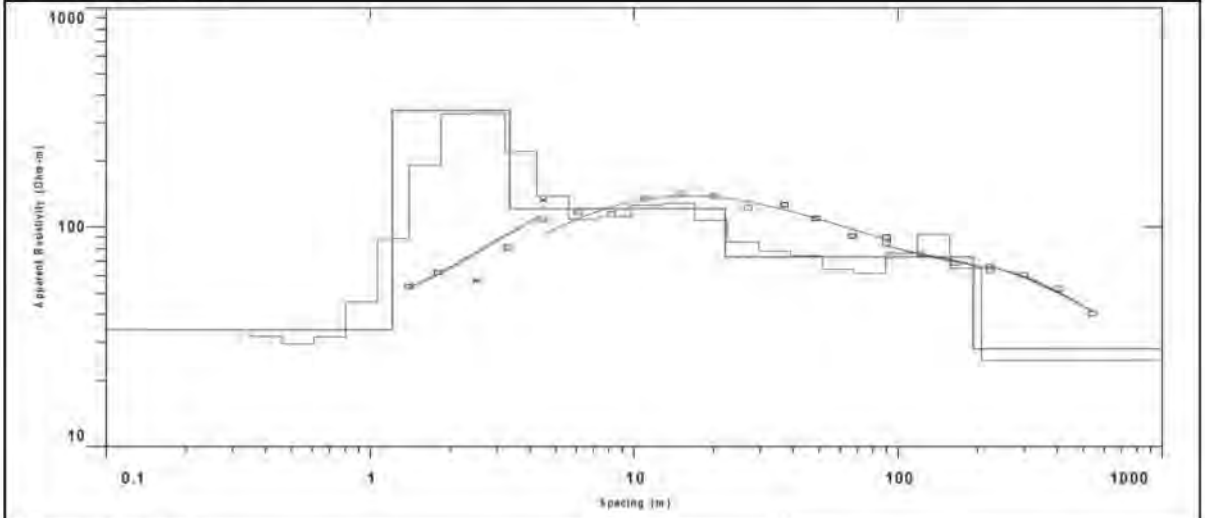
Drilling depth is estimated by information of exisiting tube well.



Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

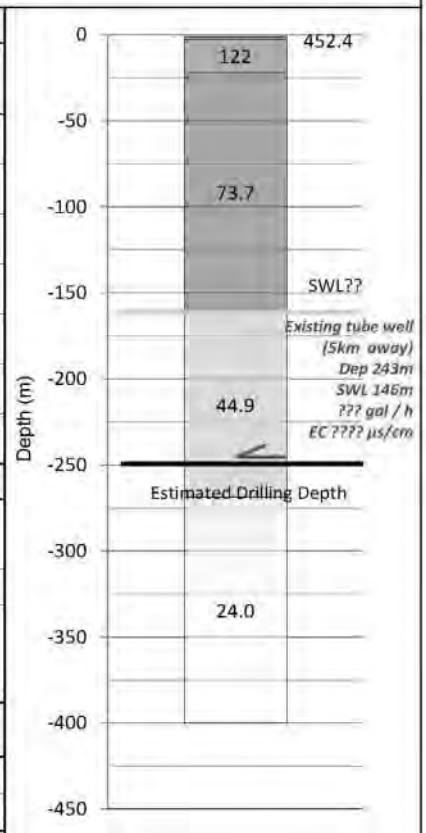
Village ID	MG2-18	Survey Date	17/06/2015
Village	Myaynilain	Coordinate (WGS 84 UTM Zone 46N)	X : 698,822
Township	Chauk		Y : 2,287,046
Region	Magway	Elevation (m)	Z : 306

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	34.3	1.3	-1.3	Top Soil
2nd	452.4	1.5	-2.8	Irrawady formation (Gravel?)
3rd	122.0	18.8	-21.6	Irrawady formation (Gravel with Sand)
4th	73.7	139.6	-161.2	Irrawady formation (Sand : Unsaturated)
5th	44.9	107.4	-268.6	Irrawady formation (Sand : Saturated)
6th	24.0			Irrawady formation (Sand : Saturated)
7th				



Estimation Results of Hydrogeological Information

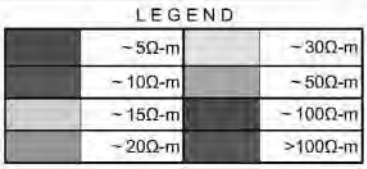
Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	160 m
	Depth (m)	161 - 268 m	Remarks:	
	Thickness (m)	>90m		
	Resistivity (Ω-m)	44.9		

Results of Evaluation

Estimated Drilling Depth(m)	250 m	Possibility / Priority	B : Medium Priority 3

Remarks

Drilling depth is estimated by information of exisiting tube well.
(That tube well is 5 km away from here.)

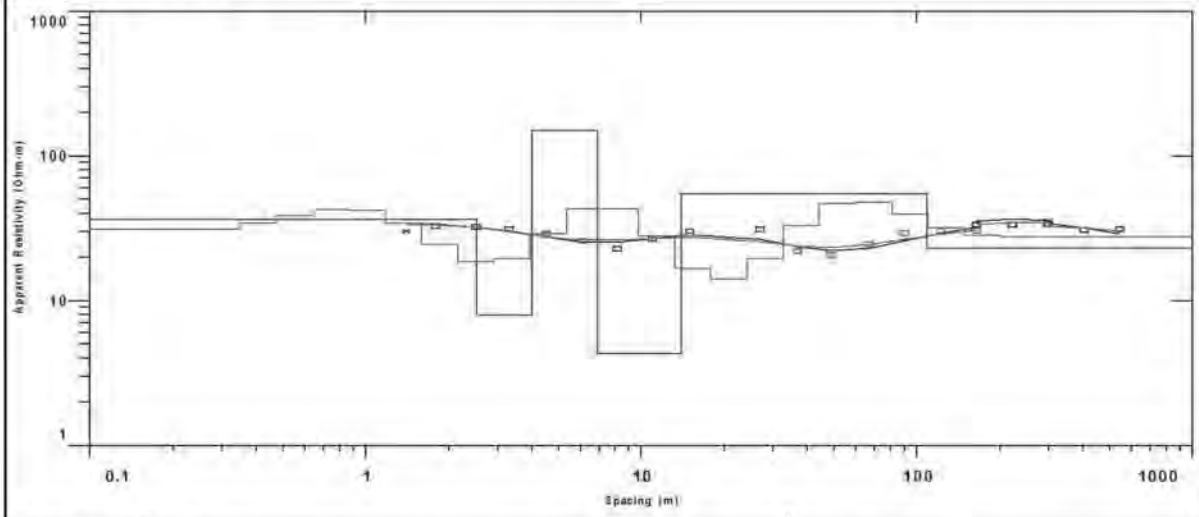


MG2-18 Myaynilain Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

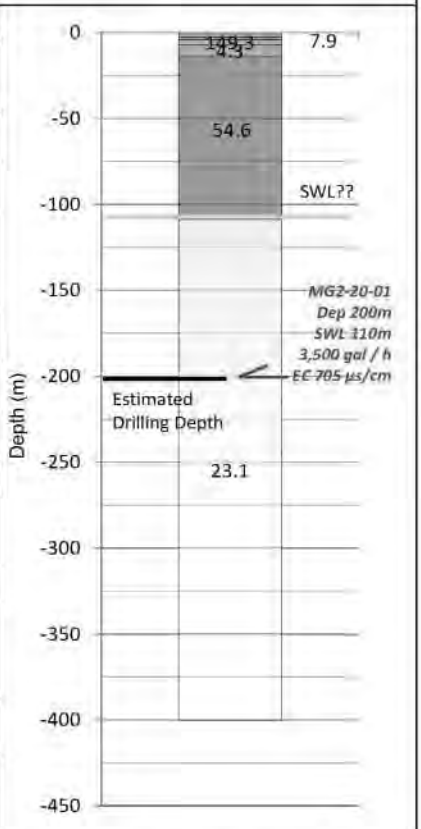
Village ID	MG2-20	Survey Date	20/06/2015
Village	Laytinesin(S)	Coordinate (WGS 84 UTM Zone 46N)	X : 732,777
Township	Myothit		Y : 2,235,825
Region	Magway	Elevation (m)	Z : 166

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	36.3	2.5	-2.5	Top Soil
2nd	7.9	1.5	-4.0	Irrawaddy formation (Clay : Unsaturated)
3rd	149.3	2.9	-6.9	Irrawaddy formation (Sand with Gravel)
4th	4.3	7.0	-14.0	Irrawaddy formation (Clay : Unsaturated)
5th	54.6	94.8	-108.8	Irrawaddy formation (Sand : Unsaturated)
6th	23.1			Irrawaddy formation (Sand : Saturated)
7th				



Estimation Results of Hydrogeological Information

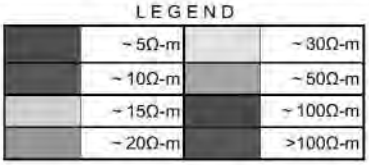
Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	109 m
	Depth (m)	>109m	Remarks:	
	Thickness (m)	>90m		
	Resistivity (Ω-m)	23.1		

Results of Evaluation

Estimated Drilling Depth(m)	200 m	Possibility / Priority	A : High Priority 2

Remarks

Drilling depth is estimated by information of existing tube well.

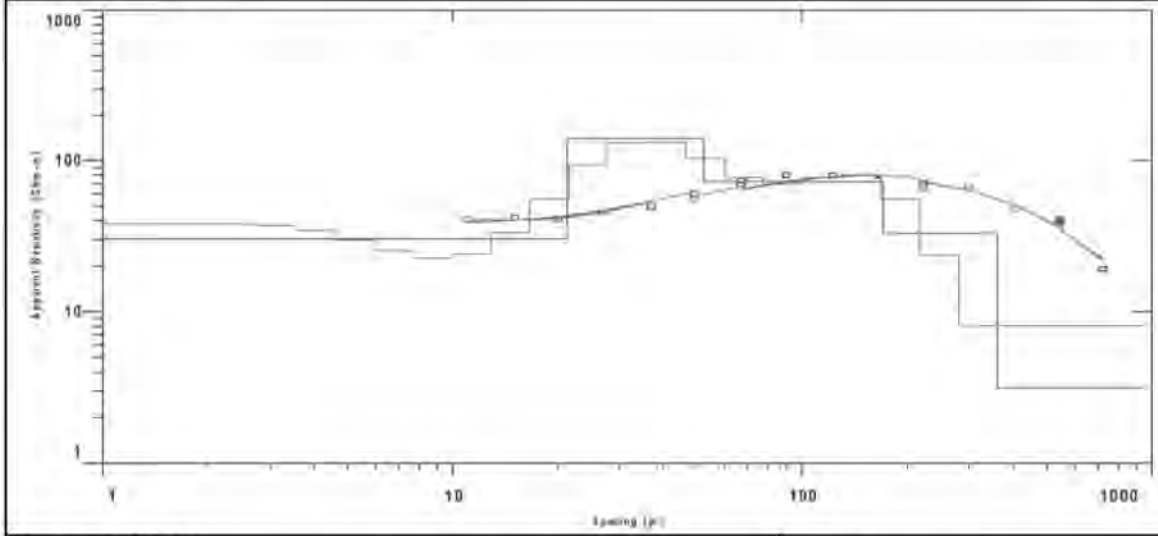


MG2-20 Laytinesin(S) Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

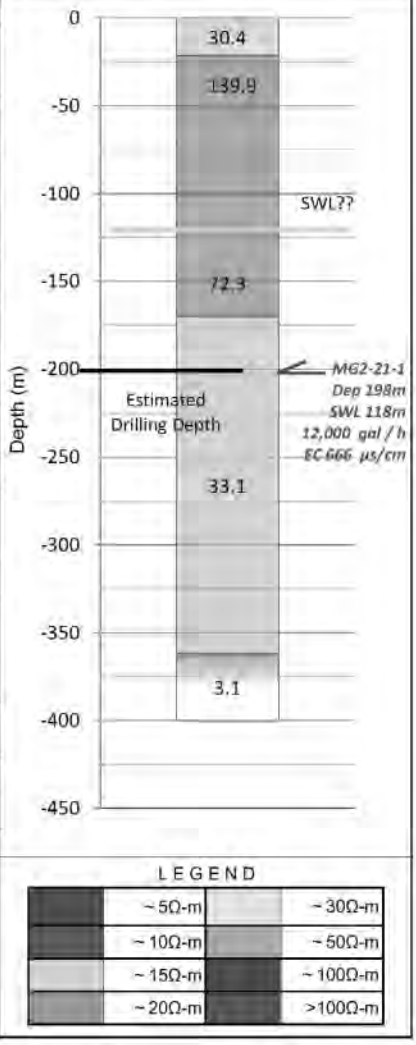
Village ID	MG2-21	Survey Date	21/06/2015
Village	Tharmyar	Coordinate (WGS 84 UTM Zone 46N)	X : 736,054
Township	Myothit		Y : 2,241,105
Region	Magway	Elevation (m)	Z : 217

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	30.4	21.2	-21.2	Top Soil/ Irrawady (Silt - Sand)
2nd	139.9	31.1	-52.3	Irrawady formation (Sand with Gravel)
3rd	72.3	117.6	-169.9	Irrawady formation (Sand :Unsaturatted))
4th	33.1	192.2	-362.1	Irrawady formation (Sand :Saturatted))
5th	3.1			Irrawady formation (Clay :Saturatted))
6th				
7th				



Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	120 m
	Depth (m)	170 - 362 m	Remarks:	
	Thickness (m)	>30m		
	Resistivity (Ω-m)	33.1		

Results of Evaluation

Estimated Drilling Depth(m)	200 m	Possibility / Priority	A : High
			Priority 2

Remarks

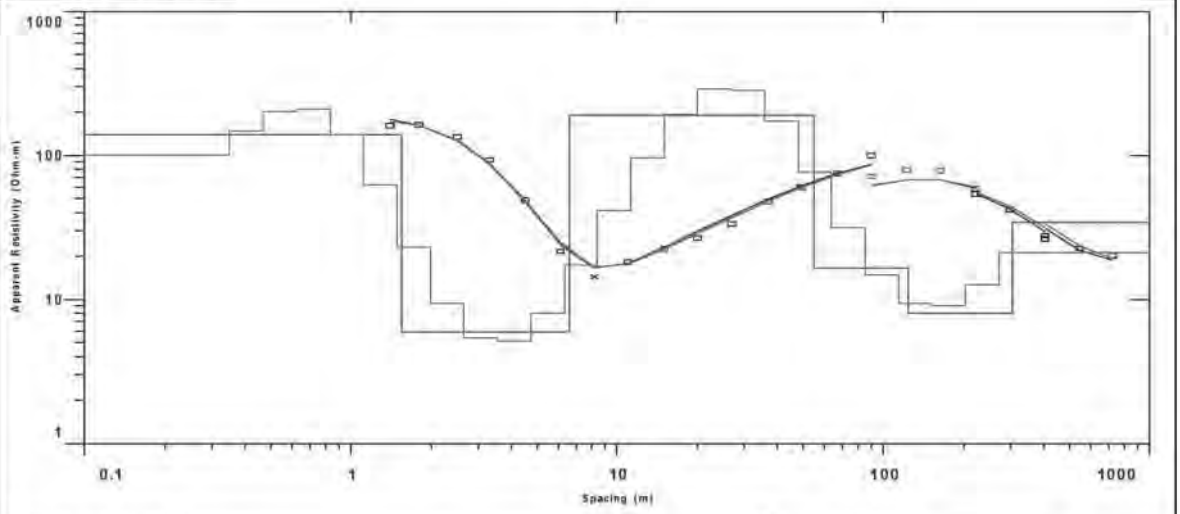
Drilling depth is decided by information of existing tube well.

MG2-21 Tharmyar Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

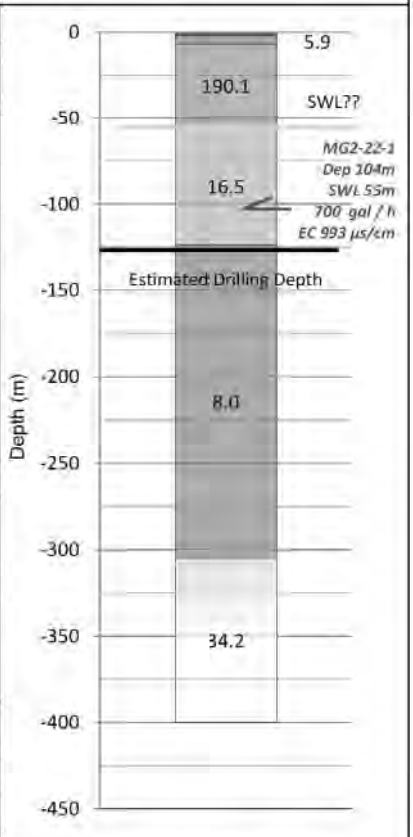
Village ID	MG2-22	Survey Date	21/06/2015
Village	Aungmyinthar	Coordinate	X : 733,165
Township	Myothit	(WGS 84 UTM Zone 46N)	Y : 2,231,570
Region	Magway	Elevation (m)	Z : 154

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	138.9	1.5	-1.5	Top Soil (Sand)
2nd	5.9	5.0	-6.6	Top Soil (Clay)
3rd	190.1	48.5	-55.1	Irrawaddy formation (Sand with gravel)
4th	16.5	68.8	-123.9	Irrawaddy formation (Sand : Saturated)
5th	8.0	180.6	-304.5	Irrawaddy formation (Silt - Clay)
6th	34.2			Irrawaddy formation (Sand :Saturated?))
7th				



Estimation Results of Hydrogeological Information

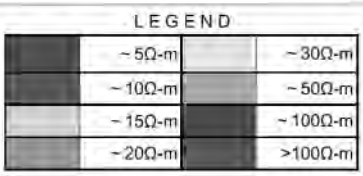
Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	55 m
	Depth (m)	55 - 124m	Remarks:	
	Thickness (m)	>65m		
	Resistivity (Ω-m)	16.5		

Results of Evaluation

Estimated Drilling Depth(m)	120 m	Possibility / Priority	C : Low-Medium Priority 5

Remarks

From existing borehole, It is expected that capacity of target aquifers is low.
Therefore, It is recommended that drilling depth is set to deep part as possible.

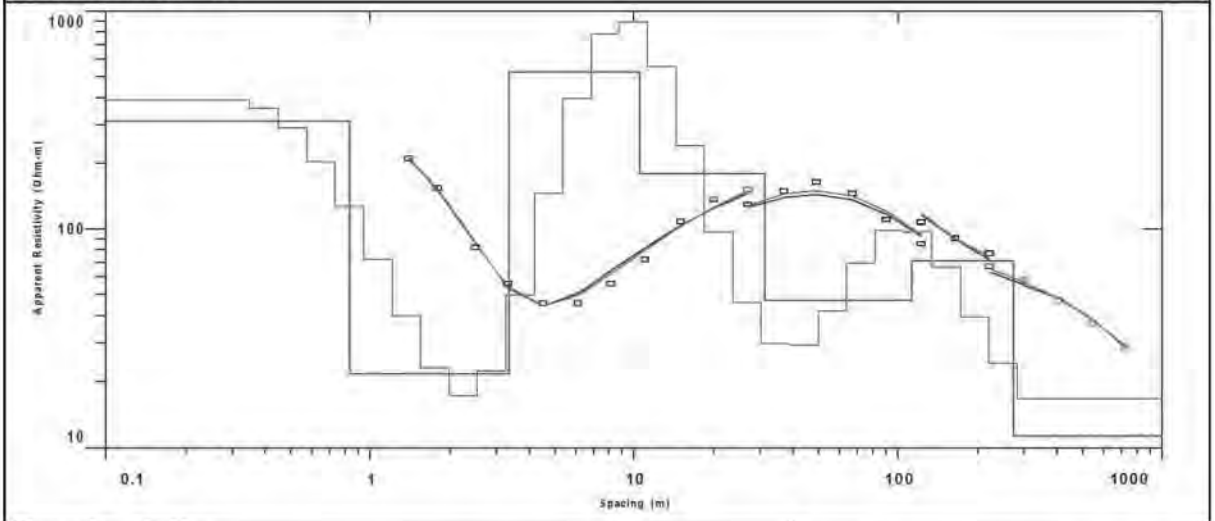


MG2-22 Aungmyinthar Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

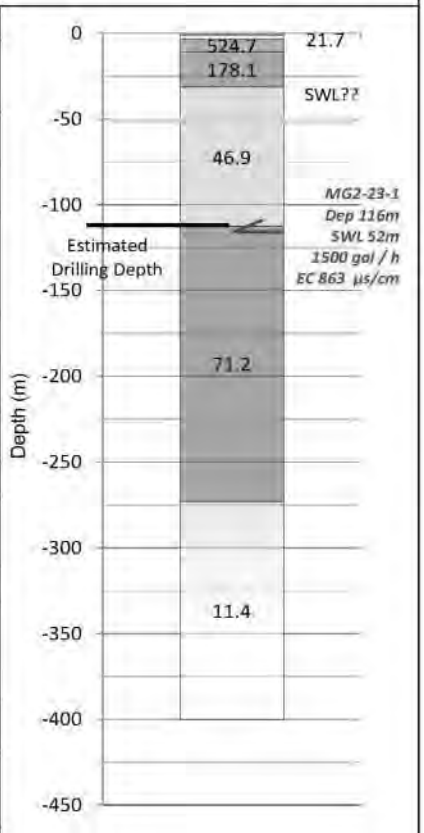
Village ID	MG2-23	Survey Date	22/06/2015
Village	Ngwelay	Coordinate	X : 738,865
Township	Myothit	(WGS 84 UTM Zone 46N)	Y : 2,222,523
Region	Magway	Elevation (m)	Z : 125

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	312.6	0.8	-0.8	Top Soil
2nd	21.7	2.5	-3.3	Irrawaddy formation (Silt : Unsaturated)
3rd	524.7	7.2	-10.5	Irrawaddy formation (Sand with Gravel) (Unsaturated)
4th	178.1	20.7	-31.2	
5th	46.9	81.2	-112.4	Irrawaddy formation (Sand: Saturated)
6th	71.2	160.5	-272.9	Pegu? Irrawaddy? (Impermeable layer?)
7th	11.4			Pegu? Irrawaddy? (Clay ? Confined aquifer?)



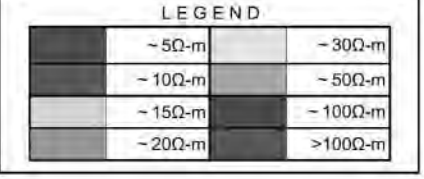
Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	52 m
	Depth (m)	31 - 112m	Remarks:	
	Thickness (m)	>50m		
	Resistivity (Ω-m)	45.9		

Results of Evaluation

Estimated Drilling Depth(m)	115 m	Possibility / Priority	B : Medium Priority 4

Remarks
Drilling depth is estimated by information of existing tube well.

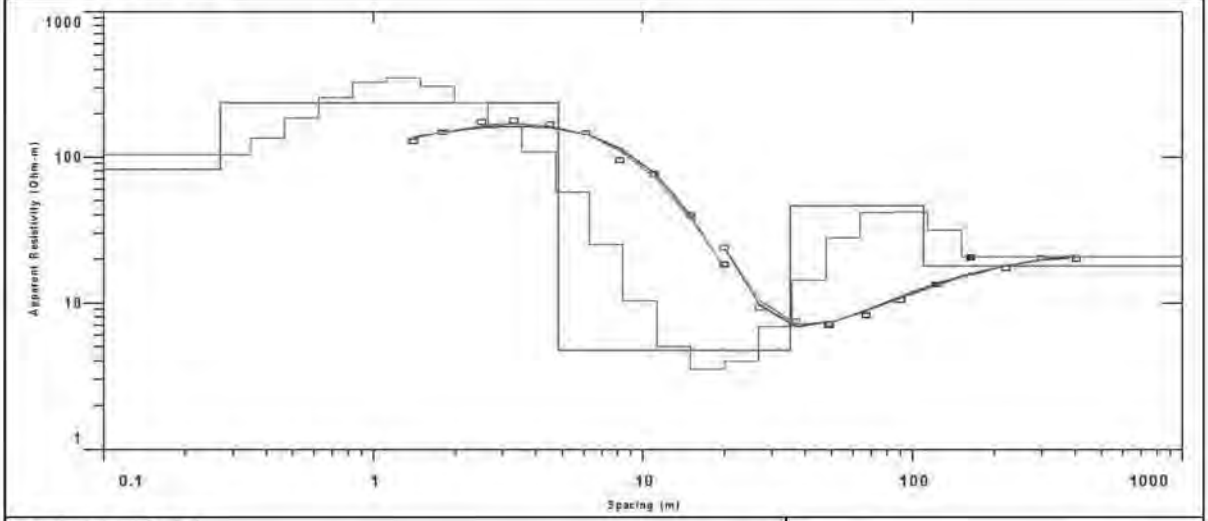


MG2-23 Ngwelay Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

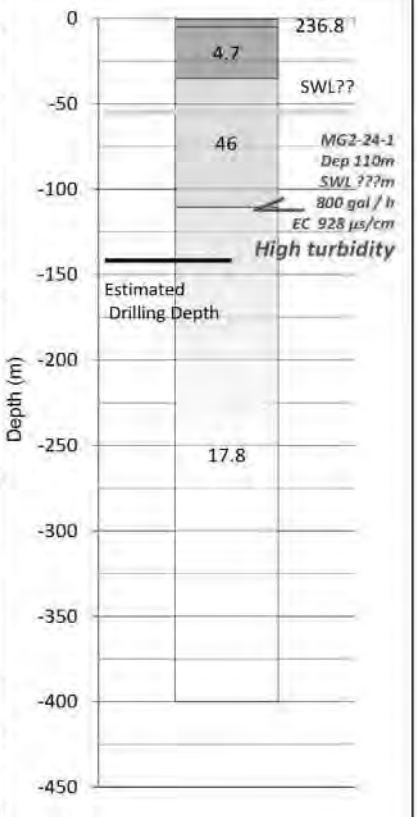
Village ID	MG2-24	Survey Date	20/06/2015
Village	Indaw(N)	Coordinate (WGS 84 UTM Zone 46N)	X : 742,485
Township	Myothit		Y : 2,229,625
Region	Magway	Elevation (m)	Z : 131

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	82.2	0.3	-0.3	Top Soil
2nd	236.8	4.6	-4.8	Irrawady formation (Sand with gravel)
3rd	4.7	30.3	-35.1	Irrawady formation (Clay)
4th	46.0	75.3	-110.4	Irrawady formation (Sand? Saturated)
5th	17.8			Irrawady formation (Silt - Sand : Saturated)
6th				
7th				



Estimation Results of Hydrogeological Information

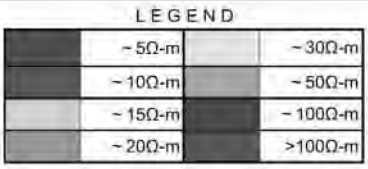
Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	55 m
	Depth (m)	>110m	Remarks:	
	Thickness (m)	>30m	SWL is estimated by near tube well. (MG2-23-1)	
	Resistivity (Ω-m)	17.8		

Results of Evaluation

Estimated Drilling Depth(m)	145 m	Possibility / Priority	C : Low-Medium Priority 5

Remarks

Yield of existing tube well is low and groundwater involves the high turbidity.
From above reasons, estimated drilling depth is set to more deeper.

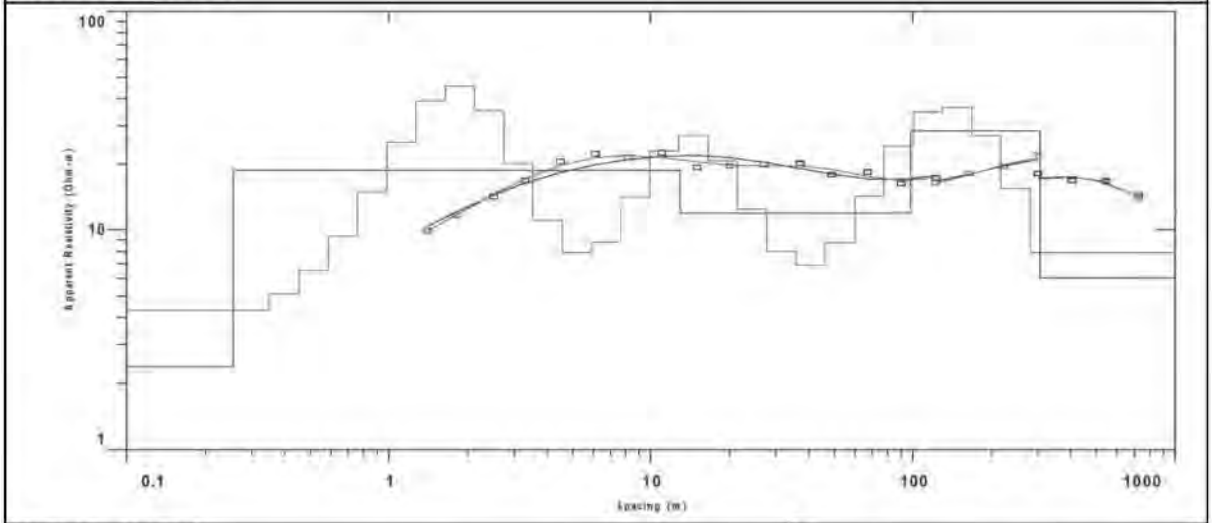


MG2-24 Indaw(N) Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

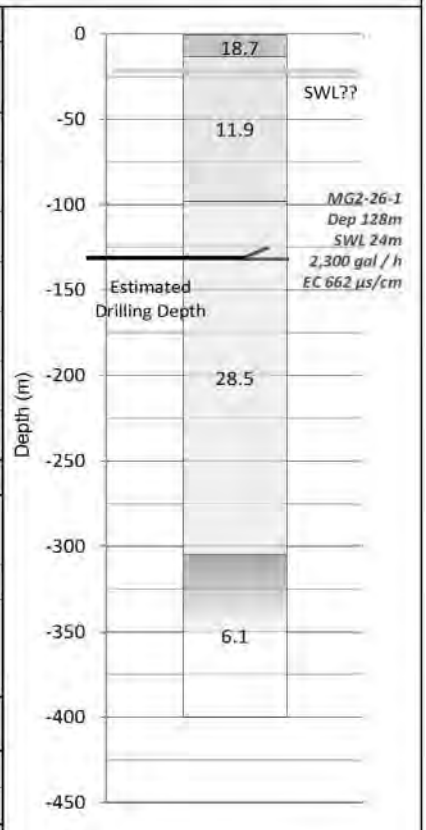
Village ID	MG2-26	Survey Date	22/06/2015
Village	Manawtgone	Coordinate (WGS 84 UTM Zone 46N)	X : 731,842
Township	Myothit		Y : 2,222,261
Region	Magway	Elevation (m)	Z : 96

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	2.4	0.3	-0.3	Top Soil
2nd	18.7	12.7	-13.0	Top Soil / Irrawaddy F (Silt : Unsaturated)
3rd	11.9	85.1	-98.1	Irrawaddy formation (Silt : Saturated?)
4th	28.5	206.4	-304.5	Irrawaddy formation (Sand : Saturated)
5th	6.1			Irrawaddy formation (Clay)
6th				
7th				



Estimation Results of Hydrogeological Information

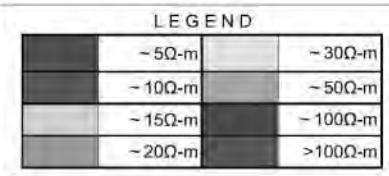
Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	24 m
	Depth (m)	98 - 305m	Remarks:	
	Thickness (m)	>30m		
	Resistivity (Ω-m)	28.5		

Results of Evaluation

Estimated Drilling Depth(m)	130 m	Possibility / Priority	A : High
			Priority 3

Remarks

Drilling depth is estimated by information of existing tube well.

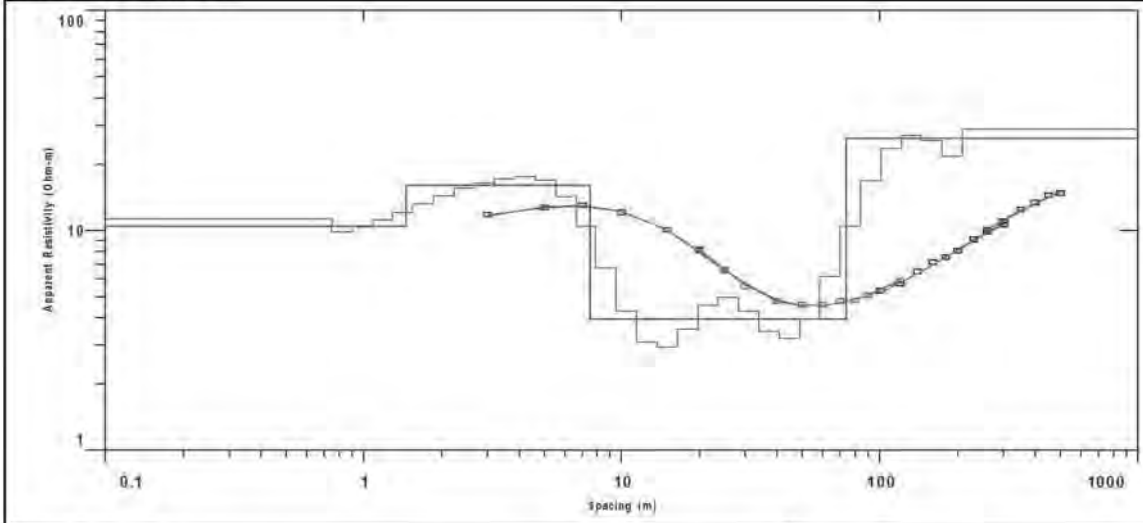


MG2-26 Manawtgone Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

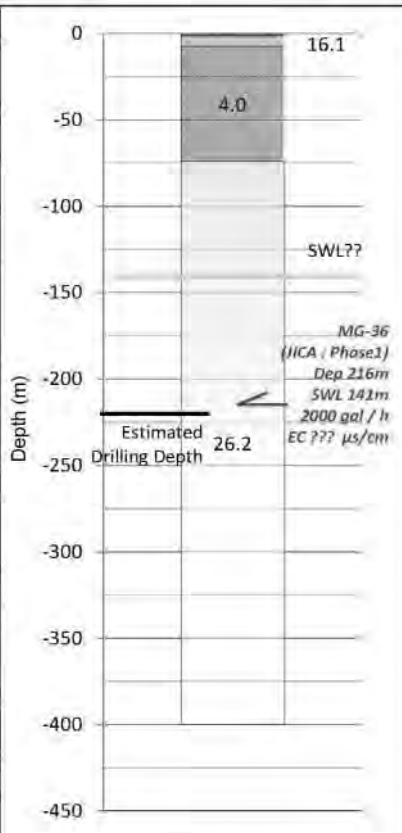
Village ID	MG2-27	Survey Date	08/06/2015
Village	Kangyigone	Coordinate	X : 742,472
Township	Natmauk	(WGS 84 UTM Zone 46N)	Y : 2,259,236
Region	Magway	Elevation (m)	Z : 269

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	10.4	1.5	-1.5	Top Soil
2nd	16.1	6.1	-7.5	Irrawaddy formation (Silt : Unsaturated)
3rd	4.0	66.6	-74.1	Irrawaddy formation (Clay : Unsaturated)
4th	26.2			Irrawaddy formation (Silt / Sand : Unsaturated - Saturated)
5th				
6th				
7th				



Estimation Results of Hydrogeological Information

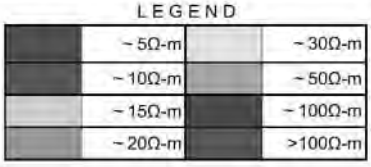
Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	141 m
	Depth (m)	141-220	Remarks:	
	Thickness (m)	>75m	SWL is estimated by existing tube well which is located near the site. (MG-36:JICA phase1)	
	Resistivity (Ω-m)	26.2		

Results of Evaluation

Estimated Drilling Depth(m)	220 m	Possibility / Priority	A : High Priority 2

Remarks

Drilling depth is estimated by information of existing tube well which is located near the site.
(It is located 1.8km away from here.)

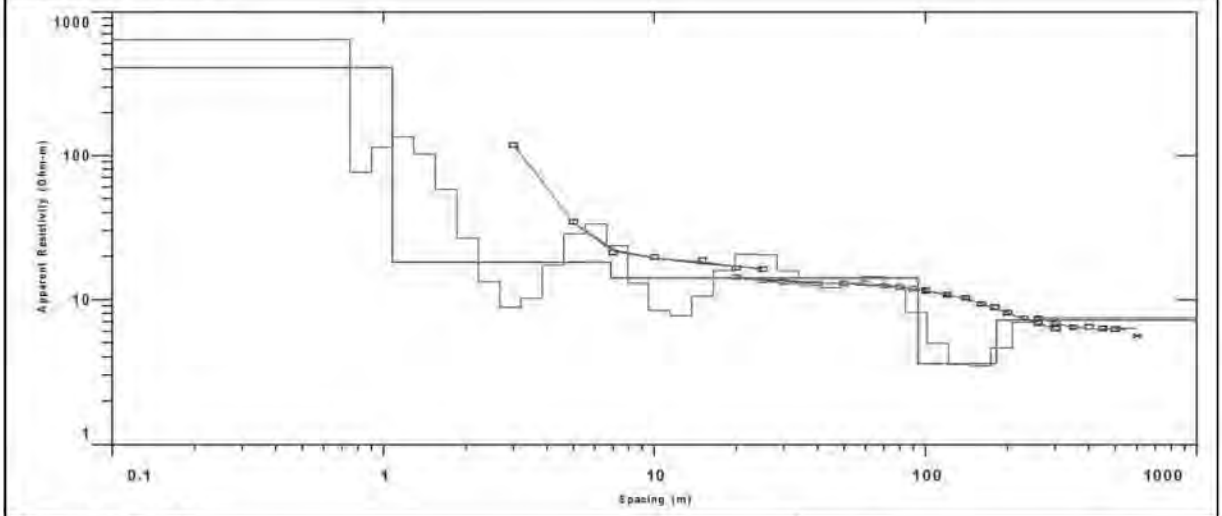


MG2-27 Kangyigone Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

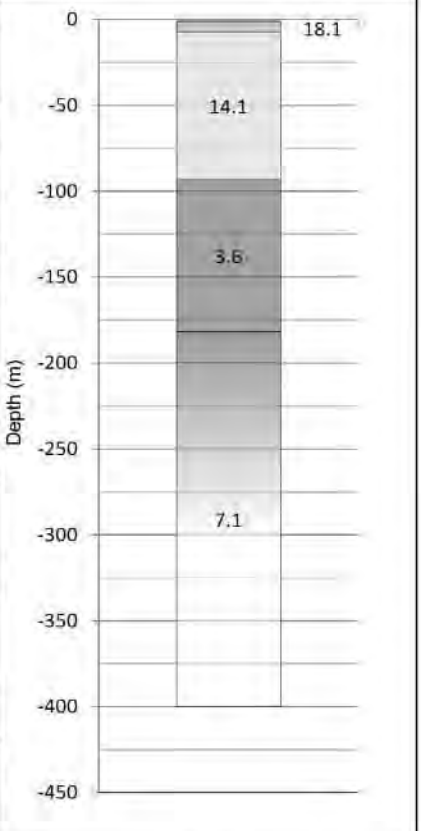
Village ID	MG2-32	Survey Date	04/06/2015
Village	Ywartharlay	Coordinate	X : 730,882
Township	Natmauk	(WGS 84 UTM Zone 46N)	Y : 2,275,379
Region	Magway	Elevation (m)	Z : 292

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	408.7	1.1	-1.1	Top Soil
2nd	18.1	5.8	-6.9	Silty Sand? (Unsaturated?)
3rd	14.1	86.5	-93.4	Silty Sand? (Unsaturated?)
4th	3.6	88.3	-181.7	Silty Sand - Clay? (Saturated?)
5th	7.1			Silty Sand? (Saturated)
6th				
7th				



Estimation Results of Hydrogeological Information

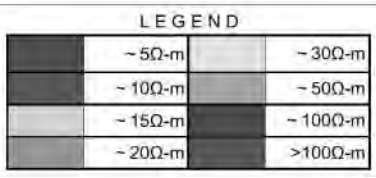
Target Aquifer	Lithology	-	Estimated SWL(GL-m)	-
	Depth (m)	-	Remarks:	
	Thickness (m)	-		
	Resistivity (Ω-m)	-		

Results of Evaluation

Estimated Drilling Depth(m)	-	Possibility / Priority	D : No posibility

Remarks

Resistivity value indicates less than 10 Ohm-m up to deep part.
It suggests existence of clay or the aquifer that has bad water quality.
Therefore, recommended drilling point is not decided.

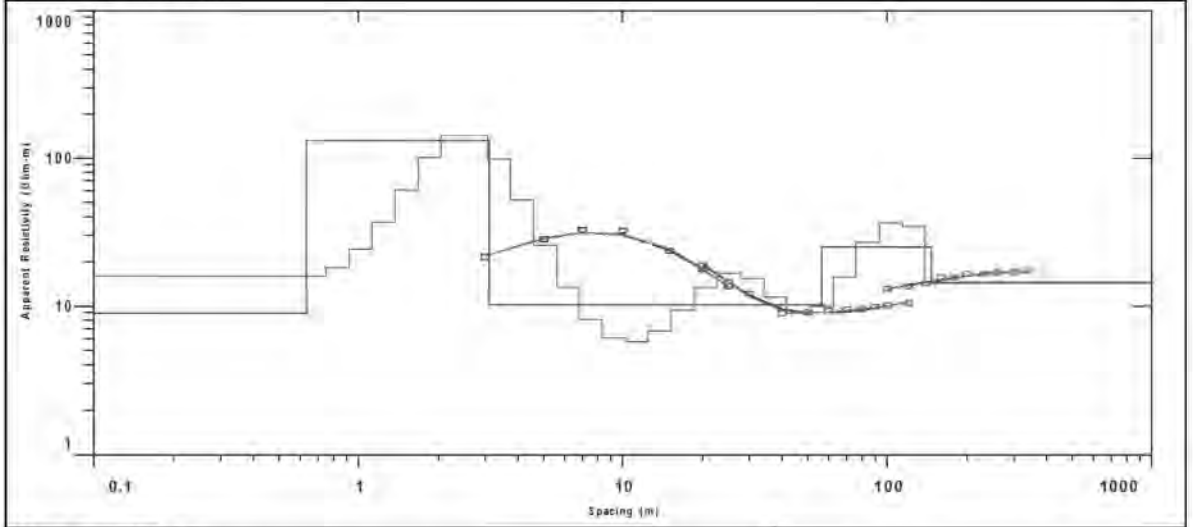


MG2-32 Ywartharlay Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

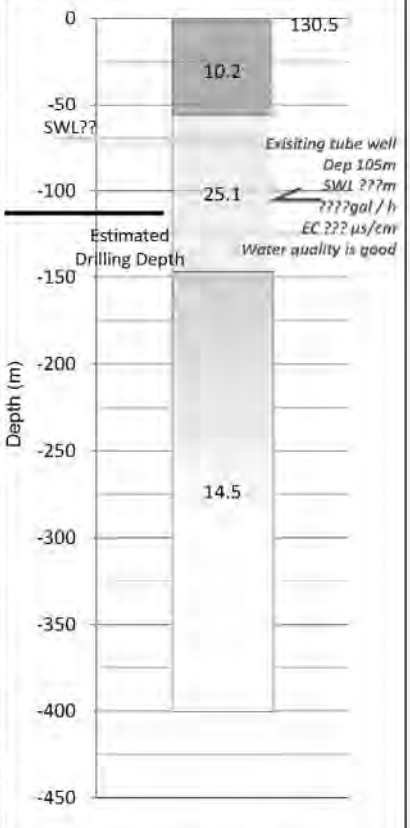
Village ID	MG2-34	Survey Date	06/06/2015
Village	Nyaunggone	Coordinate	X : 732,712
Township	Natmauk	(WGS 84 UTM Zone 46N)	Y : 2,256,221
Region	Magway	Elevation (m)	Z : 303

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	8.9	0.6	-0.6	Top Soil
2nd	130.5	2.5	-3.1	Irrawady formation (Sand with Gravel)
3rd	10.2	53.5	-56.6	Irrawady or Pegu group (Silt : Unturated?)
4th	25.1	89.8	-146.4	Irrawady or Pegu group (Sand : Saturated)
5th	14.5			Pegu Group? (Mudstone?l)
6th				
7th				



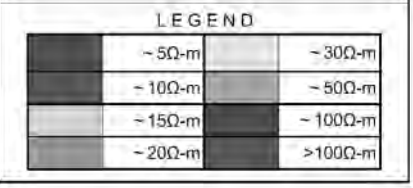
Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	Sand (Ir?)	Estimated SWL(GL-m)	70 m
	Depth (m)	57 - 147m	Remarks:	
	Thickness (m)	>35m		
	Resistivity (Ω-m)	25.1		

Results of Evaluation

Estimated Drilling Depth(m)	110 m	Possibility / Priority	A : High Priority 3

Remarks
Drilling depth is estimated by information of exisiting tube well.

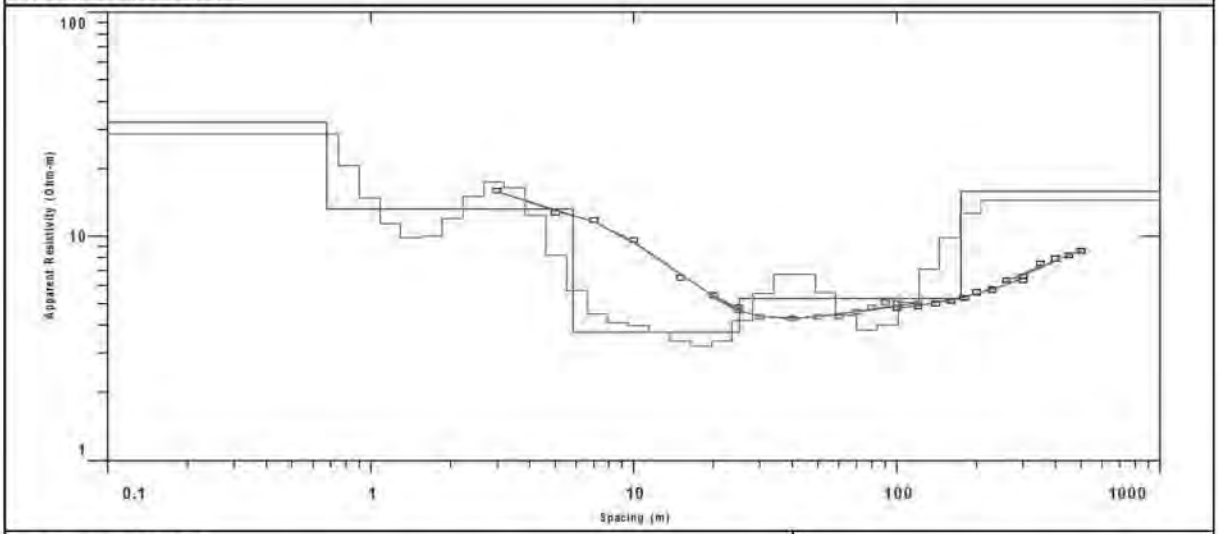


MG2-34 Nyaunggone Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

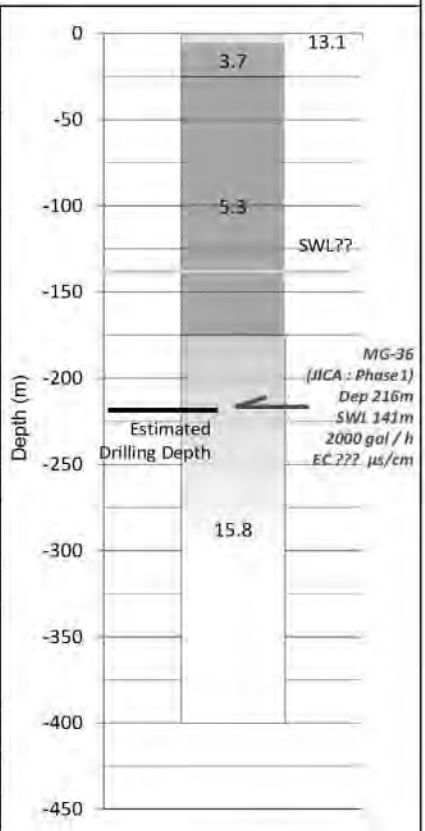
Village ID	MG2-35	Survey Date	03/06/2015
Village	Kyugyaung	Coordinate	X : 744,680
Township	Natmauk	(WGS 84 UTM Zone 46N)	Y : 2,259,329
Region	Magway	Elevation (m)	Z : 241

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	32.3	0.7	-0.7	Top Soil
2nd	13.1	5.1	-5.8	Irrawady formation (Silt : Unsaurated)
3rd	3.7	19.4	-25.2	Irrawady formation (Clay : Unsaurated)
4th	5.3	149.7	-174.9	
5th	15.8			Irrawady formation (Sand : Saurated)
6th				
7th				



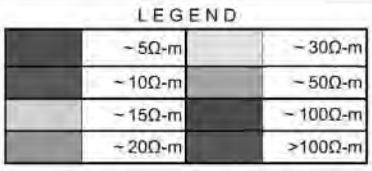
Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	Silty Sand (Ir)	Estimated SWL(GL-m)	140m (Confined?)
	Depth (m)	>175m	Remarks:	
	Thickness (m)	>45m		
	Resistivity (Ω-m)	15.8		

Results of Evaluation

Estimated Drilling Depth(m)	220 m	Possibility / Priority	B : Medium Priority 3

Remarks
Drilling depth is estimated by near exisiting tube well.
(It is located 3.5 km away from here.)

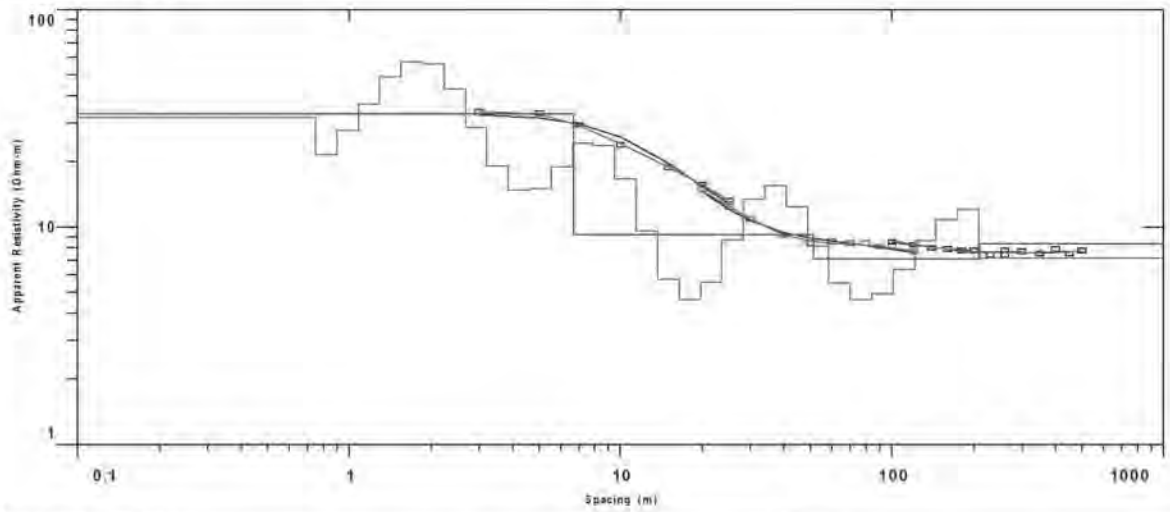


MG2-35 Kyugyaung Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

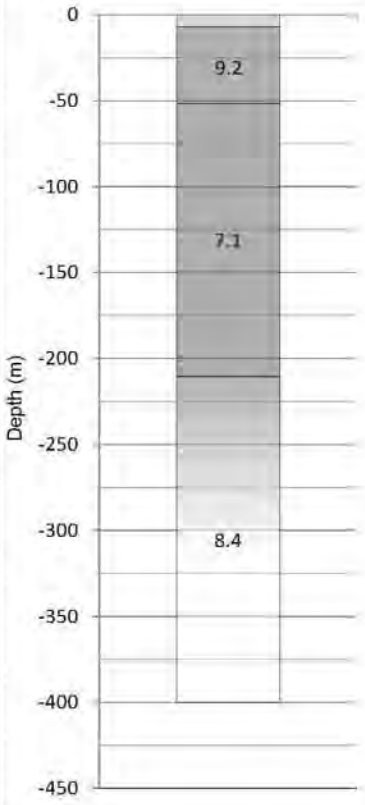
Village ID	MG2-36	Survey Date	31/05/2015
Village	Kokkohla	Coordinate	X : 765,975
Township	Taungdwingyi	(WGS 84 UTM Zone 46N)	Y : 2,218,607
Region	Magway	Elevation (m)	Z : 153

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	33.1	6.7	-6.7	Top Soil
2nd	9.2	44.8	-51.4	Alluvium deposit (Clay - Silt)
3rd	7.1	159.0	-210.4	Irrawady formation (Clay)
4th	8.4			Irrawady formation (Clay)
5th				
6th				
7th				



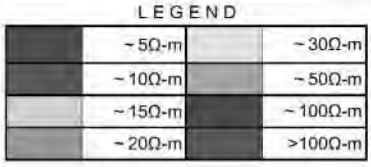
Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	-	Estimated SWL(GL-m)	?
	Depth (m)	-	Remarks:	
	Thickness (m)	-		
	Resistivity (Ω-m)	-		

Results of Evaluation

Estimated Drilling Depth(m)	-	Possibility / Priority	D : No posibility

Remarks
Resistivity value indicates less than 10 Ohm-m up to deep part.
It suggests existence of clay or the aquifer that has bad water quality.
Therefore, recommended drilling point is not decided.

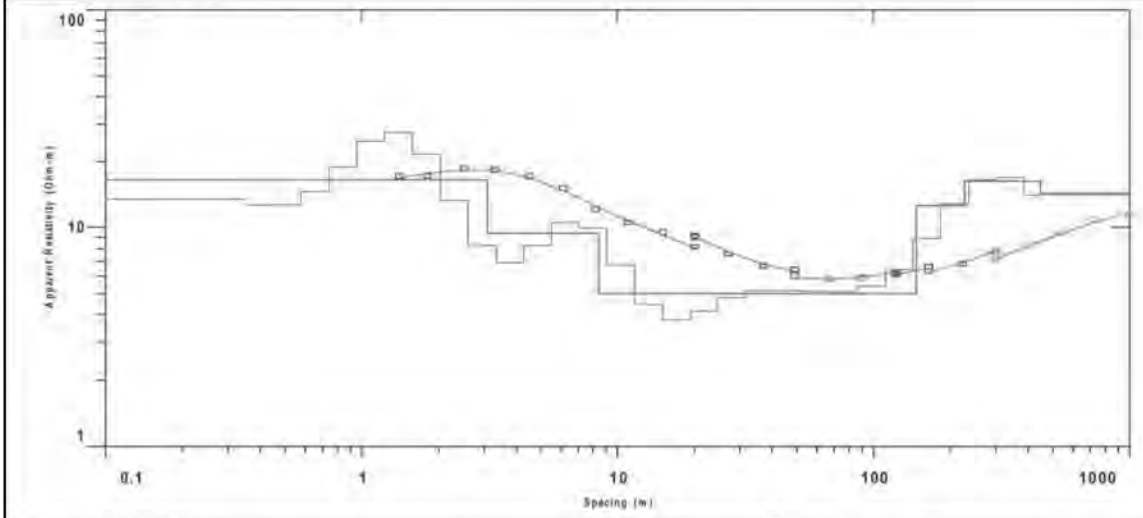


MG2-36 Kokkohla Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

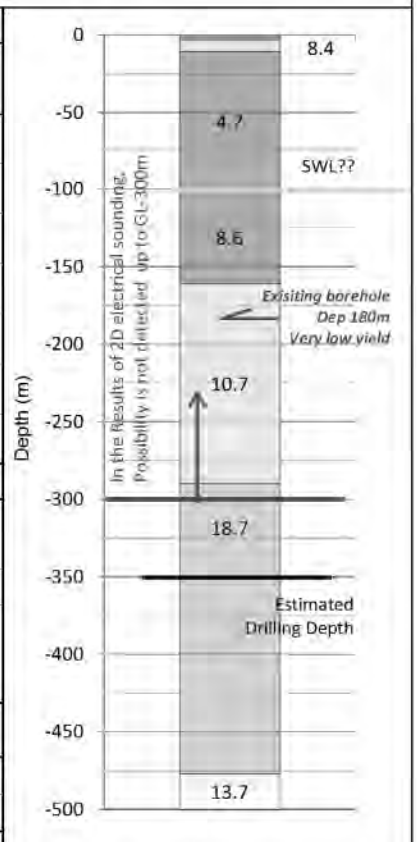
Village ID	MG2-38	Survey Date	01/06/2015
Village	Htaukkyantgwin	Coordinate (WGS 84 UTM Zone 46N)	X : 772,133
Township	Taungdwingyi		Y : 2,184,859
Region	Magway	Elevation (m)	Z : 168

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	16.6	3.3	-3.3	Top Soil
2nd	8.4	7.1	-10.4	Irrawady formation (Silt - Clay)
3rd	4.7	90.8	-101.2	Irrawady formation (Silt - Clay)
4th	8.6	59.6	-160.8	Irrawady formation (Silt - Clay)
5th	10.7	129.1	-289.9	Irrawady formation (Silt : Saturated)
6th	18.7	187.0	-476.9	Irrawady formation (Sand : Saturated)
7th	13.7			Irrawady formation (Silt - Sand : Saturated)



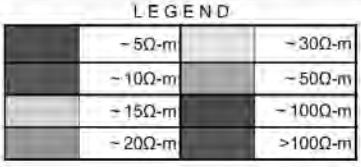
Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	100 m
	Depth (m)	290 - 477m	Remarks:	
	Thickness (m)	>30m		
	Resistivity (Ω-m)	18.7		

Results of Evaluation

Estimated Drilling Depth(m)	320 m	Possibility / Priority	A : High Priority 1

Remarks

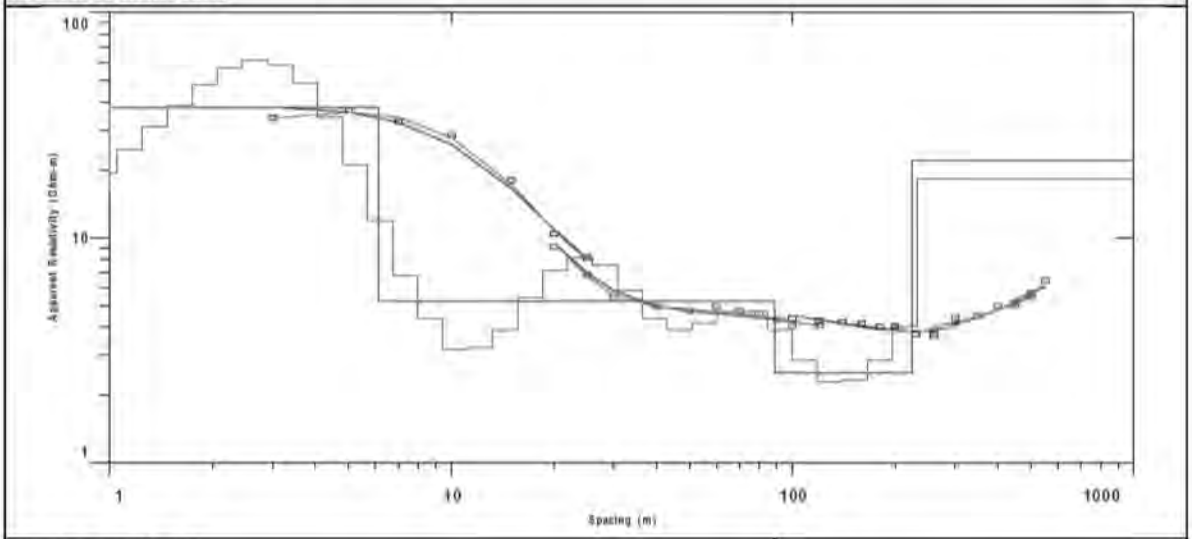


MG2-38 Htaukkyantgwin Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

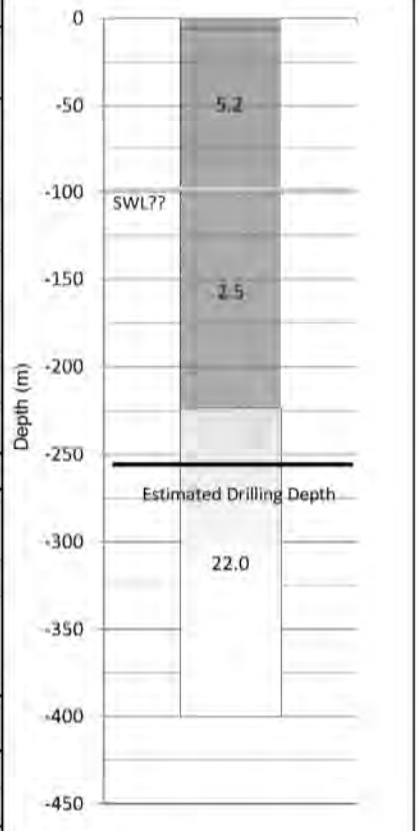
Village ID	MG2-39	Survey Date	30/05/2015
Village	Hlebwegyi	Coordinate (WGS 84 UTM Zone 46N)	X : 747,687
Township	Taungdwingyi		Y : 2,200,683
Region	Magway	Elevation (m)	Z : 147

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	37.7	6.1	-6.1	Top Soil
2nd	5.2	83.0	-89.1	Irrawady formation (Clay)
3rd	2.5	134.4	-223.6	Irrawady formation (Clay)
4th	22.0			Irrawady formation (Sand : Saturated)
5th				
6th				
7th				



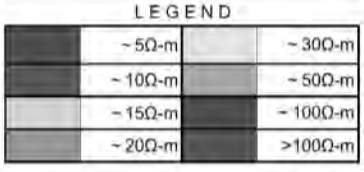
Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	100m (Confined?)
	Depth (m)	>225m	Remarks:	
	Thickness (m)	>30m		
	Resistivity (Ω-m)	22.0		

Results of Evaluation

Estimated Drilling Depth(m)	255 m	Possibility / Priority	A : High Priority 2

Remarks

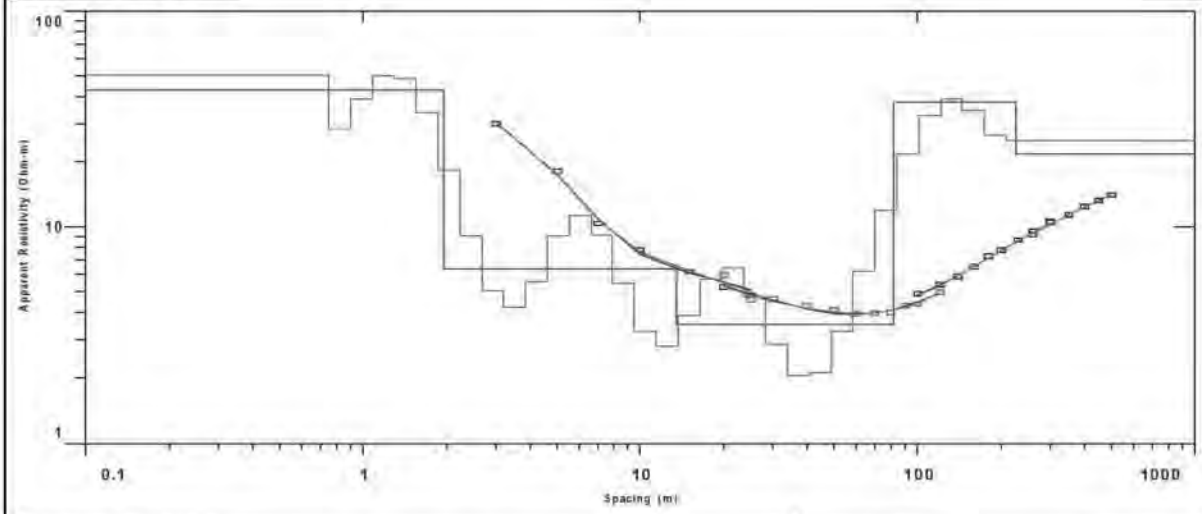


MG2-39 Hlebwegyi Village

Analysis Results of Vertical Electrical Sounding (Schlumberger Configuration)

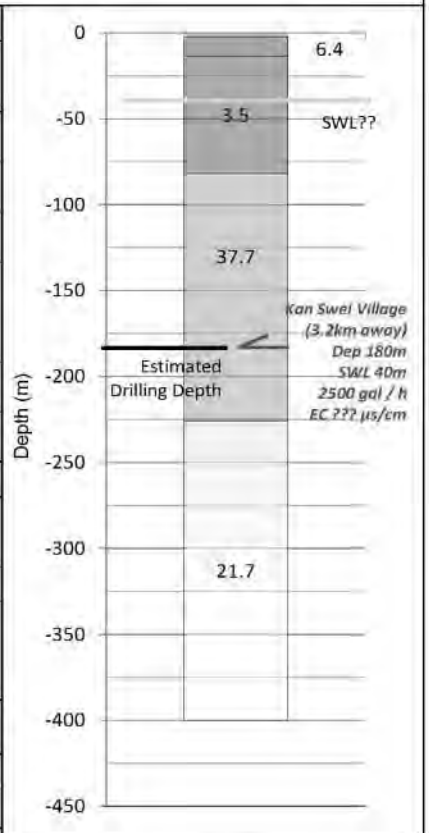
Village ID	MG2-40	Survey Date	31/05/2015
Village	Yayhtwetgyi	Coordinate	X : 743,050
Township	Taungdwingyi	(WGS 84 UTM Zone 46N)	Y : 2,197,425
Region	Magway	Elevation (m)	Z : 230

Result of Inversion



Resistivity Model

Layer	Resistivity (Ω-m)	Thickness (m)	Depth (GL -m)	Estimated Facies
1st	43.2	2.0	-2.0	Top Soil
2nd	6.4	11.6	-13.5	Irrawady formation (Clay)
3rd	3.5	68.1	-81.7	Irrawady formation (Clay)
4th	37.7	143.9	-225.5	Irrawady formation (Sand : Saturated))
5th	21.7			
6th				
7th				



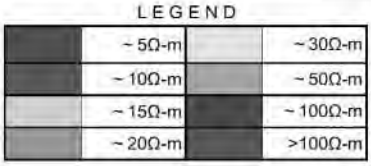
Estimation Results of Hydrogeological Information

Target Aquifer	Lithology	Sand (Ir)	Estimated SWL(GL-m)	40m (Confined)
	Depth (m)	82 - 226m	Remarks:	
	Thickness (m)	>95m		
	Resistivity (Ω-m)	37.7		

Results of Evaluation

Estimated Drilling Depth(m)	180 m	Possibility / Priority	A : High Priority 3

Remarks
Drilling depth is estimated by information of exisiting tube well.



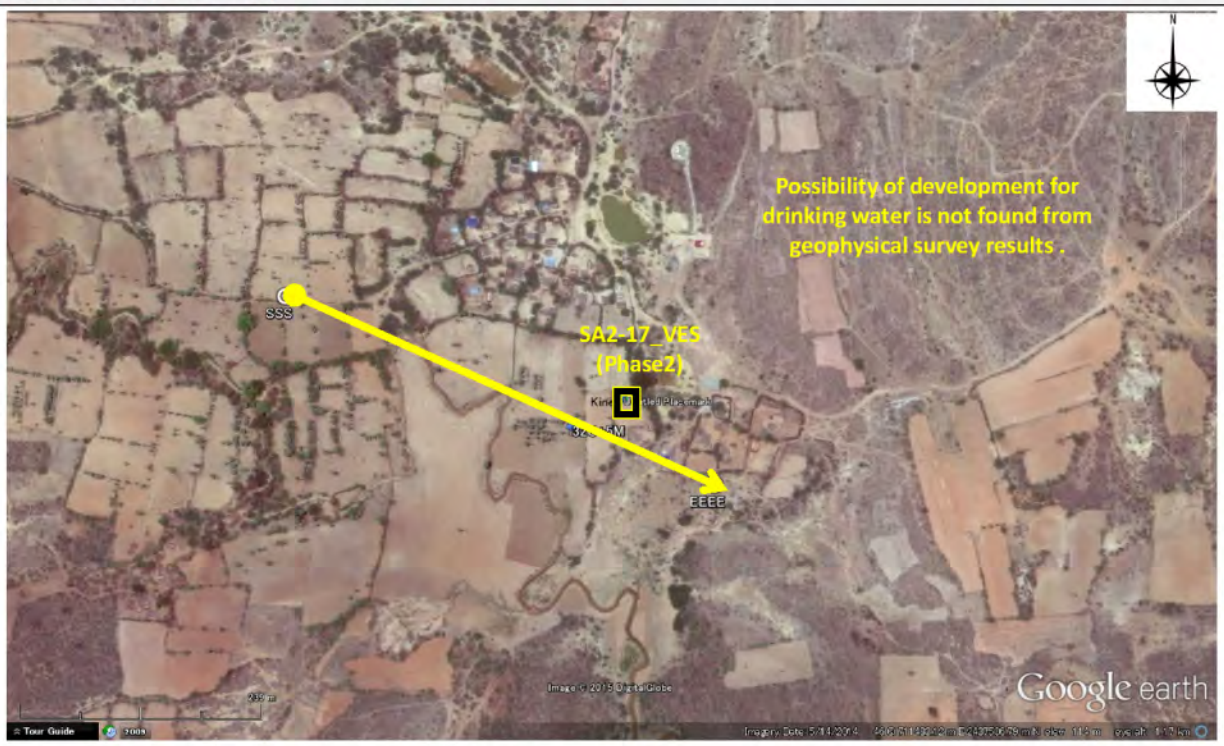
MG2-40 Yayhtwetgyi Village

2 次元電気探査結果

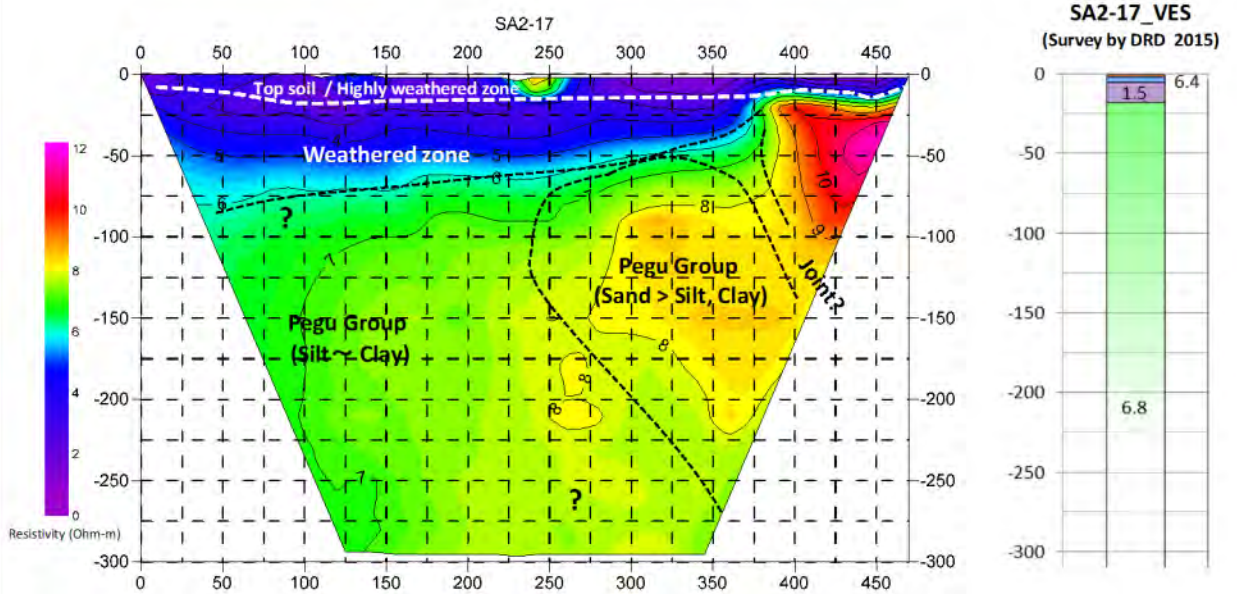
SA2-17 Kine Village
MA2-01 Htantawgyi Village
MA2-06 Kuywar Village
MA2-11 Kaungzin Village
MA2-14 Kyaungkangyibin Village
MA2-15 Nyaunggone Village
MA2-16 Chaungnar Village
MA2-18 Kyaukkartaungkone Village
MA2-21 Tharyarmyaing Village
MA2-32 Phoenekan Village
MA2-33 Nyaungbinthar Village
MA2-36 Aleywar-2 Village
MA2-38 Lelgyi(Ma) Village
MG2-12 Zeebwar Village
MG2-19 Legyinyo Village
MG2-28 Htonepoutchine Village
MG2-30 Sellel Village
MG2-33 Wayonegone Village
MG2-37 Kangyigone Village
MG2-38 Htaukkyantgwin Village

Region	Sagaing	Township	Salingyi	VillageTracks	Moe Kyo Pyin	Village	Kine	ID	SA2-17

Survey Location Map (Satellite Image)



Resisitivity Profile



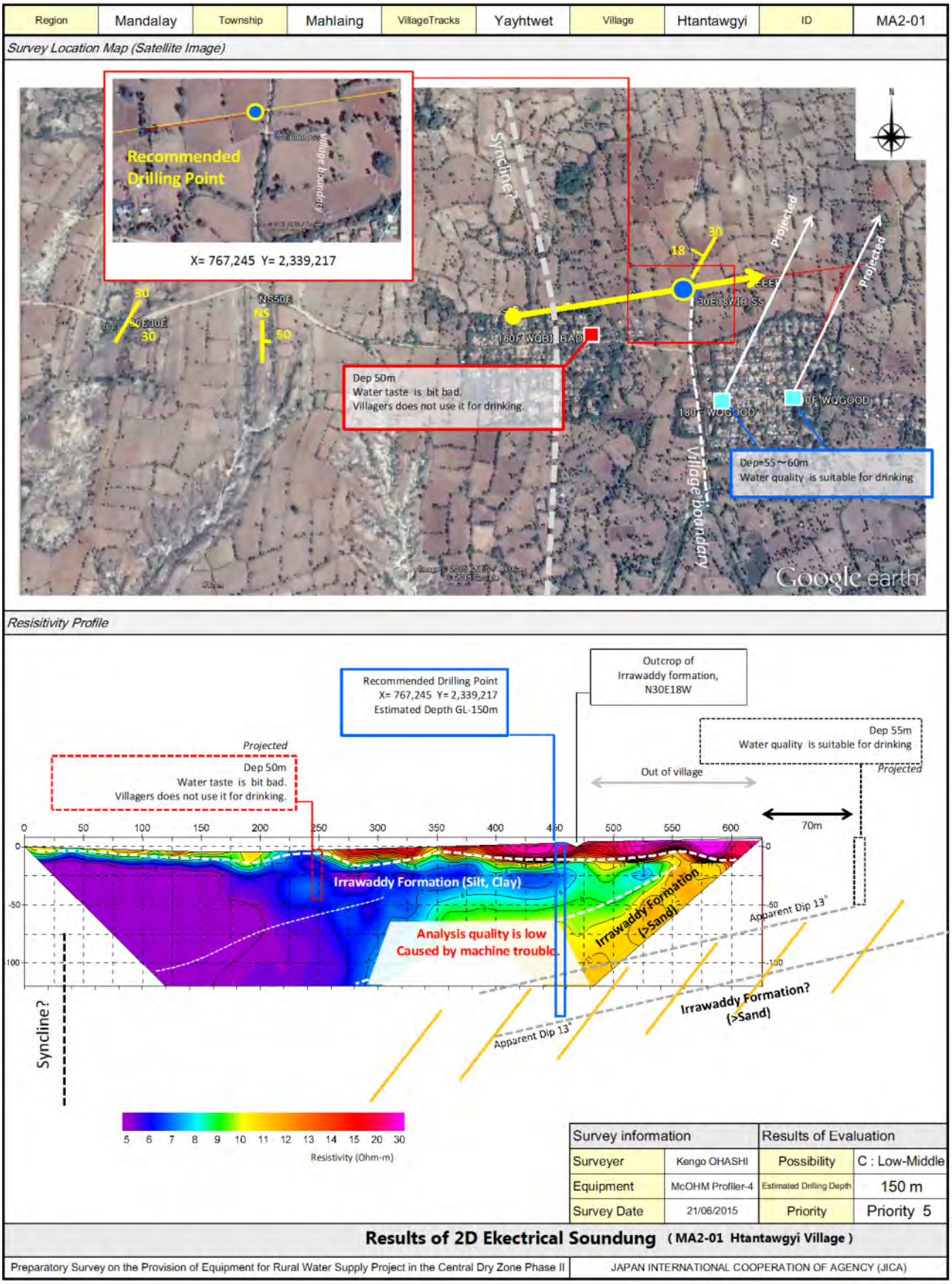
Resistivity value indicates less than 10 Ohm-m up to deep part.
It suggests existence of clay or the aquifer that has bad water quality.
Therefore, recommended drilling point is not decided.

Survey information		Results of Evaluation	
Surveyer	Kengo OHASHI	Possibility	D : No posibility
Equipment	McOHM Profiler-4	Estimated Drilling Depth	-
Survey Date	29/05/2015	Priority	-

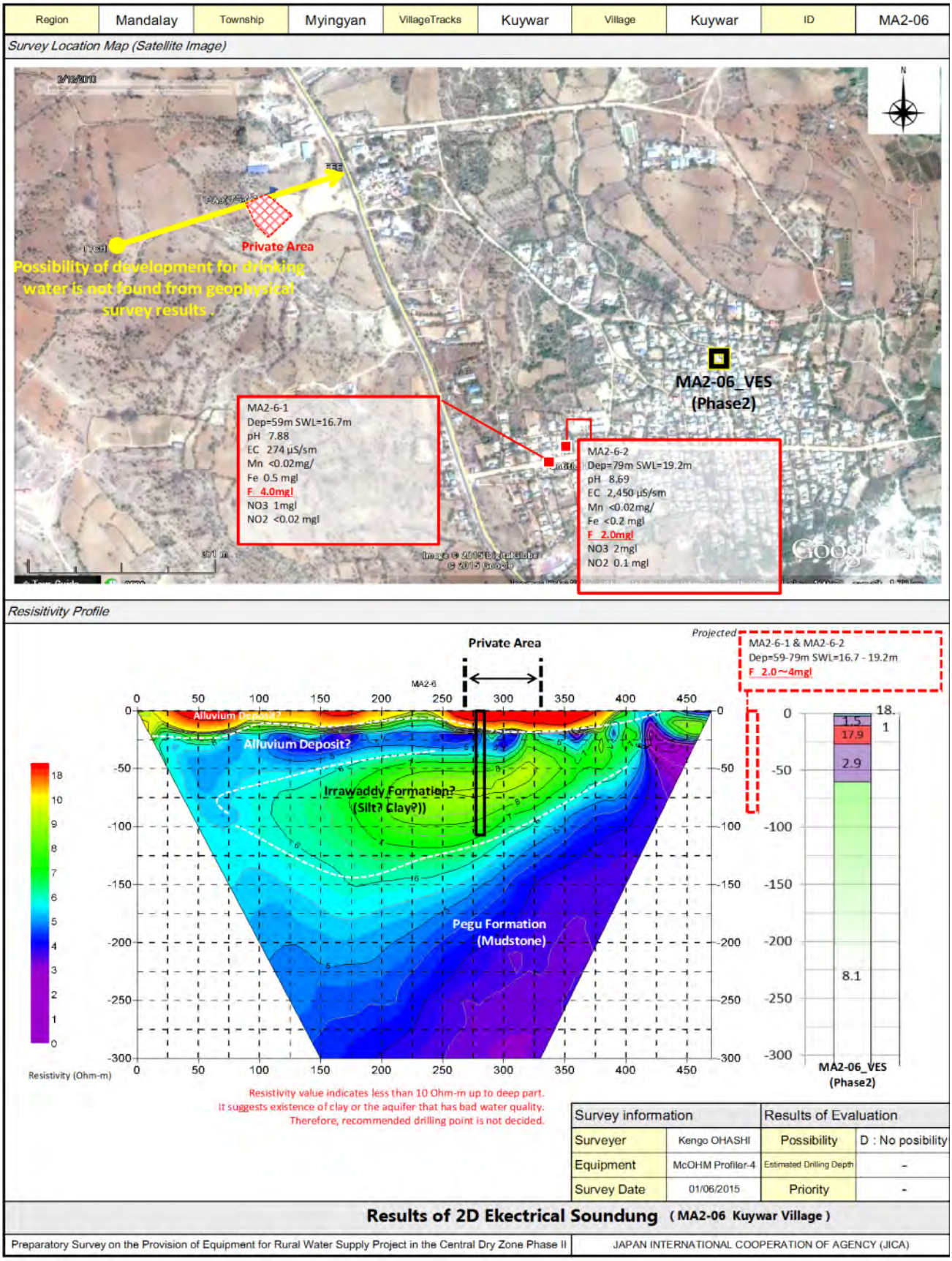
Results of 2D Ekectrical Soundung (SA2-17 Kine Village)

Preparatory Survey on the Provision of Equipment for Rural Water Supply Project in the Central Dry Zone Phase II | JAPAN INTERNATIONAL COOPERATION OF AGENCY (JICA)

SA2-17　Kine Village



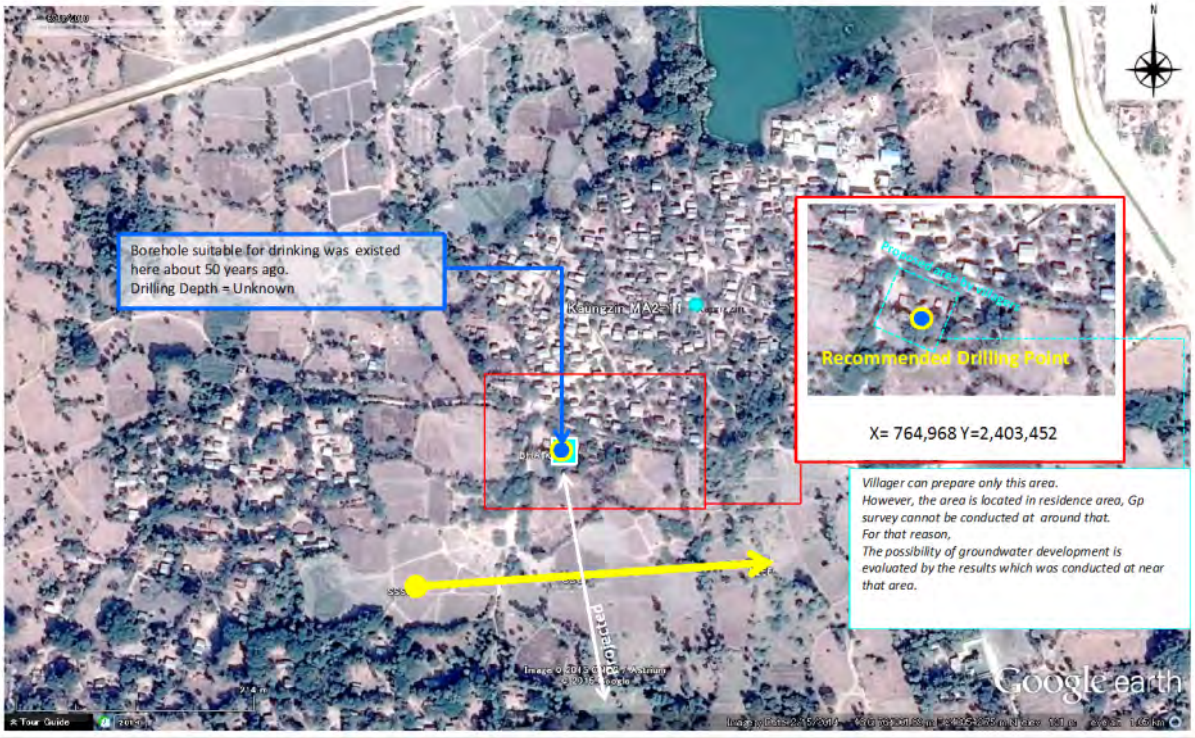
MA2-01 Htantawgyi Village



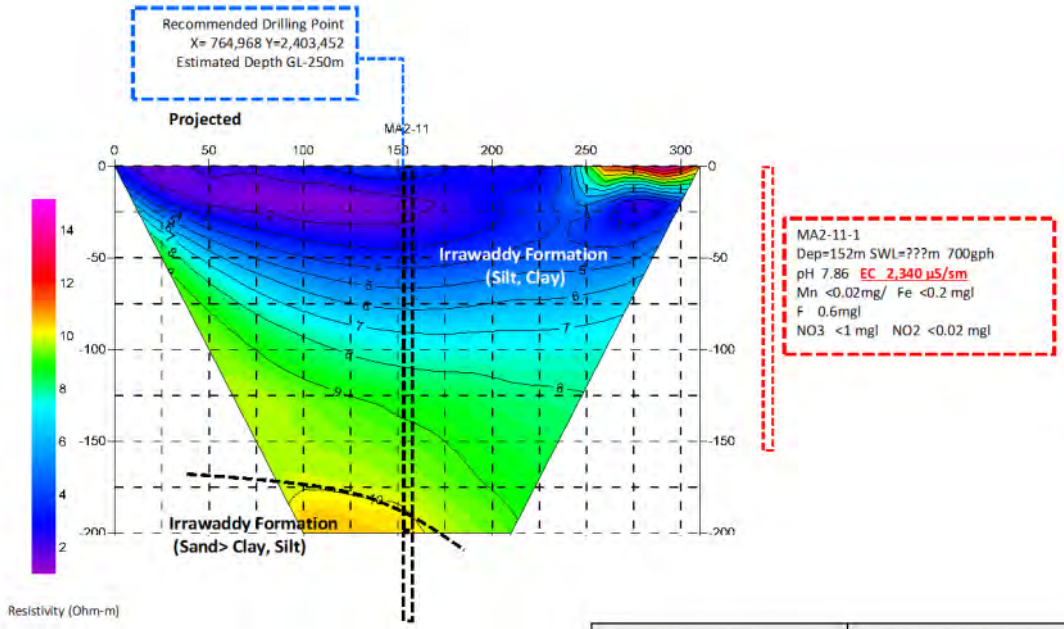
MA2-06　Kuywar Village

Region	Mandalay	Township	Ngazon	VillageTracks	Kaungzin	Village	Kaungzin	ID	MA2-11

Survey Location Map (Satellite Image)



Resisitivity Profile

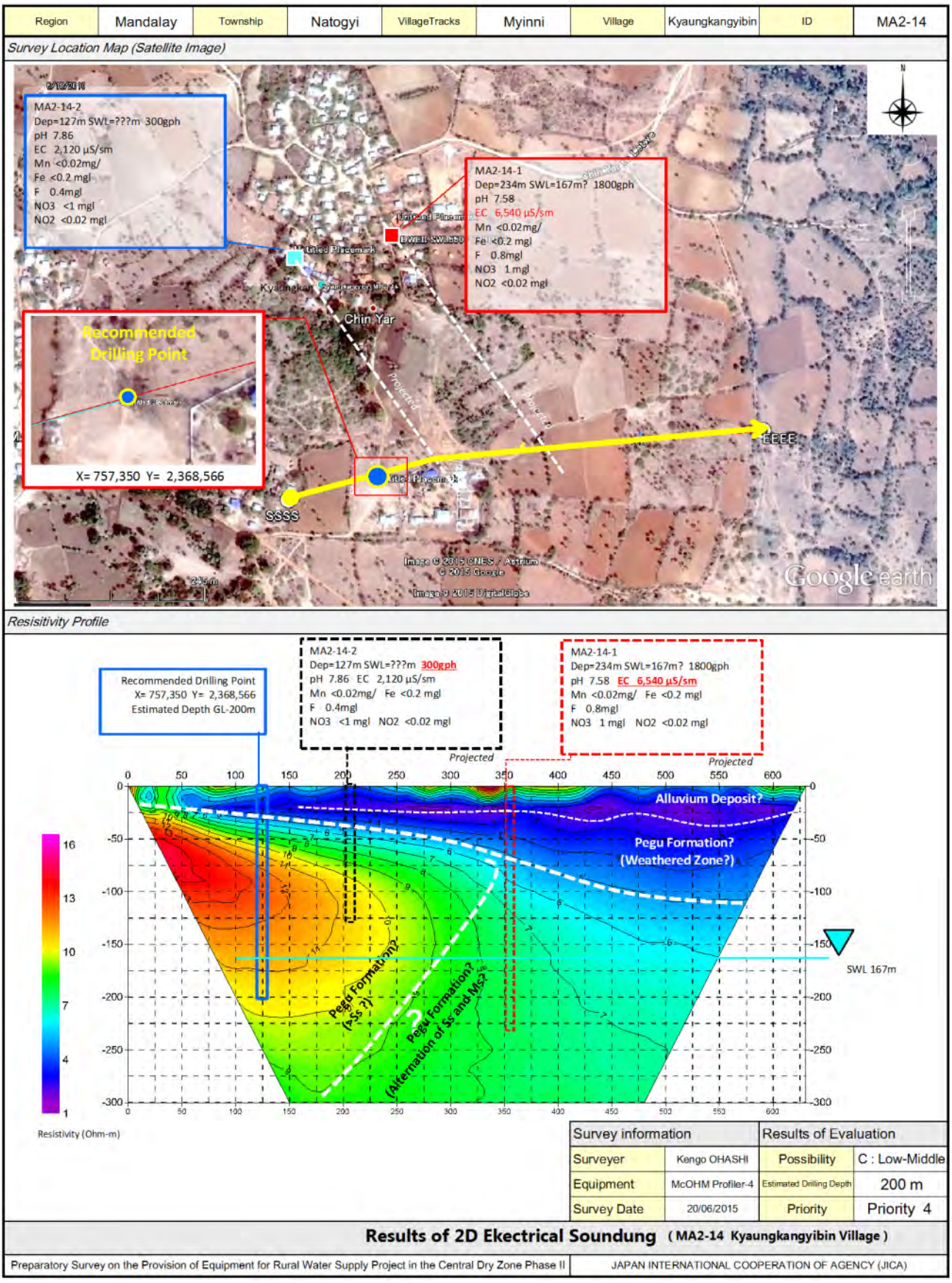


Survey information		Results of Evaluation	
Surveyer	Kengo OHASHI	Possibility	C : Low-Middle
Equipment	McOHM Profiler-4	Estimated Drilling Depth	250 m
Survey Date	22/06/2015	Priority	Priority 4

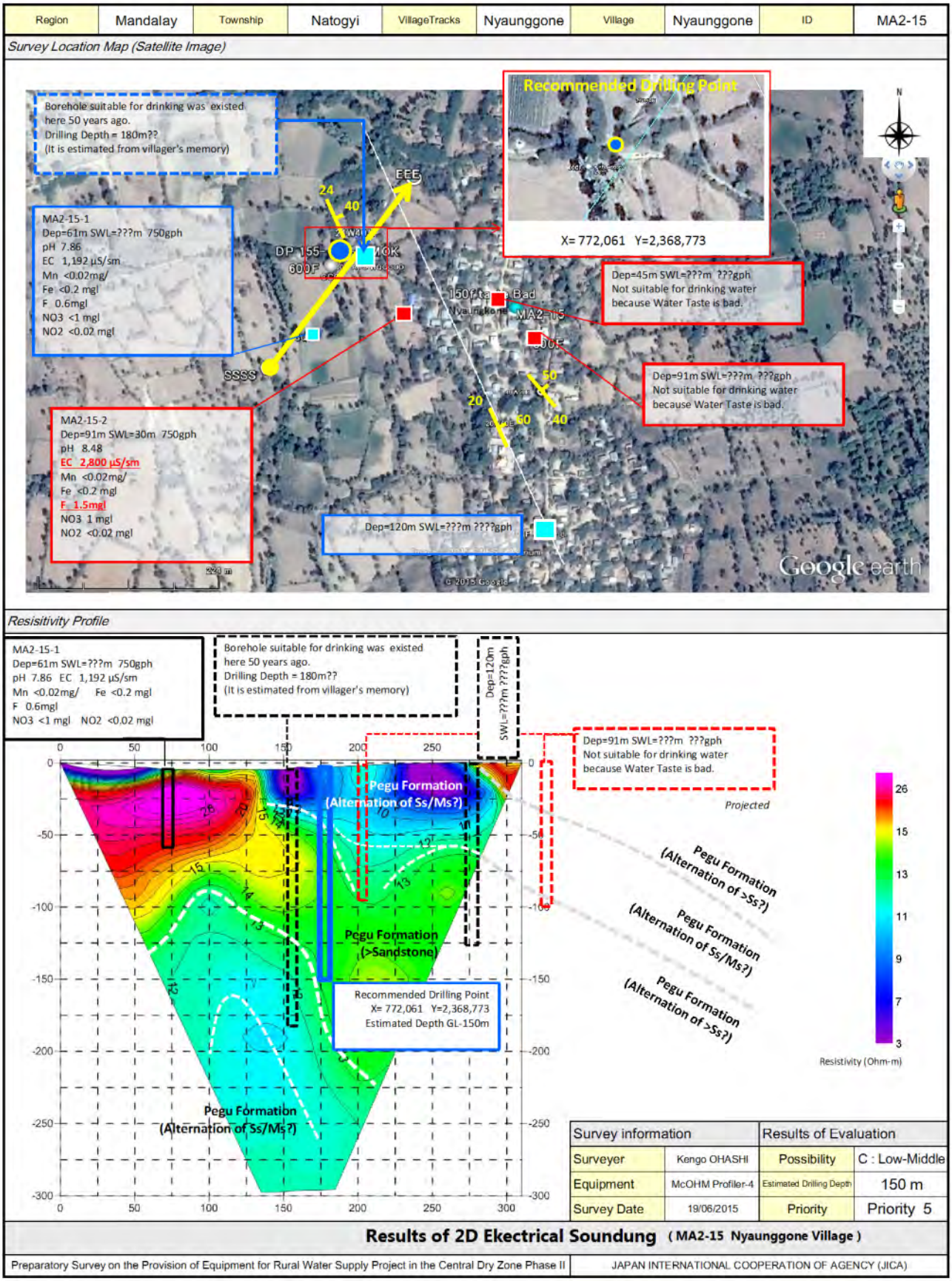
Results of 2D Ekectrical Soundung (MA2-11 Kaungzin Village)

Preparatory Survey on the Provision of Equipment for Rural Water Supply Project in the Central Dry Zone Phase II | JAPAN INTERNATIONAL COOPERATION OF AGENCY (JICA)

MA2-11 Kaungzin Village



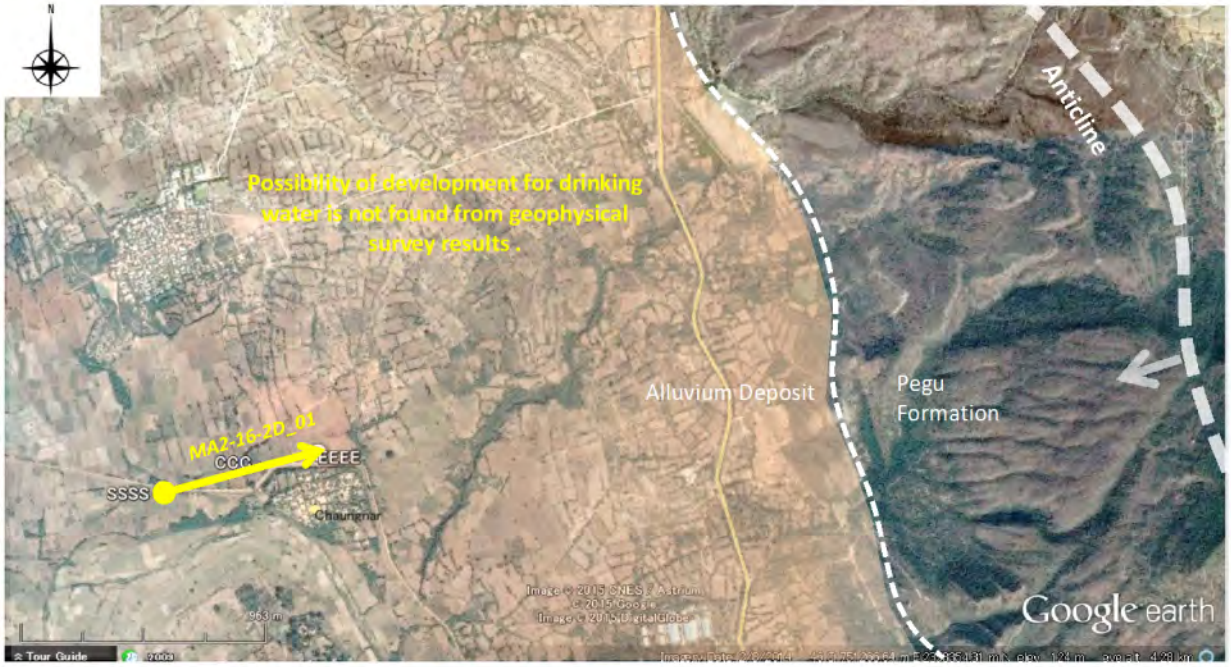
MA2-14 Kyaungkangyibin Village



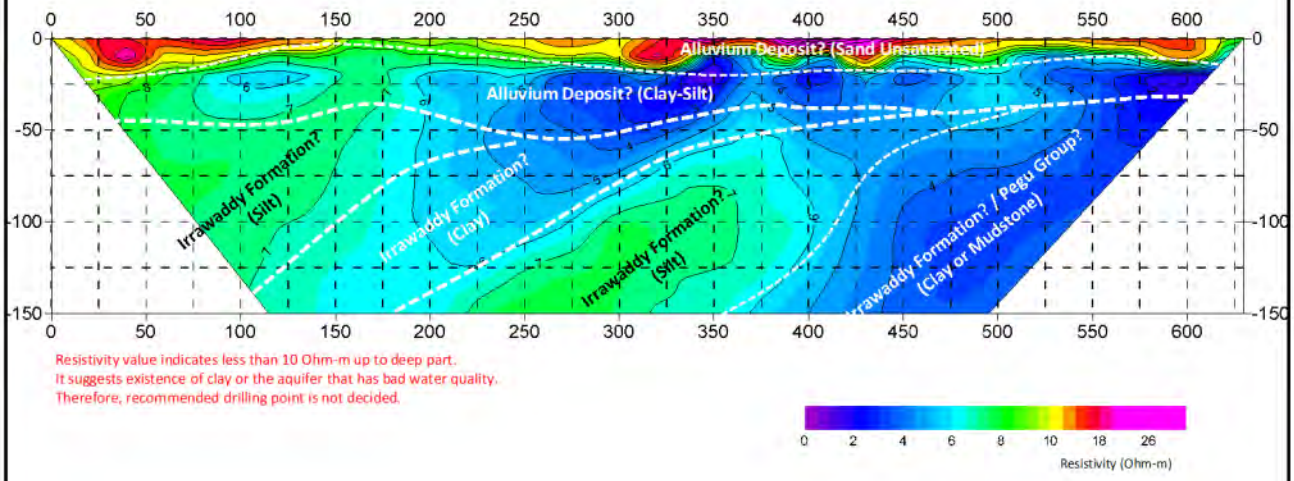
MA2-15 Nyaunggone Village

Region	Mandalay	Township	Taungtha	VillageTracks	Obo	Village	Chaungnar	ID	MA2-16

Survey Location Map (Satellite Image)



Resisitivity Profile



Survey information		Results of Evaluation	
Surveyer	Kengo OHASHI	Possibility	D : No posibility
Equipment	McOHM Profiler-4	Estimated Drilling Depth	-
Survey Date	14/06/2015	Priority	-

Results of 2D Ekectrical Soundung (MA2-16 Chaungnar Village)

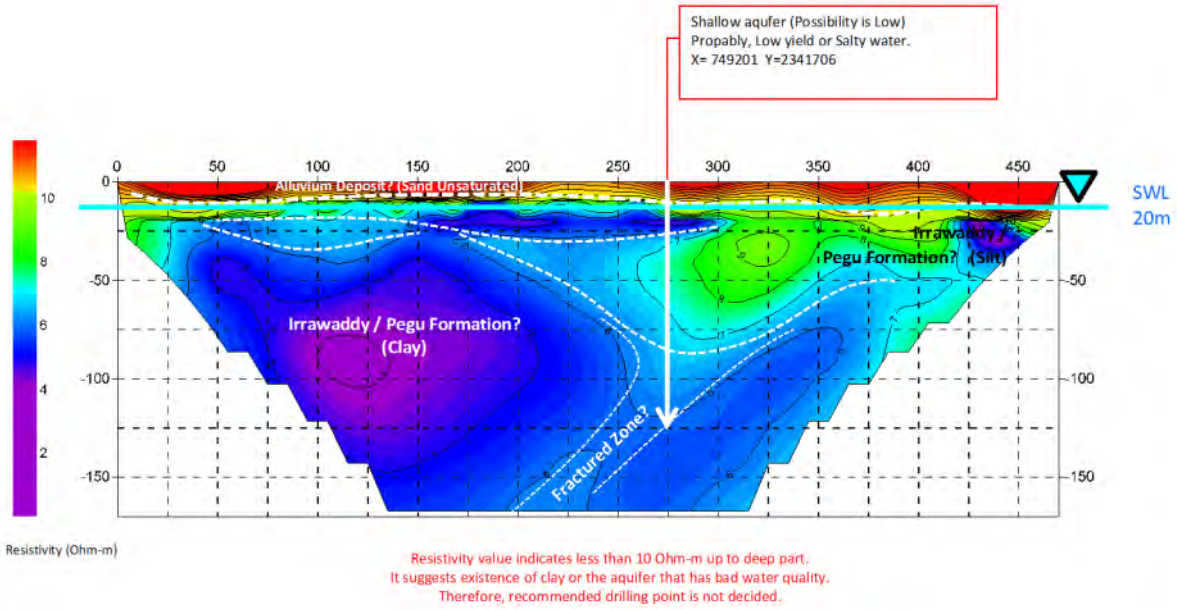
Preparatory Survey on the Provision of Equipment for Rural Water Supply Project in the Central Dry Zone Phase II | JAPAN INTERNATIONAL COOPERATION OF AGENCY (JICA)

MA2-16　Chaungnar Village

Region	Mandalay	Township	Taungtha	VillageTracks	Kyaukkar	Village	Kyaukkartaungkone	ID	MA2-18

Survey Location Map (Satellite Image)

Resisitivity Profile



Resistivity value indicates less than 10 Ohm-m up to deep part.
It suggests existence of clay or the aquifer that has bad water quality.
Therefore, recommended drilling point is not decided.

Survey information		Results of Evaluation	
Surveyer	Kengo OHASHI	Possibility	D : No posibility
Equipment	McOHM Profiler-4	Estimated Drilling Depth	-
Survey Date	16/06/2015	Priority	-

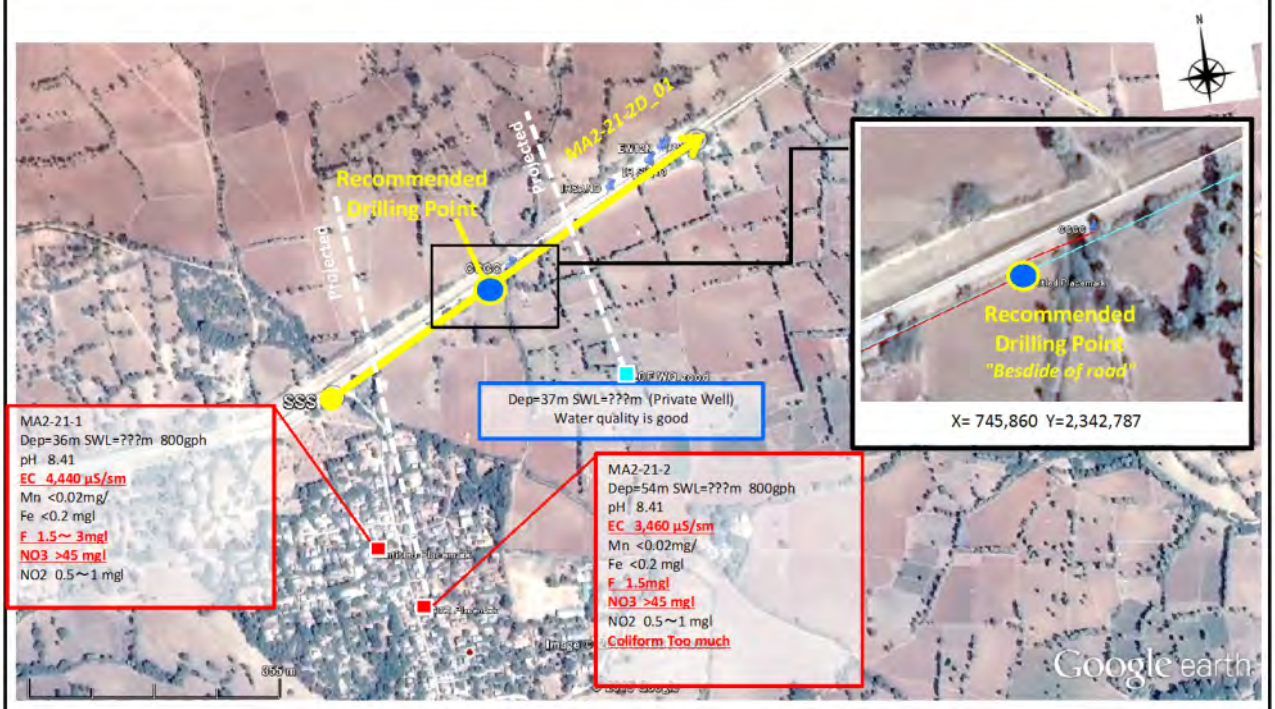
Results of 2D Ekectrical Soundung (MA2-18 Kyaukkartaungkone Village)

Preparatory Survey on the Provision of Equipment for Rural Water Supply Project in the Central Dry Zone Phase II | JAPAN INTERNATIONAL COOPERATION OF AGENCY (JICA)

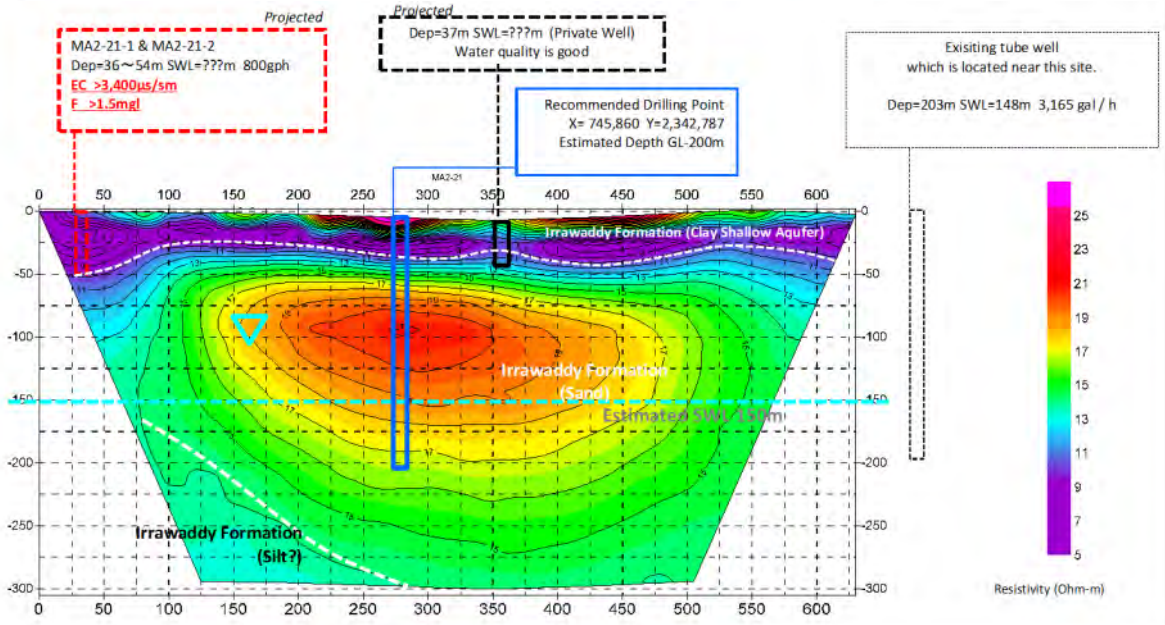
MA2-18　Kyaukkartaungkone Village

Region	Mandalay	Township	Taungtha	VillageTracks	Tharyarmyaing	Village	Tharyarmyaing	ID	MA2-21

Survey Location Map (Satellite Image)



Resisitivity Profile

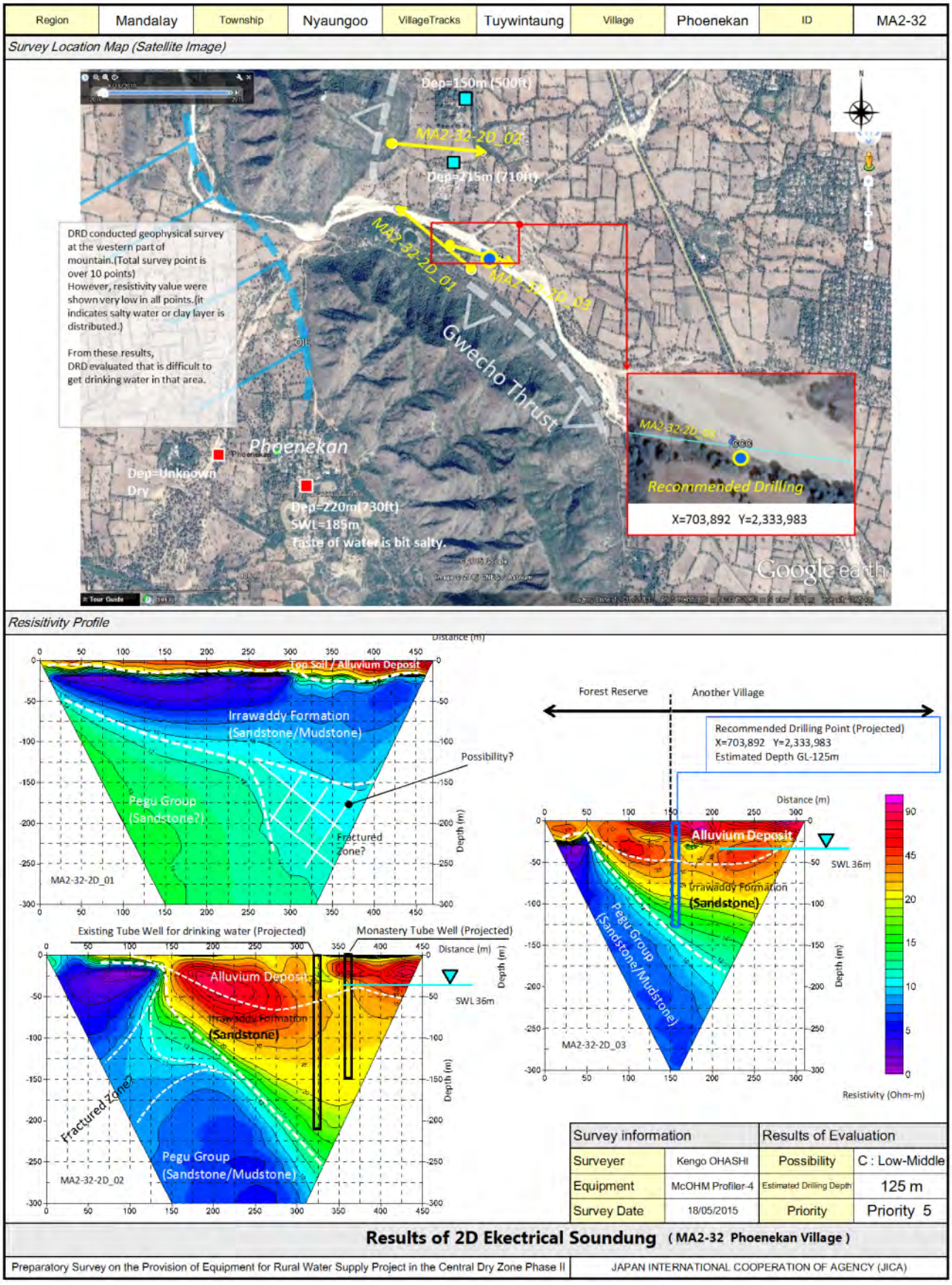


Survey information		Results of Evaluation	
Surveyer	Kengo OHASHI	Possibility	B : Middle
Equipment	McOHM Profiler-4	Estimated Drilling Depth	200 m
Survey Date	17/06/2015	Priority	Priority 3

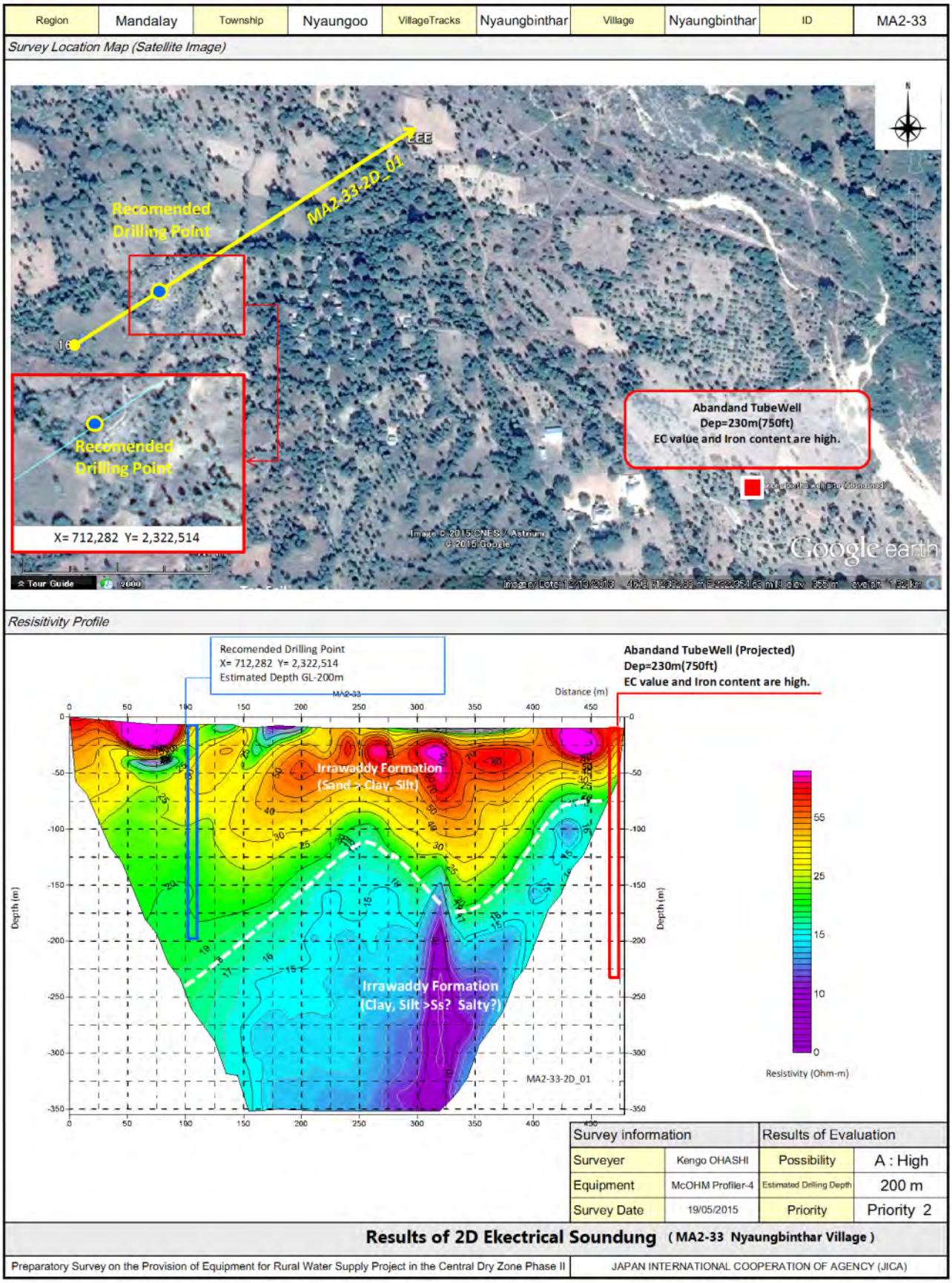
Results of 2D Ekectrical Soundung (MA2-21 Tharyarmyaing Village)

Preparatory Survey on the Provision of Equipment for Rural Water Supply Project in the Central Dry Zone Phase II — JAPAN INTERNATIONAL COOPERATION OF AGENCY (JICA)

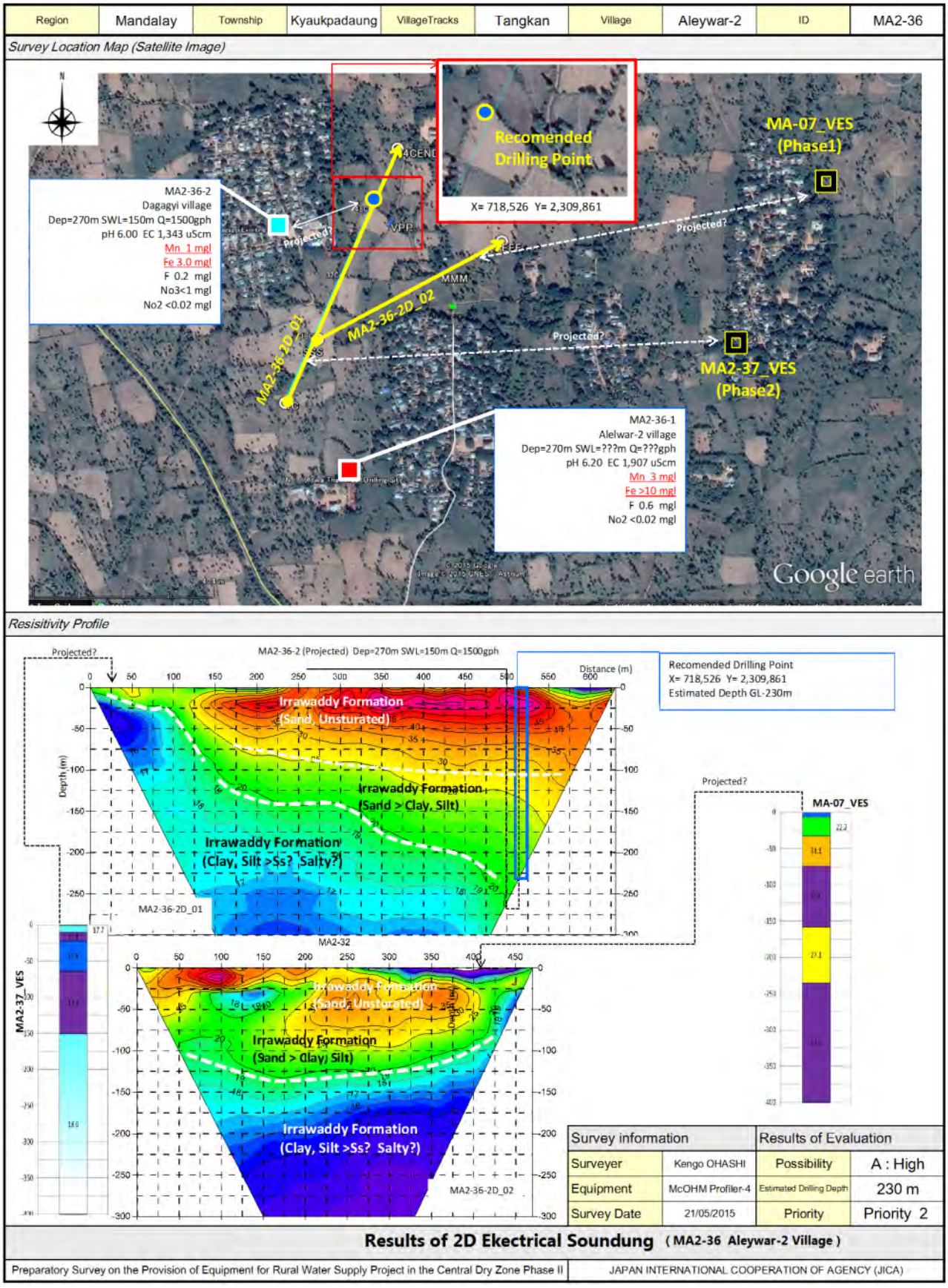
MA2-21 Tharyarmyaing Village



MA2-32　Phoenekan Village



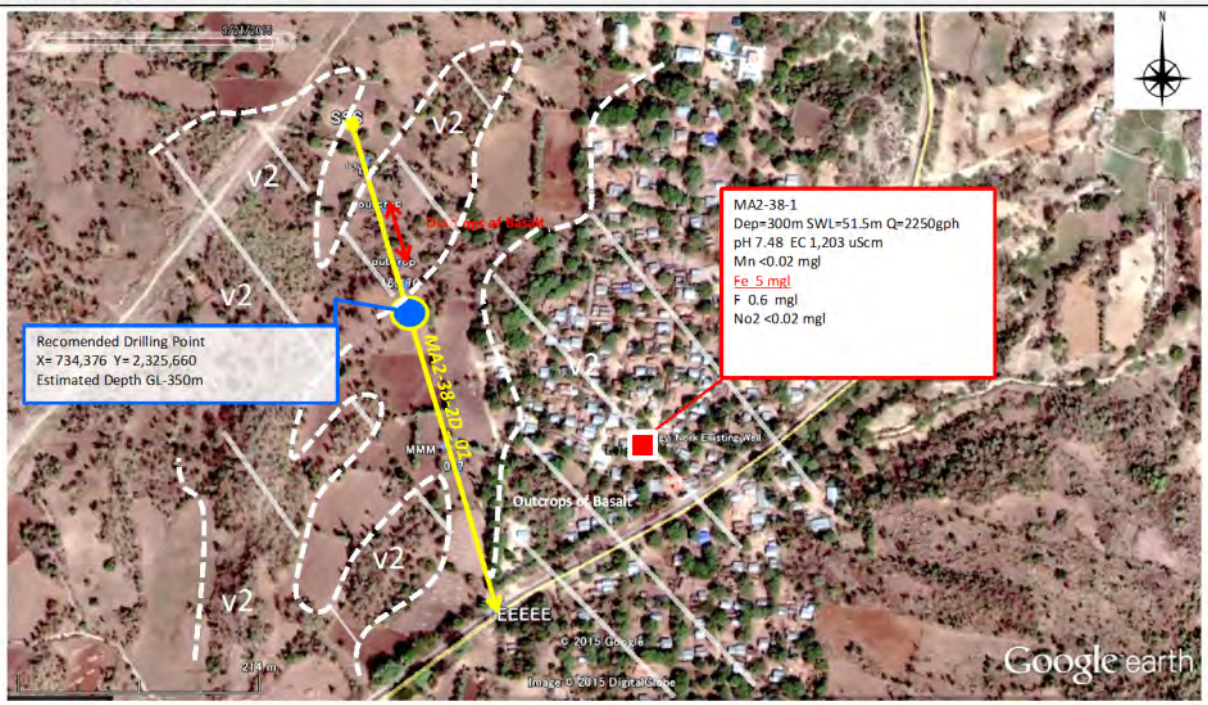
MA2-33　Nyaungbinthar Village



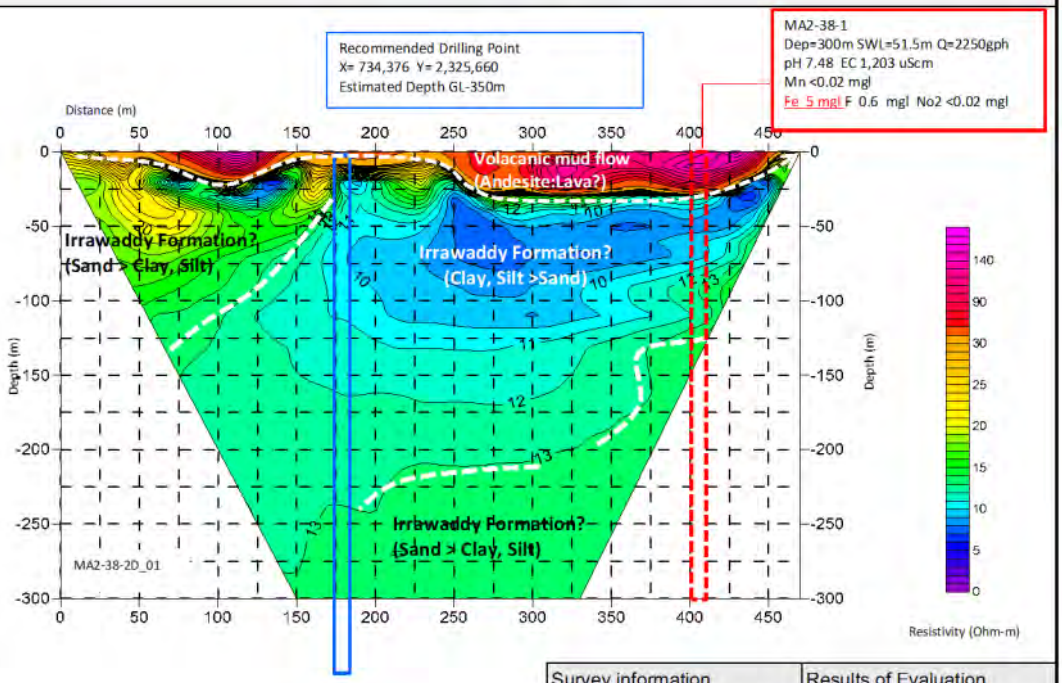
MA2-36　Aleywar-2 Village

Region	Mandalay	Township	Kyaukpadaung	VillageTracks	Lelgyi(N)	Village	Lelgyi(Ma)	ID	MA2-38

Survey Location Map (Satellite Image)



Resisitivity Profile

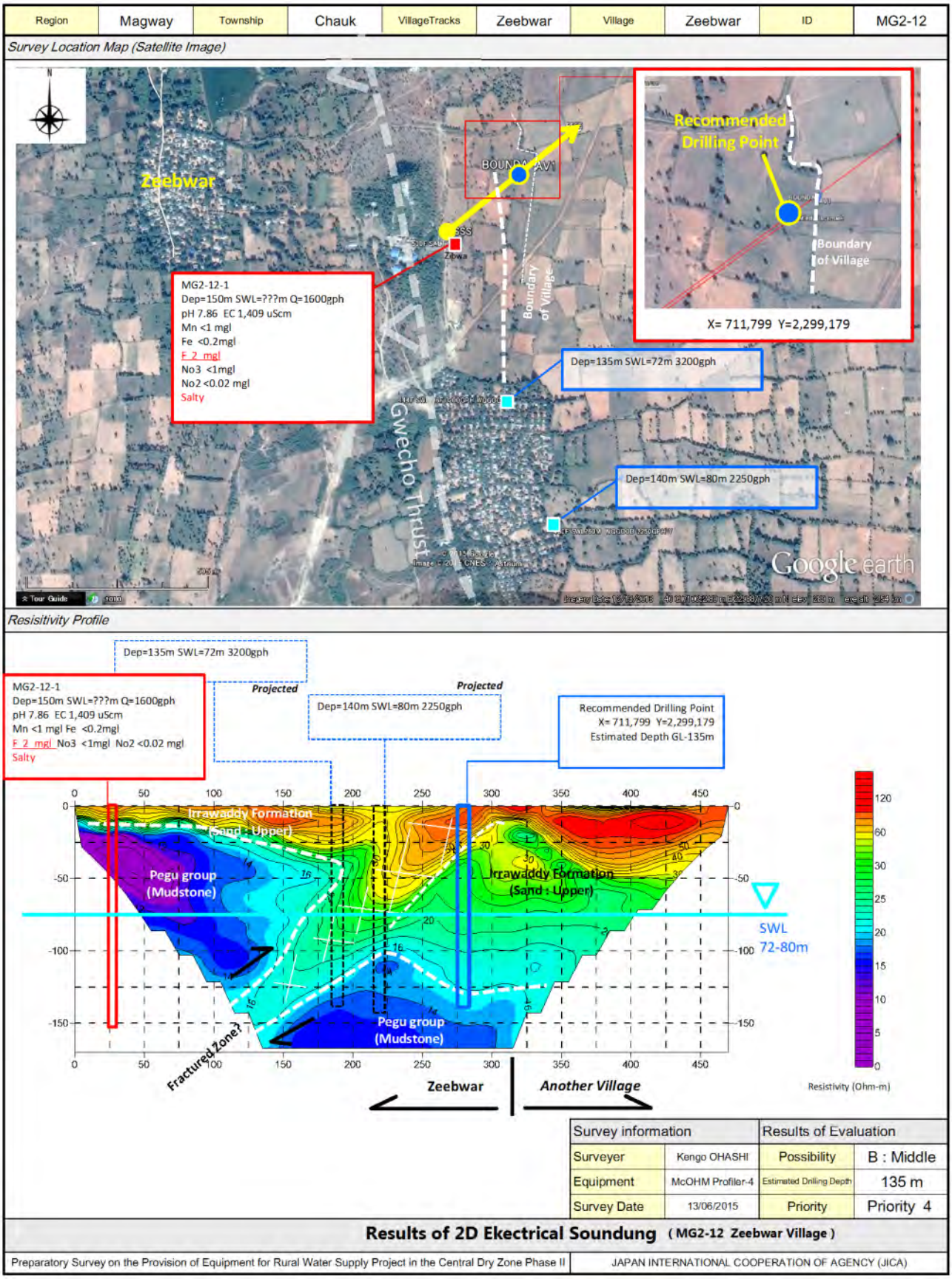


Survey information		Results of Evaluation	
Surveyer	Kengo OHASHI	Possibility	C : Low-Middle
Equipment	McOHM Profiler-4	Estimated Drilling Depth	350 m
Survey Date	22/05/2015	Priority	Priority 3

Results of 2D Ekectrical Soundung (MA2-38 Lelgyi(Ma) Village)

Preparatory Survey on the Provision of Equipment for Rural Water Supply Project in the Central Dry Zone Phase II | JAPAN INTERNATIONAL COOPERATION OF AGENCY (JICA)

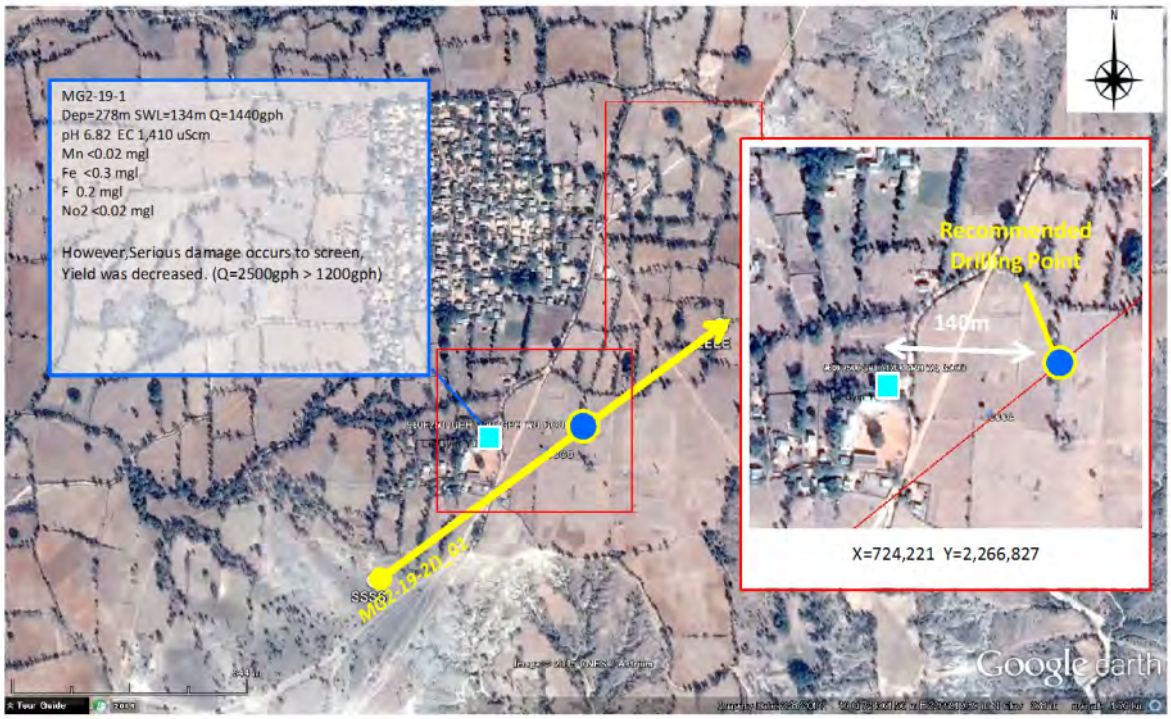
MA2-38 Lelgyi(Ma) Village



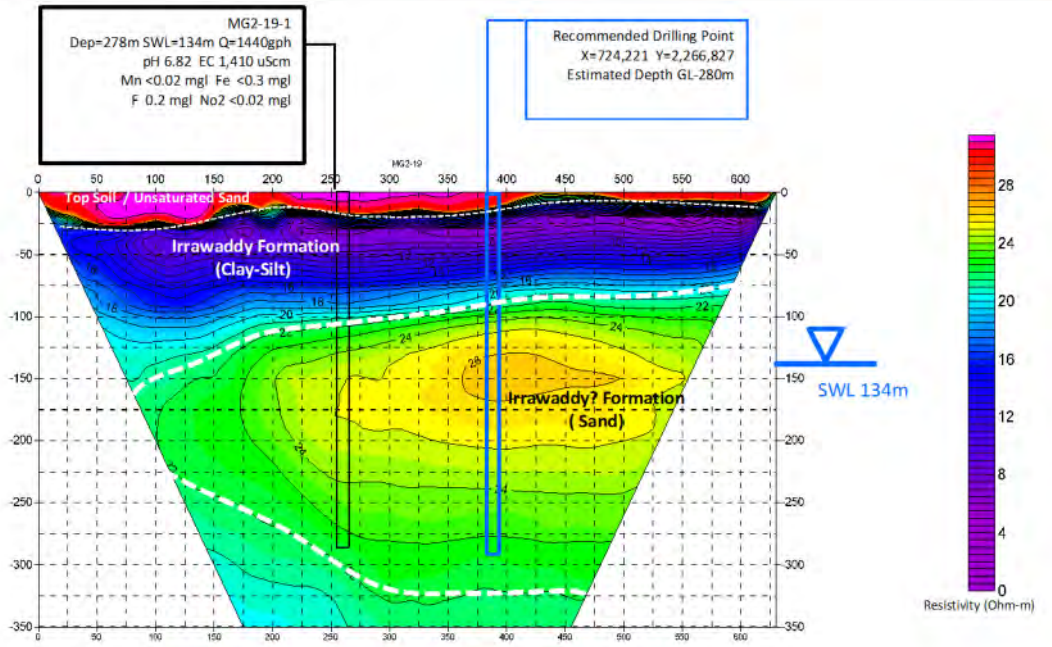
MG2-12 Zeebwar Village

Region	Magway	Township	Yenangyaung	VillageTracks	Indaw	Village	Legyinyo	ID	MG2-19

Survey Location Map (Satellite Image)



Resisitivity Profile



Survey information		Results of Evaluation	
Surveyer	Kengo OHASHI	Possibility	A : High
Equipment	McOHM Profiler-4	Estimated Drilling Depth	280 m
Survey Date	10/06/2015	Priority	Priority 2

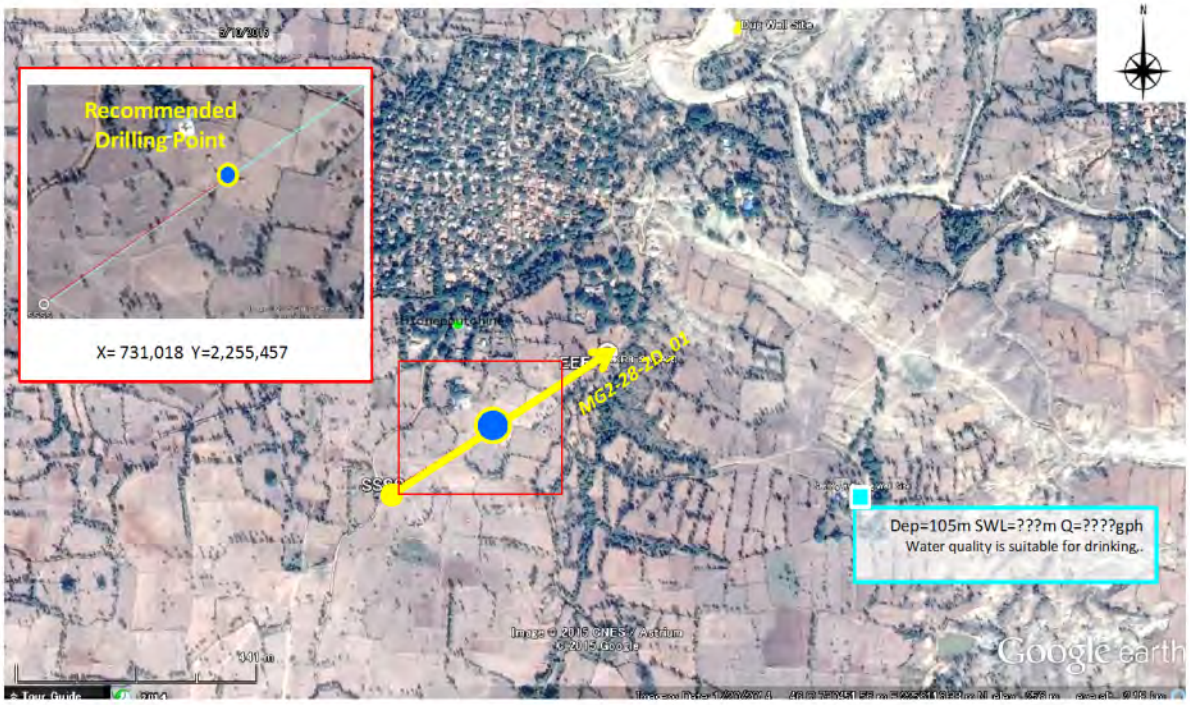
Results of 2D Ekectrical Soundung (MG2-19 Legyinyo Village)

Preparatory Survey on the Provision of Equipment for Rural Water Supply Project in the Central Dry Zone Phase II | JAPAN INTERNATIONAL COOPERATION OF AGENCY (JICA)

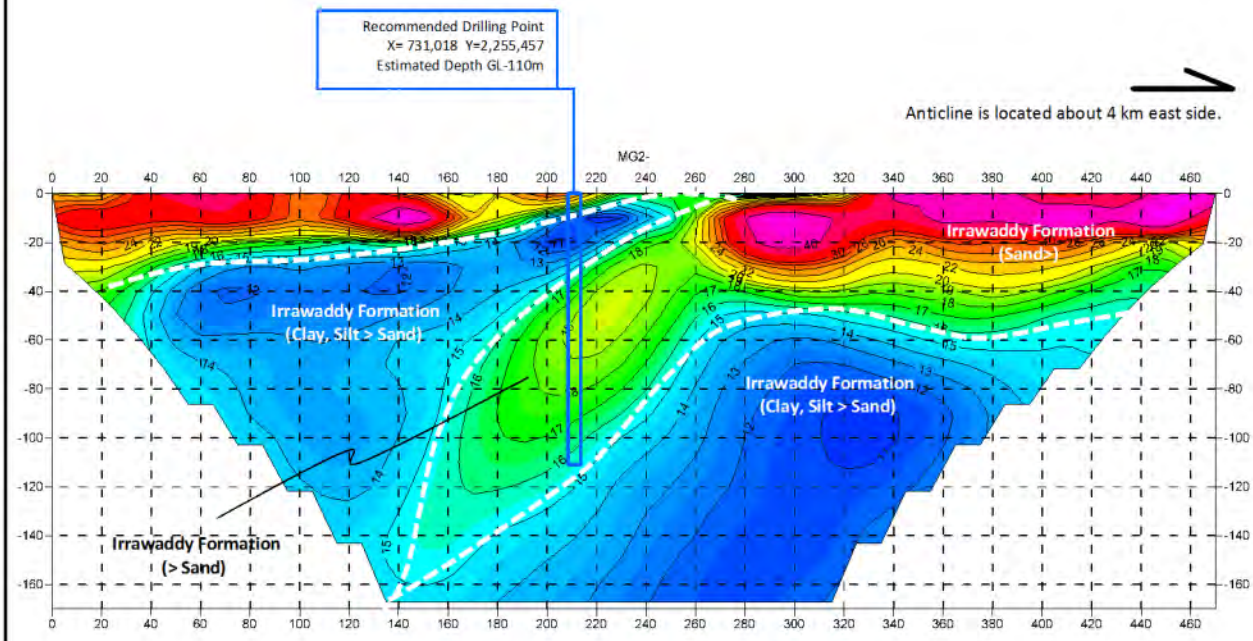
MG2-19　Legyinyo Village

Region	Magway	Township	Natmauk	VillageTracks	Htonepoutchine	Village	Htonepoutchine	ID	MG2-28

Survey Location Map (Satellite Image)



Resisitivity Profile



Survey information		Results of Evaluation	
Surveyer	Kengo OHASHI	Possibility	B : Middle
Equipment	McOHM Profiler-4	Estimated Drilling Depth	110 m
Survey Date	07/06/2015	Priority	Priority 4

Results of 2D Ekectrical Soundung (MG2-28 Htonepoutchine Village)

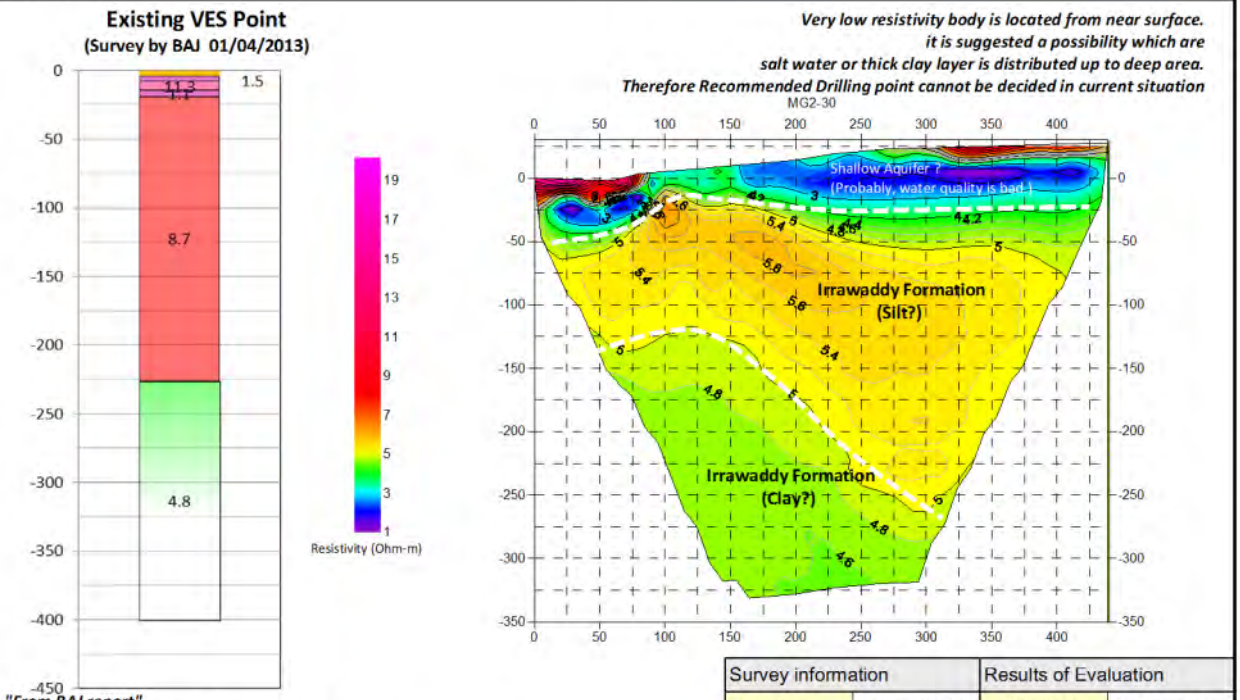
Preparatory Survey on the Provision of Equipment for Rural Water Supply Project in the Central Dry Zone Phase II | JAPAN INTERNATIONAL COOPERATION OF AGENCY (JICA)

MG2-28　Htonepoutchine Village

Region	Magway	Township	Natmauk	VillageTracks	Sellel	Village	Sellel	ID	MG2-30

Survey Location Map (Satellite Image)

Resisitivity Profile



"From BAJ report"
According to the resistivity structure of VES survey and cross section, we can be expecting the water from 5th.But resistivity is too low this means water yield water quality problem.

Survey information		Results of Evaluation	
Surveyer	Kengo OHASHI	Possibility	D : No posibility
Equipment	McOHM Profiler-4	Estimated Drilling Depth	-
Survey Date	09/06/2015	Priority	-

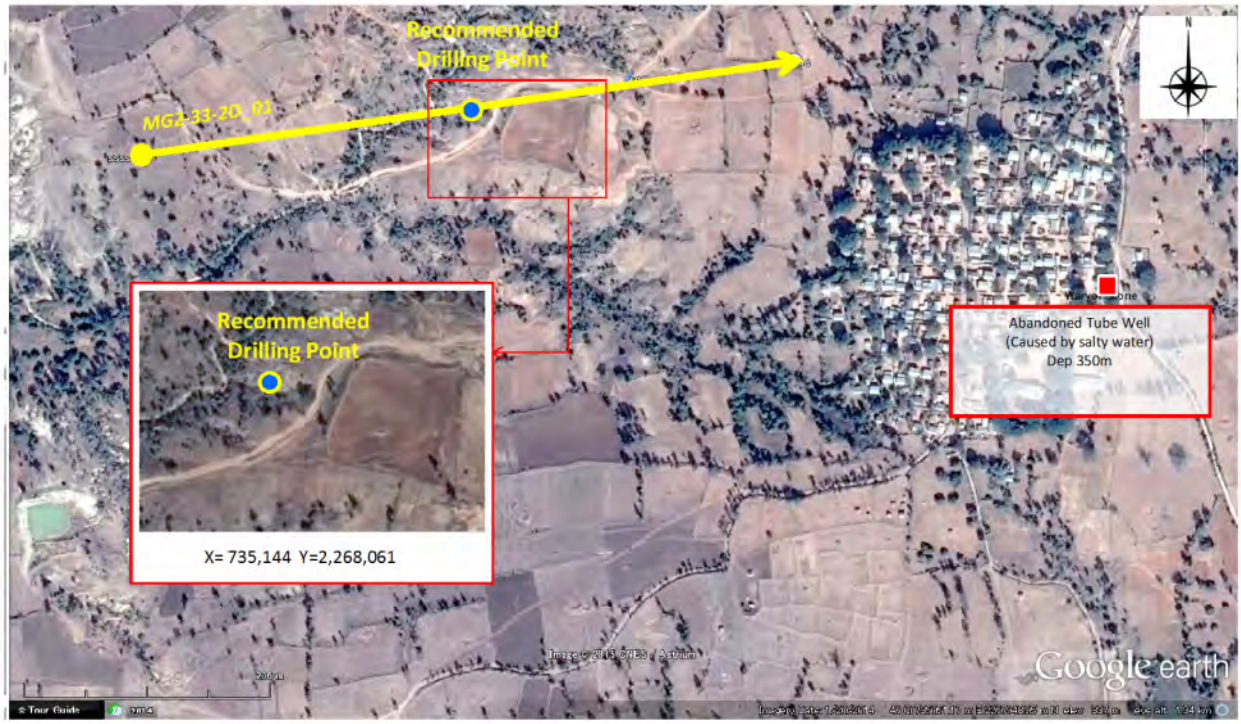
Results of 2D Ekectrical Soundung (MG2-30 Sellel Village)

Preparatory Survey on the Provision of Equipment for Rural Water Supply Project in the Central Dry Zone Phase II | JAPAN INTERNATIONAL COOPERATION OF AGENCY (JICA)

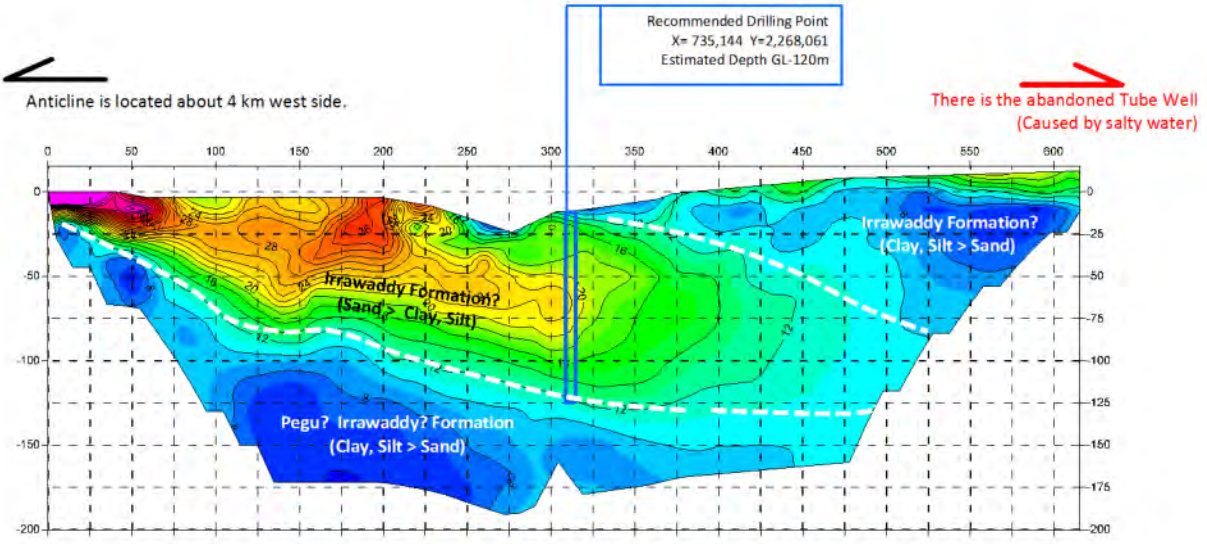
MG2-30　Sellel Village

Region	Magway	Township	Natmauk	VillageTracks	Wayonegone	Village	Wayonegone	ID	MG2-33

Survey Location Map (Satellite Image)



Resisitivity Profile

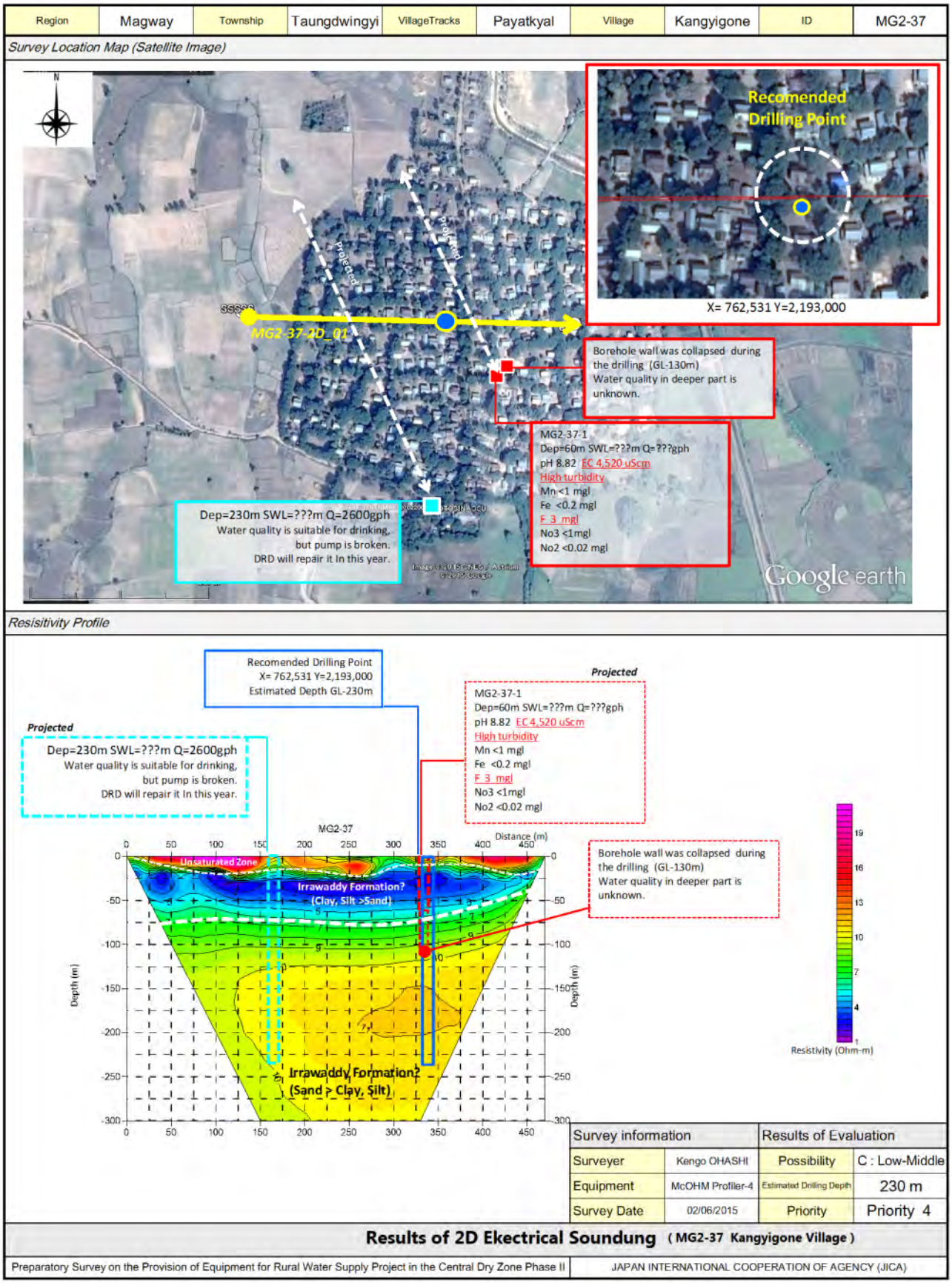


Survey information		Results of Evaluation	
Surveyer	Kengo OHASHI	Possibility	C : Low-Middle
Equipment	McOHM Profiler-4	Estimated Drilling Depth	120 m
Survey Date	05/06/2015	Priority	Priority 5

Results of 2D Ekectrical Soundung (MG2-33 Wayonegone Village)

Preparatory Survey on the Provision of Equipment for Rural Water Supply Project in the Central Dry Zone Phase II | JAPAN INTERNATIONAL COOPERATION OF AGENCY (JICA)

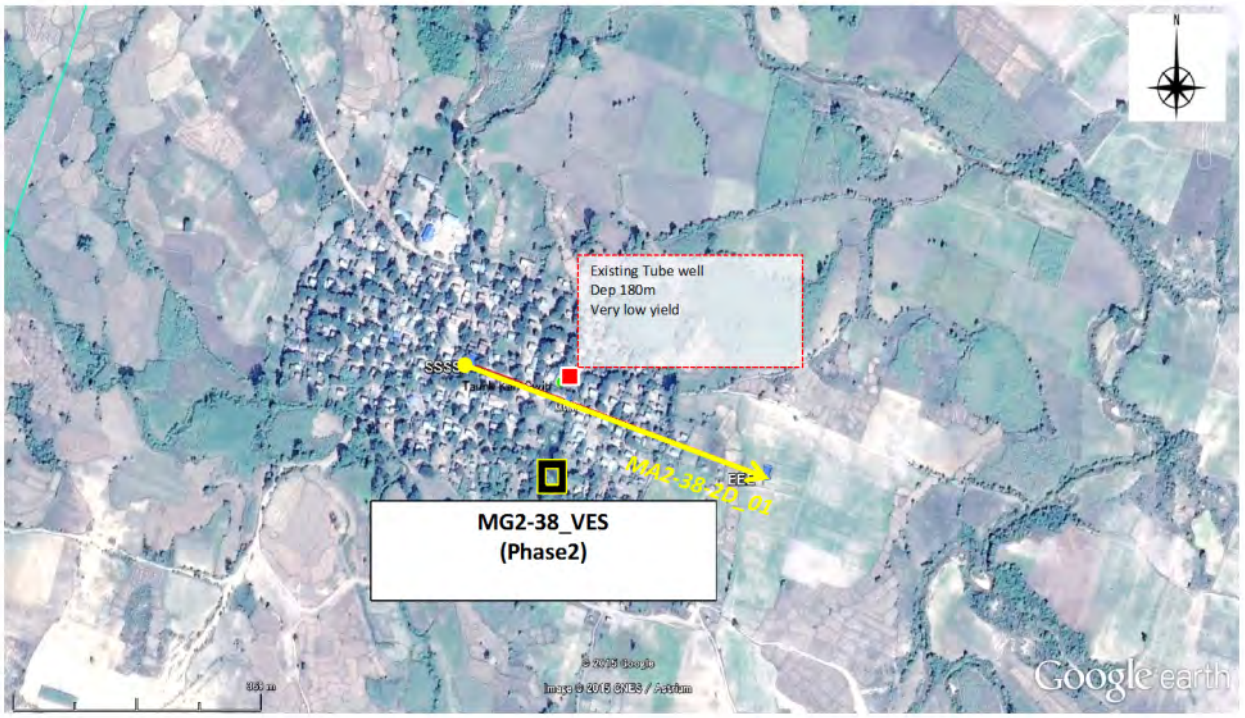
MG2-33　Wayonegone Village



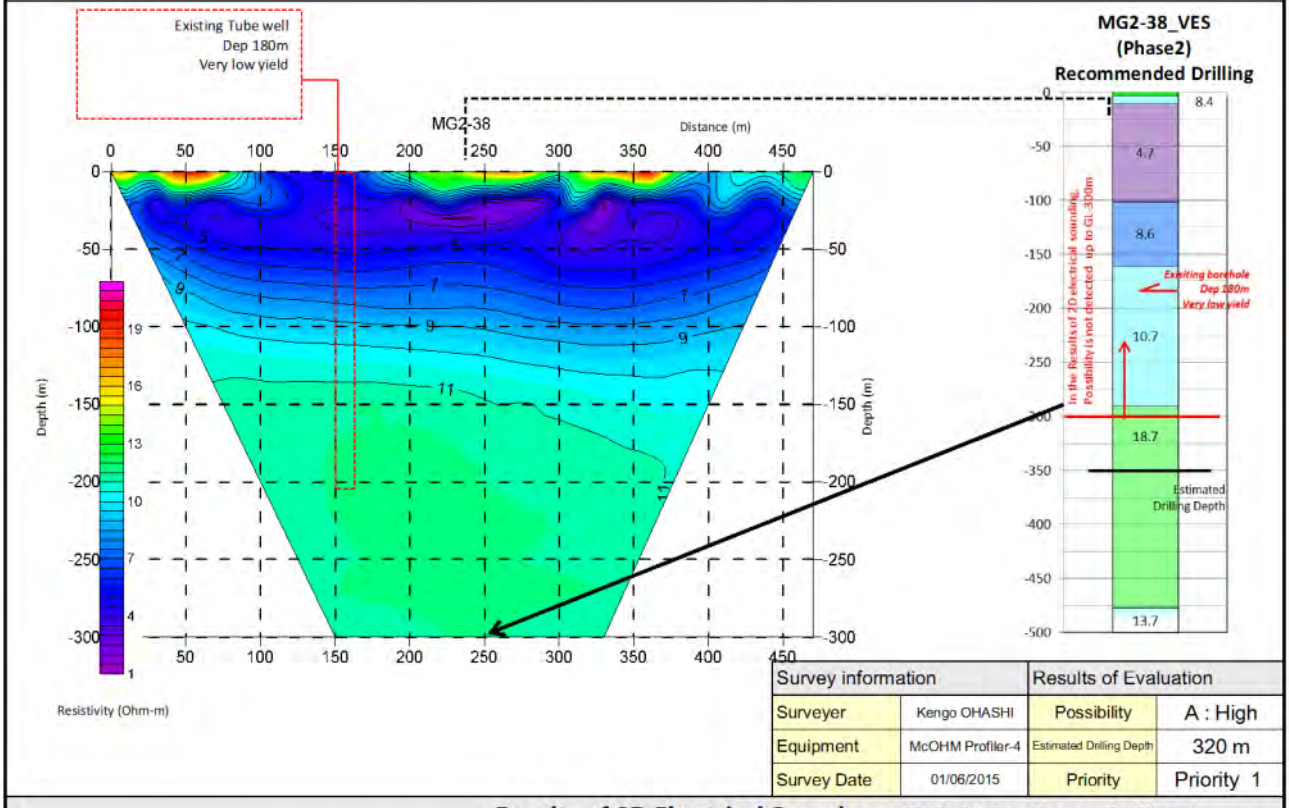
MG2-37　Kangyigone Village

Region	Magway	Township	Taungdwingyi	VillageTracks	Warthonepyu	Village	Htaukkyantgwin	ID	MG2-38

Survey Location Map (Satellite Image)



Resisitivity Profile



Survey information		Results of Evaluation	
Surveyer	Kengo OHASHI	Possibility	A : High
Equipment	McOHM Profiler-4	Estimated Drilling Depth	320 m
Survey Date	01/06/2015	Priority	Priority 1

Results of 2D Ekectrical Soundung (MG2-38 Htaukkyantgwin Village)

Preparatory Survey on the Provision of Equipment for Rural Water Supply Project in the Central Dry Zone Phase II | JAPAN INTERNATIONAL COOPERATION OF AGENCY (JICA)

MG2-38　Htaukkyantgwin Village

5.2.3 村落対象村落における地下水開発評価

物理探査結果一覧表（ザガイン地域）

Region	No.	Township	Village Tracks	Villages	ID	Results of Geophysical Survey						Estimated Drilling Depth (m)	Estimated SWL 8m)	Recommended Screen range	Evaluation for possibility	Priority
						Survey Method	Surveyor	Estimated Results of Target Aquifer								
								Distribution Depth (m)	Resistivity Value (Ω-m)	Thickness (m)	Remarks					
Sagaing	1	Budalin	Htanaungkone	Yonedaw	SA2-01	VES	DRD	>115	12.7	45	Drilling depth is decided by information of existing tube well.	160	40	18m	C	Priority 5
	2		Ngapayin	Nyaungbinthar	SA2-02	VES	DRD	70 - 176	20.2	90	Drilling depth is decided by existing tube well which is located near the site.	160	40	12m	A	Priority 3
	3		Maunghtaung	Maunghtaung	SA2-03	VES	DRD	>120	42.9	30	Potential of upper aquifer(40.5-120.5m) is low, and water quality has little problem. (Salty)	150	40	12m	B	Priority 4
	4		Ywarthit	Kantawthar	SA2-04	VES	DRD	>39	12.9 - 48.5	85	Drilling depth is decided by information of existing tube well.	125	39	18m	C	Priority 5
	5		Konethar	Mhonehtoo	SA2-05	VES	DRD	60 - 108	24.1	40	There is the possibility that the water quality worsens at 100m or lower.	100	30	12m	A	Priority 3
	6		Watluu-I	Watluu-I	SA2-06	VES	DRD	36 - 101	11.7	64	It is expected that capacity of target aquifers is low.	100	36	18m	C	Priority 5
	7	Chaungoo	Thanbinkan	Thanbinkan	SA2-07	VES	DRD	49 - 200	37.2 - 17	101	Drilling depth is decided by information of existing tube well.	150	70	12m	A	Priority 3
	8		Natyaygan	Natyaygan	SA2-08	VES	DRD	>170	16.8	30	Main selection basis of drilling depth is resistivity value.	200	61	18m	B	Priority 3
	9	Ayadaw	Ngarrtowma	Sithar	SA2-09	VES	DRD	44 - 137	18.9	56	Drilling depth is decided by information of existing tube well.	100	44	12m	A	Priority 3
	10		Leinhla	Oakkan	SA2-10	VES	DRD	54 - 277	11.9	176	Drilling depth is decided by information of existing tube well.	230	3	18m	C	Priority 4
	11		Warryaung	Warryaung	SA2-11	VES	DRD	>165	18.2	85	Drilling depth is decided by information of existing tube well.	250	55	12m	A	Priority 2
	12		Yechinn	Warrtannkalay	SA2-12	VES	DRD	43 -102	11.4	62	Drilling depth is decided by information of existing tube well.	105	43	18m	C	Priority 5
	13		Nyaungchayhtauk	Yathar	SA2-13	VES	DRD	-	<10	-	-	-	-	-	D	-
	14		Warryaung	Zeepinfel	SA2-14	VES	DRD	75 - 129	25.2	55	It is expected that capacity of target aquifers is low.	130	50	18m	C	Priority 5
	15	Salingyi	Yonebinyoe	Yonebinyoe	SA2-15	VES	DRD	-	<10	-	-	-	-	-	D	-
	16			Minntaw	SA2-16	VES	DRD	74 - 172	40.5	96	It is assumed that water quality is not suitable for drinking at the shallow part of target aquifer.	170	40	12m	B	Priority 4
	17		Moe Kyo Pyin	Kine	SA2-17	VES/2D	DRD/ESS	-	<10	-	-	-	-	-	D	-
	18	Myinmu	Kalarpyan	Kalarpyan	SA2-18	VES	DRD	>161	21.6	39	It is assumed that water quality is not suitable for drinking at the shallow part of target aquifer.	200	36	12m	A	Priority 2
	19		Nyaungbinkan	Hlayookan	SA2-19	VES	DRD	121 -197	14.3	74	From existing borehole,It is expected that capacity of target aquifers is low.	195	121	18m	C	Priority 4
	21		Latpankyin	Watkya	SA2-21	VES	DRD	>168	11.4	32	Main selection basis of drilling depth is resistivity value.	200	36	18m	C	Priority 4
	22			Thahtaykone(Ywarma)	SA2-22	VES	DRD	>144	12.5	36	Main selection basis of drilling depth is resistivity value.	180	55	18m	C	Priority 5
	23		Inma	Magyidaw	SA2-23	VES	DRD	-	<10	-	-	-	-	-	D	-
	24	Kanbalu	Thindaw	Thindaw	SA2-24	VES	DRD	52 - 90	20.9	28	Main selection basis of drilling depth is resistivity value.	80	50	12m	A	Priority 3
	25			Lwingyi	SA2-25	VES	DRD	>184	41	36	From existing borehole, It is expected that capacity of upper aquifer(99-184m) is low.	220	31	12m	B	Priority 3
	26		Koetaungboh	Koetaungboh(Kyunkone)	SA2-26	VES	DRD	>144	37.9	41	From existing borehole,It is expected that capacity of target aquifers is low.	185	60	18m	C	Priority 4
	27		Nyaungkanthar	Inngoteto	SA2-27	VES	DRD	<157	24 - 49	126	From existing borehole,It is expected that capacity of target aquifers is low.	150	50	18m	C	Priority 5
	28		Myayhtoo	Myayhtoo	SA2-28	VES	DRD	-	<10	-	-	-	-	-	D	-
	29		Khaowntar	Khaowntar	SA2-29	VES	DRD	>182	13	33	Main selection basis of drilling depth is resistivity value.	215	30	18m	C	Priority 4
	30		Nyuangkanthar	Nyuangkanthar	SA2-30	VES	DRD	138 - 189	12.1	37	Main selection basis of drilling depth is resistivity value.	175	50	18m	C	Priority 5
	31		Myaymon	Myaymon	SA2-31	VES	DRD	>125	24.1	30	From information of existing tube well , It is assumed that upper aquifer (63-125m) has salinity. So, target aquifer is set to lower layer.(>125m)	155	80	12m	A	Priority 3
	32		Pazigyi	Layytwinzin	SA2-32	VES	DRD	>181	22	29	From information of existing tube well , It is assumed that potential of upper aquifer (117-181m) is low. So, target aquifer is set to lower layer.(>181m)	210	120	18m	A	Priority 2
	33		Paygone(S)	Chaungchar	SA2-33	VES	DRD	>174	16.3	31	Main selection basis of drilling depth is resistivity value.	205	60	18m	B	Priority 3
	34	Dabayin	Intimelay	Minyogone	SA2-34	VES	DRD	42 - 159	12	68	Main selection basis of drilling depth is resistivity value.	110	3	18m	C	Priority 5
	35		Mintelgone	Shandaw	SA2-35	VES	DRD	81 - 286	14.3	169	Drilling depth is decided by information of existing tube well.	250	0	18m	C	Priority 4
	36		Satpyargyin	Kyuntaw (S)	SA2-36	VES	DRD	68-183	12.4	32	Drilling depth is decided by information of existing tube well.	100	68	18m	C	Priority 5
	37	Wetlet	Sharkwal	PalaeThwe (Ywarthit)	SA2-37	VES	DRD	102-163	38.5	28	Main selection basis of drilling depth is resistivity value.	130	55	12m	A	Priority 3
	38		Poukkan	Poukkan	SA2-38	VES	DRD	-	<10	-	-	-	-	-	D	-
	39		Yonepingone	Shwenyaungtaw	SA2-39	VES	DRD	-	<10	-	-	-	-	-	D	-
	40		Khawtaw	Sabeidaw	SA2-40	VES	DRD	-	<10	-	-	-	-	-	D	-

物理探査結果一覧表（マンダレー地区）

								Results of Geophysical Survey								
								Estimated Results of Target Aquifer				Estimated Drilling Depth (m)	Estimated SWL 8m)	Recommended Screen range	Evaluation for possibility	Priority
Region	No.	Township	Village Tracks	Villages	ID	Survey Method	Surveyor	Distribution Depth (m)	Resistivity Value (Ω-m)	Thickness (m)	Remarks					
Mandalay	41	Mahlaing	Yayhtwet	Htantawgyi	MA2-01	2D	ESS	100 - 150	>11	50	Main selection basis of drilling depth are resistivity value and geological cross section.	150	60	18m	C	Priority 5
	42		Kyatse	Asone	MA2-02	VES	GH	125 - 265	15	25	Main selection basis of drilling depth is resistivity value.	150	60	18m	B	Priority 4
	43		Yaychobutar	Khinthar(S)	MA2-03	VES	GH	>235	10.4	35	Main selection basis of drilling depth is resistivity value.	270	60	18m	C	Priority 4
	44	Myingyan	Chaysay	Chaysay	MA2-04	VES	DRD	>132	18.7	28	Main selection basis of drilling depth is resistivity value.	160	50	12m	A	Priority 3
	45		Pinlai	Talgyi	MA2-05	VES	DRD	>136	14	34	Main selection basis of drilling depth is resistivity value.	170	50	18m	C	Priority 5
	46		Kuywar	Kuywar	MA2-06	VES/2D	DRD/ESS	-	<10	-	-	-	-	-	D	-
	48		Phatpin-I	Nyaungwum	MA2-08	VES	GH	-	<10	-	-	-	-	-	D	-
	51	Ngazon	Kaungzin	Kaungzin	MA2-11	2D	ESS	>200	>10	70	Main selection basis of drilling depth is resistivity value.	250	100	18m	C	Priority 4
	54	Natogyi	Myinni	Kyaungkangyibin	MA2-14	2D	ESS	167-200	10 -11	33	Main selection basis of drilling depth is resistivity value.	200	167	18m	C	Priority 4
	55		Nyaunggone	Nyaunggone	MA2-15	2D	ESS	100 - 150	13-14	50	Main selection basis of drilling depth is resistivity value.	150	61	18m	C	Priority 5
	56	Taungtha	Obo	Chaungnar	MA2-16	2D	ESS	-	<10	-	-	-	-	-	D	-
	57		Zagyan	Chaungsone(La)	MA2-17	VES	GH	112-189	18.1	28	Drilling depth is decided by information of existing tube well.	140	98	12m	A	Priority 3
	58		Kyaukkar	Kyaukkartaungkone	MA2-18	2D	ESS	-	<10	-	-	-	-	-	D	-
	59		Kanmyel	Tharzi	MA2-19	VES	GH	154-290	14.3	137	From information of existing tube well, it is assumed that potential of target aquifer is low.	290	154	18m	C	Priority 4
	60			Kanaye	MA2-20	VES	GH	105-268	17.8	160	From information of existing tube well. It is assumed that potential of target aquifer is low.	265	105	18m	C	Priority 4
	61		Tharyarmyaing	Tharyarmyaing	MA2-21	2D	ESS	150 - 250	16-17	50	Drilling depth is decided by information of existing tube well.	200	150	18m	B	Priority 3
	62	Yamethin	Myinnar	Oakpo	MA2-22	VES	DRD	126-263	11.1	134	From information of existing tube well. It is assumed that potential of target aquifer is low.	260	30	18m	C	Priority 4
	63		Nabukyin	Kangyi	MA2-23	VES	DRD	>314	13.7	36	Main selection basis of drilling depth is resistivity value.	350	200	18m	C	Priority 3
	64	Pyawbwe	Seitcho	Htanekan	MA2-24	VES	DRD	>236	11.7	34	Main selection basis of drilling depth is resistivity value.	270	30	18m	C	Priority 4
	65			Waryonesu	MA2-25	VES	DRD	>278	22.4	27	Main selection basis of drilling depth is resistivity value.	305	11	12m	A	Priority 1
	66	Nyaungoo	Sinthamway	Talkone	MA2-26	VES	DRD	>245	21.9	30	Main selection basis of drilling depth is resistivity value.	275	150	12m	A	Priority 2
	67		Tawbyar	Tawbyar	MA2-27	VES	DRD	176-265	40.9	89	Drilling depth is decided by information of existing tube well.	265	176	12m	B	Priority 3
	68		Setsetyo	Setsetyo	MA2-28	VES	DRD	>363	31.2	27	Main selection basis of drilling depth is resistivity value.	390	269	12m	A	Priority 1
	69		Pyon	Kanzauk	MA2-29	VES	DRD	>65	17.9-49.0	135?	Drilling depth is decided by information of existing tube well.	200	65	12m	A	Priority 2
	70		Kantain	Talbindel	MA2-30	VES	DRD	211-300	26.9	90	Drilling depth is decided by information of existing tube well.	300	210	12m	A	Priority 1
	71		Tawpyar	Mongywettaw	MA2-31	VES	DRD	>210	34.1	60	Drilling depth is decided by information of existing tube well.	270	210	12m	A	Priority 2
	72		Tuywintaung	Phoenekan	MA2-32	2D	ESS	<125	14 -30	90	Drilling depth is decided by information of existing tube well.	125	35	18m	C	Priority 5
	73		Nyaungbinthar	Nyaungbinthar	MA2-33	2D	ESS	150 -200 (<200)	19-20	50	Main selection basis of drilling depth is resistivity value.	200	100	12m	A	Priority 2
	74		Kudaw	Saingkan(Tetide)	MA2-34	VES	DRD	>263	19.9	107	Drilling depth is decided by information of existing tube well.	370	263	12m	A	Priority 1
	75		Byugyi	Byugyi	MA2-35	VES	DRD	>231	23.6	79	Drilling depth is decided by information of existing tube well.	310	230	12m	A	Priority 1
	76	Kyaukpadaung	Tangkan	Alaywar-2	MA2-36	2D	ESS	<230	20-30	80	Drilling depth is decided by information of existing tube well.	230	150	12m	A	Priority 2
	78		Lelgyi(N)	Lelgyi(Ma)	MA2-38	2D	ESS	>300	>13	50	Main selection basis of drilling depth is resistivity value.	350	51.5	18m	C	Priority 3
	79		Kannbyu	Thayattaw	MA2-39	VES	DRD	>223	38.7	127	From information of existing tube well, it is assumed that potential of target aquifer is low.	350	223	18m	C	Priority 3
	80		Nakyatkhwal	Nakyatkhwal	MA2-40	VES	DRD	233-300	33.4	62	Drilling depth is decided by information of existing tube well.	295	67	12m	A	Priority 2

物理探査結果一覧表（マグウェー地区）

Region	No.	Township	Village Tracks	Villages	ID	Results of Geophysical Survey						Estimated Drilling Depth (m)	Estimated SWL 8m)	Recommended Screen range	Evaluation for possibility	Priority
						Survey Method	Surveyor	Estimated Results of Target Aquifer								
								Distribution Depth (m)	Resistivity Value (Ω-m)	Thickness (m)	Remarks					
Magway	81	Magway	Natkan	Natkan	MG2-01	VES	ESS	121 - 251	20.4	59	Drilling depth is decided by information of existing tube well.	180	75	12m	A	Priority 3
	82		Sharzaungkan	Thanbo(Ywarthit)	MG2-02	VES	ESS	>73	14.9	47	Drilling depth is decided by information of existing tube well.	120	73	18m	C	Priority 5
	83		Kyarkan	Nyaungbinthar	MG2-03	VES	ESS	>148	17.8	52	Drilling depth is decided by information of existing tube well.	200	150	12m	A	Priority 2
	84		Nyaungbinthar	Konegyi	MG2-04	VES	ESS	>213	36.4	27	Main selection basis of drilling depth is resistivity value.	240	134	12m	A	Priority 2
	85		Paypinsan	Sainggya	MG2-05	VES	ESS	>162	15.8	38	Drilling depth is decided by information of existing tube well.	200	162	18m	B	Priority 3
	86		Thapyaysan	Thapyaysan(N)	MG2-06	VES	ESS	>139	29.1	51	Drilling depth is decided by information of existing tube well.	190	108	12m	A	Priority 2
	87		Supyitsan	Shwekyaw	MG2-07	VES	ESS	89 - 217	18.2	111	Drilling depth is decided by information of existing tube well.	200	89	12m	A	Priority 2
	88		Nyaungkan	Leikkan	MG2-08	VES	ESS	95-206	39.6	25	Main selection basis of drilling depth is resistivity value.	120	100	12m	A	Priority 3
	89			Ywarthitgyi	MG2-09	VES	ESS	>107	19.2	73	Drilling depth is decided by information of existing tube well.	180	105	12m	A	Priority 3
	90	Chauk	Thanbo	Kanyaygyi	MG2-10	VES	GH	>212	56.2	118	It is assumed that potential of target aquifer is low.	330	212	18m	C	Priority 3
	91		Myaysoon	Myaysoon(Ywarthit)	MG2-11	VES	GH	>150	31.2	110	Drilling depth is decided by information of existing tube well.	260	150	12m	A	Priority 2
	92		Zeebwar	Zeebwar	MG2-12	2D	ESS	<135	15-21	55	Drilling depth is decided by information of existing tube well.	135	80	18m	B	Priority 4
	93		Chaungtat	Yenpyay	MG2-13	VES	GH	>115	22.2	55	Drilling depth is decided by information of existing tube well.	170	115	12m	A	Priority 3
	94		Pakhannge	Kyatesu(N)	MG2-14	VES	GH	>117	24.5	28	Main selection basis of drilling depth is resistivity value.	145	23	12m	A	Priority 3
	95		Salintaung	Winkabar	MG2-15	VES	GH	>71	22.9	39	Drilling depth is decided by information of existing tube well.	110	30	12m	A	Priority 3
	96		Magyikone	Kyatkan	MG2-16	VES	GH	>80	23.8	90	Drilling depth is decided by information of existing tube well.	170	100	12m	A	Priority 3
	97		Gwaypin	Sudat	MG2-17	VES	GH	>270	39.2	100	Drilling depth is decided by information of existing tube well.	370	270	12m	A	Priority 1
	98		Nyaungzin	Myaynilain	MG2-18	VES	GH	160 - 268	44.9	89	Drilling depth is decided by information of existing tube well.	250	160	12m	B	Priority 3
	99	Yenangyaung	Indaw	Legyinyo	MG2-19	2D	ESS	134-280	23-25	146	Drilling depth is decided by information of existing tube well.	280	134	12m	A	Priority 2
	100	Myothit	Laytinesin	Laytinesin(S)	MG2-20	VES	GH	>109	23.1	91	Drilling depth is decided by information of existing tube well.	200	109	12m	A	Priority 2
	101			Tharmyar	MG2-21	VES	GH	170-362	33.1	30	Drilling depth is decided by information of existing tube well.	200	120	12m	A	Priority 2
	102			Aungmyinthar	MG2-22	VES	GH	55-124	16.5	65	From information of existing tube well, It is assumed that potential of target aquifer is low.	120	55	18m	C	Priority 5
	103		Wargyiini	Ngwelay	MG2-23	VES	GH	52-112	46.9	63	Drilling depth is decided by information of existing tube well.	115	52	12m	B	Priority 4
	104		Htauksharkan	Indaw(N)	MG2-24	VES	GH	>110	17.8	30	From information of existing tube well, It is assumed that potential of target aquifer is low.	145	55	18m	C	Priority 5
	106		Manawtkone	Manawtgone	MG2-26	VES	GH	98-305	28.5	32	Drilling depth is decided by information of existing tube well.	130	24	12m	A	Priority 3
	107	Natmauk	I-Sauk	Kangyigone	MG2-27	VES	ESS	141-220	26.2	79	Drilling depth is decided by information of existing tube well.	220	141	12m	A	Priority 2
	108		Htonepoutchine	Htonepoutchine	MG2-28	2D	ESS	60-110	15-17	50	Main selection basis of drilling depth is resistivity value.	110	70	18m	B	Priority 4
	110		Sellel	Sellel	MG2-30	2D	ESS	-	<10	-	-	-	-	-	D	-
	112		Tegyi	Ywartharlay	MG2-32	VES	ESS	-	<10	-	-	-	-	-	D	-
	113		Wayonegone	Wayonegone	MG2-33	2D	ESS	<120	12-20	40?	Main selection basis of drilling depth is resistivity value.	120	70	18m	C	Priority 5
	114		Htonepoutchine	Nyaunggone	MG2-34	VES	ESS	57-147	25.1	53?	Drilling depth is decided by information of existing tube well.	110	70	12m	A	Priority 3
	115		I-Zauk	Kyugyaung	MG2-35	VES	ESS	>175	15.8	45	Drilling depth is decided by information of existing tube well.	220	140	18m	B	Priority 3
	116	Taungdwingyi	Pantwinlay	Kokkohla	MG2-36	VES	ESS	-	<10	-	-	-	-	-	D	-
	117		Payatkyal	Kangyigone	MG2-37	2D	ESS	150 - 230	1.1	80	Drilling depth is decided by information of existing tube well.	230	70	18m	C	Priority 4
	118		Warthonepyu	Htaukkyantgwin	MG2-38	VES/2D	ESS/GH	290-477	18.7	30	Main selection basis of drilling depth is resistivity value.	320	100	12m	A	Priority 1
	119		Hlebwegyi	Hlebwegyi	MG2-39	VES	ESS	>225	22	30	Main selection basis of drilling depth is resistivity value.	255	100	12m	A	Priority 2
	120			Yayhtwetgyi	MG2-40	VES	ESS	82-226	37.7	98	Drilling depth is decided by information of existing tube well.	180	40	12m	A	Priority 3