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壹、測量說明

一、前言

後池堰位於石門水庫下游，主要功能在於洩洪時之消能作用，並有調節供應桃園、下游灌溉、公共給水及工業用水等功用。近年來，隨著人口的牽入，民生用水倍增，後池堰已漸漸轉型成為下游淨水場取水的重要來源之一，每當颱風過境，上游洩洪造成後池原水混濁，非但影響淨水場取水品質，而且也降低了後池本身蓄水功能。同樣地，後池功能正常與否亦為大眾所關心之議題。依據年度的水深測量及蓄水量統計有助於了解後池淤積變化，並提供相關單位做改善、防治之參考。

測區位置圖

二、作業範圍及內容

1.標高 140m 以下之陸域及水域水深測量，面積約 0.61 平方公里，環池邊長約 3.8 公里。

2.已知點檢測(包括座標及高程，檢測計算過程存於 99 年石門成果簿)。

3.水位標高 137m 以下之範圍及 50m 間隔施測一斷面。

4.容積計算(由實測最低高程起至水位 137 公尺，計算水位每變 1 公尺之蓄水量。

三、控制系統

1.平面座標系統採用台灣區二度分帶（TWD67 及 TWD97）座標系統。

2.高程控制系統採用台灣地區正高系統。

四、測量經過

1.環池地形測量：

a.針對水面上地形實施調繪測量。

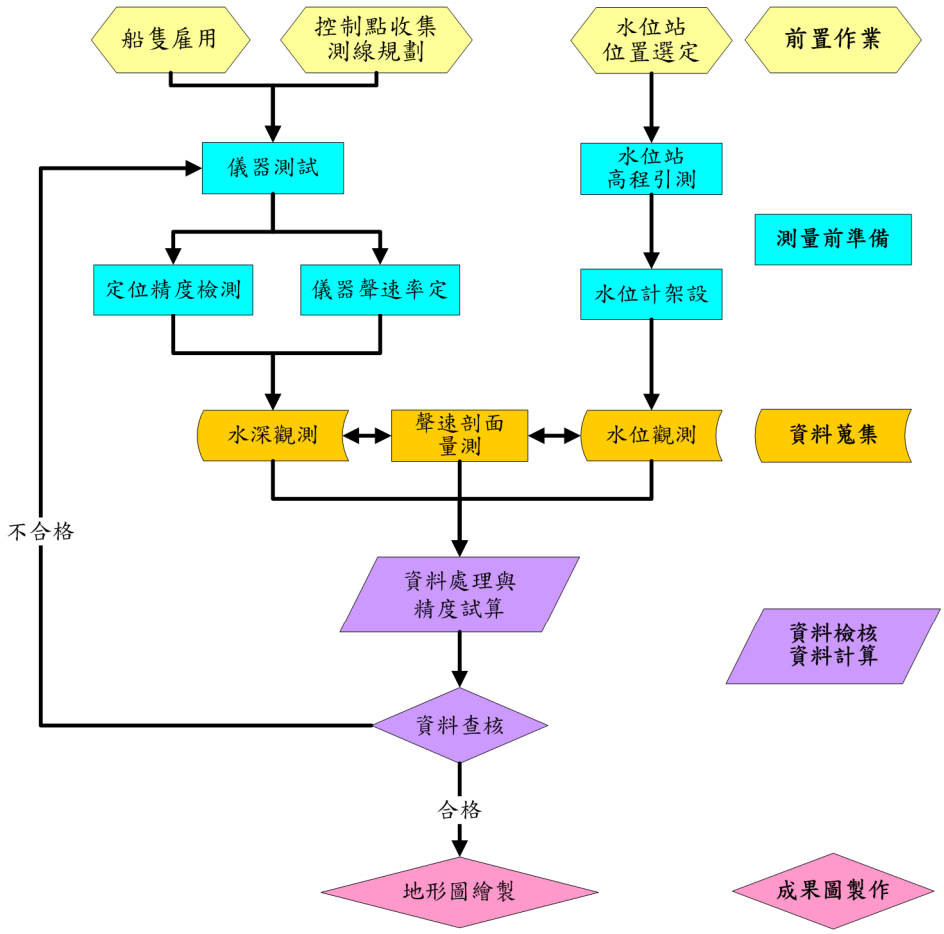
b.內業計算以 LeadSurvey 測量製圖輔助系統展點繪圖。

c.使用儀器為全測站經緯儀(LeicaTCRP1105)。

2.斷面水深測量：

a.水庫斷面測量以 TrimbleDGPS 配合 ODOMHydrotrac 數化測深儀與湧浪補償儀進行水深測量。

b.作業流程：斷面水深作業分為五個階段，分別為前置作業、準備階段、資料收集、檢核計算及成果製作等，作業流程如下圖：

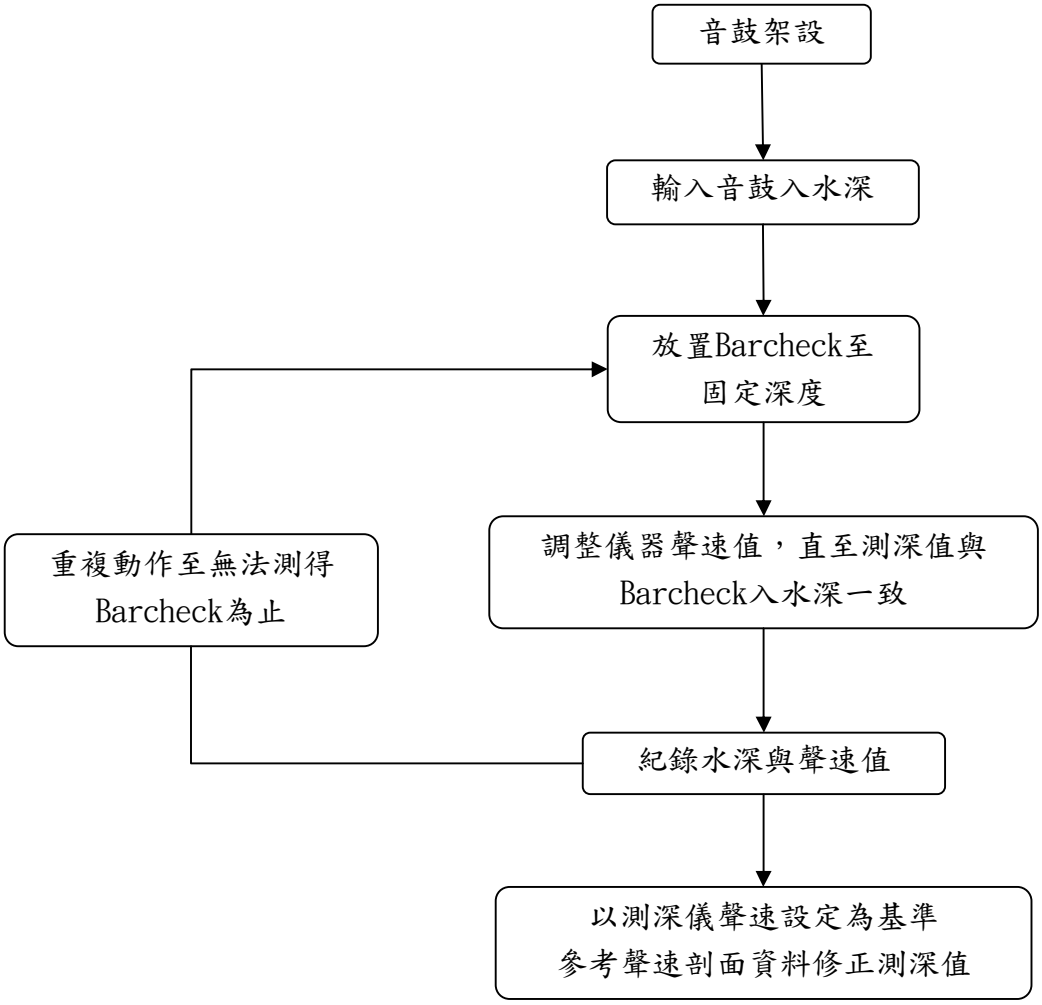


斷面水深測量作業流程圖

c.測線規劃：除原有大斷面外，另外間隔 50 公尺施測一條輔助斷面。

d.定位精度：由於水庫湖面廣闊、對空通視良好，施測過程中 DGPS 定位精度均能控制在 2m 以內。

e.聲速率定：作業前以聲速檢校鈑(Barcheck)率定儀器聲速，並以聲速剖面儀量取水下至少間隔每公尺一個聲速剖面資料，作為水深修正之依據，聲速率定步驟如下圖。



聲速率定流程圖

f. 導航及資料收集：將規劃斷面展繪於 LeadSurvey 水深測量程式內，將 DGPS 訊號及斷面資料同時顯示於導航視窗，進行船隻導航定位，同時將定位及水深資料記錄於導航電腦中。

g. 資料整合：將 DGPS 測得之軌跡坐標值（含時間紀錄）與數化測深儀所測得時間、深度資料進行配對，並修正水位高程即可求得湖底坐標高程。

五、水庫容積計算

1.99 年 12 月施測後池最底點高程為 105.50 公尺,計算高程 106 公尺至 137 公尺間，水位每變化一公尺所涵蓋的水面面積。

2.由前後水位高差（dH）及各水位之面積(A1、A2)代入辛普森公式：V＝1/3*dH〔A1+A2+$\sqrt{\mathbf{(A1*\ A2)}}$〕，以求出各水位區間之容積並計算每 1 公尺水位之累計容積(表一、99 年 12 月水位-蓄水量統計表)。

3.99 年 12 月淤積測量計算之總容量(標高 137 公尺)為 3,964,935.56 立方公尺,呆容量(標高 129.5 公尺)為 826,310.88 立方公尺，有效容量 3,138,624.67 立方公尺。

六、儀器設備

1.地形測量：Leica1105 全測站經緯儀。

2.水深測量：CSIBeaconDGPS 及 ODOMHydrotrac 數化測深儀與湧浪補償儀。

七、測量日期

1.地形測量：中華民國 99 年 12 月 09 日~99 年 12 月 12 日。

2.水深測量：中華民國 99 年 12 月 07 日。

表一、99 年 12 月石門後池堰水位-蓄水量統計表

水位高度	面積 (平方公尺)	各層容積 (立方公尺)	累積容積 (立方公尺)	備註
106	72	24.10		
107	812	375.62	375.62	
108	1,866	1,302.90	1,678.52	
109	2,904	2,365.81	4,044.33	
110	5,165	3,980.70	8,025.03	
111	7,824	6,448.54	14,473.57	
112	10,484	9,121.56	23,595.13	
113	14,108	12,251.21	35,846.33	
114	16,718	15,394.53	51,240.87	
115	19,803	18,238.95	69,479.82	
116	21,842	20,814.49	90,294.31	
117	24,180	23,001.38	113,295.68	
118	27,417	25,781.61	139,077.30	
119	31,901	29,630.49	168,707.78	
120	36,008	33,933.47	202,641.25	
121	40,266	38,116.83	240,758.08	
122	43,778	42,009.60	282,767.68	
123	48,369	46,054.51	328,822.19	
124	52,349	50,345.88	379,168.07	
125	58,752	55,519.67	434,687.74	
126	66,019	62,350.19	497,037.92	
127	77,452	71,659.19	568,697.12	
128	92,911	85,064.12	653,761.24	
129	120,351	106,335.73	760,096.97	
129.5	144,883	66,213.91	826,310.88	**呆容量**
130	169,415	78,494.64	904,805.52	
131	243,971	205,562.94	1,110,368.46	
132	349,107	294,973.09	1,405,341.55	
133	495,377	420,114.62	1,825,456.17	
134	519,310	507,296.36	2,332,752.53	
135	537,810	528,532.74	2,861,285.27	
136	551,623	544,701.55	3,405,986.82	
137	566,307	558,948.74	3,964,935.56	**總容量**
138	581,494	573,325.34	4,538,819.39	
139	589,980	585,732.02	5,124,551.41	
140	598,737	594,353.16	5,718,904.58	
141	604,828	601,779.64	6,320,684.22	

備註：

1.**有效容量**=總容量-呆容量=**3,138,624.67** 立方公尺

2.標高 106m~129.5m 為「呆容量」範圍

3.標高 129.5m~137m 為「有效容量」範圍

4.標高 141m 以下為「最大可能容量」範圍(包括防洪操作空間)

表二、98 年 12 月石門後池堰水位-蓄水量統計表

水位高度	面積	各層容積	累積容積	備註
	(平方公尺)	(立方公尺)	(立方公尺)	
106	184	61.30		
107	591	368.33	368.33	
108	1,747	1,118.43	1,486.76	
109	3,029	2,358.96	3,845.71	
110	5,505	4,205.64	8,051.35	
111	7,854	6,644.74	14,696.09	
112	11,447	9,594.33	24,290.42	
113	14,598	12,990.48	37,280.90	
114	17,533	16,042.72	53,323.62	
115	20,048	18,776.42	72,100.04	
116	22,467	21,246.22	93,346.26	
117	24,602	23,526.19	116,872.45	
118	27,768	26,169.03	143,041.48	
119	30,866	29,303.45	172,344.93	
120	35,086	32,953.40	205,298.34	
121	40,572	37,795.89	243,094.23	
122	44,363	42,453.46	285,547.69	
123	48,886	46,606.29	332,153.98	
124	52,664	50,763.47	382,917.46	
125	58,192	55,405.18	438,322.63	
126	66,625	62,360.84	500,683.47	
127	77,416	71,953.08	572,636.56	
128	92,655	84,921.53	657,558.09	
129	118,852	105,481.91	763,040.00	
129.5	143,117	65,398.42	828,438.42	**呆容量**
130	167,382	77,545.70	905,984.11	
131	236,935	201,153.83	1,107,137.95	
132	335,210	284,654.88	1,391,792.83	
133	492,106	411,155.76	1,802,948.59	
134	513,458	502,744.16	2,305,692.76	
135	533,483	523,438.37	2,829,131.12	
136	550,541	541,989.57	3,371,120.69	
137	565,195	557,851.99	3,928,972.69	**總容量**
138	581,494	573,325.34	4,502,298.03	
139	589,980	585,732.02	5,088,030.05	
140	598,737	594,353.16	5,682,383.22	
141	604,828	601,779.64	6,284,162.86	

備註：

1.**有效容量**=總容量-呆容量**=3,100,534.27** 立方公尺

2.標高 106m~129.5m 為「呆容量」範圍

3.標高 129.5m~137m 為「有效容量」範圍

4.標高 141m 以下為「最大可能容量」範圍(包括防洪操作空間)

表三、石門後池堰歷年淤積一覽表

期別	起迄年月	間隔	有效容量(EL.129.5~137)（M^3）			總容量(EL.137 以下)（M^3）		
			剩餘容量	淤積	累積淤積量	剩餘容量	淤積	累積淤積量
	53.7	0	3,171,000			4,127,000		
1	56.7	3	3,043,204	127,796	127,796	3,995,050	131,950	131,950
2	57.6	0.9	2,901,607	141,597	269,393	3,848,850	146,200	278,150
3	67.5	9.7	2,749,695	151,912	421,305	3,692,000	156,850	435,000
4	69.3	1.8	2,744,973	4,722	426,027	3,687,125	4,875	439,875
5	75.3	6	2,699,768	45,205	471,232	3,640,450	46,675	486,550
6	88.1	12.8	1,863,354	836,414	1,307,646	2,776,846	863,604	1,350,154
7	90.6	2.5	2,669,705	-806,351	501,295	3,244,801	-467,955	882,199
8	92.4	1.8	2,704,531	-34,826	466,469	3,270,728	-25,927	856,272
9	93.3	1	2,690,146	14,385	480,854	3,249,146	21,582	877,854
10	93.12	1	2,637,894	52,252	533,106	3,251,317	-2,171	875,683
11	95.01	1	3,055,423	-417,529	115,577	3,866,577	-615,260	260,423
12	95.12	0.9	3,240,655	-185,232	-69,655	4,083,559	-216,982	43,441
13	97.02	1.2	3,013,428	227,227	157,572	3,776,463	307,096	350,537
14	97.12	0.8	3,131,767	-118,339	39,233	3,976,961	-200,498	150,039
15	98.12	1.0	3,100,534	31,233	70,466	3,928,973	47,988	198,027
16	99.12	1.0	3,138,625	-38,091	32,375	3,964,936	-35,963	162,064

備註：

1.後池堰設計總容量 4,127,000M^3，標高 129.5~137 公尺設計有效容量 3,171,000M^3，標高 129.5 公尺以下設計呆容量 956,000M^3。

2.設計調蓄容量 2,200,000M^3。

3.1~6 期僅測量 12 條斷面，以求積儀測面積，並計算容積。

4.第七期起全面測量水深，新測 1/1000 地形圖，以電腦檔案計算面積及容積。

控 制 點 坐 標 成 果 表

計畫名稱：99年後池堰淤積測量作業

測量單位： 自強工程顧問有限公司　　測 量 者：張玉明　　99 年 12月

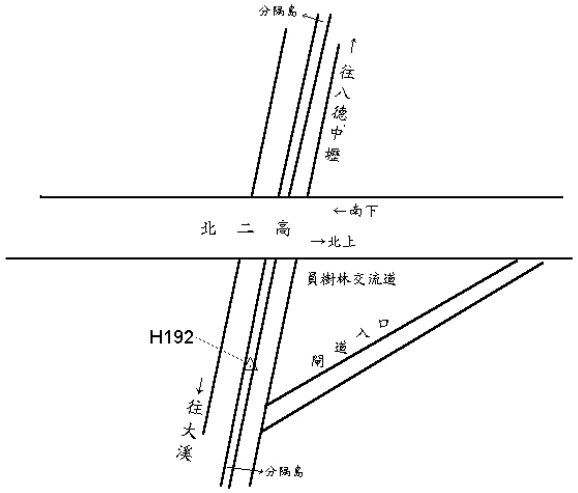
校 核 者： 何晉銘　　製 表 者：張玉明

樁　號	二度分帶TWD97坐標系			二度分帶TWD67坐標系			備註
	N縱坐標(m)	E橫坐標(m)	橢球高(h)	N縱坐標(m)	E橫坐標(m)	正高(H)	
BM(潮位站)	2746041.680	275707.309	163.530	2746245.912	274877.336	142.789	引點
GP03	2744823.142	275979.068	323.193	2745027.431	275149.131	302.297	控制點(GPS)
S04	2745113.314	274782.867	164.868	2745317.639	273952.907	144.084	控制點(GPS)
S5-1	2746057.755	275700.138	163.563	2746262.080	274870.178	142.812	控制點(GPS)
S6-1	2746307.804	275462.530	163.517	2746512.129	274632.570	142.794	控制點(GPS)
SA02	2745700.974	275553.663	163.951	2745905.299	274723.703	143.203	導線點
SA03-1	2745667.397	275303.222	164.524	2745871.722	274473.262	143.779	導線點
SA04-1	2745584.918	275150.391	165.548	2745789.243	274320.431	144.805	導線點
SA05	2745434.541	275058.380	165.777	2745638.866	274228.420	145.036	導線點
SA06	2745180.879	274911.048	165.876	2745385.204	274081.088	145.137	導線點
SA07	2745655.366	274799.526	165.887	2745859.691	273969.566	145.155	導線點
SA07A-1	2745484.674	274714.918	165.851	2745688.999	273884.958	145.117	導線點
SA08	2745775.568	274849.181	165.819	2745979.893	274019.221	145.088	導線點
SA09	2746061.184	274991.967	166.213	2746265.509	274162.007	145.485	導線點
SA10	2746253.455	275151.878	165.843	2746457.780	274321.918	145.118	導線點
	(以下空白)						

三等控制點樁位指示圖

工程名稱：石門、榮華水庫淤積測量作業

圖號 DRAWING NO		日期 DATA		99 年 12 月
測量單位 SURVEY UNIT	自強工程顧問有限公司	97	縱坐標(N)	2753716.063
			橫坐標(E)	276931.129
樁號 STATION NO	H192		橢球高(h)	204.334
		67	縱坐標(N)	2753920.198
樁別 REMARKS	不鏽鋼標		橫坐標(E)	276101.035
			正高(H)	----



說明(DESCRIPTION):
自員樹林往大溪交流道行駛，至交流道北上入口處附近停車，點位於 112 甲縣道中央分隔島上。此點位為美化點位。。

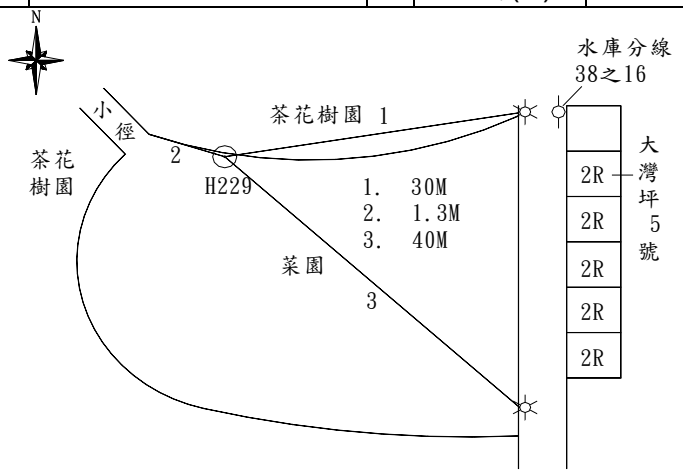
現場照片

自強工程顧問有限公司

三等控制點樁位指示圖

工程名稱：石門、榮華水庫淤積測量作業

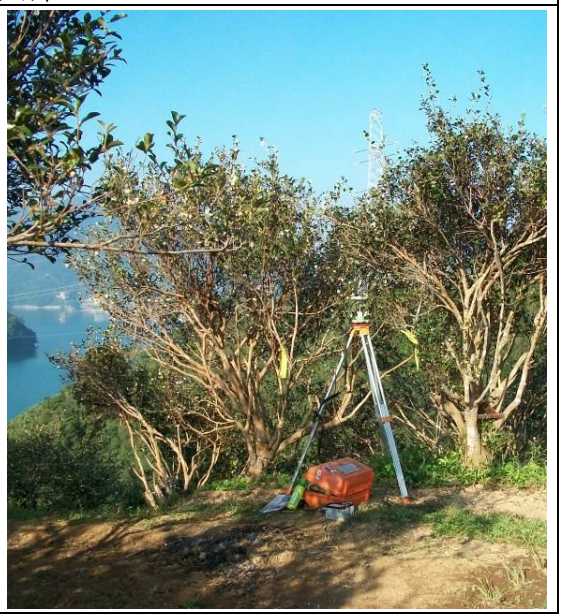
圖號 DRAWING NO		日期 DATA		99 年 12 月
測量單位 SURVEY UNIT	自強工程顧問有限公司	97	縱坐標(N)	2744607.214
			橫坐標(E)	276211.041
樁號 STATION NO	H229		橢球高(h)	313.549
		67	縱坐標(N)	2744811.504
樁別 REMARKS	不鏽鋼標		橫坐標(E)	275381.105
			正高(H)	292.622



說明(DESCRIPTION):

由石門水庫大霸行駛懷德路往百吉方向行駛，約 1.5km 處遇鳳凰谷餐廳，進入叉路約 50m 有多家 2 樓住家，住家前的菜園為點位所在。

現場照片

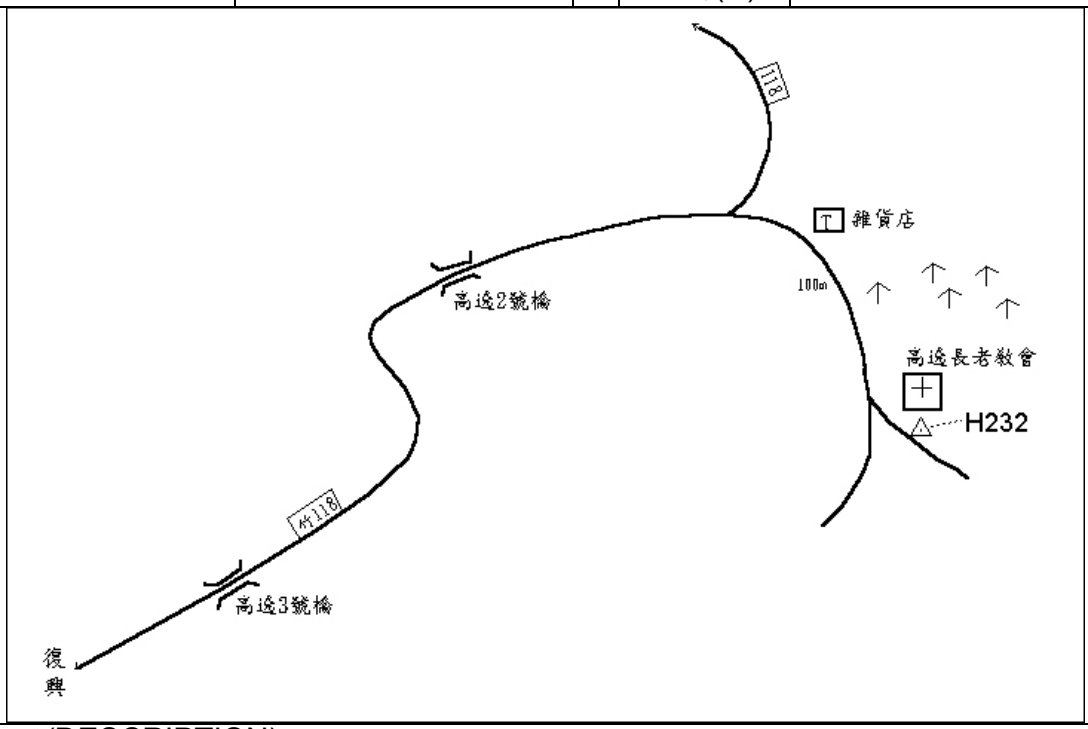


自強工程顧問有限公司

三等控制點樁位指示圖

工程名稱：石門、榮華水庫淤積測量作業

圖號 DRAWING NO		日期 DATA		99 年 12 月
測量單位 SURVEY UNIT	自強工程顧問有限公司	97	縱坐標(N)	2743816.816
			橫坐標(E)	279334.835
樁號 STATION NO	H232		橢球高(h)	297.401
		67	縱坐標(N)	2744021.161
樁別 REMARKS	不鏽鋼標		橫坐標(E)	278504.851
			正高(H)	276.455



說明(DESCRIPTION):
由竹 118 線復興往關西方向，行經高遶 2 號橋，行駛 400 公尺見右側第一條叉路下去，行駛可見基督教長老教會，點位在屋前花圃中。

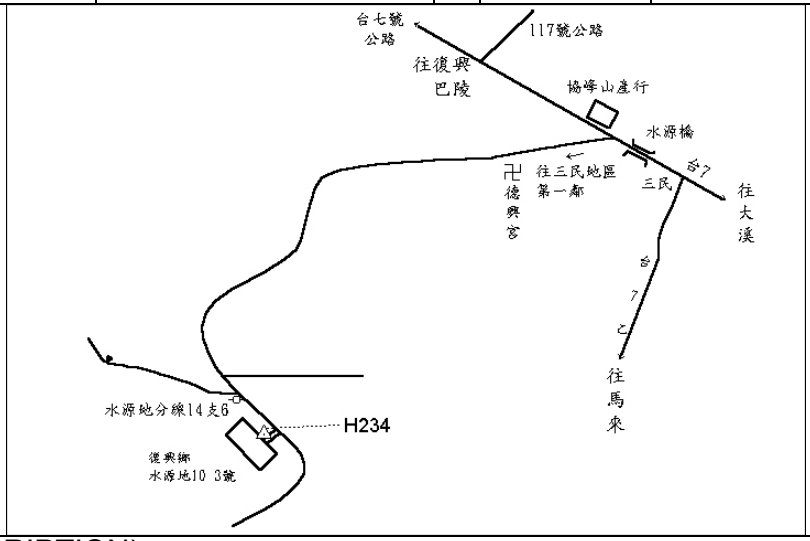
現場照片

自強工程顧問有限公司

三等控制點樁位指示圖

工程名稱：石門、榮華水庫淤積測量作業

圖號 DRAWING NO		日期 DATA		99 年 12 月
測量單位 SURVEY UNIT	自強工程顧問有限公司	97	縱坐標(N)	2746375.327
			橫坐標(E)	285407.382
樁號 STATION NO	H234		橢球高(h)	497.610
		67	縱坐標(N)	2746579.625
樁別 REMARKS	不鏽鋼標		橫坐標(E)	284577.331
			正高(H)	476.561



說明(DESCRIPTION):
由竹 118 線復興往關西方向，行經高遠 2 號橋，行駛 400 公尺見右側第一條叉路下去，行駛可見基督教長老教會，點位在屋前花圃中。

現場照片

自強工程顧問有限公司

點位資料			
點名	**點位編號**	**等級**	**施測時間**
百吉三號橋	7005	一等二級水準點	無資料
標石號碼	**標石種類**	**點位狀況**	**水準道路**
7005	不鏽鋼標	良好	台 7 線

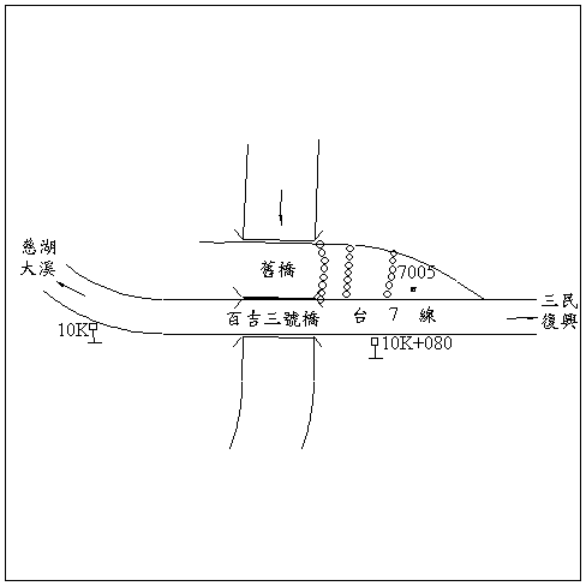
TWD97坐標資料			
縱坐標值(m)	**橫坐標值(m)**		
2746760.289	281854.764		
緯度坐標值(dd:mm:ss)	**經度坐標值(dd:mm:ss)**	**橢球高**	
24:49:40	121:18:54	304.777	
X坐標值(m)	**Y坐標值(m)**	**Z坐標值(m)**	
-3010530	4948500	2661910	
圖號	**點位來源**	**所在地**	**中央子午線**
無資料	無資料	桃園縣大溪鄉	121

重力及高程資料	
重力值(mgal)	**高程(m)**
978860	283.753

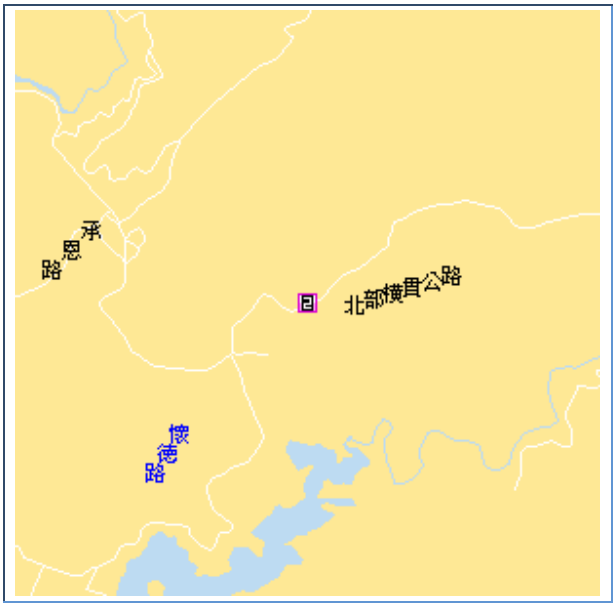
備註
無資料

點位說明
由慈湖沿台 7 線往復興方向行駛 10K+080 處，左側有一花圃，點位於第二個花圃內。

點位路線示意圖



電子地圖(1/25000)



點位資料			
點名	**點位編號**	**等級**	**施測時間**
上羅浮	7012	一等二級水準點	無資料
標石號碼	**標石種類**	**點位狀況**	**水準道路**
7012	不鏽鋼標	良好	台 7 線

TWD97坐標資料			
縱坐標值(m)	**橫坐標值(m)**		
2742661.949	286943.417		
緯度坐標值(dd:mm:ss)	**經度坐標值(dd:mm:ss)**	**橢球高**	
24:47:27	121:21:55	354.665	
X坐標值(m)	**Y坐標值(m)**	**Z坐標值(m)**	
-3015790	4947370	2658200	
圖號	**點位來源**	**所在地**	**中央子午線**
無資料	無資料	桃園縣復興鄉	121

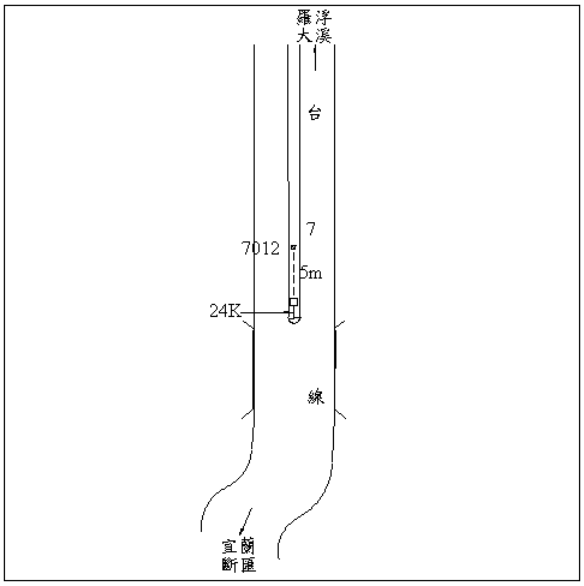
重力及高程資料	
重力值(mgal)	**高程(m)**
978850	333.032

備註
無資料

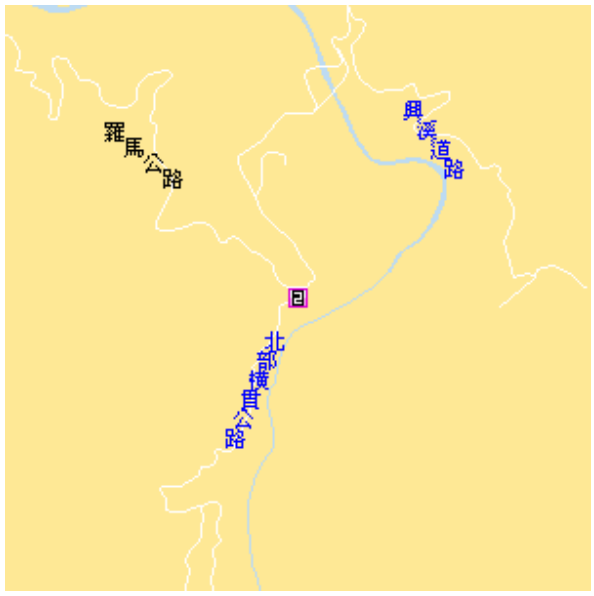
點位說明

由大溪一心加油站沿台 7 線往宜蘭方向行駛至 24K 指示牌處，點位就在中央分隔島內。

點位路線示意圖



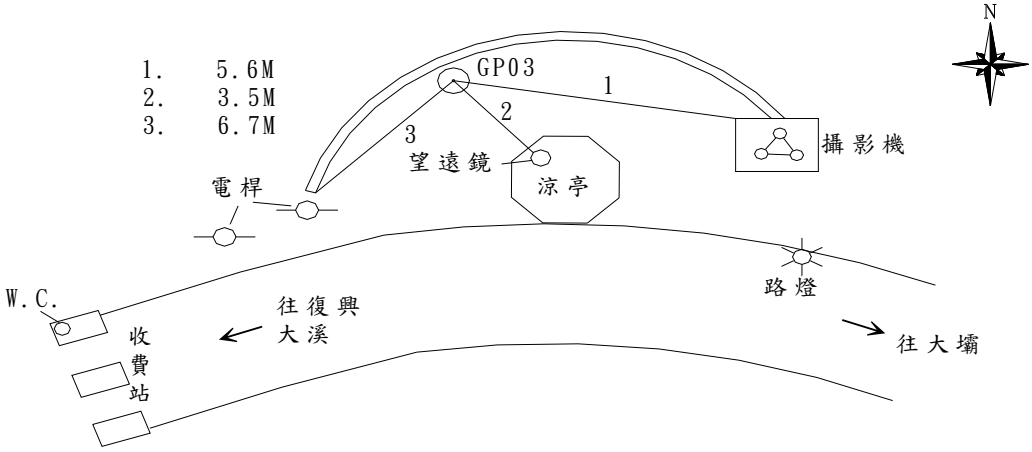
電子地圖(1/25000)



控制點樁位指示圖

工程名稱：石門、榮華水庫淤積測量作業

圖號 DRAWING NO		日期 DATA		99 年 12 月
測量單位 SURVEY UNIT	自強工程顧問有限公司	97	縱坐標(N)	2744823.142
			橫坐標(E)	275979.068
樁號 STATION NO	GP03		椭球高(H)	323.193
		67	縱坐標(N)	2745027.431
樁別 REMARKS	石樁		橫坐標(E)	275149.131
			正高(H)	302.297



說明(DESCRIPTION):

由石門大壩往龍珠灣方向行約 2 公里至湖濱亭，點位位於亭邊擋土牆上方。

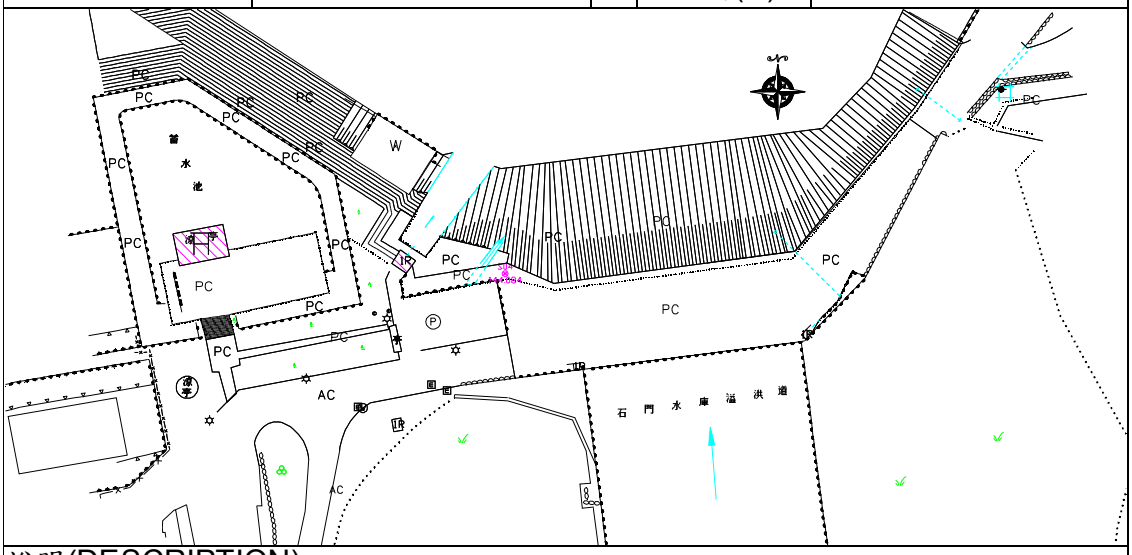
現場照片

自強工程顧問有限公司

控制點樁位指示圖

工程名稱：石門、榮華水庫淤積測量作業

圖號 DRAWING NO		日期 DATA		99 年 12 月
測量單位 SURVEY UNIT	自強工程顧問有限公司	97	縱坐標(N)	2745113.314
			橫坐標(E)	274782.867
樁號 STATION NO	S4		橢球高(H)	164.868
		67	縱坐標(N)	2745317.639
樁別 REMARKS	鋼釘		橫坐標(E)	273952.907
			正高(H)	144.084



說明(DESCRIPTION):
由石門水庫大溪收費亭往後池方向，行經石門水庫溢洪道，見右側停車場下車，點位位於停車場右側轉角護欄外。

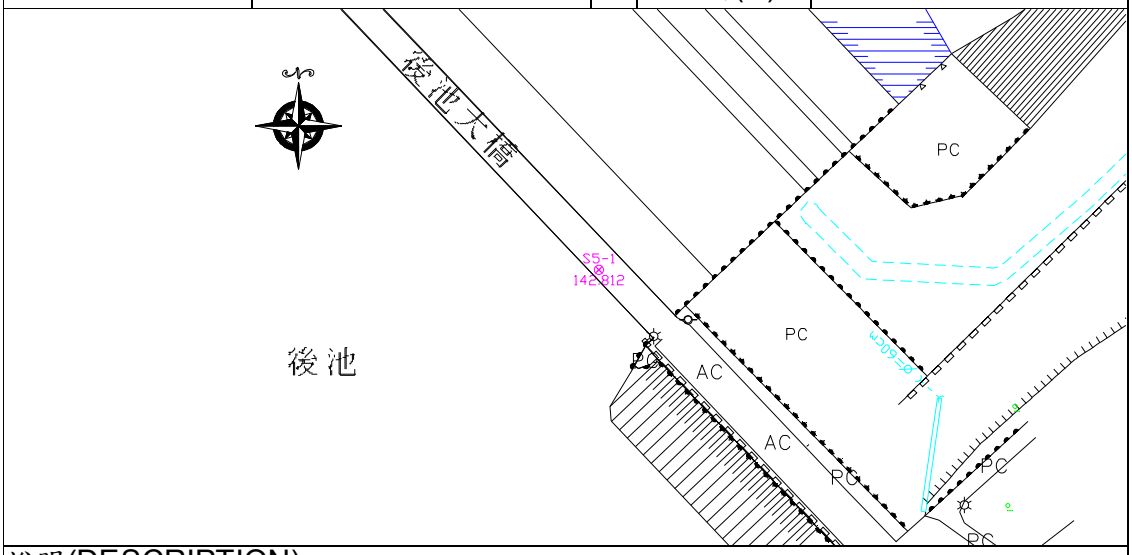
現場照片

自強工程顧問有限公司

控制點樁位指示圖

工程名稱：石門、榮華水庫淤積測量作業

圖　　號 DRAWING NO		日　　期 DATA		99 年 12 月
測 量 單 位 SURVEY UNIT	自強工程顧問有限公司	97	縱坐標(N)	2746057.755
			橫坐標(E)	275700.138
樁　　號 STATION NO	S5-1		橢球高(H)	163.563
		67	縱坐標(N)	2746262.080
樁　　別 REMARKS	鋼釘		橫坐標(E)	274870.178
			正高(H)	142.812



說明(DESCRIPTION):
由石門水庫大溪收費亭右轉往後池方向，至後池大橋橋頭停車，由橋頭步行約 15 公尺，點位於左側 AC 路旁。

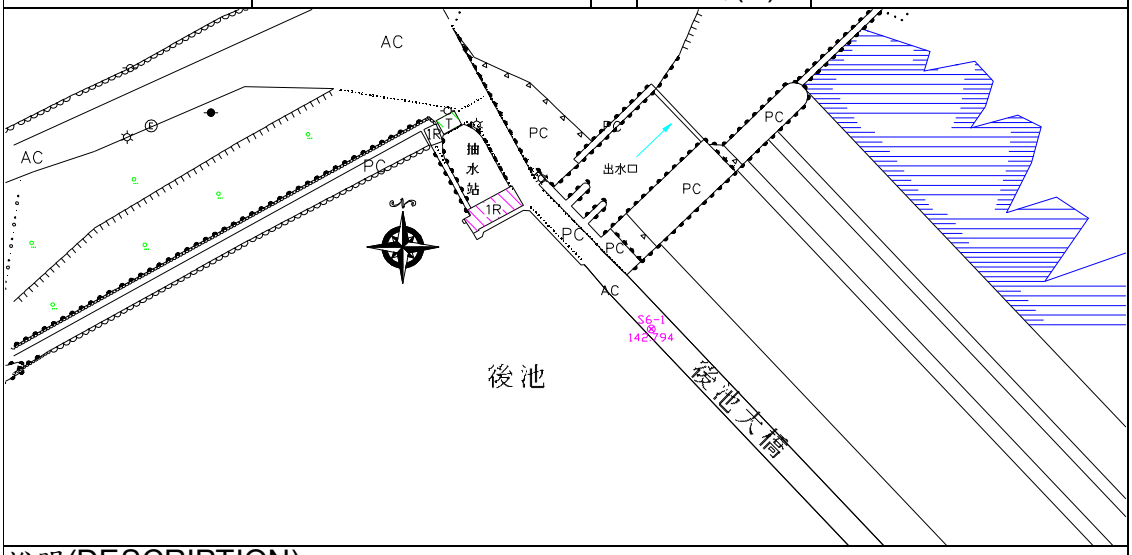
現場照片

自強工程顧問有限公司

控制點樁位指示圖

工程名稱：石門、榮華水庫淤積測量作業

圖號 DRAWING NO		日期 DATA		99 年 12 月
測量單位 SURVEY UNIT	自強工程顧問有限公司	97	縱坐標(N)	2746307.804
			橫坐標(E)	275462.530
樁號 STATION NO	S6-1		橢球高(H)	163.517
		67	縱坐標(N)	2746512.129
樁別 REMARKS	鋼釘		橫坐標(E)	274632.570
			正高(H)	142.794

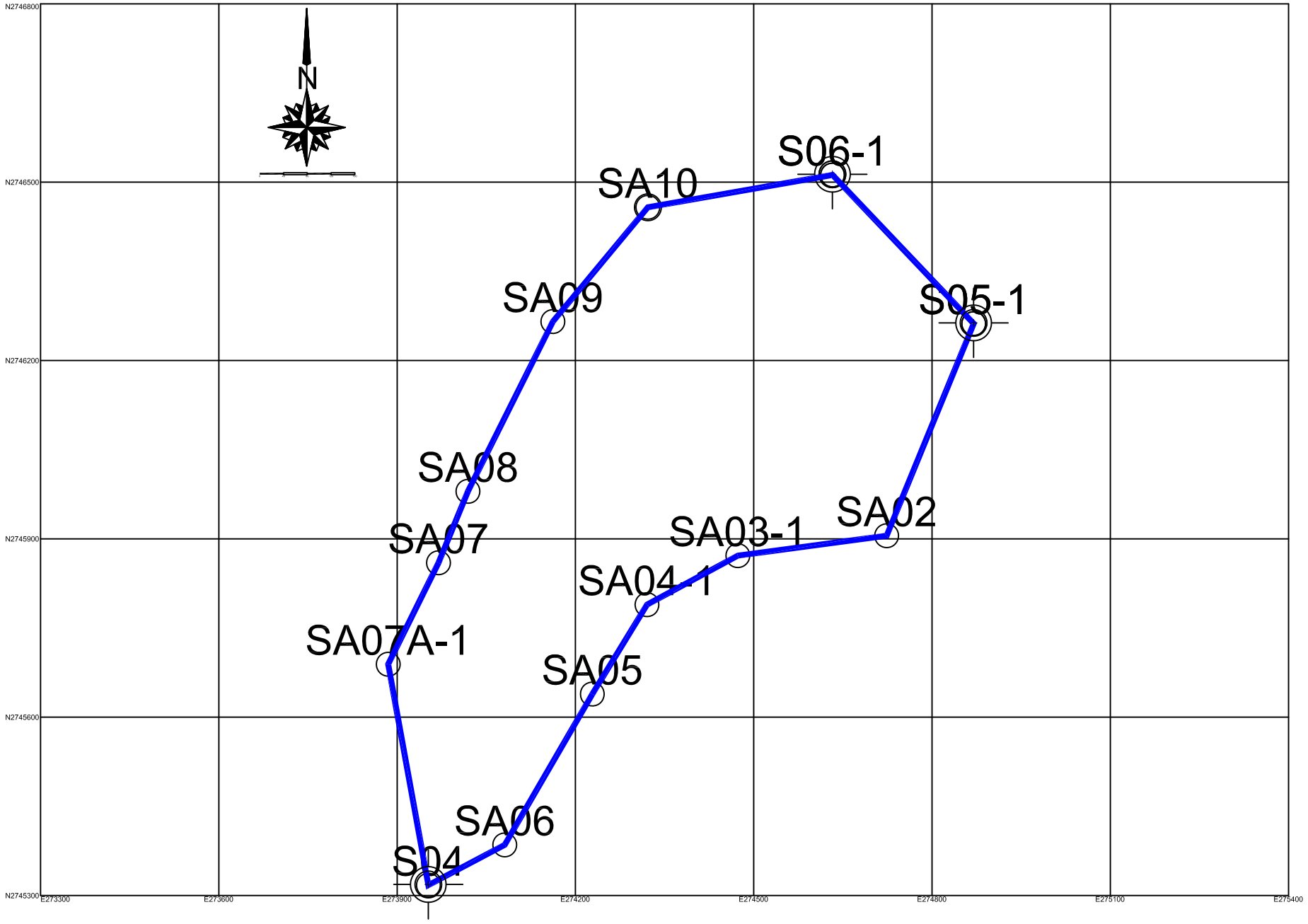


說明(DESCRIPTION):
由石門水庫大溪收費亭右轉往後池方向，至後池大橋橋頭停車，由橋頭步行約 360 公尺，點位於左側 AC 路旁。

現場照片

自強工程顧問有限公司

後池堰導線網圖


N
N2746800
N2746500
N2746200
N2745900
N2745600
N2745300
E273300
E273600
E273900
E274200
E274500
E274800
E275100
E275400
S06-1
SA10
SA09
S05-1
SA08
SA07
SA02
SA03-1
SA04-1
SA07A-1
SA05
SA06
S04

導線計算表

工程名稱:99年後池淤積測量工作

點號	折角	方位角	邊長	縱距	橫距	縱座標(N)	橫座標(E)
S6-1						2746512.129	274632.570
		136.27.41	344.938	0.000	0.000		
S5-1	-2			-250.049	237.608	2746262.080	274870.178
	245.51.31	202.19.10	385.673	-0.002	-0.008		
SA02	-2			-356.779	-146.467	2745905.299	274723.703
	240.02.42	262.21.50	252.677	-0.001	-0.005		
SA03-1	-2			-33.576	-250.436	2745871.722	274473.262
	159.16.54	241.38.42	173.663	-0.001	-0.004		
SA04-1	-2			-82.478	-152.827	2745789.243	274320.431
	149.48.57	211.27.37	176.290	-0.001	-0.004		
SA05	-3			-150.376	-92.007	2745638.866	274228.420
	178.41.19	210.08.53	293.340	-0.002	-0.006		
SA06	-2			-253.660	-147.326	2745385.204	274081.088
	212.01.59	242.10.50	145.244	-0.001	-0.003		
S04	-3			-67.783	-128.457	2745317.420	273952.628
	287.30.01	349.40.48	377.691	-0.002	-0.008		
SA07A-1	-2			371.581	-67.662	2745688.999	273884.958
	216.41.17	26.22.03	190.513	-0.001	-0.004		
SA07	-3			170.693	84.612	2745859.691	273969.566
	176.04.45	22.26.45	130.056	-0.001	-0.002		
SA08	-2			120.203	49.657	2745979.893	274019.221
	184.07.01	26.33.44	319.323	-0.002	-0.006		
SA09	-3			285.618	142.792	2746265.509	274162.007
	193.11.22	39.45.03	250.083	-0.001	-0.005		
SA10	-2			192.272	159.916	2746457.780	274321.918
	220.19.33	80.04.34	315.379	-0.002	-0.006		
S6-1	-3			54.352	310.660	2746512.129	274632.570
	236.23.10	136.27.41	344.938	0.000	0.000		
S5-1				-250.049	237.608	2746262.080	274870.178

閉合精度=1／47226　　Σθ=2700.00.31　　ΣY=2139.372　　△Y=-0.017

角度精度=9"√N　　ΣD=3009.932　　ΣX=1732.819　　△X=-0.061

計算者:張玉明　　校對者:何晉銘　　尺度比:1

觀測手簿

工程名稱:99年後池淤積測量工作

測站:S5-1			平均觀測值:245.51.31		儀器高:1.496		測回:1
導線:		水平角	垂直角	斜距	平距	高程差	備註
B.S:S6-1	正	0.00.00	90.01.19	345.005	345.005	-0.029	
Z:1.394	倒	179.59.56	269.58.33	345.006			
F.S:SA02	正	245.51.32	89.55.42	385.673	385.673	0.383	
Z:1.607	倒	65.51.26	270.04.20	385.674			
測站:SA02			平均觀測值:240.02.42		儀器高:1.508		測回:1
導線:		水平角	垂直角	斜距	平距	高程差	備註
B.S:S5-1	正	0.00.00	90.04.48	385.674	385.674	-0.390	
Z:1.370	倒	179.59.56	269.55.12	385.674			
F.S:SA03-1	正	240.02.43	89.51.59	252.678	252.677	0.574	
Z:1.528	倒	60.02.38	270.08.02	252.678			
測站:SA03-1			平均觀測值:159.16.54		儀器高:1.501		測回:1
導線:		水平角	垂直角	斜距	平距	高程差	備註
B.S:SA02	正	0.00.00	90.09.22	252.677	252.676	-0.573	
Z:1.388	倒	179.59.57	269.50.35	252.677			
F.S:SA04-1	正	159.16.54	89.42.05	173.666	173.664	1.021	
Z:1.392	倒	339.16.51	270.18.07	173.666			
測站:SA04-1			平均觀測值:149.48.57		儀器高:1.516		測回:1
導線:		水平角	垂直角	斜距	平距	高程差	備註
B.S:SA03-1	正	0.00.00	90.23.44	173.666	173.662	-1.025	
Z:1.344	倒	179.59.55	269.36.16	173.666			
F.S:SA05	正	149.48.56	89.57.42	176.291	176.291	0.224	
Z:1.415	倒	329.48.52	270.02.26	176.291			
測站:SA05			平均觀測值:178.41.19		儀器高:1.507		測回:1
導線:		水平角	垂直角	斜距	平距	高程差	備註
B.S:SA04-1	正	0.00.00	90.06.54	176.290	176.290	-0.234	
Z:1.391	倒	179.59.56	269.53.11	176.290			
F.S:SA06	正	178.41.17	89.59.52	293.339	293.339	0.097	
Z:1.426	倒	358.41.18	270.00.06	293.339			
測站:SA06			平均觀測值:212.01.59		儀器高:1.520		測回:1
導線:		水平角	垂直角	斜距	平距	高程差	備註
B.S:SA05	正	0.00.00	90.03.10	293.342	293.342	-0.100	
Z:1.361	倒	180.00.01	269.56.57	293.342			
F.S:S04	正	212.02.02	90.26.55	145.248	145.244	-1.054	
Z:1.438	倒	32.01.57	269.33.05	145.248			
測站:S04			平均觀測值:287.30.01		儀器高:1.508		測回:1
導線:		水平角	垂直角	斜距	平距	高程差	備註
B.S:SA06	正	0.00.00	89.38.41	145.247	145.245	1.048	
Z:1.361	倒	179.59.57	270.21.17	145.248			
F.S:SA07A-1	正	287.30.02	89.50.21	377.694	377.692	1.024	
Z:1.555	倒	107.29.58	270.09.40	377.693			

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

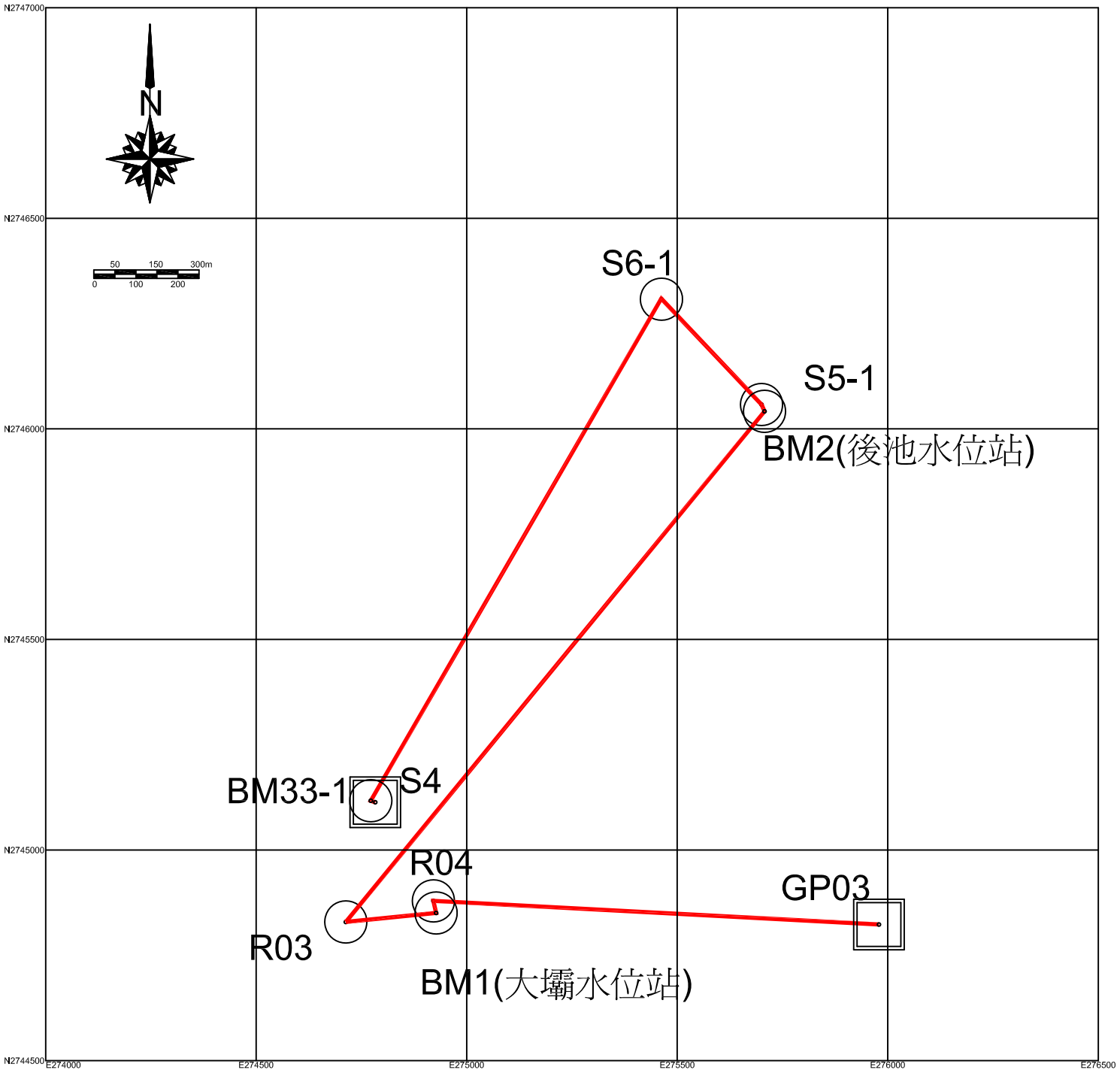
觀測手簿

工程名稱:99年後池淤積測量工作

測站:SA07A-1			平均觀測值:216.41.17		儀器高:1.459		測回:1
導線:		水平角	垂直角	斜距	平距	高程差	備註
B.S:S04	正	0.00.00	90.09.38	377.691	377.690	-1.027	
Z:1.437	倒	179.59.56	269.50.22	377.691			
F.S:SA07	正	216.41.16	89.58.12	190.513	190.513	0.032	
Z:1.532	倒	36.41.14	270.01.53	190.513			
測站:SA07			平均觀測值:176.04.45		儀器高:1.448		測回:1
導線:		水平角	垂直角	斜距	平距	高程差	備註
B.S:SA07A-1	正	0.00.00	90.00.46	190.513	190.513	-0.040	
Z:1.448	倒	179.59.56	269.59.14	190.513			
F.S:SA08	正	176.04.43	89.58.52	130.056	130.055	-0.069	
Z:1.563	倒	356.04.44	270.01.13	130.055			
測站:SA08			平均觀測值:184.07.01		儀器高:1.460		測回:1
導線:		水平角	垂直角	斜距	平距	高程差	備註
B.S:SA07	正	0.00.00	89.58.08	130.056	130.056	0.067	
Z:1.463	倒	180.00.01	270.01.47	130.056			
F.S:SA09	正	184.07.03	89.54.53	319.324	319.324	0.392	
Z:1.543	倒	4.07.00	270.04.58	319.324			
測站:SA09			平均觀測值:193.11.22		儀器高:1.490		測回:1
導線:		水平角	垂直角	斜距	平距	高程差	備註
B.S:SA08	正	0.00.00	90.05.06	319.323	319.323	-0.393	
Z:1.422	倒	179.59.59	269.55.01	319.323			
F.S:SA10	正	193.11.25	90.04.34	250.084	250.083	-0.373	
Z:1.536	倒	13.11.19	269.55.28	250.083			
測站:SA10			平均觀測值:220.19.33		儀器高:1.477		測回:1
導線:		水平角	垂直角	斜距	平距	高程差	備註
B.S:SA09	正	0.00.00	89.53.59	250.083	250.083	0.367	
Z:1.550	倒	179.59.58	270.05.58	250.083			
F.S:S6-1	正	220.19.31	90.25.28	315.388	315.379	-2.328	
Z:1.468	倒	40.19.33	269.34.23	315.388			
測站:S6-1			平均觀測值:236.23.10		儀器高:1.486		測回:1
導線:		水平角	垂直角	斜距	平距	高程差	備註
B.S:SA10	正	0.00.00	89.33.45	315.388	315.379	2.325	
Z:1.578	倒	179.59.57	270.26.18	315.388			
F.S:S5-1	正	236.23.10	90.00.26	345.003	345.003	0.002	
Z:1.450	倒	56.23.07	269.59.36	345.004			
測站:			平均觀測值:		儀器高:		測回:
導線:		水平角	垂直角	斜距	平距	高程差	備註
B.S:	正						
Z:	倒						
F.S:	正						
Z:	倒						

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

後池堰直接水準路線圖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E275500
E276000
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N
50 150 300m
0 100 200
S6-1
S5-1
BM2(後池水位站)
BM33-1
S4
R04
GP03
R03
BM1(大壩水位站)

直接水準計算表

工程名稱:99年後池淤積測量工作

點號	觀測高差		平均值	距離	平差改正數	平差後高差	高程
	△h			Di	△i=P*Di	△h+△i	
GP03	M		M	M	M	M	302.297
	往	-51.007	-51.009	1523.010	-0.001	-51.008	
R04	返	51.011					251.289
	往	0.039	0.039	100.630	0.000	0.039	
A1	返	-0.039					251.328
	往	-106.511	-106.512	1419.870	-0.001	-106.512	
A2	返	106.512					144.816
	往	-2.003	-2.004	227.720	0.000	-2.003	
S5-1	返	2.004					142.813
	往	-0.019	-0.019	345.240	0.000	-0.019	
S6-1	返	0.019					142.794
	往	0.017	0.017	344.880	0.000	0.017	
S5-1	返	-0.016					142.811
	往	1.271	1.270	1583.020	-0.002	1.269	
S04	返	-1.270					144.080
	往						
	返						
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閉合精度=1.68mm√k　　ΣD=5544.370　　閉合差=-0.004

計算者:張玉明　　校核者:何晉銘

直接水準計算表

工程名稱:99年後池淤積測量工作

點號	觀測高差		平均值	距離	平差改正數	平差後高差	高程
	△h			Di	△i=P*Di	△h+△i	
	M		M	M	M	M	
S6-1	往	0.020	0.020	345.256	0.000	0.020	142.794
S5-1	返	-0.020					142.814
	往	-0.024	-0.024	19.362	0.000	-0.024	
BM1	返	0.024					142.789
	往						
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閉合精度=0.03mm√k　　ΣD=364.618　　閉合差=0.000

計算者:張玉明　　校核者:何晉銘

水準記錄表

工程名稱:99年後池淤積測量工作

測站	後視	距離	前視	距離	高程差	高程	備註
GP03	1.091	23.110	0.000	0.000	0.000	302.297	
	0.320	32.750	2.621	22.330	-1.530	300.767	
	2.675	58.590	1.375	56.250	-1.055	299.712	
	2.359	13.620	0.176	45.170	2.499	302.211	
	2.674	13.510	0.124	14.110	2.235	304.446	
	2.600	13.670	0.029	18.660	2.646	307.091	
	1.206	55.010	0.254	35.440	2.346	309.437	
	0.307	22.590	2.433	31.240	-1.228	308.210	
	0.012	17.940	2.547	20.430	-2.241	305.969	
	0.196	15.900	2.523	9.670	-2.511	303.458	
	0.001	19.180	2.521	10.780	-2.325	301.133	
	0.280	24.800	2.656	21.460	-2.655	298.478	
	0.392	13.260	2.429	15.920	-2.149	296.329	
	0.149	18.650	2.677	19.050	-2.285	294.044	
	0.153	18.900	2.525	14.120	-2.376	291.668	
	0.417	20.330	2.587	16.670	-2.434	289.234	
	0.257	21.090	2.287	15.190	-1.870	287.364	
	0.287	25.030	2.708	24.250	-2.451	284.913	
	0.546	15.290	2.673	17.960	-2.386	282.527	
	0.188	28.090	2.290	14.160	-1.744	280.783	
	0.458	15.390	2.635	17.180	-2.447	278.336	
	0.253	23.580	2.374	17.700	-1.916	276.420	
	0.129	25.490	2.346	17.770	-2.092	274.328	
	0.144	20.420	2.655	17.030	-2.525	271.802	
	0.377	15.940	2.533	17.410	-2.389	269.413	
	0.164	21.360	2.660	16.860	-2.283	267.130	
	0.172	20.390	2.560	16.140	-2.396	264.734	
	0.069	19.960	2.548	17.760	-2.377	262.357	
	0.042	18.030	2.537	19.630	-2.468	259.890	
	0.158	16.070	2.547	10.970	-2.506	257.384	
	0.237	17.220	2.544	11.810	-2.387	254.998	
	1.181	48.190	2.395	13.430	-2.158	252.840	
	0.344	43.280	1.316	35.250	-0.135	252.705	
	1.677	27.750	1.917	49.860	-1.573	251.132	
R04	1.336	31.850	1.519	16.970	0.158	251.290	
	1.346	7.760	1.167	53.160	0.169	251.458	
A1	1.454	47.530	1.476	7.860	-0.130	251.329	
	0.289	34.670	1.744	57.840	-0.291	251.038	
	0.404	12.600	2.442	15.940	-2.153	248.884	
	0.031	14.200	2.540	11.770	-2.136	246.749	
	0.233	10.010	2.683	10.560	-2.652	244.097	

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

水準記錄表

工程名稱:99年後池淤積測量工作

測站	後視	距離	前視	距離	高程差	高程	備註
	0.128	14.140	2.380	7.650	-2.147	241.950	
	0.028	13.930	2.496	10.110	-2.367	239.583	
	0.111	11.510	3.522	19.230	-3.494	236.089	
	0.037	11.010	2.500	8.900	-2.390	233.699	
	0.161	10.790	3.957	20.390	-3.921	229.778	
	0.331	10.170	2.472	9.630	-2.312	227.466	
	0.376	13.010	3.587	19.030	-3.256	224.211	
	0.317	17.560	2.200	11.690	-1.824	222.387	
	0.455	14.620	2.236	14.490	-1.918	220.469	
	0.107	17.690	2.309	10.970	-1.854	218.615	
	0.146	15.100	2.371	13.290	-2.263	216.351	
	0.261	15.620	2.507	10.980	-2.361	213.990	
	0.315	12.280	2.520	9.470	-2.259	211.731	
	0.209	11.250	2.193	6.410	-1.878	209.853	
	0.379	10.600	2.480	8.690	-2.271	207.583	
	0.264	12.760	2.050	8.240	-1.671	205.912	
	0.547	12.530	2.455	10.640	-2.191	203.721	
	0.346	17.130	2.262	10.840	-1.715	202.006	
	0.444	16.620	2.573	14.010	-2.228	199.779	
	0.252	20.680	2.358	11.720	-1.914	197.865	
	0.286	20.020	2.583	21.640	-2.331	195.534	
	0.640	29.530	2.360	17.040	-2.074	193.460	
	0.499	33.910	2.383	29.420	-1.743	191.717	
	0.094	21.450	2.396	24.240	-1.897	189.820	
	0.233	14.240	2.588	20.360	-2.494	187.326	
	0.323	11.690	2.278	8.780	-2.045	185.280	
	0.310	11.670	2.548	9.660	-2.225	183.056	
	0.221	15.670	2.295	8.990	-1.985	181.070	
	0.170	15.310	2.619	13.320	-2.398	178.672	
	0.019	16.640	2.634	12.760	-2.463	176.209	
	0.179	14.900	2.562	12.820	-2.543	173.666	
	0.144	15.220	2.588	12.780	-2.410	171.257	
	0.042	15.700	2.558	12.950	-2.414	168.842	
	0.124	14.860	2.369	9.550	-2.328	166.515	
	0.051	16.440	2.362	10.110	-2.238	164.277	
	0.014	16.470	2.507	12.080	-2.457	161.820	
	0.082	14.540	2.575	10.910	-2.561	159.259	
	0.130	13.340	2.617	11.060	-2.534	156.725	
	0.248	14.050	2.697	11.700	-2.567	154.157	
	0.193	15.920	2.471	11.040	-2.223	151.934	
	0.115	14.060	2.557	12.410	-2.364	149.570	

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

水準記錄表

工程名稱:99年後池淤積測量工作

測站	後視	距離	前視	距離	高程差	高程	備註
	0.300	13.430	2.652	13.220	-2.537	147.032	
A2	0.148	19.610	2.514	13.470	-2.215	144.818	
	1.061	46.460	1.896	13.110	-1.748	143.070	
	1.511	48.370	1.520	44.120	-0.459	142.611	
S5-1	1.941	51.530	1.308	56.050	0.204	142.815	
	1.475	51.210	1.267	40.310	0.674	143.489	
	1.433	46.240	1.435	59.910	0.040	143.529	
	1.280	21.430	1.789	55.160	-0.355	143.173	
S6-1	1.898	47.940	1.658	19.450	-0.377	142.796	
	1.484	53.280	1.207	48.840	0.691	143.487	
	1.479	45.070	1.487	50.130	-0.003	143.483	
	1.145	42.730	1.652	44.030	-0.173	143.310	
S5-1	1.249	63.200	1.642	12.860	-0.497	142.813	
	1.447	52.090	1.442	44.580	-0.192	142.621	
	1.347	53.740	1.266	48.070	0.181	142.802	
	1.538	51.000	1.302	50.810	0.045	142.847	
	1.736	52.210	1.463	48.530	0.075	142.922	
	1.576	48.070	1.602	45.040	0.135	143.057	
	1.540	49.370	1.186	40.360	0.389	143.446	
	1.488	36.170	1.387	47.500	0.153	143.599	
	1.549	49.490	1.042	64.040	0.446	144.044	
	1.897	40.150	1.169	46.640	0.380	144.424	
	1.557	57.310	1.234	47.920	0.663	145.087	
	1.265	44.750	1.462	41.600	0.096	145.182	
	1.539	52.610	1.500	43.490	-0.234	144.948	
	1.629	45.400	1.485	49.420	0.054	145.002	
	1.282	55.770	1.486	47.500	0.143	145.145	
	1.299	55.090	2.158	33.430	-0.877	144.268	
	1.471	22.370	1.450	42.110	-0.151	144.118	
S04	1.506	13.220	1.505	13.190	-0.034	144.084	
	1.452	42.120	1.472	22.410	0.034	144.118	
	2.158	33.400	1.301	55.130	0.151	144.269	
	1.487	47.480	1.280	55.730	0.877	145.146	
	1.487	49.380	1.630	45.420	-0.143	145.004	
	1.500	43.490	1.541	52.580	-0.054	144.950	
	1.462	41.620	1.266	44.750	0.234	145.184	
	1.235	47.930	1.557	57.350	-0.095	145.089	
	1.169	46.680	1.897	40.160	-0.662	144.426	
	1.043	64.030	1.550	49.500	-0.380	144.046	
	1.389	47.450	1.488	36.160	-0.445	143.601	
	1.187	40.380	1.542	49.390	-0.153	143.448	

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

水準記錄表

工程名稱:99年後池淤積測量工作

測站	後視	距離	前視	距離	高程差	高程	備註
	1.602	45.000	1.577	48.000	-0.390	143.057	
	1.463	48.460	1.737	52.230	-0.135	142.923	
	1.302	50.730	1.538	51.010	-0.075	142.848	
	1.267	48.070	1.347	53.740	-0.046	142.803	
	1.443	44.610	1.448	52.080	-0.181	142.622	
S5-1	1.643	12.850	1.251	63.200	0.192	142.814	
	1.653	44.080	1.146	42.710	0.497	143.310	
	1.488	50.110	1.479	45.080	0.174	143.484	
	1.207	48.910	1.484	53.290	0.004	143.488	
S6-1	1.657	19.450	1.898	47.930	-0.691	142.797	
	1.790	55.120	1.281	21.440	0.377	143.174	
	1.435	59.880	1.434	46.200	0.356	143.530	
	1.268	40.310	1.475	51.200	-0.040	143.490	
S5-1	1.308	56.060	1.942	51.500	-0.674	142.816	
	1.509	44.030	1.511	48.390	-0.203	142.613	
	1.897	13.110	1.049	46.460	0.459	143.072	
A2	2.515	13.470	0.149	19.630	1.748	144.821	
	2.653	13.210	0.300	13.420	2.215	147.035	
	2.558	12.400	0.116	14.050	2.537	149.573	
	2.473	11.050	0.194	15.920	2.364	151.937	
	2.697	11.680	0.249	14.050	2.224	154.161	
	2.616	11.050	0.130	13.340	2.567	156.727	
	2.576	10.890	0.082	14.530	2.534	159.262	
	2.507	12.090	0.013	16.470	2.563	161.824	
	2.363	10.100	0.050	16.450	2.457	164.281	
	2.371	9.560	0.124	14.850	2.239	166.519	
	2.558	12.970	0.044	15.680	2.327	168.846	
	2.589	12.800	0.144	15.230	2.414	171.261	
	2.563	12.810	0.179	14.930	2.410	173.670	
	2.634	12.760	0.020	16.630	2.543	176.213	
	2.619	13.340	0.171	15.320	2.463	178.677	
	2.296	8.990	0.221	15.670	2.398	181.075	
	2.548	9.690	0.310	11.680	1.986	183.060	
	2.279	8.800	0.324	11.690	2.225	185.285	
	2.590	20.350	0.234	14.250	2.046	187.330	
	2.397	24.240	0.095	21.450	2.495	189.825	
	2.383	29.380	0.500	33.920	1.897	191.722	
	2.360	17.040	0.640	29.530	1.743	193.465	
	2.585	21.700	0.287	20.010	2.073	195.539	
	2.359	11.730	0.253	20.680	2.332	197.870	
	2.574	14.020	0.445	16.610	1.914	199.784	

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

水準記錄表

工程名稱:99年後池淤積測量工作

測站	後視	距離	前視	距離	高程差	高程	備註
	2.262	10.840	0.346	17.140	2.228	202.012	
	2.456	10.620	0.547	12.560	1.715	203.726	
	2.050	8.250	0.265	12.750	2.191	205.917	
	2.480	8.710	0.380	10.600	1.671	207.588	
	2.193	6.400	0.210	11.260	2.271	209.859	
	2.520	9.490	0.315	12.280	1.878	211.737	
	2.508	10.980	0.261	15.620	2.259	213.995	
	2.373	13.290	0.146	15.090	2.361	216.357	
	2.309	10.970	0.109	17.680	2.264	218.620	
	2.236	14.490	0.455	14.600	1.854	220.474	
	2.200	11.690	0.318	17.560	1.918	222.393	
	3.588	19.050	0.377	13.000	1.824	224.216	
	2.473	9.630	0.332	10.170	3.256	227.472	
	3.958	20.420	0.161	10.790	2.312	229.784	
	2.509	8.910	0.037	11.000	3.921	233.705	
	3.523	19.230	0.119	11.500	2.390	236.095	
	2.496	10.100	0.029	13.920	3.494	239.588	
	2.380	7.660	0.129	14.140	2.367	241.955	
	2.683	10.550	0.234	10.010	2.147	244.102	
	2.541	11.790	0.031	14.190	2.652	246.754	
	2.443	15.930	0.405	12.610	2.136	248.890	
	1.744	57.860	0.290	34.720	2.153	251.043	
A1	1.476	7.860	1.454	47.520	0.290	251.333	
	1.167	53.160	1.346	7.760	0.130	251.463	
R04	1.522	16.980	1.335	31.870	-0.168	251.294	
	1.918	49.850	1.679	27.750	-0.157	251.137	
	1.316	35.260	0.345	43.300	1.572	252.709	
	2.395	13.420	1.181	48.150	0.135	252.845	
	2.546	11.810	0.237	17.230	2.158	255.002	
	2.547	10.970	0.159	16.070	2.387	257.389	
	2.537	19.650	0.042	18.020	2.506	259.895	
	2.549	17.760	0.069	19.970	2.468	262.362	
	2.561	16.130	0.172	20.380	2.376	264.739	
	2.662	16.840	0.166	21.360	2.395	267.134	
	2.534	17.400	0.378	15.950	2.283	269.417	
	2.654	17.040	0.145	20.410	2.389	271.807	
	2.347	17.770	0.129	25.520	2.526	274.332	
	2.375	17.690	0.255	23.580	2.092	276.424	
	2.636	17.190	0.459	15.380	1.916	278.340	
	2.290	14.170	0.189	28.120	2.447	280.787	
	2.673	17.960	0.545	15.290	1.745	282.533	

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

水準記錄表

工程名稱:99年後池淤積測量工作

測站	後視	距離	前視	距離	高程差	高程	備註
	2.708	24.240	0.287	25.040	2.387	284.919	
	2.295	15.210	0.257	21.090	2.451	287.370	
	2.587	16.670	0.425	20.310	1.870	289.239	
	2.525	14.120	0.152	18.890	2.434	291.674	
	2.679	19.100	0.149	18.640	2.376	294.050	
	2.429	15.910	0.394	13.250	2.285	296.335	
	2.656	21.450	0.280	24.790	2.149	298.483	
	2.523	10.800	0.001	19.180	2.655	301.139	
	2.523	9.680	0.197	15.900	2.325	303.464	
	2.548	20.390	0.012	17.940	2.511	305.975	
	2.434	31.200	0.307	22.610	2.241	308.216	
	0.255	35.410	1.206	54.980	1.228	309.444	
	0.029	18.670	2.600	13.660	-2.346	307.099	
	0.125	14.110	2.675	13.500	-2.646	304.453	
	0.176	45.190	2.360	13.620	-2.235	302.218	
	1.376	56.240	2.675	58.590	-2.498	299.719	
	2.622	22.320	0.320	32.770	1.056	300.775	
GP03	0.000	0.000	1.092	23.130	1.530	302.305	

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

水準記錄表

工程名稱:99年後池淤積測量工作

測站	後視	距離	前視	距離	高程差	高程	備註
S6-1	1.824	41.339	0.000	0.000	0.000	142.794	
	1.464	37.751	1.152	40.280	0.673	143.467	
	1.470	49.766	1.449	51.131	0.015	143.482	
	1.178	37.934	1.477	42.465	-0.007	143.476	
S5-1	1.461	9.390	1.839	44.590	-0.662	142.814	
BM1	1.488	9.962	1.486	9.972	-0.024	142.789	
S5-1	1.841	44.592	1.464	9.405	0.024	142.814	
	1.480	42.469	1.180	37.934	0.662	143.475	
	1.454	51.080	1.474	49.758	0.007	143.482	
	1.157	40.298	1.469	37.754	-0.015	143.467	
S6-1	0.000	0.000	1.831	41.323	-0.673	142.794	

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

光線法計算表

工程名稱:99年後池淤積測量工作

後視:S6-1	N:2746512.129	E:274632.570		後視方位角:316.27.41
測站:S5-1	N:2746262.080	E:274870.178	Z:142.812	儀器高:1.435

點號	方位角	垂直角	斜距	覘標高	縱座標(N)	橫座標(E)	高程(Z)	備註
1	316.30.51	91.0.8	339.411	1.210	2746508.300	274636.640	137.108	779
2	316.32.08	91.1.51	328.861	1.210	2746500.730	274643.989	137.128	779
3	316.30.28	91.4.40	316.142	1.210	2746491.390	274652.630	137.097	779
4	316.32.23	91.6.9	307.985	1.210	2746485.590	274658.370	137.117	779
5	316.29.41	91.8.21	302.619	1.210	2746481.530	274661.890	137.027	779
6	316.33.27	91.8.58	295.887	1.210	2746476.870	274666.760	137.107	779
7	316.34.54	91.11.49	283.174	1.210	2746467.720	274675.590	137.127	779
8	316.30.11	91.14.16	276.184	1.210	2746462.380	274680.120	137.076	779
9	316.32.49	91.16.22	268.092	1.210	2746456.650	274685.840	137.087	779
10	316.28.25	91.19.4	262.435	1.210	2746452.310	274689.490	137.006	779
11	316.32.58	91.20.45	252.725	1.210	2746445.500	274696.420	137.106	779
12	316.31.54	91.24.27	242.427	1.210	2746437.970	274703.450	137.086	779
13	316.29.14	91.27.4	232.804	1.210	2746430.860	274709.940	137.145	779
14	316.31.58	91.30.32	225.371	1.210	2746425.590	274715.190	137.106	779
15	316.33.07	91.32.27	219.984	1.210	2746421.730	274718.950	137.125	779
16	316.30.51	91.35.46	213.426	1.210	2746416.870	274723.360	137.095	779
17	316.31.49	91.37.59	208.245	1.210	2746413.150	274726.970	137.105	779
18	316.35.12	91.48.15	189.118	1.210	2746399.390	274740.270	137.085	779
19	316.32.39	91.54.28	178.842	1.210	2746391.830	274747.240	137.085	779
20	316.26.02	91.59.16	173.653	1.210	2746387.830	274750.570	137.016	779
21	316.32.12	92.3.57	166.804	1.210	2746383.070	274755.510	137.026	779
22	316.28.10	92.11.21	158.445	1.210	2746376.870	274761.130	136.986	779
23	316.32.06	92.15.24	151.675	1.210	2746372.080	274765.920	137.066	779
24	316.34.17	92.24.56	140.976	1.210	2746364.370	274773.350	137.097	779
25	316.14.32	92.45.46	132.972	1.210	2746358.010	274778.320	136.629	779
26	316.34.16	92.39.58	127.067	1.210	2746354.260	274782.920	137.127	779
27	316.25.10	92.56.35	117.811	1.210	2746347.310	274789.070	136.989	779
28	316.37.08	93.3.51	111.098	1.210	2746342.711	274793.980	137.099	779
29	316.26.57	93.21.9	103.397	1.210	2746336.890	274799.059	136.991	779
30	316.35.08	93.38.56	94.038	1.210	2746330.251	274805.680	137.053	779
31	316.25.43	93.54.16	88.749	1.210	2746326.231	274809.149	136.994	779
32	316.43.04	94.9.50	81.413	1.210	2746321.191	274814.509	137.126	779
33	316.20.19	94.58.25	69.947	1.210	2746312.492	274822.069	136.973	779
34	316.14.20	95.25.30	63.146	1.210	2746307.482	274826.698	137.067	779
35	316.27.04	96.45.37	50.676	1.210	2746298.554	274835.507	137.072	779
36	315.10.18	98.58.54	45.851	1.210	2746294.200	274838.250	135.879	779
37	316.35.58	99.4.0	37.518	1.210	2746288.999	274844.722	137.125	779
38	316.53.32	102.23.0	27.041	1.210	2746281.362	274852.129	137.238	779
39	314.42.09	109.0.51	17.112	1.210	2746273.461	274858.679	137.462	779

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

光線法計算表

工程名稱:99年後池淤積測量工作

後視:S6-1		N:2746512.129		E:274632.570			後視方位角:316.27.41	
測站:S5-1		N:2746262.080		E:274870.178		Z:142.812	儀器高:1.435	
點號	方位角	垂直角	斜距	覘標高	縱座標(N)	橫座標(E)	高程(Z)	備註
40	316.09.33	117.43.2	11.586	1.210	2746269.477	274863.074	137.648	779
41	316.30.51	91.0.8	339.411	1.210	2746508.300	274636.640	137.108	779
42	316.32.08	91.1.51	328.861	1.210	2746500.730	274643.989	137.128	779
43	316.30.28	91.4.40	316.142	1.210	2746491.390	274652.630	137.097	779
44	316.32.23	91.6.9	307.985	1.210	2746485.590	274658.370	137.117	779
45	316.29.41	91.8.21	302.619	1.210	2746481.530	274661.890	137.027	779
46	316.33.27	91.8.58	295.887	1.210	2746476.870	274666.760	137.107	779
47	316.34.54	91.11.49	283.174	1.210	2746467.720	274675.590	137.127	779
48	316.30.11	91.14.16	276.184	1.210	2746462.380	274680.120	137.076	779
49	316.32.49	91.16.22	268.092	1.210	2746456.650	274685.840	137.087	779
50	316.28.25	91.19.4	262.435	1.210	2746452.310	274689.490	137.006	779
51	316.32.58	91.20.45	252.725	1.210	2746445.500	274696.420	137.106	779
52	316.31.54	91.24.27	242.427	1.210	2746437.970	274703.450	137.086	779
53	316.29.14	91.27.4	232.804	1.210	2746430.860	274709.940	137.145	779
54	316.31.58	91.30.32	225.371	1.210	2746425.590	274715.190	137.106	779
55	316.33.07	91.32.27	219.984	1.210	2746421.730	274718.950	137.125	779
56	316.30.51	91.35.46	213.426	1.210	2746416.870	274723.360	137.095	779
57	316.31.49	91.37.59	208.245	1.210	2746413.150	274726.970	137.105	779
58	316.34.09	91.43.22	196.383	1.210	2746404.630	274735.230	137.136	779
59	316.35.12	91.48.15	189.118	1.210	2746399.390	274740.270	137.085	779
60	316.32.39	91.54.28	178.842	1.210	2746391.830	274747.240	137.085	779
61	316.26.02	91.59.16	173.653	1.210	2746387.830	274750.570	137.016	779
62	316.32.12	92.3.57	166.804	1.210	2746383.070	274755.510	137.026	779
63	316.28.10	92.11.21	158.445	1.210	2746376.870	274761.130	136.986	779
64	316.32.06	92.15.24	151.675	1.210	2746372.080	274765.920	137.066	779
65	316.34.17	92.24.56	140.976	1.210	2746364.370	274773.350	137.097	779
66	316.14.32	92.45.46	132.972	1.210	2746358.010	274778.320	136.629	779
67	316.34.16	92.39.58	127.067	1.210	2746354.260	274782.920	137.127	779
68	316.25.10	92.56.35	117.811	1.210	2746347.310	274789.070	136.989	779
69	316.37.08	93.3.51	111.098	1.210	2746342.711	274793.980	137.099	779
70	316.26.57	93.21.9	103.397	1.210	2746336.890	274799.059	136.991	779
71	316.35.08	93.38.56	94.038	1.210	2746330.251	274805.680	137.053	779
72	316.25.43	93.54.16	88.749	1.210	2746326.231	274809.149	136.994	779
73	316.43.04	94.9.50	81.413	1.210	2746321.191	274814.509	137.126	779
74	316.20.19	94.58.25	69.947	1.210	2746312.492	274822.069	136.973	779
75	316.14.20	95.25.30	63.146	1.210	2746307.482	274826.698	137.067	779
76	316.27.04	96.45.37	50.676	1.210	2746298.554	274835.507	137.072	779
77	315.10.18	98.58.54	45.851	1.210	2746294.200	274838.250	135.879	779
78	316.35.58	99.4.0	37.518	1.210	2746288.999	274844.722	137.125	779

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

光線法計算表

工程名稱:99年後池淤積測量工作

後視:S6-1		N:2746512.129		E:274632.570			後視方位角:316.27.41	
測站:S5-1		N:2746262.080		E:274870.178		Z:142.812	儀器高:1.435	
點號	方位角	垂直角	斜距	覘標高	縱座標(N)	橫座標(E)	高程(Z)	備註
79	316.53.32	102.23.0	27.041	1.210	2746281.362	274852.129	137.238	779
80	314.42.09	109.0.51	17.112	1.210	2746273.461	274858.679	137.462	779
81	316.09.33	117.43.2	11.586	1.210	2746269.477	274863.074	137.648	779
82	323.47.57	134.27.45	6.070	1.210	2746265.576	274867.619	138.785	779
83	138.49.07	128.21.23	7.780	1.210	2746257.488	274874.195	138.209	779
84	138.49.07	128.21.23	7.780	1.210	2746257.488	274874.195	138.209	779
85	137.41.22	90.14.50	118.149	1.210	2746174.709	274949.709	142.528	779
86	132.37.13	90.7.32	180.083	1.210	2746140.140	275002.693	142.645	779
87	147.55.13	90.10.1	180.900	1.210	2746108.802	274966.253	142.512	779
88	136.13.59	90.4.16	197.960	1.210	2746119.122	275007.112	142.794	779
89	134.36.30	90.6.55	191.926	1.210	2746127.299	275006.814	142.653	779
90	139.18.03	90.9.34	181.587	1.210	2746124.412	274988.588	142.534	779
91	150.32.52	93.14.44	113.959	1.210	2746163.008	274926.121	136.586	779
92	149.37.47	92.43.0	126.672	1.210	2746152.913	274934.150	137.034	779
93	149.36.10	92.9.2	134.275	1.210	2746146.345	274938.072	138.000	779
94	151.58.50	92.10.40	141.563	1.210	2746137.200	274936.632	137.659	779
95	149.39.49	91.43.19	157.406	1.210	2746126.288	274949.644	138.309	779
96	156.21.10	91.43.31	162.741	1.210	2746113.071	274935.425	138.139	779
97	157.36.00	91.58.55	152.317	1.210	2746121.341	274928.187	137.771	779
98	159.48.25	92.26.50	140.482	1.210	2746130.353	274918.626	137.040	779
99	161.58.38	92.49.19	130.054	1.210	2746138.557	274910.367	136.635	779
100	165.11.16	93.11.54	119.951	1.210	2746146.296	274900.796	136.346	779
101	166.31.31	93.34.45	113.337	1.210	2746152.078	274896.536	135.962	779
102	172.59.44	93.13.22	125.160	1.210	2746138.050	274885.417	136.002	779
103	170.09.09	92.48.24	133.808	1.210	2746130.402	274893.035	136.486	779
104	167.56.59	92.32.2	144.731	1.210	2746120.676	274900.364	136.640	779
105	166.43.54	92.9.55	155.491	1.210	2746110.848	274905.840	137.164	779
106	180.10.48	92.34.59	149.842	1.210	2746112.391	274869.708	136.285	779
107	182.07.56	92.49.40	145.500	1.210	2746116.858	274864.771	135.860	779
108	139.31.15	85.29.25	19.689	1.210	2746247.150	274882.920	144.585	779
109	138.24.52	87.46.1	35.978	1.210	2746235.190	274894.040	144.439	779
110	149.18.44	94.10.45	26.782	1.210	2746239.110	274883.810	141.085	779
111	172.45.52	103.39.41	28.910	1.210	2746234.211	274873.716	136.209	779
112	145.06.28	92.55.29	40.456	1.210	2746228.940	274893.290	140.973	779
113	165.30.30	101.3.23	35.091	1.210	2746228.736	274878.796	136.307	779
114	139.33.54	88.34.16	51.439	1.210	2746222.940	274903.530	144.320	779
115	160.22.22	99.44.16	41.587	1.210	2746223.473	274883.946	136.003	779
116	139.27.40	88.52.47	58.448	1.210	2746217.670	274908.160	144.180	779
117	157.09.27	98.18.57	47.528	1.210	2746218.740	274888.434	136.163	779

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

光線法計算表

工程名稱:99年後池淤積測量工作

後視:S6-1		N:2746512.129		E:274632.570			後視方位角:316.27.41	
測站:S5-1		N:2746262.080		E:274870.178		Z:142.812	儀器高:1.435	
點號	方位角	垂直角	斜距	覘標高	縱座標(N)	橫座標(E)	高程(Z)	備註
118	138.50.54	88.59.19	65.312	1.210	2746212.910	274913.150	144.190	779
119	154.35.18	97.17.28	53.671	1.210	2746213.994	274893.023	136.226	779
120	152.09.47	96.16.13	61.496	1.210	2746208.026	274898.722	136.321	779
121	138.40.08	89.18.33	81.534	1.210	2746200.860	274924.020	144.021	779
122	149.45.11	95.41.52	67.221	1.210	2746204.297	274903.872	136.364	779
123	138.28.39	89.31.53	89.626	1.210	2746194.980	274929.590	143.771	779
124	149.20.44	95.10.52	74.961	1.210	2746197.858	274908.241	136.268	779
125	138.20.20	89.27.13	94.678	1.210	2746191.350	274933.110	143.940	779
126	148.13.15	94.46.24	81.158	1.210	2746193.328	274912.771	136.284	779
127	138.11.05	89.39.7	104.215	1.210	2746184.410	274939.660	143.671	779
128	144.22.01	93.16.20	91.246	1.210	2746188.040	274923.250	137.829	779
129	146.28.33	92.56.43	98.289	1.210	2746180.250	274924.390	137.987	779
130	140.35.05	91.28.55	107.341	1.210	2746179.180	274938.310	140.262	779
131	145.11.43	92.40.8	107.412	1.210	2746173.980	274931.420	138.036	779
132	137.52.56	89.42.54	125.270	1.210	2746169.160	274954.190	143.661	779
133	139.55.43	91.17.4	132.776	1.210	2746160.500	274955.630	140.062	779
134	138.04.40	89.49.33	142.477	1.210	2746156.070	274965.370	143.471	779
135	139.53.20	90.11.48	153.480	1.210	2746144.700	274969.060	142.512	779
136	144.00.59	91.10.6	149.910	1.210	2746140.800	274958.240	139.982	779
137	143.26.48	89.55.17	162.654	1.210	2746131.420	274967.050	143.262	779
138	148.26.43	90.30.36	164.826	1.210	2746121.630	274956.430	141.572	779
139	139.31.15	85.29.25	19.689	1.210	2746247.150	274882.920	144.585	779
140	164.49.05	95.35.57	20.574	1.210	2746242.319	274875.540	141.030	779
141	138.24.52	87.46.1	35.978	1.210	2746235.190	274894.040	144.439	779
142	141.48.06	87.33.3	30.465	1.210	2746238.160	274889.000	144.339	779
143	149.18.44	94.10.45	26.782	1.210	2746239.110	274883.810	141.085	779
144	155.03.02	97.11.30	31.598	1.210	2746233.656	274883.402	139.081	779
145	172.45.52	103.39.41	28.910	1.210	2746234.211	274873.716	136.209	779
146	140.19.31	88.33.20	45.332	1.210	2746227.200	274899.110	144.180	779
147	145.06.28	92.55.29	40.456	1.210	2746228.940	274893.290	140.973	779
148	152.40.56	96.20.41	37.476	1.210	2746228.987	274887.271	138.896	779
149	165.30.30	101.3.23	35.091	1.210	2746228.736	274878.796	136.307	779
150	139.33.54	88.34.16	51.439	1.210	2746222.940	274903.530	144.320	779
151	149.48.03	95.16.57	44.528	1.210	2746223.759	274892.481	138.938	779
152	160.22.22	99.44.16	41.587	1.210	2746223.473	274883.946	136.003	779
153	139.27.40	88.52.47	58.448	1.210	2746217.670	274908.160	144.180	779
154	146.17.45	93.40.37	51.614	1.210	2746219.230	274898.760	139.727	779
155	157.09.27	98.18.57	47.528	1.210	2746218.740	274888.434	136.163	779
156	138.50.54	88.59.19	65.312	1.210	2746212.910	274913.150	144.190	779

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

光線法計算表

工程名稱:99年後池淤積測量工作

後視:S6-1		N:2746512.129		E:274632.570			後視方位角:316.27.41	
測站:S5-1		N:2746262.080		E:274870.178		Z:142.812	儀器高:1.435	
點號	方位角	垂直角	斜距	覘標高	縱座標(N)	橫座標(E)	高程(Z)	備註
157	145.33.45	93.30.45	58.273	1.210	2746214.110	274903.070	139.467	779
158	154.35.18	97.17.28	53.671	1.210	2746213.994	274893.023	136.226	779
159	144.20.11	93.1.51	65.856	1.210	2746208.650	274908.520	139.555	779
160	152.09.47	96.16.13	61.496	1.210	2746208.026	274898.722	136.321	779
161	138.40.08	89.18.33	81.534	1.210	2746200.860	274924.020	144.021	779
162	140.17.06	91.6.17	76.077	1.210	2746203.570	274918.780	141.571	779
163	143.23.08	92.37.0	72.360	1.210	2746204.060	274913.290	139.734	779
164	149.45.11	95.41.52	67.221	1.210	2746204.297	274903.872	136.364	779
165	138.28.39	89.31.53	89.626	1.210	2746194.980	274929.590	143.771	779
166	145.32.02	93.45.23	77.478	1.210	2746198.339	274913.930	137.961	779
167	149.20.44	95.10.52	74.961	1.210	2746197.858	274908.241	136.268	779
168	138.20.20	89.27.13	94.678	1.210	2746191.350	274933.110	143.940	779
169	148.13.15	94.46.24	81.158	1.210	2746193.328	274912.771	136.284	779
170	138.11.05	89.39.7	104.215	1.210	2746184.410	274939.660	143.671	779
171	141.29.27	91.50.6	93.235	1.210	2746189.160	274928.200	140.052	779
172	144.22.01	93.16.20	91.246	1.210	2746188.040	274923.250	137.829	779
173	138.04.45	89.35.47	109.764	1.210	2746180.410	274943.510	143.811	779
174	146.28.33	92.56.43	98.289	1.210	2746180.250	274924.390	137.987	779
175	140.35.05	91.28.55	107.341	1.210	2746179.180	274938.310	140.262	779
176	139.55.11	91.12.2	119.154	1.210	2746170.930	274946.880	140.541	779
177	140.34.43	91.30.57	114.008	1.210	2746174.040	274942.550	140.022	779
178	145.11.43	92.40.8	107.412	1.210	2746173.980	274931.420	138.036	779
179	137.52.56	89.42.54	125.270	1.210	2746169.160	274954.190	143.661	779
180	137.48.53	89.50.48	135.619	1.210	2746161.590	274961.250	143.401	779
181	139.55.43	91.17.4	132.776	1.210	2746160.500	274955.630	140.062	779
182	138.04.40	89.49.33	142.477	1.210	2746156.070	274965.370	143.471	779
183	139.53.20	90.11.48	153.480	1.210	2746144.700	274969.060	142.512	779
184	141.00.41	89.52.44	157.577	1.210	2746139.600	274969.320	143.372	779
185	144.00.59	91.10.6	149.910	1.210	2746140.800	274958.240	139.982	779
186	143.26.48	89.55.17	162.654	1.210	2746131.420	274967.050	143.262	779
187	146.17.14	89.51.27	165.924	1.210	2746124.060	274962.270	143.452	779
188	148.26.43	90.30.36	164.826	1.210	2746121.630	274956.430	141.572	779
189	150.04.50	89.50.20	168.254	1.210	2746116.250	274954.100	143.512	779
190	153.15.31	91.18.26	163.326	1.210	2746116.260	274943.650	139.313	779
191	153.02.47	89.50.27	170.389	1.210	2746110.200	274947.410	143.512	779
192	154.49.30	89.48.27	170.628	1.210	2746107.660	274942.760	143.612	779
193	150.13.10	90.26.8	181.628	1.210	2746104.443	274960.386	141.659	779
194	143.19.14	90.4.19	194.969	1.210	2746105.717	274986.640	142.795	779
195	148.41.58	89.32.7	189.711	1.210	2746099.986	274968.735	144.578	779

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

光線法計算表

工程名稱:99年後池淤積測量工作

後視:S6-1		N:2746512.129		E:274632.570			後視方位角:316.27.41	
測站:S5-1		N:2746262.080		E:274870.178		Z:142.812	儀器高:1.435	
點號	方位角	垂直角	斜距	覘標高	縱座標(N)	橫座標(E)	高程(Z)	備註
196	154.49.10	90.9.26	184.894	1.210	2746094.757	274948.845	142.532	779
197	154.05.45	90.6.37	182.177	1.210	2746098.207	274949.765	142.689	779
198	157.55.03	89.41.27	194.094	1.210	2746082.227	274943.145	144.087	779
199	151.24.36	87.45.33	202.155	1.210	2746084.711	274966.843	150.944	779
200	148.10.19	88.27.0	196.590	1.210	2746095.111	274973.816	148.357	779
201	151.55.17	88.27.17	195.900	1.210	2746089.300	274962.351	148.322	779
202	153.26.48	87.25.44	206.264	1.210	2746077.759	274962.291	152.293	779
203	158.00.03	87.32.15	213.625	1.210	2746064.192	274950.127	152.219	779
204	160.47.53	87.50.1	215.877	1.210	2746058.359	274941.129	151.201	779
205	158.27.24	88.36.21	201.719	1.210	2746074.508	274944.228	147.948	779
206	161.38.43	88.34.40	205.018	1.210	2746067.552	274934.718	148.128	779
207	166.26.32	91.56.28	167.103	1.210	2746099.727	274909.329	137.379	779
208	156.27.02	90.44.50	169.238	1.210	2746106.950	274937.790	140.832	779
209	157.07.32	89.56.59	174.221	1.210	2746101.560	274937.900	143.192	779
210	162.51.29	91.9.13	174.160	1.210	2746095.690	274921.500	139.533	779
211	165.52.53	91.26.35	176.919	1.210	2746090.560	274913.320	138.584	779
212	164.02.31	89.46.38	183.399	1.210	2746085.750	274920.600	143.752	779
213	156.27.02	90.44.50	169.238	1.210	2746106.950	274937.790	140.832	779
214	157.07.32	89.56.59	174.221	1.210	2746101.560	274937.900	143.192	779
215	159.46.52	89.47.14	175.900	1.210	2746097.020	274930.970	143.692	779
216	162.51.29	91.9.13	174.160	1.210	2746095.690	274921.500	139.533	779
217	162.23.41	89.46.50	180.894	1.210	2746089.660	274924.890	143.732	779
218	165.52.53	91.26.35	176.919	1.210	2746090.560	274913.320	138.584	779
219	164.02.31	89.46.38	183.399	1.210	2746085.750	274920.600	143.752	779
220	165.48.45	89.46.51	186.345	1.210	2746081.420	274915.850	143.752	779

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

光線法計算表

工程名稱:99年後池淤積測量工作

後視:SA02		N:2745905.299		E:274723.703			後視方位角:82.21.50	
測站:SA03-1		N:2745871.722		E:274473.262		Z:143.779	儀器高:1.356	
點號	方位角	垂直角	斜距	覘標高	縱座標(N)	橫座標(E)	高程(Z)	備註
1	68.53.29	89.45.18	455.421	2.120	2746035.735	274898.120	144.977	779
2	67.00.45	90.2.10	435.019	2.120	2746041.611	274873.736	142.754	779
3	66.55.53	90.2.25	467.120	2.120	2746054.756	274903.029	142.702	779
4	67.44.36	90.2.8	449.992	2.120	2746042.160	274889.728	142.750	779
5	69.38.00	90.9.48	417.254	2.120	2746016.937	274864.429	141.838	779
6	69.07.51	90.3.51	432.644	2.120	2746025.845	274877.522	142.544	779
7	69.49.53	90.1.6	395.643	2.120	2746008.134	274844.645	142.899	779
8	71.27.52	90.1.33	385.163	2.120	2745994.163	274838.445	142.852	779
9	73.30.56	90.1.6	366.175	2.120	2745975.627	274824.386	142.907	779
10	74.04.13	90.2.46	364.981	2.120	2745971.894	274824.227	142.731	779
11	70.49.42	88.26.2	478.449	2.120	2746028.787	274925.007	156.107	779
12	71.04.35	88.25.38	462.825	2.120	2746021.764	274910.907	155.733	779
13	69.57.11	89.4.58	470.471	2.120	2746032.975	274915.171	150.562	779
14	70.38.00	88.52.23	439.814	2.120	2746017.542	274888.109	151.679	779
15	72.47.53	88.29.40	420.088	2.120	2745995.917	274874.420	154.065	779
16	73.19.46	89.13.37	392.230	2.120	2745984.231	274848.972	148.318	779
17	72.04.29	88.33.47	433.347	2.120	2746005.055	274885.444	153.895	779
18	71.16.02	88.53.30	429.821	2.120	2746009.736	274880.238	151.342	779
19	71.42.18	89.20.12	415.097	2.120	2746002.017	274867.350	147.833	779
20	58.36.06	90.55.13	441.162	2.120	2746101.532	274849.774	135.943	779
21	59.44.15	91.5.44	443.087	2.120	2746094.981	274855.897	134.557	779
22	60.57.38	90.48.14	443.871	2.120	2746087.162	274861.294	136.801	779
23	62.20.56	90.45.25	443.443	2.120	2746077.501	274866.025	137.170	779
24	64.00.56	90.41.35	446.898	2.120	2746067.506	274874.955	137.623	779
25	64.50.46	90.40.32	448.392	2.120	2746062.299	274879.104	137.742	779
26	64.18.27	90.45.5	425.675	2.120	2746056.254	274856.819	137.445	779
27	62.48.38	90.48.34	421.829	2.120	2746064.451	274848.442	137.068	779
28	61.24.50	90.52.42	419.825	2.120	2746072.577	274841.867	136.592	779
29	59.45.56	90.59.38	416.874	2.120	2746081.603	274833.375	135.796	779
30	60.15.48	91.0.22	399.256	2.120	2746069.729	274819.888	136.016	779
31	61.43.03	90.55.34	400.739	2.120	2746061.575	274826.115	136.549	779
32	63.21.26	90.51.18	401.754	2.120	2746051.860	274832.317	137.031	779
33	64.51.16	90.49.13	404.850	2.120	2746043.733	274839.707	137.231	779
34	67.49.42	90.47.30	383.718	2.120	2746016.517	274828.572	137.724	779
35	66.04.35	90.51.31	378.514	2.120	2746025.200	274819.217	137.353	779
36	64.38.53	90.56.11	374.905	2.120	2746032.227	274812.016	136.898	779
37	63.16.10	91.1.45	372.183	2.120	2746039.102	274805.617	136.340	779
38	61.21.18	91.6.54	366.667	2.120	2746047.462	274794.990	135.889	779
39	61.40.34	91.9.8	352.549	2.120	2746038.957	274783.541	135.935	779

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

光線法計算表

工程名稱:99年後池淤積測量工作

後視:SA02		N:2745905.299		E:274723.703			後視方位角:82.21.50	
測站:SA03-1		N:2745871.722		E:274473.262		Z:143.779	儀器高:1.356	
點號	方位角	垂直角	斜距	覘標高	縱座標(N)	橫座標(E)	高程(Z)	備註
40	63.17.14	91.5.39	354.301	2.120	2746030.958	274789.691	136.258	779
41	64.46.00	91.0.9	357.179	2.120	2746023.966	274796.309	136.775	779
42	66.33.34	90.53.42	359.353	2.120	2746014.655	274802.918	137.411	779
43	67.57.25	90.51.30	361.777	2.120	2746007.483	274808.556	137.605	779
44	68.26.46	90.53.50	339.633	2.120	2745996.480	274789.107	137.705	779
45	66.51.15	90.59.29	333.949	2.120	2746002.969	274780.285	137.245	779
46	65.19.13	91.5.36	328.555	2.120	2746008.884	274771.751	136.754	779
47	63.45.13	91.13.4	325.103	2.120	2746015.461	274764.781	136.113	779
48	64.18.24	91.22.43	304.330	2.120	2746003.628	274747.423	135.700	779
49	62.59.36	91.15.33	324.075	2.120	2746018.847	274761.928	135.901	779
50	65.22.57	91.17.31	306.553	2.120	2745999.387	274751.881	136.110	779
51	67.37.29	91.4.58	308.620	2.120	2745989.184	274758.595	137.190	779
52	70.30.26	90.56.18	316.723	2.120	2745977.395	274771.791	137.835	779
53	68.48.15	91.0.46	311.184	2.120	2745984.216	274763.349	137.522	779
54	72.00.18	90.54.28	320.941	2.120	2745970.860	274778.465	137.938	779
55	64.54.18	90.18.10	466.709	2.120	2746069.660	274895.910	140.564	779
56	65.43.41	89.53.47	461.185	2.120	2746061.301	274893.680	143.864	779
57	65.58.09	89.54.0	455.488	2.120	2746057.210	274889.270	143.824	779
58	66.12.03	90.0.30	449.349	2.120	2746053.049	274884.400	142.964	779
59	66.00.39	90.21.34	437.671	2.120	2746049.660	274873.120	140.283	779
60	66.07.37	90.25.16	431.966	2.120	2746046.540	274868.260	139.853	779
61	67.08.29	89.52.11	428.870	2.120	2746038.320	274868.450	144.003	779
62	67.24.56	89.52.34	423.278	2.120	2746034.280	274864.080	143.943	779
63	67.15.52	90.21.29	410.372	2.120	2746030.320	274851.740	140.462	779
64	67.32.16	90.29.58	399.826	2.120	2746024.480	274842.740	139.541	779
65	68.19.34	89.50.48	405.304	2.120	2746021.410	274849.910	144.111	779
66	68.48.42	89.49.3	396.998	2.120	2746015.211	274843.420	144.291	779
67	68.42.24	90.26.29	381.009	2.120	2746010.079	274828.250	140.090	779
68	69.04.59	90.31.58	374.728	2.120	2746005.500	274823.280	139.540	779
69	69.41.27	90.23.3	367.779	2.120	2745999.371	274818.170	140.559	779
70	70.09.59	90.21.21	361.488	2.120	2745994.369	274813.300	140.779	779
71	71.09.49	89.51.31	358.625	2.120	2745987.510	274812.680	143.909	779
72	70.39.34	90.41.22	344.482	2.120	2745985.800	274798.280	138.878	779
73	71.46.17	89.50.2	350.141	2.120	2745981.249	274805.830	144.039	779
74	72.11.08	89.49.59	344.508	2.120	2745977.119	274801.250	144.027	779
75	73.04.07	89.48.30	333.412	2.120	2745968.820	274792.220	144.138	779
76	64.54.18	90.18.10	466.709	2.120	2746069.660	274895.910	140.564	779
77	65.32.31	89.54.8	466.050	2.120	2746064.680	274897.490	143.825	779
78	65.03.42	90.25.20	456.768	2.120	2746064.310	274887.430	139.664	779

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

光線法計算表

工程名稱:99年後池淤積測量工作

後視:SA02		N:2745905.299		E:274723.703			後視方位角:82.21.50	
測站:SA03-1		N:2745871.722		E:274473.262		Z:143.779	儀器高:1.356	
點號	方位角	垂直角	斜距	覘標高	縱座標(N)	橫座標(E)	高程(Z)	備註
79	65.43.41	89.53.47	461.185	2.120	2746061.301	274893.680	143.864	779
80	65.20.38	90.25.1	450.084	2.120	2746059.480	274882.300	139.754	779
81	65.58.09	89.54.0	455.488	2.120	2746057.210	274889.270	143.824	779
82	65.38.59	90.22.4	445.003	2.120	2746055.200	274878.670	140.172	779
83	66.12.03	90.0.30	449.349	2.120	2746053.049	274884.400	142.964	779
84	66.00.39	90.21.34	437.671	2.120	2746049.660	274873.120	140.283	779
85	66.28.55	89.53.55	443.259	2.120	2746048.599	274879.700	143.813	779
86	66.44.53	89.52.2	437.384	2.120	2746044.391	274875.120	144.042	779
87	66.07.37	90.25.16	431.966	2.120	2746046.540	274868.260	139.853	779
88	66.33.57	90.22.8	424.751	2.120	2746040.640	274862.970	140.293	779
89	67.08.29	89.52.11	428.870	2.120	2746038.320	274868.450	144.003	779
90	66.54.26	90.21.52	417.598	2.120	2746035.510	274857.390	140.371	779
91	67.24.56	89.52.34	423.278	2.120	2746034.280	274864.080	143.943	779
92	67.44.30	89.54.36	416.407	2.120	2746029.450	274858.640	143.681	779
93	67.15.52	90.21.29	410.372	2.120	2746030.320	274851.740	140.462	779
94	68.01.10	89.51.56	411.306	2.120	2746025.671	274854.670	143.992	779
95	67.32.16	90.29.58	399.826	2.120	2746024.480	274842.740	139.541	779
96	68.19.34	89.50.48	405.304	2.120	2746021.410	274849.910	144.111	779
97	68.48.42	89.49.3	396.998	2.120	2746015.211	274843.420	144.291	779
98	69.11.02	89.53.0	389.814	2.120	2746010.250	274837.630	143.819	779
99	68.42.24	90.26.29	381.009	2.120	2746010.079	274828.250	140.090	779
100	69.30.52	89.51.1	384.196	2.120	2746006.180	274833.160	144.029	779
101	69.04.59	90.31.58	374.728	2.120	2746005.500	274823.280	139.540	779
102	69.51.56	89.49.15	378.991	2.120	2746002.180	274829.090	144.210	779
103	69.58.21	90.5.46	372.899	2.120	2745999.429	274823.610	142.399	779
104	69.41.27	90.23.3	367.779	2.120	2745999.371	274818.170	140.559	779
105	70.29.55	89.47.51	368.924	2.120	2745994.880	274821.020	144.329	779
106	70.09.59	90.21.21	361.488	2.120	2745994.369	274813.300	140.779	779
107	70.23.00	90.36.31	350.744	2.120	2745989.470	274803.630	139.298	779
108	71.09.49	89.51.31	358.625	2.120	2745987.510	274812.680	143.909	779
109	70.39.34	90.41.22	344.482	2.120	2745985.800	274798.280	138.878	779
110	71.46.17	89.50.2	350.141	2.120	2745981.249	274805.830	144.039	779
111	71.23.53	90.34.26	338.044	2.120	2745979.550	274793.630	139.637	779
112	72.11.08	89.49.59	344.508	2.120	2745977.119	274801.250	144.027	779
113	71.56.51	90.32.35	331.806	2.120	2745974.541	274788.720	139.878	779
114	72.39.37	89.50.24	338.409	2.120	2745972.580	274796.290	143.968	779
115	72.33.01	90.30.2	325.678	2.120	2745969.379	274783.940	140.177	779
116	73.04.07	89.48.30	333.412	2.120	2745968.820	274792.220	144.138	779
117	82.30.18	89.57.33	281.849	2.120	2745908.487	274752.703	143.222	779

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

光線法計算表

工程名稱:99年後池淤積測量工作

後視:SA02		N:2745905.299		E:274723.703			後視方位角:82.21.50	
測站:SA03-1		N:2745871.722		E:274473.262		Z:143.779	儀器高:1.356	
點號	方位角	垂直角	斜距	覘標高	縱座標(N)	橫座標(E)	高程(Z)	備註
118	84.27.58	89.48.47	278.572	2.120	2745898.586	274750.534	143.930	779
119	83.26.12	90.1.0	271.673	2.120	2745902.775	274743.154	142.941	779
120	79.37.40	89.16.33	331.883	2.120	2745931.471	274799.696	147.217	779
121	78.23.56	89.36.16	342.695	2.120	2745940.636	274808.948	145.389	779
122	76.19.51	89.57.41	338.302	2.120	2745951.668	274801.982	143.251	779
123	77.31.53	89.55.25	341.750	2.120	2745945.508	274806.951	143.479	779
124	79.16.40	89.59.12	312.412	2.120	2745929.846	274780.219	143.095	779
125	74.12.46	90.2.45	354.754	2.120	2745968.239	274814.634	142.740	779
126	75.15.22	90.2.38	344.234	2.120	2745959.330	274806.161	142.760	779
127	83.44.58	89.17.16	299.664	2.120	2745904.346	274771.122	146.746	779
128	81.01.24	89.16.26	318.936	2.120	2745921.483	274788.266	147.064	779
129	81.29.26	89.58.31	294.155	2.120	2745915.249	274764.179	143.148	779
130	79.44.20	90.0.15	301.406	2.120	2745925.413	274769.847	143.000	779
131	75.10.02	88.23.36	384.038	2.120	2745969.997	274844.357	153.793	779
132	76.14.32	88.38.33	370.555	2.120	2745959.822	274833.084	151.803	779
133	77.02.43	89.4.0	361.973	2.120	2745952.859	274825.975	148.920	779
134	81.32.55	89.12.34	312.133	2.120	2745917.592	274781.976	147.329	779
135	78.25.02	91.4.46	258.033	2.120	2745923.522	274725.995	138.159	779
136	75.49.17	91.11.1	253.200	2.120	2745933.729	274718.696	137.790	779
137	73.09.05	91.21.55	249.356	2.120	2745943.976	274711.846	137.078	779
138	70.43.17	91.31.32	246.259	2.120	2745952.999	274705.629	136.463	779
139	67.46.33	91.40.10	241.584	2.120	2745963.058	274696.804	135.981	779
140	66.36.23	91.31.1	266.793	2.120	2745977.614	274718.038	135.958	779
141	67.54.00	91.22.40	268.187	2.120	2745972.591	274721.673	136.572	779
142	70.41.22	91.14.23	274.370	2.120	2745962.432	274732.135	137.084	779
143	72.05.22	91.9.25	278.803	2.120	2745957.446	274738.499	137.391	779
144	74.00.34	91.2.8	282.569	2.120	2745949.552	274744.853	137.914	779
145	75.06.26	91.1.27	286.108	2.120	2745945.244	274749.715	137.907	779
146	73.11.01	90.56.37	306.608	2.120	2745960.414	274766.719	137.972	779
147	71.45.30	90.56.8	303.568	2.120	2745966.734	274761.536	138.065	779
148	70.03.33	91.3.52	298.702	2.120	2745973.577	274754.007	137.472	779
149	68.45.37	91.8.21	295.548	2.120	2745978.770	274748.680	137.146	779
150	67.39.11	91.14.34	292.038	2.120	2745982.733	274743.304	136.687	779
151	65.39.43	91.24.18	288.772	2.120	2745990.695	274736.291	135.941	779
152	72.58.54	90.35.1	318.616	2.120	2745964.969	274777.910	139.777	779
153	73.50.49	89.45.33	324.470	2.120	2745961.991	274784.920	144.386	779
154	74.16.10	89.47.29	319.746	2.120	2745958.409	274781.030	144.187	779
155	74.20.37	90.26.50	306.966	2.120	2745954.560	274768.830	140.626	779
156	75.27.26	89.48.58	306.562	2.120	2745948.701	274770.000	144.006	779

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

光線法計算表

工程名稱:99年後池淤積測量工作

後視:SA02		N:2745905.299		E:274723.703			後視方位角:82.21.50	
測站:SA03-1		N:2745871.722		E:274473.262		Z:143.779	儀器高:1.356	
點號	方位角	垂直角	斜距	覘標高	縱座標(N)	橫座標(E)	高程(Z)	備註
157	76.04.13	89.46.15	301.033	2.120	2745944.190	274765.440	144.226	779
158	76.49.11	89.48.49	293.522	2.120	2745938.650	274759.050	143.976	779
159	77.05.24	90.21.28	282.781	2.120	2745934.900	274748.890	141.255	779
160	78.06.48	89.42.19	282.694	2.120	2745929.950	274749.890	144.475	779
161	78.38.08	89.43.53	278.195	2.120	2745926.540	274746.000	144.325	779
162	79.26.25	89.44.16	272.058	2.120	2745921.579	274740.710	144.266	779
163	80.25.05	89.39.56	264.624	2.120	2745915.770	274734.190	144.565	779
164	72.58.54	90.35.1	318.616	2.120	2745964.969	274777.910	139.777	779
165	73.50.49	89.45.33	324.470	2.120	2745961.991	274784.920	144.386	779
166	73.44.49	90.27.10	313.205	2.120	2745959.380	274773.940	140.547	779
167	74.16.10	89.47.29	319.746	2.120	2745958.409	274781.030	144.187	779
168	74.41.35	89.46.5	315.005	2.120	2745954.880	274777.090	144.297	779
169	74.20.37	90.26.50	306.966	2.120	2745954.560	274768.830	140.626	779
170	74.54.01	90.16.31	300.724	2.120	2745950.060	274763.600	141.577	779
171	75.27.26	89.48.58	306.562	2.120	2745948.701	274770.000	144.006	779
172	75.38.13	90.25.50	294.801	2.120	2745944.850	274758.840	140.806	779
173	76.04.13	89.46.15	301.033	2.120	2745944.190	274765.440	144.226	779
174	76.20.21	90.24.38	288.260	2.120	2745939.800	274753.360	140.956	779
175	76.49.11	89.48.49	293.522	2.120	2745938.650	274759.050	143.976	779
176	77.23.48	89.43.45	288.718	2.120	2745934.720	274755.020	144.386	779
177	77.05.24	90.21.28	282.781	2.120	2745934.900	274748.890	141.255	779
178	78.06.48	89.42.19	282.694	2.120	2745929.950	274749.890	144.475	779
179	78.38.08	89.43.53	278.195	2.120	2745926.540	274746.000	144.325	779
180	79.26.25	89.44.16	272.058	2.120	2745921.579	274740.710	144.266	779
181	79.23.13	90.40.12	259.596	2.120	2745919.530	274728.400	139.984	779
182	80.25.05	89.39.56	264.624	2.120	2745915.770	274734.190	144.565	779
183	81.16.03	89.40.17	258.782	2.120	2745911.010	274729.040	144.504	779
184	81.54.27	89.42.22	254.445	2.120	2745907.541	274725.170	144.325	779
185	81.54.27	89.42.22	254.445	2.120	2745907.541	274725.170	144.325	779
186	87.02.18	89.46.29	265.591	2.120	2745885.445	274738.496	144.064	779
187	86.36.29	90.0.5	237.556	2.120	2745885.778	274710.402	143.014	779
188	85.15.31	90.1.6	258.970	2.120	2745893.128	274731.346	142.937	779
189	83.42.12	89.41.14	242.605	2.120	2745898.330	274714.400	144.344	779
190	84.32.09	89.43.5	236.686	2.120	2745894.260	274708.870	144.184	779
191	83.13.20	90.31.1	236.651	2.120	2745899.651	274708.250	140.884	779
192	83.42.12	89.41.14	242.605	2.120	2745898.330	274714.400	144.344	779
193	84.14.26	90.41.45	226.096	2.120	2745894.410	274698.200	140.273	779
194	84.32.09	89.43.5	236.686	2.120	2745894.260	274708.870	144.184	779
195	85.45.51	89.39.58	227.293	2.120	2745888.510	274699.930	144.343	779

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

光線法計算表

工程名稱:99年後池淤積測量工作

後視:SA02		N:2745905.299		E:274723.703			後視方位角:82.21.50	
測站:SA03-1		N:2745871.722		E:274473.262		Z:143.779	儀器高:1.356	
點號	方位角	垂直角	斜距	覘標高	縱座標(N)	橫座標(E)	高程(Z)	備註
196	86.32.50	89.38.17	220.803	2.120	2745885.020	274693.660	144.414	779
197	89.04.02	90.0.57	200.216	2.120	2745874.982	274673.451	142.963	779
198	98.41.00	89.54.10	187.096	2.120	2745843.476	274658.213	143.335	779
199	89.48.10	89.57.14	218.236	2.120	2745872.474	274691.497	143.194	779
200	92.54.05	89.57.23	215.823	2.120	2745860.798	274688.808	143.183	779
201	102.45.38	89.46.32	138.726	2.120	2745841.081	274608.561	143.560	779
202	96.48.56	89.52.13	169.831	2.120	2745851.568	274641.892	143.402	779
203	99.48.09	89.50.38	144.745	2.120	2745847.079	274615.893	143.411	779
204	92.36.50	89.55.58	118.146	2.120	2745866.334	274591.285	143.155	779
205	103.13.37	89.44.23	120.807	2.120	2745844.081	274590.863	143.565	779
206	93.18.47	89.53.16	153.866	2.120	2745862.830	274626.871	143.318	779
207	95.34.54	90.0.39	156.819	2.120	2745856.469	274629.337	142.987	779
208	99.43.06	89.52.28	161.771	2.120	2745844.415	274632.711	143.372	779
209	72.51.46	93.12.28	123.080	2.120	2745907.932	274590.693	136.129	779
210	77.01.52	93.0.31	128.032	2.120	2745900.416	274597.856	136.297	779
211	81.22.44	92.47.24	128.679	2.120	2745890.988	274600.337	136.753	779
212	84.40.14	92.1.22	129.381	2.120	2745883.732	274602.003	138.450	779
213	86.59.14	91.34.12	159.683	2.120	2745880.112	274632.664	138.642	779
214	84.32.26	91.48.17	160.401	2.120	2745886.975	274632.856	137.966	779
215	79.26.38	92.7.43	159.314	2.120	2745900.888	274629.771	137.100	779
216	76.23.31	92.16.21	158.024	2.120	2745908.873	274626.729	136.751	779
217	73.22.05	92.25.50	157.831	2.120	2745916.856	274624.354	136.324	779
218	69.04.34	92.40.16	153.868	2.120	2745926.613	274616.827	135.846	779
219	72.34.52	92.14.12	180.425	2.120	2745925.692	274645.282	135.976	779
220	75.23.19	92.5.48	179.857	2.120	2745917.063	274647.185	136.437	779
221	78.31.28	91.56.49	181.846	2.120	2745907.880	274651.370	136.840	779
222	82.55.50	91.41.46	183.999	2.120	2745894.358	274655.782	137.572	779
223	86.05.59	91.25.41	187.922	2.120	2745884.501	274660.691	138.335	779
224	84.25.26	91.18.25	211.455	2.120	2745892.264	274683.661	138.196	779
225	81.05.44	91.31.42	207.420	2.120	2745903.817	274678.109	137.486	779
226	77.54.03	91.40.20	204.016	2.120	2745914.467	274672.661	137.065	779
227	75.14.53	91.51.5	203.427	2.120	2745923.495	274669.880	136.446	779
228	71.56.35	91.57.15	199.866	2.120	2745933.637	274663.173	136.203	779
229	70.37.53	92.1.53	198.628	2.120	2745937.555	274660.530	135.977	779
230	70.42.49	91.50.0	223.359	2.120	2745945.458	274683.978	135.873	779
231	74.06.16	91.37.22	226.412	2.120	2745933.708	274690.929	136.607	779
232	76.50.32	91.21.35	231.937	2.120	2745924.504	274699.046	137.515	779
233	79.16.20	91.12.16	238.372	2.120	2745916.084	274707.416	138.009	779
234	80.37.50	91.9.4	242.104	2.120	2745911.129	274712.088	138.156	779

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

光線法計算表

工程名稱:99年後池淤積測量工作

後視:SA02		N:2745905.299		E:274723.703			後視方位角:82.21.50	
測站:SA03-1		N:2745871.722		E:274473.262		Z:143.779	儀器高:1.356	
點號	方位角	垂直角	斜距	覘標高	縱座標(N)	橫座標(E)	高程(Z)	備註
235	87.55.50	89.33.4	207.350	2.120	2745879.210	274680.470	144.643	779
236	87.35.53	89.40.56	121.647	2.120	2745876.820	274594.800	143.691	779
237	89.56.08	89.34.44	184.313	2.120	2745871.930	274657.570	144.372	779
238	90.44.05	89.30.45	168.638	2.120	2745869.560	274641.880	144.452	779
239	90.45.35	89.18.43	126.128	2.120	2745870.050	274599.370	144.531	779
240	91.02.15	89.29.2	149.229	2.120	2745869.020	274622.460	144.361	779
241	81.13.20	90.37.39	247.896	2.120	2745909.550	274718.240	140.305	779
242	82.14.46	90.34.42	242.286	2.120	2745904.409	274713.320	140.574	779
243	85.19.25	90.44.47	216.116	2.120	2745889.340	274688.640	140.203	779
244	86.30.46	90.30.58	209.254	2.120	2745884.450	274682.120	141.134	779
245	87.05.55	89.36.42	216.090	2.120	2745882.660	274689.070	144.483	779
246	87.48.42	90.16.46	200.036	2.120	2745879.360	274673.150	142.043	779
247	86.04.39	90.39.47	111.076	2.120	2745879.320	274584.070	141.731	779
248	87.55.50	89.33.4	207.350	2.120	2745879.210	274680.470	144.643	779
249	89.13.28	89.36.38	193.400	2.120	2745874.340	274666.640	144.333	779
250	89.06.29	90.18.5	179.722	2.120	2745874.520	274652.960	142.072	779
251	87.35.53	89.40.56	121.647	2.120	2745876.820	274594.800	143.691	779
252	89.56.08	89.34.44	184.313	2.120	2745871.930	274657.570	144.372	779
253	90.26.40	89.30.10	175.650	2.120	2745870.360	274648.900	144.542	779
254	90.44.05	89.30.45	168.638	2.120	2745869.560	274641.880	144.452	779
255	90.51.09	89.34.47	161.450	2.120	2745869.320	274634.690	144.201	779
256	90.53.43	89.23.42	139.653	2.120	2745869.540	274612.890	144.491	779
257	90.49.13	89.21.35	132.860	2.120	2745869.820	274606.100	144.501	779
258	90.45.35	89.18.43	126.128	2.120	2745870.050	274599.370	144.531	779
259	90.26.45	89.13.1	110.822	2.120	2745870.860	274584.070	144.531	779
260	91.02.36	89.29.30	156.090	2.120	2745868.880	274629.320	144.402	779
261	91.02.15	89.29.2	149.229	2.120	2745869.020	274622.460	144.361	779
262	105.41.37	89.45.36	102.780	2.120	2745843.921	274572.210	143.447	779
263	101.53.09	89.46.5	108.589	2.120	2745849.357	274579.522	143.456	779
264	98.26.31	89.51.9	112.421	2.120	2745855.218	274584.465	143.306	779
265	94.44.50	89.52.39	90.493	2.120	2745864.233	274563.444	143.209	779
266	111.41.38	89.30.28	78.878	2.120	2745842.566	274546.551	143.694	779
267	92.36.38	89.37.6	75.900	2.120	2745868.265	274549.082	143.521	779
268	102.37.18	89.40.33	90.564	2.120	2745851.933	274561.636	143.528	779
269	107.36.19	89.29.0	74.229	2.120	2745849.272	274544.011	143.685	779
270	102.53.02	89.31.42	64.211	2.120	2745857.405	274535.854	143.544	779
271	81.25.23	92.28.35	66.972	2.120	2745881.701	274539.423	140.122	779
272	77.26.06	93.43.14	70.006	2.120	2745886.919	274541.447	138.473	779
273	73.51.20	95.4.9	71.712	2.120	2745891.584	274541.876	136.679	779

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

光線法計算表

工程名稱:99年後池淤積測量工作

後視:SA02		N:2745905.299		E:274723.703			後視方位角:82.21.50	
測站:SA03-1		N:2745871.722		E:274473.262		Z:143.779	儀器高:1.356	
點號	方位角	垂直角	斜距	覘標高	縱座標(N)	橫座標(E)	高程(Z)	備註
274	81.57.48	92.52.18	84.397	2.120	2745883.507	274556.725	138.788	779
275	79.09.28	93.18.21	85.637	2.120	2745887.804	274557.230	138.078	779
276	76.17.57	94.50.29	85.838	2.120	2745891.980	274556.360	135.771	779
277	79.32.35	92.49.22	107.651	2.120	2745891.237	274578.996	137.715	779
278	76.18.34	93.36.14	108.520	2.120	2745897.356	274578.490	136.195	779
279	84.40.35	90.1.10	103.987	2.120	2745881.370	274576.800	142.981	779
280	85.58.44	89.32.25	87.817	2.120	2745877.880	274560.860	143.721	779
281	89.42.38	89.4.2	98.562	2.120	2745872.220	274571.810	144.621	779
282	89.00.18	89.31.3	74.162	2.120	2745873.010	274547.410	143.640	779
283	84.40.35	90.1.10	103.987	2.120	2745881.370	274576.800	142.981	779
284	85.20.43	89.50.39	97.199	2.120	2745879.610	274570.140	143.280	779
285	85.58.44	89.32.25	87.817	2.120	2745877.880	274560.860	143.721	779
286	87.05.48	89.25.2	67.288	2.120	2745875.130	274540.460	143.700	779
287	89.42.38	89.4.2	98.562	2.120	2745872.220	274571.810	144.621	779
288	88.37.30	89.34.37	83.254	2.120	2745873.720	274556.490	143.631	779
289	89.00.18	89.31.3	74.162	2.120	2745873.010	274547.410	143.640	779
290	92.01.22	89.8.51	37.402	2.120	2745870.402	274510.637	143.572	779
291	108.03.22	89.21.11	60.008	2.120	2745853.124	274530.311	143.693	779
292	94.21.39	89.30.57	54.491	2.120	2745867.579	274527.593	143.476	779
293	63.36.56	97.22.42	51.783	2.120	2745894.543	274519.266	136.366	779
294	70.58.44	94.42.31	54.456	2.120	2745889.410	274524.571	138.545	779
295	76.39.11	93.25.57	57.275	2.120	2745884.920	274528.890	139.586	779
296	70.23.38	94.40.2	38.895	2.120	2745884.730	274509.781	139.851	779
297	79.19.08	92.13.39	43.076	2.120	2745879.700	274515.560	141.341	779
298	86.33.42	89.18.23	60.662	2.120	2745875.360	274533.810	143.750	779
299	87.37.17	89.10.47	45.011	2.120	2745873.590	274518.230	143.660	779
300	66.25.22	96.42.16	57.042	2.120	2745894.382	274525.185	136.356	779
301	63.36.56	97.22.42	51.783	2.120	2745894.543	274519.266	136.366	779
302	73.45.56	93.52.33	63.845	2.120	2745889.530	274534.421	138.700	779
303	70.58.44	94.42.31	54.456	2.120	2745889.410	274524.571	138.545	779
304	78.21.12	92.58.54	62.886	2.120	2745884.400	274534.770	139.745	779
305	76.39.11	93.25.57	57.275	2.120	2745884.920	274528.890	139.586	779
306	70.23.38	94.40.2	38.895	2.120	2745884.730	274509.781	139.851	779
307	79.19.08	92.13.39	43.076	2.120	2745879.700	274515.560	141.341	779
308	86.33.42	89.18.23	60.662	2.120	2745875.360	274533.810	143.750	779
309	85.38.18	89.3.56	51.785	2.120	2745875.660	274524.890	143.860	779
310	83.18.43	88.46.4	38.801	2.120	2745876.240	274511.790	143.850	779
311	87.37.17	89.10.47	45.011	2.120	2745873.590	274518.230	143.660	779
312	136.44.32	88.47.48	35.592	2.120	2745845.807	274497.647	143.763	779

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

光線法計算表

工程名稱:99年後池淤積測量工作

後視:SA02		N:2745905.299		E:274723.703			後視方位角:82.21.50	
測站:SA03-1		N:2745871.722		E:274473.262		Z:143.779	儀器高:1.356	
點號	方位角	垂直角	斜距	覘標高	縱座標(N)	橫座標(E)	高程(Z)	備註
313	127.39.01	87.57.18	27.350	2.120	2745855.026	274494.903	143.991	779
314	170.10.45	90.4.57	24.664	2.120	2745847.419	274477.469	142.980	779
315	133.43.46	88.17.48	30.082	2.120	2745850.937	274494.990	143.910	779
316	131.59.46	88.1.37	19.145	2.120	2745858.920	274487.482	143.675	779
317	120.46.14	83.30.24	6.243	2.120	2745868.549	274478.591	143.721	779
318	40.02.17	102.45.29	30.719	2.120	2745894.660	274492.535	136.232	779
319	55.02.04	98.36.37	31.736	2.120	2745889.705	274498.977	138.264	779
320	33.15.38	103.31.33	21.805	2.120	2745889.450	274484.889	137.916	779
321	44.22.50	100.34.35	17.971	2.120	2745884.348	274485.618	139.717	779
322	47.23.32	96.23.36	12.276	2.120	2745879.981	274482.241	141.649	779
323	77.14.55	87.49.41	22.796	2.120	2745876.750	274495.480	143.879	779
324	53.57.13	99.46.45	39.021	2.120	2745894.350	274504.354	136.388	779
325	47.38.10	100.28.8	35.045	2.120	2745894.943	274498.725	136.648	779
326	40.02.17	102.45.29	30.719	2.120	2745894.660	274492.535	136.232	779
327	61.46.14	97.17.45	37.535	2.120	2745889.332	274506.064	138.249	779
328	55.02.04	98.36.37	31.736	2.120	2745889.705	274498.977	138.264	779
329	44.08.07	101.37.3	25.368	2.120	2745889.556	274490.566	137.907	779
330	33.15.38	103.31.33	21.805	2.120	2745889.450	274484.889	137.916	779
331	13.33.57	105.50.39	18.976	2.120	2745889.468	274477.544	137.835	779
332	44.22.50	100.34.35	17.971	2.120	2745884.348	274485.618	139.717	779
333	22.33.04	102.42.2	14.046	2.120	2745884.376	274478.517	139.927	779
334	47.23.32	96.23.36	12.276	2.120	2745879.981	274482.241	141.649	779
335	79.56.15	88.16.36	28.733	2.120	2745876.740	274501.540	143.880	779
336	77.14.55	87.49.41	22.796	2.120	2745876.750	274495.480	143.879	779
337	71.12.04	86.13.27	14.766	2.120	2745876.470	274487.210	143.988	779

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

光線法計算表

工程名稱:99年後池淤積測量工作

後視:SA04-1		N:2745789.243		E:274320.431			後視方位角:31.27.40	
測站:SA05		N:2745638.866		E:274228.420		Z:145.036	儀器高:1.343	
點號	方位角	垂直角	斜距	覘標高	縱座標(N)	橫座標(E)	高程(Z)	備註
1	90.00.00	45.0.0	0.777	2.120	2745638.866	274228.969	144.808	779
2	31.27.40	89.49.21	176.294	2.120	2745789.243	274320.431	144.807	779
3	161.12.38	89.5.29	38.236	2.120	2745602.672	274240.734	144.865	779
4	159.45.14	89.22.33	48.883	2.120	2745593.006	274245.335	144.791	779
5	45.02.34	89.26.54	84.896	2.120	2745698.849	274288.493	145.076	779
6	65.24.54	88.49.1	36.870	2.120	2745654.202	274261.940	145.020	779
7	63.29.11	89.56.48	47.725	2.120	2745660.171	274271.126	144.303	779
8	78.41.57	88.11.15	26.937	2.120	2745644.142	274254.822	145.111	779
9	132.19.32	89.19.15	38.087	2.120	2745613.222	274256.577	144.710	779
10	111.56.05	87.26.40	20.197	2.120	2745631.329	274247.136	145.159	779
11	105.47.35	89.4.1	37.909	2.120	2745628.550	274264.893	144.876	779
12	96.11.14	89.16.50	32.764	2.120	2745635.335	274260.991	144.670	779
13	77.39.34	89.22.15	51.037	2.120	2745649.773	274278.275	144.819	779
14	50.17.31	88.32.1	30.178	2.120	2745658.140	274251.629	145.031	779
15	50.47.49	89.9.46	56.348	2.120	2745674.478	274272.080	145.082	779
16	64.06.37	89.23.27	66.622	2.120	2745667.954	274288.352	144.967	779
17	53.43.53	89.27.59	71.335	2.120	2745681.064	274285.932	144.923	779
18	33.35.29	89.28.58	65.839	2.120	2745693.708	274264.845	144.853	779
19	46.46.56	90.1.47	308.724	2.120	2745850.272	274453.405	144.105	779
20	45.35.28	90.3.31	279.929	2.120	2745834.753	274428.391	143.977	779
21	43.01.53	89.59.19	245.900	2.120	2745818.614	274396.222	144.311	779
22	40.40.31	89.56.15	227.786	2.120	2745811.622	274376.884	144.511	779
23	38.39.08	89.52.52	213.386	2.120	2745805.510	274361.699	144.704	779
24	37.58.40	89.51.46	195.008	2.120	2745792.581	274348.419	144.728	779
25	43.45.54	89.45.3	132.720	2.120	2745734.713	274320.222	144.837	779
26	40.45.50	89.51.29	182.740	2.120	2745777.274	274347.739	144.714	779
27	37.29.41	89.47.8	179.358	2.120	2745781.169	274337.592	144.932	779
28	39.32.38	89.59.11	166.053	2.120	2745766.916	274334.141	144.300	779
29	40.49.50	89.55.57	142.130	2.120	2745746.408	274321.348	144.427	779
30	52.48.21	89.31.49	109.691	2.120	2745705.174	274315.796	145.159	779
31	40.53.55	89.44.24	158.064	2.120	2745758.340	274331.907	144.977	779
32	39.24.01	89.53.42	193.604	2.120	2745788.470	274351.307	144.616	779
33	36.41.44	89.37.50	105.348	2.120	2745723.335	274291.371	144.939	779
34	35.14.47	89.42.44	130.864	2.120	2745745.738	274303.940	144.917	779
35	34.17.58	89.57.41	216.139	2.120	2745817.419	274350.218	144.407	779
36	37.48.35	90.0.19	257.500	2.120	2745842.304	274386.278	144.239	779
37	46.31.07	90.4.30	320.934	2.120	2745859.707	274461.289	143.845	779
38	50.56.47	92.54.39	126.528	2.120	2745718.481	274326.549	137.834	779
39	139.09.51	88.10.36	23.762	2.120	2745620.897	274243.950	145.015	779

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

光線法計算表

工程名稱:99年後池淤積測量工作

後視:SA04-1	N:2745789.243	E:274320.431		後視方位角:31.27.40
測站:SA05	N:2745638.866	E:274228.420	Z:145.036	儀器高:1.343

點號	方位角	垂直角	斜距	覘標高	縱座標(N)	橫座標(E)	高程(Z)	備註
40	140.48.28	86.38.47	16.134	2.120	2745626.383	274238.598	145.202	779
41	48.49.59	88.58.29	47.574	2.120	2745670.177	274264.228	145.110	779
42	36.50.00	89.1.12	49.252	2.120	2745678.281	274257.942	145.101	779
43	44.27.43	89.31.19	98.209	2.120	2745708.957	274297.207	145.079	779
44	39.27.36	89.43.43	146.798	2.120	2745752.203	274321.715	144.955	779
45	36.00.10	89.39.17	149.721	2.120	2745759.986	274316.428	145.162	779
46	33.59.32	89.57.26	200.965	2.120	2745805.489	274340.776	144.411	779
47	41.49.17	89.58.8	246.714	2.120	2745822.724	274392.932	144.397	779
48	39.47.54	89.59.19	247.182	2.120	2745828.776	274386.638	144.312	779
49	37.38.19	89.56.42	249.176	2.120	2745836.183	274380.587	144.502	779
50	46.03.36	90.2.54	295.165	2.120	2745843.682	274440.959	144.015	779
51	44.02.40	90.5.3	293.623	2.120	2745849.922	274432.551	143.833	779
52	42.01.23	90.3.6	295.077	2.120	2745858.071	274425.953	143.998	779
53	200.25.04	89.37.53	120.249	2.120	2745526.174	274186.470	145.033	779
54	202.06.30	89.40.30	143.241	2.120	2745506.159	274174.511	145.072	779
55	202.21.00	89.39.20	177.298	2.120	2745474.890	274161.001	145.327	779
56	194.52.38	89.40.17	142.578	2.120	2745501.070	274191.814	145.078	779
57	197.34.51	89.42.29	173.435	2.120	2745473.534	274176.034	145.144	779
58	199.07.26	89.41.29	127.250	2.120	2745518.640	274186.732	144.945	779
59	201.49.31	89.23.28	75.711	2.120	2745568.586	274200.274	145.063	779
60	186.11.21	89.0.55	48.257	2.120	2745590.897	274223.218	145.088	779
61	189.02.48	89.28.6	73.560	2.120	2745566.224	274216.854	144.941	779
62	194.23.02	89.32.47	88.857	2.120	2745552.797	274206.347	144.963	779
63	191.59.01	89.32.51	95.388	2.120	2745545.560	274208.615	145.012	779
64	188.09.24	89.35.47	101.539	2.120	2745538.357	274214.014	144.974	779
65	185.22.56	89.29.16	80.791	2.120	2745558.434	274220.842	144.981	779
66	176.59.55	89.30.2	68.661	2.120	2745570.302	274232.015	144.857	779
67	205.02.14	89.17.19	39.908	2.120	2745602.711	274211.532	144.754	779
68	163.54.11	88.7.56	27.028	2.120	2745612.911	274235.910	145.140	779
69	64.02.30	84.31.32	6.745	2.120	2745641.805	274234.457	144.902	779
70	204.44.23	89.44.55	159.481	2.120	2745494.024	274161.678	144.960	779
71	208.13.02	89.41.9	154.342	2.120	2745502.868	274155.446	145.106	779
72	202.18.47	89.43.1	161.764	2.120	2745489.216	274167.004	145.059	779
73	198.38.06	89.34.17	112.058	2.120	2745532.686	274192.614	145.098	779
74	207.10.46	89.37.39	103.575	2.120	2745546.730	274181.110	144.933	779
75	188.41.20	89.21.59	62.604	2.120	2745576.984	274218.963	144.951	779
76	194.52.45	89.17.17	57.746	2.120	2745583.061	274213.593	144.976	779
77	204.26.33	89.21.9	53.131	2.120	2745590.500	274206.437	144.859	779
78	209.14.16	89.8.28	51.057	2.120	2745594.319	274203.485	145.024	779

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

光線法計算表

工程名稱:99年後池淤積測量工作

後視:SA04-1		N:2745789.243		E:274320.431			後視方位角:31.27.40	
測站:SA05		N:2745638.866		E:274228.420		Z:145.036	儀器高:1.343	
點號	方位角	垂直角	斜距	覘標高	縱座標(N)	橫座標(E)	高程(Z)	備註
79	140.17.25	85.42.23	5.907	2.120	2745634.335	274232.183	144.701	779
80	195.58.44	83.52.1	106.552	2.120	2745537.017	274199.256	155.643	779
81	43.43.27	91.12.46	346.670	2.120	2745889.340	274467.980	136.929	779
82	44.36.34	90.51.7	344.877	2.120	2745884.360	274470.590	139.139	779
83	42.55.28	91.1.33	335.573	2.120	2745884.550	274456.920	138.258	779
84	40.57.51	91.22.33	325.147	2.120	2745884.320	274441.521	136.459	779
85	43.41.45	90.42.3	332.595	2.120	2745879.320	274458.170	140.198	779
86	41.18.00	90.50.25	313.564	2.120	2745874.410	274435.350	139.667	779
87	38.47.06	91.33.49	302.555	2.120	2745874.620	274417.870	136.009	779
88	44.00.47	90.1.21	326.098	2.120	2745873.390	274455.000	144.138	779
89	42.47.54	90.0.32	314.077	2.120	2745869.320	274441.810	144.216	779
90	38.41.30	91.10.17	295.344	2.120	2745869.340	274413.010	138.227	779
91	44.52.28	90.2.27	320.627	2.120	2745866.080	274454.640	144.037	779
92	38.36.37	90.46.26	288.575	2.120	2745864.340	274408.480	140.367	779
93	36.06.25	91.40.44	279.386	2.120	2745864.490	274392.990	136.078	779
94	40.45.48	89.48.15	296.002	2.120	2745863.060	274421.690	145.276	779
95	35.11.50	91.44.16	269.888	2.120	2745859.310	274383.910	136.079	779
96	39.37.47	89.47.35	285.692	2.120	2745858.900	274410.640	145.296	779
97	38.42.07	89.44.57	276.747	2.120	2745854.840	274401.460	145.475	779
98	36.30.42	90.44.34	268.263	2.120	2745854.460	274388.020	140.786	779
99	33.57.05	91.48.40	259.902	2.120	2745854.350	274373.500	136.049	779
100	33.36.40	91.39.48	253.398	2.120	2745849.810	274368.630	136.908	779
101	37.25.27	89.43.11	264.011	2.120	2745848.530	274388.860	145.555	779
102	32.25.21	91.52.7	243.620	2.120	2745844.400	274358.970	136.319	779
103	31.59.17	91.46.59	237.021	2.120	2745839.800	274353.920	136.887	779
104	35.35.48	89.40.28	244.938	2.120	2745838.030	274370.990	145.654	779
105	35.00.52	89.38.55	238.335	2.120	2745834.060	274365.170	145.724	779
106	34.18.44	89.53.7	230.689	2.120	2745829.410	274358.460	144.724	779
107	30.06.40	92.9.59	220.438	2.120	2745829.420	274338.930	135.929	779
108	33.43.10	89.35.57	223.198	2.120	2745824.510	274352.320	145.823	779
109	29.34.35	92.10.10	213.531	2.120	2745824.440	274333.740	136.178	779
110	33.09.12	89.34.56	215.536	2.120	2745819.310	274346.290	145.833	779
111	29.01.29	92.13.37	206.963	2.120	2745819.700	274328.760	136.219	779
112	28.24.02	92.18.47	199.749	2.120	2745814.430	274323.350	136.199	779
113	32.25.19	89.32.51	205.266	2.120	2745812.130	274338.470	145.882	779
114	32.04.31	89.30.27	200.295	2.120	2745808.580	274334.780	145.983	779
115	31.29.43	89.28.46	191.690	2.120	2745802.310	274328.560	146.003	779
116	30.57.49	89.21.57	185.300	2.120	2745797.750	274323.750	146.312	779
117	28.43.23	91.12.37	177.431	2.120	2745794.430	274313.670	140.513	779

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

光線法計算表

工程名稱:99年後池淤積測量工作

後視:SA04-1		N:2745789.243		E:274320.431			後視方位角:31.27.40	
測站:SA05		N:2745638.866		E:274228.420		Z:145.036	儀器高:1.343	
點號	方位角	垂直角	斜距	覘標高	縱座標(N)	橫座標(E)	高程(Z)	備註
118	25.41.58	92.39.18	161.918	2.120	2745784.610	274298.560	136.760	779
119	30.11.48	89.20.20	163.917	2.120	2745780.530	274310.860	146.152	779
120	24.58.37	92.57.4	155.350	2.120	2745779.500	274293.930	136.262	779
121	30.13.49	89.7.35	156.827	2.120	2745774.350	274307.370	146.651	779
122	25.08.24	90.30.3	149.711	2.120	2745774.390	274292.020	142.951	779
123	30.28.47	89.41.3	149.066	2.120	2745767.330	274304.030	145.082	779
124	24.38.20	88.50.11	141.383	2.120	2745767.350	274287.350	147.131	779
125	29.05.56	88.44.1	140.292	2.120	2745761.420	274296.630	147.360	779
126	23.32.36	93.40.54	126.789	2.120	2745754.861	274278.961	136.118	779
127	31.28.02	89.38.21	135.211	2.120	2745754.190	274299.000	145.111	779
128	24.33.57	93.17.3	121.791	2.120	2745749.451	274278.970	137.282	779
129	30.02.14	88.46.29	122.570	2.120	2745744.950	274289.760	146.881	779
130	29.48.07	88.57.17	117.362	2.120	2745740.690	274286.740	146.400	779
131	22.59.58	88.28.29	108.222	2.120	2745738.450	274270.690	147.140	779
132	25.28.28	89.3.19	105.615	2.120	2745734.200	274273.840	146.001	779
133	21.22.53	94.52.19	97.592	2.120	2745729.412	274263.871	135.971	779
134	31.41.14	88.41.58	104.447	2.120	2745727.720	274283.270	146.630	779
135	30.43.45	89.28.8	99.382	2.120	2745724.290	274279.200	145.180	779
136	23.42.20	93.33.7	88.421	2.120	2745719.671	274263.900	138.781	779
137	31.20.11	87.4.19	92.899	2.120	2745718.110	274276.670	149.005	779
138	24.52.04	92.41.55	83.346	2.120	2745714.400	274263.430	140.335	779
139	26.42.24	91.17.3	78.899	2.120	2745709.330	274263.870	142.491	779
140	29.15.04	87.53.30	73.110	2.120	2745702.610	274264.120	146.949	779
141	30.18.09	86.7.1	65.434	2.120	2745695.231	274261.360	148.690	779
142	19.49.49	95.36.19	60.101	2.120	2745695.133	274248.711	138.388	779
143	32.10.09	85.9.32	56.927	2.120	2745686.881	274258.621	149.063	779
144	29.17.02	87.40.28	51.009	2.120	2745683.320	274253.350	146.329	779
145	26.50.01	90.27.54	45.416	2.120	2745679.390	274248.920	143.890	779
146	8.14.15	101.59.49	37.499	2.120	2745675.167	274233.675	136.464	779
147	32.49.34	83.15.54	39.049	2.120	2745671.453	274249.442	148.838	779
148	28.59.46	86.23.15	32.494	2.120	2745667.230	274244.140	146.306	779
149	0.10.43	105.31.11	26.715	2.120	2745664.607	274228.500	137.110	779
150	14.54.22	96.45.43	21.494	2.120	2745659.492	274233.911	141.728	779
151	27.13.37	82.14.36	14.694	2.120	2745651.812	274235.081	146.242	779
152	319.43.07	115.39.1	16.698	2.120	2745650.349	274218.688	137.030	779
153	272.15.05	114.20.2	16.382	2.120	2745639.452	274213.505	137.508	779
154	238.15.38	103.25.13	18.392	2.120	2745629.455	274213.205	139.990	779
155	212.24.26	84.33.46	20.187	2.120	2745621.899	274217.650	146.171	779
156	233.21.13	102.15.39	31.283	2.120	2745620.620	274203.893	137.615	779

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

光線法計算表

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後視:SA04-1		N:2745789.243		E:274320.431			後視方位角:31.27.40	
測站:SA05		N:2745638.866		E:274228.420		Z:145.036	儀器高:1.343	
點號	方位角	垂直角	斜距	覘標高	縱座標(N)	橫座標(E)	高程(Z)	備註
157	211.51.45	85.50.49	26.876	2.120	2745616.100	274214.270	146.205	779
158	231.22.55	101.31.49	39.404	2.120	2745614.769	274198.254	136.382	779
159	211.24.03	86.57.31	36.730	2.120	2745607.560	274209.310	146.207	779
160	225.44.53	98.32.2	48.971	2.120	2745605.071	274193.731	136.992	779
161	216.50.58	93.18.33	49.440	2.120	2745599.370	274198.820	141.405	779
162	217.59.01	93.55.17	56.434	2.120	2745594.489	274193.770	140.399	779
163	222.21.47	96.57.4	66.836	2.120	2745589.845	274183.715	136.170	779
164	215.59.55	92.48.6	67.403	2.120	2745584.400	274188.850	140.964	779
165	210.47.48	88.18.37	67.511	2.120	2745580.900	274193.870	146.250	779
166	219.52.15	95.25.22	77.833	2.120	2745579.398	274178.748	136.903	779
167	210.06.14	89.5.56	75.752	2.120	2745573.340	274190.430	145.450	779
168	218.06.36	94.26.55	88.542	2.120	2745569.409	274173.939	137.391	779
169	210.34.39	89.13.54	81.390	2.120	2745568.800	274187.020	145.350	779
170	214.05.37	91.40.46	89.308	2.120	2745564.940	274178.380	141.642	779
171	216.49.01	93.42.36	99.448	2.120	2745559.419	274168.949	137.824	779
172	210.45.07	89.23.14	97.361	2.120	2745555.200	274178.640	145.300	779
173	217.50.36	94.15.14	106.864	2.120	2745554.709	274163.039	136.333	779
174	210.44.38	89.24.24	105.404	2.120	2745548.280	274174.540	145.351	779
175	210.41.16	89.26.13	112.064	2.120	2745542.500	274171.230	145.361	779
176	215.11.53	92.37.16	120.979	2.120	2745540.110	274158.760	138.727	779
177	210.42.03	89.29.46	121.813	2.120	2745534.130	274166.230	145.331	779
178	210.39.29	89.32.37	126.966	2.120	2745529.650	274163.680	145.271	779
179	216.31.38	93.27.2	133.979	2.120	2745531.399	274148.820	136.196	779
180	213.13.47	91.19.2	136.496	2.120	2745524.720	274153.640	141.122	779
181	210.37.38	89.34.27	137.466	2.120	2745520.580	274158.390	145.281	779
182	215.23.34	92.55.24	146.052	2.120	2745519.959	274143.940	136.811	779
183	212.40.02	91.2.53	147.498	2.120	2745514.720	274148.820	141.562	779
184	213.12.30	91.27.37	154.500	2.120	2745509.640	274143.830	140.323	779
185	213.42.41	91.52.30	161.543	2.120	2745504.560	274138.810	138.975	779
186	211.20.32	90.19.26	162.513	2.120	2745500.070	274143.890	143.342	779
187	210.32.13	89.38.49	167.373	2.120	2745494.710	274143.380	145.292	779
188	214.32.35	92.29.16	175.589	2.120	2745494.370	274128.950	136.639	779
189	212.31.37	91.4.9	177.269	2.120	2745489.430	274133.120	140.953	779
190	43.43.27	91.12.46	346.670	2.120	2745889.340	274467.980	136.929	779
191	44.36.34	90.51.7	344.877	2.120	2745884.360	274470.590	139.139	779
192	43.40.59	90.59.37	340.128	2.120	2745884.800	274463.301	138.368	779
193	42.55.28	91.1.33	335.573	2.120	2745884.550	274456.920	138.258	779
194	40.57.51	91.22.33	325.147	2.120	2745884.320	274441.521	136.459	779
195	44.32.20	90.34.11	337.787	2.120	2745879.620	274465.330	140.907	779

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

光線法計算表

工程名稱:99年後池淤積測量工作

後視:SA04-1		N:2745789.243		E:274320.431			後視方位角:31.27.40	
測站:SA05		N:2745638.866		E:274228.420		Z:145.036	儀器高:1.343	
點號	方位角	垂直角	斜距	覘標高	縱座標(N)	橫座標(E)	高程(Z)	備註
196	43.41.45	90.42.3	332.595	2.120	2745879.320	274458.170	140.198	779
197	42.26.53	90.53.22	326.462	2.120	2745879.730	274448.730	139.198	779
198	41.46.32	90.59.24	322.812	2.120	2745879.570	274443.450	138.688	779
199	41.03.29	91.9.48	319.071	2.120	2745879.410	274437.950	137.787	779
200	42.22.06	90.34.34	319.013	2.120	2745874.550	274443.390	141.058	779
201	41.18.00	90.50.25	313.564	2.120	2745874.410	274435.350	139.667	779
202	40.19.12	91.7.50	309.059	2.120	2745874.460	274428.360	138.167	779
203	38.47.06	91.33.49	302.555	2.120	2745874.620	274417.870	136.009	779
204	44.53.21	90.2.16	330.901	2.120	2745873.300	274461.950	144.048	779
205	44.00.47	90.1.21	326.098	2.120	2745873.390	274455.000	144.138	779
206	43.22.23	90.0.44	319.390	2.120	2745871.030	274447.760	144.197	779
207	42.47.54	90.0.32	314.077	2.120	2745869.320	274441.810	144.216	779
208	40.16.58	90.43.26	302.207	2.120	2745869.390	274423.800	140.447	779
209	39.28.31	90.56.8	298.712	2.120	2745869.410	274418.300	139.387	779
210	38.41.30	91.10.17	295.344	2.120	2745869.340	274413.010	138.227	779
211	44.52.28	90.2.27	320.627	2.120	2745866.080	274454.640	144.037	779
212	42.09.16	90.0.32	308.852	2.120	2745867.830	274435.700	144.217	779
213	41.14.07	90.0.6	304.709	2.120	2745868.010	274429.270	144.256	779
214	38.36.37	90.46.26	288.575	2.120	2745864.340	274408.480	140.367	779
215	36.06.25	91.40.44	279.386	2.120	2745864.490	274392.990	136.078	779
216	40.45.48	89.48.15	296.002	2.120	2745863.060	274421.690	145.276	779
217	40.11.11	89.46.37	290.760	2.120	2745860.990	274416.040	145.396	779
218	37.39.53	90.42.24	278.791	2.120	2745859.540	274398.760	140.825	779
219	35.11.50	91.44.16	269.888	2.120	2745859.310	274383.910	136.079	779
220	39.37.47	89.47.35	285.692	2.120	2745858.900	274410.640	145.296	779
221	38.42.07	89.44.57	276.747	2.120	2745854.840	274401.460	145.475	779
222	37.30.18	90.21.44	271.837	2.120	2745854.510	274393.920	142.545	779
223	36.30.42	90.44.34	268.263	2.120	2745854.460	274388.020	140.786	779
224	33.57.05	91.48.40	259.902	2.120	2745854.350	274373.500	136.049	779
225	35.32.02	90.47.9	258.738	2.120	2745849.400	274378.780	140.714	779
226	33.36.40	91.39.48	253.398	2.120	2745849.810	274368.630	136.908	779
227	37.25.27	89.43.11	264.011	2.120	2745848.530	274388.860	145.555	779
228	36.43.42	89.42.4	257.033	2.120	2745844.870	274382.130	145.604	779
229	34.12.02	91.1.0	248.450	2.120	2745844.320	274368.050	139.854	779
230	32.25.21	91.52.7	243.620	2.120	2745844.400	274358.970	136.319	779
231	36.17.12	89.41.35	252.358	2.120	2745842.280	274377.770	145.615	779
232	33.47.03	90.41.29	241.823	2.120	2745839.840	274362.880	141.344	779
233	31.59.17	91.46.59	237.021	2.120	2745839.800	274353.920	136.887	779
234	35.35.48	89.40.28	244.938	2.120	2745838.030	274370.990	145.654	779

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

光線法計算表

工程名稱:99年後池淤積測量工作

後視:SA04-1	N:2745789.243	E:274320.431		後視方位角:31.27.40
測站:SA05	N:2745638.866	E:274228.420	Z:145.036	儀器高:1.343

點號	方位角	垂直角	斜距	覘標高	縱座標(N)	橫座標(E)	高程(Z)	備註
235	32.38.39	91.4.20	232.327	2.120	2745834.460	274353.720	139.915	779
236	35.00.52	89.38.55	238.335	2.120	2745834.060	274365.170	145.724	779
237	34.18.44	89.53.7	230.689	2.120	2745829.410	274358.460	144.724	779
238	32.19.26	90.56.14	225.445	2.120	2745829.350	274348.950	140.574	779
239	30.06.40	92.9.59	220.438	2.120	2745829.420	274338.930	135.929	779
240	33.43.10	89.35.57	223.198	2.120	2745824.510	274352.320	145.823	779
241	31.50.07	90.54.17	218.367	2.120	2745824.360	274343.590	140.814	779
242	29.34.35	92.10.10	213.531	2.120	2745824.440	274333.740	136.178	779
243	33.09.12	89.34.56	215.536	2.120	2745819.310	274346.290	145.833	779
244	31.18.10	90.52.3	211.222	2.120	2745819.320	274338.150	141.064	779
245	29.01.29	92.13.37	206.963	2.120	2745819.700	274328.760	136.219	779
246	32.48.42	89.32.52	210.552	2.120	2745815.820	274342.510	145.923	779
247	31.00.54	90.46.29	204.730	2.120	2745814.310	274333.900	141.493	779
248	28.24.02	92.18.47	199.749	2.120	2745814.430	274323.350	136.199	779
249	32.25.19	89.32.51	205.266	2.120	2745812.130	274338.470	145.882	779
250	30.30.19	90.51.23	197.907	2.120	2745809.360	274328.870	141.303	779
251	32.04.31	89.30.27	200.295	2.120	2745808.580	274334.780	145.983	779
252	29.52.48	90.57.41	191.804	2.120	2745805.150	274323.960	141.043	779
253	28.30.17	91.47.23	189.098	2.120	2745804.960	274318.620	138.355	779
254	31.29.43	89.28.46	191.690	2.120	2745802.310	274328.560	146.003	779
255	29.23.28	91.0.11	184.392	2.120	2745799.500	274318.900	141.033	779
256	30.57.49	89.21.57	185.300	2.120	2745797.750	274323.750	146.312	779
257	28.43.23	91.12.37	177.431	2.120	2745794.430	274313.670	140.513	779
258	30.47.51	89.22.11	177.411	2.120	2745791.250	274319.250	146.212	779
259	28.08.14	91.23.29	170.793	2.120	2745789.430	274308.940	140.113	779
260	30.06.15	89.17.20	170.955	2.120	2745786.750	274314.160	146.382	779
261	27.23.42	91.45.2	164.207	2.120	2745784.590	274303.940	139.244	779
262	25.41.58	92.39.18	161.918	2.120	2745784.610	274298.560	136.760	779
263	30.11.48	89.20.20	163.917	2.120	2745780.530	274310.860	146.152	779
264	28.13.16	91.5.12	159.669	2.120	2745779.530	274303.910	141.232	779
265	24.58.37	92.57.4	155.350	2.120	2745779.500	274293.930	136.262	779
266	30.13.49	89.7.35	156.827	2.120	2745774.350	274307.370	146.651	779
267	25.08.24	90.30.3	149.711	2.120	2745774.390	274292.020	142.951	779
268	30.28.47	89.41.3	149.066	2.120	2745767.330	274304.030	145.082	779
269	27.41.19	88.36.27	145.674	2.120	2745767.820	274296.090	147.800	779
270	24.38.20	88.50.11	141.383	2.120	2745767.350	274287.350	147.131	779
271	31.37.55	89.42.23	144.645	2.120	2745762.020	274304.280	145.001	779
272	29.05.56	88.44.1	140.292	2.120	2745761.420	274296.630	147.360	779
273	23.32.36	93.40.54	126.789	2.120	2745754.861	274278.961	136.118	779

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

光線法計算表

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後視:SA04-1		N:2745789.243		E:274320.431			後視方位角:31.27.40	
測站:SA05		N:2745638.866		E:274228.420		Z:145.036	儀器高:1.343	
點號	方位角	垂直角	斜距	覘標高	縱座標(N)	橫座標(E)	高程(Z)	備註
274	31.28.02	89.38.21	135.211	2.120	2745754.190	274299.000	145.111	779
275	26.30.09	91.39.23	124.448	2.120	2745750.190	274283.930	140.662	779
276	24.33.57	93.17.3	121.791	2.120	2745749.451	274278.970	137.282	779
277	31.38.17	88.43.58	126.654	2.120	2745746.670	274294.840	147.061	779
278	30.02.14	88.46.29	122.570	2.120	2745744.950	274289.760	146.881	779
279	29.48.07	88.57.17	117.362	2.120	2745740.690	274286.740	146.400	779
280	24.48.59	88.32.59	114.997	2.120	2745743.210	274276.670	147.170	779
281	29.36.59	88.24.50	110.566	2.120	2745734.950	274283.040	147.320	779
282	22.59.58	88.28.29	108.222	2.120	2745738.450	274270.690	147.140	779
283	28.22.55	87.22.24	104.013	2.120	2745730.280	274277.810	149.026	779
284	25.28.28	89.3.19	105.615	2.120	2745734.200	274273.840	146.001	779
285	21.22.53	94.52.19	97.592	2.120	2745729.412	274263.871	135.971	779
286	31.41.14	88.41.58	104.447	2.120	2745727.720	274283.270	146.630	779
287	30.43.45	89.28.8	99.382	2.120	2745724.290	274279.200	145.180	779
288	26.35.52	91.27.42	90.464	2.120	2745719.730	274268.910	141.952	779
289	23.42.20	93.33.7	88.421	2.120	2745719.671	274263.900	138.781	779
290	31.20.11	87.4.19	92.899	2.120	2745718.110	274276.670	149.005	779
291	24.52.04	92.41.55	83.346	2.120	2745714.400	274263.430	140.335	779
292	30.48.28	86.44.34	84.016	2.120	2745710.910	274271.380	149.033	779
293	26.42.24	91.17.3	78.899	2.120	2745709.330	274263.870	142.491	779
294	24.42.43	92.36.47	73.152	2.120	2745705.250	274258.970	140.924	779
295	20.48.51	95.9.34	70.644	2.120	2745704.632	274253.421	137.906	779
296	32.01.19	89.22.25	76.969	2.120	2745704.120	274269.230	145.100	779
297	29.15.04	87.53.30	73.110	2.120	2745702.610	274264.120	146.949	779
298	30.18.09	86.7.1	65.434	2.120	2745695.231	274261.360	148.690	779
299	24.13.46	92.42.47	62.010	2.120	2745695.350	274253.840	141.324	779
300	19.49.49	95.36.19	60.101	2.120	2745695.133	274248.711	138.388	779
301	26.40.51	90.52.4	56.686	2.120	2745689.510	274253.870	143.400	779
302	21.50.41	94.12.19	54.515	2.120	2745689.331	274248.650	140.261	779
303	32.10.09	85.9.32	56.927	2.120	2745686.881	274258.621	149.063	779
304	18.51.46	96.18.25	48.394	2.120	2745684.383	274243.971	138.942	779
305	29.17.02	87.40.28	51.009	2.120	2745683.320	274253.350	146.329	779
306	26.50.01	90.27.54	45.416	2.120	2745679.390	274248.920	143.890	779
307	23.09.16	92.44.56	39.541	2.120	2745675.180	274243.950	142.362	779
308	16.02.19	97.25.52	38.478	2.120	2745675.535	274238.962	139.282	779
309	8.14.15	101.59.49	37.499	2.120	2745675.167	274233.675	136.464	779
310	32.49.34	83.15.54	39.049	2.120	2745671.453	274249.442	148.838	779
311	18.40.06	95.18.55	32.444	2.120	2745669.471	274238.760	141.253	779
312	28.59.46	86.23.15	32.494	2.120	2745667.230	274244.140	146.306	779

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

光線法計算表

工程名稱:99年後池淤積測量工作

後視:SA04-1		N:2745789.243		E:274320.431			後視方位角:31.27.40	
測站:SA05		N:2745638.866		E:274228.420		Z:145.036	儀器高:1.343	
點號	方位角	垂直角	斜距	覘標高	縱座標(N)	橫座標(E)	高程(Z)	備註
313	11.24.50	99.13.56	26.938	2.120	2745664.929	274233.682	139.937	779
314	0.10.43	105.31.11	26.715	2.120	2745664.607	274228.500	137.110	779
315	28.22.55	85.21.57	24.568	2.120	2745660.410	274240.060	146.244	779
316	14.54.22	96.45.43	21.494	2.120	2745659.492	274233.911	141.728	779
317	1.26.56	103.23.39	16.288	2.120	2745654.705	274228.821	140.486	779
318	27.13.37	82.14.36	14.694	2.120	2745651.812	274235.081	146.242	779
319	337.28.01	111.51.33	12.734	2.120	2745649.782	274223.891	139.517	779
320	319.43.07	115.39.1	16.698	2.120	2745650.349	274218.688	137.030	779
321	24.38.30	76.24.44	8.157	2.120	2745646.072	274231.726	146.175	779
322	320.40.07	113.21.53	7.890	2.120	2745644.468	274223.829	141.129	779
323	300.31.12	116.10.12	12.716	2.120	2745644.662	274218.589	138.651	779
324	272.15.05	114.20.2	16.382	2.120	2745639.452	274213.505	137.508	779
325	285.24.44	46.57.51	2.144	2.120	2745639.282	274226.910	145.721	779
326	252.05.50	107.23.25	10.468	2.120	2745635.795	274218.914	141.130	779
327	215.20.23	76.39.19	8.311	2.120	2745632.270	274223.743	146.177	779
328	226.55.46	96.12.8	13.605	2.120	2745629.629	274218.539	142.789	779
329	238.15.38	103.25.13	18.392	2.120	2745629.455	274213.205	139.990	779
330	212.24.26	84.33.46	20.187	2.120	2745621.899	274217.650	146.171	779
331	226.30.55	98.24.0	27.146	2.120	2745620.386	274208.935	140.293	779
332	233.21.13	102.15.39	31.283	2.120	2745620.620	274203.893	137.615	779
333	211.51.45	85.50.49	26.876	2.120	2745616.100	274214.270	146.205	779
334	219.03.36	93.49.16	31.269	2.120	2745614.640	274208.760	142.175	779
335	231.22.55	101.31.49	39.404	2.120	2745614.769	274198.254	136.382	779
336	220.15.37	95.17.17	38.555	2.120	2745609.569	274203.609	140.705	779
337	225.41.36	98.20.46	42.183	2.120	2745609.713	274198.553	138.136	779
338	211.24.03	86.57.31	36.730	2.120	2745607.560	274209.310	146.207	779
339	225.44.53	98.32.2	48.971	2.120	2745605.071	274193.731	136.992	779
340	211.08.33	87.26.51	44.672	2.120	2745600.670	274205.340	146.248	779
341	216.50.58	93.18.33	49.440	2.120	2745599.370	274198.820	141.405	779
342	211.00.03	87.46.3	50.830	2.120	2745595.330	274202.260	146.239	779
343	217.59.01	93.55.17	56.434	2.120	2745594.489	274193.770	140.399	779
344	218.46.02	94.32.20	63.219	2.120	2745589.729	274188.959	139.256	779
345	222.21.47	96.57.4	66.836	2.120	2745589.845	274183.715	136.170	779
346	210.43.10	88.12.35	61.479	2.120	2745586.040	274197.030	146.179	779
347	215.59.55	92.48.6	67.403	2.120	2745584.400	274188.850	140.964	779
348	210.47.48	88.18.37	67.511	2.120	2745580.900	274193.870	146.250	779
349	216.50.16	93.32.7	74.431	2.120	2745579.410	274183.880	139.669	779
350	219.52.15	95.25.22	77.833	2.120	2745579.398	274178.748	136.903	779
351	214.35.16	92.18.46	78.455	2.120	2745574.330	274183.920	141.093	779

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

光線法計算表

工程名稱:99年後池淤積測量工作

後視:SA04-1	N:2745789.243	E:274320.431		後視方位角:31.27.40				
測站:SA05	N:2745638.866	E:274228.420		Z:145.036		儀器高:1.343		
點號	方位角	垂直角	斜距	覘標高	縱座標(N)	橫座標(E)	高程(Z)	備註
352	210.06.14	89.5.56	75.752	2.120	2745573.340	274190.430	145.450	779
353	218.06.36	94.26.55	88.542	2.120	2745569.409	274173.939	137.391	779
354	210.34.39	89.13.54	81.390	2.120	2745568.800	274187.020	145.350	779
355	210.49.41	89.27.4	86.781	2.120	2745564.350	274183.950	145.090	779
356	214.05.37	91.40.46	89.308	2.120	2745564.940	274178.380	141.642	779
357	216.49.01	93.42.36	99.448	2.120	2745559.419	274168.949	137.824	779
358	210.45.07	89.23.14	97.361	2.120	2745555.200	274178.640	145.300	779
359	213.08.39	91.3.24	100.228	2.120	2745554.960	274173.630	142.411	779
360	217.50.36	94.15.14	106.864	2.120	2745554.709	274163.039	136.333	779
361	213.55.11	91.38.5	107.870	2.120	2745549.390	274168.250	141.182	779
362	210.44.38	89.24.24	105.404	2.120	2745548.280	274174.540	145.351	779
363	210.41.16	89.26.13	112.064	2.120	2745542.500	274171.230	145.361	779
364	213.13.35	91.13.39	118.012	2.120	2745540.170	274163.770	141.731	779
365	215.11.53	92.37.16	120.979	2.120	2745540.110	274158.760	138.727	779
366	213.48.54	91.43.42	125.552	2.120	2745534.600	274158.580	140.473	779
367	210.42.03	89.29.46	121.813	2.120	2745534.130	274166.230	145.331	779
368	210.39.29	89.32.37	126.966	2.120	2745529.650	274163.680	145.271	779
369	212.32.29	90.55.2	129.834	2.120	2745529.430	274158.590	142.181	779
370	216.31.38	93.27.2	133.979	2.120	2745531.399	274148.820	136.196	779
371	210.37.50	89.32.42	132.427	2.120	2745524.920	274160.950	145.311	779
372	213.13.47	91.19.2	136.496	2.120	2745524.720	274153.640	141.122	779
373	210.37.38	89.34.27	137.466	2.120	2745520.580	274158.390	145.281	779
374	213.44.47	91.45.51	143.141	2.120	2745519.900	274148.940	139.853	779
375	215.23.34	92.55.24	146.052	2.120	2745519.959	274143.940	136.811	779
376	212.40.02	91.2.53	147.498	2.120	2745514.720	274148.820	141.562	779
377	210.34.43	89.35.38	149.732	2.120	2745509.960	274152.250	145.321	779
378	213.12.30	91.27.37	154.500	2.120	2745509.640	274143.830	140.323	779
379	210.32.38	89.35.53	155.612	2.120	2745504.850	274149.340	145.352	779
380	213.42.41	91.52.30	161.543	2.120	2745504.560	274138.810	138.975	779
381	211.20.32	90.19.26	162.513	2.120	2745500.070	274143.890	143.342	779
382	210.32.13	89.38.49	167.373	2.120	2745494.710	274143.380	145.292	779
383	213.11.26	91.30.11	172.594	2.120	2745494.480	274133.970	139.733	779
384	214.32.35	92.29.16	175.589	2.120	2745494.370	274128.950	136.639	779
385	210.28.09	89.20.21	172.648	2.120	2745490.070	274140.880	146.252	779
386	212.31.37	91.4.9	177.269	2.120	2745489.430	274133.120	140.953	779
387	210.30.51	89.38.55	179.638	2.120	2745484.110	274137.210	145.362	779
388	210.30.51	89.38.55	179.638	2.120	2745484.110	274137.210	145.362	779
389	214.05.40	92.6.27	186.654	2.120	2745484.400	274123.860	137.397	779
390	214.05.40	92.6.27	186.654	2.120	2745484.400	274123.860	137.397	779

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

光線法計算表

工程名稱:99年後池淤積測量工作

後視:SA09		N:2746265.509		E:274162.007			後視方位角:219.45.01	
測站:SA10		N:2746457.780		E:274321.918		Z:145.118	儀器高:1.416	
點號	方位角	垂直角	斜距	覘標高	縱座標(N)	橫座標(E)	高程(Z)	備註
1	90.00.00	45.0.0	0.704	2.120	2746457.780	274322.416	144.911	779
2	219.45.01	89.45.17	250.082	2.120	2746265.509	274162.007	145.488	779
3	217.39.20	89.53.20	434.814	2.120	2746113.539	274056.286	145.270	779
4	67.23.17	89.22.40	220.013	2.120	2746542.368	274525.006	146.806	779
5	63.20.19	90.9.45	274.124	2.120	2746580.784	274566.894	143.641	779
6	65.37.29	89.53.0	240.588	2.120	2746557.074	274541.060	144.907	779
7	63.56.50	89.43.46	236.654	2.120	2746561.717	274534.523	145.535	779
8	68.34.39	90.19.50	257.017	2.120	2746551.652	274561.174	142.935	779
9	69.42.08	90.25.16	235.402	2.120	2746539.439	274542.696	142.687	779
10	70.41.27	91.18.55	280.239	2.120	2746550.421	274586.323	137.986	779
11	67.59.41	90.19.36	234.784	2.120	2746545.751	274539.594	143.079	779
12	71.33.10	91.28.45	238.252	2.120	2746533.146	274547.852	138.267	779
13	64.12.03	89.54.27	252.372	2.120	2746567.617	274549.134	144.825	779
14	223.42.43	88.26.26	434.916	2.120	2746143.528	274021.488	156.262	779
15	221.54.02	88.31.8	453.584	2.120	2746120.287	274019.098	156.151	779
16	218.55.37	88.32.10	425.151	2.120	2746127.143	274054.871	155.287	779
17	222.15.49	88.7.13	313.325	2.120	2746226.025	274111.307	154.698	779
18	224.32.34	88.13.22	337.548	2.120	2746217.316	274085.262	154.890	779
19	221.48.34	88.14.39	346.251	2.120	2746199.817	274091.197	155.031	779
20	222.06.49	88.21.50	373.624	2.120	2746180.732	274071.467	155.091	779
21	224.44.39	88.21.1	376.055	2.120	2746190.795	274057.307	155.249	779
22	223.45.45	88.23.6	393.891	2.120	2746173.419	274049.584	155.525	779
23	221.27.46	88.26.6	402.923	2.120	2746155.947	274055.230	155.429	779
24	221.25.42	88.29.36	432.975	2.120	2746133.254	274035.525	155.811	779
25	225.37.22	88.7.38	309.554	2.120	2746241.399	274100.782	154.536	779
26	220.24.10	88.35.36	450.429	2.120	2746114.878	274030.058	155.485	779
27	220.29.30	88.27.40	403.989	2.120	2746150.656	274059.688	155.274	779
28	221.14.28	88.18.40	351.148	2.120	2746193.851	274090.532	154.771	779
29	222.32.07	88.5.40	302.670	2.120	2746234.877	274117.413	154.484	779
30	218.39.43	88.39.45	449.538	2.120	2746106.855	274041.158	154.920	779
31	218.39.38	88.34.48	402.744	2.120	2746143.389	274070.400	154.405	779
32	218.12.53	88.29.56	366.234	2.120	2746170.129	274095.440	154.017	779
33	227.56.10	87.57.12	288.759	2.120	2746264.446	274107.681	154.732	779
34	226.11.43	87.30.19	232.500	2.120	2746296.995	274154.281	154.537	779
35	230.17.43	87.41.40	251.478	2.120	2746297.258	274128.601	154.535	779
36	224.44.50	87.48.14	260.971	2.120	2746272.569	274138.335	154.419	779
37	224.31.10	87.56.0	281.931	2.120	2746256.890	274124.371	154.586	779
38	68.52.37	89.2.52	208.968	2.120	2746533.076	274516.818	147.889	779
39	61.40.55	88.56.52	251.095	2.120	2746576.871	274542.926	149.029	779

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

光線法計算表

工程名稱:99年後池淤積測量工作

後視:SA09		N:2746265.509		E:274162.007			後視方位角:219.45.01	
測站:SA10		N:2746457.780		E:274321.918		Z:145.118	儀器高:1.416	
點號	方位角	垂直角	斜距	覘標高	縱座標(N)	橫座標(E)	高程(Z)	備註
40	62.08.59	88.59.15	275.558	2.120	2746586.491	274565.520	149.288	779
41	61.45.38	88.44.31	229.764	2.120	2746566.469	274524.286	149.462	779
42	61.34.13	88.43.50	216.203	2.120	2746560.685	274512.001	149.207	779
43	68.33.59	88.49.11	195.430	2.120	2746529.180	274503.794	148.442	779
44	226.28.17	87.28.0	228.816	2.120	2746300.344	274156.182	154.531	779
45	229.11.30	87.21.53	220.457	2.120	2746313.857	274155.231	154.553	779
46	225.02.31	87.14.11	190.753	2.120	2746323.152	274187.094	153.613	779
47	227.16.39	86.59.31	186.259	2.120	2746331.586	274185.272	154.190	779
48	225.48.10	86.59.56	167.070	2.120	2746341.470	274202.302	153.163	779
49	238.26.17	87.9.40	178.326	2.120	2746364.555	274170.157	153.248	779
50	248.17.01	85.45.14	117.978	2.120	2746414.246	274212.614	153.150	779
51	243.59.30	86.20.41	133.610	2.120	2746399.311	274202.083	152.933	779
52	234.59.46	86.58.57	170.187	2.120	2746360.291	274182.709	153.374	779
53	233.55.09	87.16.44	187.777	2.120	2746347.318	274170.331	153.331	779
54	229.20.53	88.10.4	215.383	2.120	2746317.537	274158.595	151.303	779
55	268.54.54	83.0.20	62.463	2.120	2746456.606	274259.931	152.020	779
56	272.45.57	84.11.52	74.204	2.120	2746461.342	274248.180	151.916	779
57	327.47.58	82.41.20	60.549	2.120	2746508.599	274289.915	152.119	779
58	348.28.10	82.48.16	59.947	2.120	2746516.054	274310.029	151.923	779
59	354.08.59	76.26.10	33.542	2.120	2746490.217	274318.594	152.280	779
60	28.36.00	83.22.27	61.746	2.120	2746511.630	274351.278	151.538	779
61	48.45.41	86.0.37	90.951	2.120	2746517.590	274390.145	150.742	779
62	42.50.53	86.42.31	110.112	2.120	2746538.376	274396.676	150.736	779
63	53.43.27	87.26.37	125.833	2.120	2746532.158	274423.261	150.027	779
64	42.28.46	86.16.12	103.774	2.120	2746534.154	274391.851	151.165	779
65	29.39.18	85.41.30	91.702	2.120	2746537.246	274367.162	151.303	779
66	49.38.58	84.23.32	71.672	2.120	2746503.963	274376.278	151.418	779
67	15.18.24	81.56.46	51.514	2.120	2746506.977	274335.383	151.631	779
68	342.15.19	81.55.11	52.620	2.120	2746507.399	274306.040	151.810	779
69	354.33.28	73.7.33	25.881	2.120	2746482.435	274319.569	151.926	779
70	315.24.39	80.13.19	44.560	2.120	2746489.053	274291.090	151.982	779
71	284.18.21	81.18.54	50.554	2.120	2746470.128	274273.494	152.047	779
72	274.33.05	73.36.52	27.728	2.120	2746459.891	274295.400	152.236	779
73	237.12.26	86.46.49	147.746	2.120	2746377.886	274197.914	152.713	779
74	61.23.06	88.29.50	191.676	2.120	2746549.546	274490.124	149.443	779
75	68.02.15	88.37.31	170.429	2.120	2746521.502	274479.933	148.504	779
76	60.10.15	88.21.36	165.841	2.120	2746540.238	274465.728	149.162	779
77	62.49.26	88.11.34	155.141	2.120	2746528.602	274459.864	149.308	779
78	226.23.26	87.41.1	248.369	2.120	2746286.610	274142.232	154.456	779

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

光線法計算表

工程名稱:99年後池淤積測量工作

後視:SA09		N:2746265.509		E:274162.007			後視方位角:219.45.01	
測站:SA10		N:2746457.780		E:274321.918		Z:145.118	儀器高:1.416	
點號	方位角	垂直角	斜距	覘標高	縱座標(N)	橫座標(E)	高程(Z)	備註
79	228.54.41	86.28.59	151.182	2.120	2746358.606	274208.188	153.689	779
80	235.20.18	84.35.12	92.021	2.120	2746405.678	274246.566	153.096	779
81	315.47.56	70.46.10	23.817	2.120	2746473.902	274306.240	152.258	779
82	38.57.12	81.48.40	53.017	2.120	2746498.589	274354.909	151.965	779
83	55.43.11	86.39.1	105.645	2.120	2746517.182	274409.063	150.587	779
84	223.59.00	87.46.50	251.442	2.120	2746276.992	274147.436	154.155	779
85	225.11.08	87.8.40	196.359	2.120	2746319.555	274182.796	154.198	779
86	63.44.04	88.5.44	149.745	2.120	2746524.011	274456.128	149.392	779
87	74.15.27	89.18.38	285.553	2.120	2746535.250	274596.740	147.855	779
88	70.46.46	88.35.25	210.358	2.120	2746527.010	274520.490	149.592	779
89	70.17.29	89.14.12	191.900	2.120	2746522.490	274502.560	146.973	779
90	68.02.10	88.11.23	158.090	2.120	2746516.880	274468.460	149.409	779
91	69.48.24	88.13.37	160.105	2.120	2746513.020	274472.110	149.369	779
92	67.54.52	89.41.30	148.037	2.120	2746513.440	274459.090	145.212	779
93	74.52.50	91.49.6	192.251	2.120	2746507.900	274507.420	138.316	779
94	73.10.15	88.58.12	177.805	2.120	2746509.250	274492.080	147.612	779
95	67.58.09	89.41.5	131.992	2.120	2746507.290	274444.270	145.141	779
96	73.53.57	91.43.45	167.745	2.120	2746504.280	274483.010	139.354	779
97	70.12.19	91.15.36	136.573	2.120	2746504.020	274450.390	141.412	779
98	67.40.17	89.37.15	118.791	2.120	2746502.910	274431.800	145.201	779
99	66.11.02	89.38.4	104.459	2.120	2746499.960	274417.480	145.081	779
100	76.12.24	92.30.26	172.507	2.120	2746498.870	274489.290	136.869	779
101	74.11.00	92.4.36	151.514	2.120	2746499.050	274467.600	138.925	779
102	70.29.44	91.41.48	124.349	2.120	2746499.280	274439.080	140.733	779
103	64.52.26	89.32.35	87.306	2.120	2746494.850	274400.960	145.110	779
104	74.58.06	92.50.30	138.475	2.120	2746493.650	274455.490	137.550	779
105	72.07.25	92.39.42	117.958	2.120	2746493.950	274434.060	138.937	779
106	68.38.39	90.49.6	98.978	2.120	2746493.820	274414.090	143.001	779
107	75.15.23	93.19.27	116.622	2.120	2746487.410	274434.511	137.652	779
108	72.16.52	92.56.59	103.703	2.120	2746489.300	274420.570	139.078	779
109	67.59.09	90.52.17	83.725	2.120	2746489.160	274399.530	143.141	779
110	76.31.42	93.50.26	112.072	2.120	2746483.830	274430.661	136.908	779
111	72.32.45	93.32.44	87.050	2.120	2746483.840	274404.801	139.031	779
112	68.51.45	91.53.47	73.194	2.120	2746484.160	274390.150	141.992	779
113	64.19.26	89.7.36	59.459	2.120	2746483.540	274375.500	145.320	779
114	77.17.51	94.37.6	94.126	2.120	2746478.410	274413.442	136.835	779
115	74.53.48	94.52.27	81.660	2.120	2746478.981	274400.472	137.476	779
116	71.24.35	94.3.41	66.385	2.120	2746478.890	274384.681	139.712	779
117	65.57.37	90.40.40	52.707	2.120	2746479.250	274370.050	143.790	779

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

光線法計算表

工程名稱:99年後池淤積測量工作

後視:SA09		N:2746265.509		E:274162.007			後視方位角:219.45.01	
測站:SA10		N:2746457.780		E:274321.918		Z:145.118	儀器高:1.416	
點號	方位角	垂直角	斜距	覘標高	縱座標(N)	橫座標(E)	高程(Z)	備註
118	78.45.39	95.28.34	80.254	2.120	2746473.351	274400.273	136.755	779
119	73.20.52	95.21.6	55.975	2.120	2746473.751	274375.312	139.193	779
120	67.16.41	93.9.24	42.316	2.120	2746474.100	274360.890	142.084	779
121	57.40.51	88.18.19	29.622	2.120	2746473.610	274346.940	145.290	779
122	80.50.25	96.45.50	64.025	2.120	2746467.901	274384.686	136.873	779
123	70.34.11	96.48.3	34.243	2.120	2746469.091	274353.983	140.359	779
124	59.07.23	87.56.55	21.116	2.120	2746468.610	274340.030	145.170	779
125	84.19.20	100.12.0	41.203	2.120	2746461.792	274362.271	137.117	779
126	76.56.39	100.25.12	28.732	2.120	2746464.164	274349.446	139.217	779
127	63.41.23	86.9.25	12.301	2.120	2746463.220	274332.920	145.238	779
128	89.04.07	101.56.43	32.727	2.120	2746458.301	274353.932	137.640	779
129	87.06.11	104.42.37	17.840	2.120	2746458.652	274339.151	139.884	779
130	82.57.32	79.18.55	4.486	2.120	2746458.320	274326.293	145.245	779
131	103.42.24	106.1.18	26.479	2.120	2746451.749	274346.644	137.105	779
132	113.00.08	110.37.13	14.308	2.120	2746452.547	274334.244	139.375	779
133	198.48.39	82.1.19	6.039	2.120	2746452.119	274319.990	145.252	779
134	122.31.35	108.28.40	22.515	2.120	2746446.298	274339.923	137.278	779
135	165.06.36	107.18.2	9.386	2.120	2746449.119	274324.221	141.622	779
136	136.23.21	109.16.51	21.421	2.120	2746443.140	274335.865	137.340	779
137	191.41.03	99.57.24	14.034	2.120	2746444.244	274319.119	141.987	779
138	188.49.16	103.52.58	19.436	2.120	2746439.135	274319.025	139.750	779
139	170.20.59	105.32.0	27.212	2.120	2746431.933	274326.313	137.126	779
140	207.43.03	94.3.50	27.780	2.120	2746433.250	274309.030	142.445	779
141	216.23.42	88.41.8	34.707	2.120	2746429.850	274301.330	145.210	779
142	193.17.00	102.5.50	31.137	2.120	2746428.149	274314.923	137.888	779
143	198.42.48	99.39.33	37.919	2.120	2746422.375	274309.925	138.052	779
144	217.10.41	88.56.11	43.973	2.120	2746422.750	274295.350	145.230	779
145	209.46.34	94.31.2	44.981	2.120	2746418.859	274299.650	140.871	779
146	196.24.38	99.8.55	46.222	2.120	2746414.005	274309.026	137.065	779
147	212.02.25	93.14.43	51.388	2.120	2746414.290	274294.700	141.505	779
148	208.08.57	95.25.17	55.358	2.120	2746409.188	274295.919	139.184	779
149	205.56.46	96.30.33	60.157	2.120	2746404.035	274295.768	137.594	779
150	218.12.30	89.17.42	68.779	2.120	2746403.740	274279.380	145.260	779
151	201.40.36	96.46.50	63.445	2.120	2746399.234	274298.648	136.923	779
152	212.48.28	93.25.59	69.739	2.120	2746399.270	274284.200	140.238	779
153	219.52.58	89.21.22	79.772	2.120	2746396.570	274270.770	145.311	779
154	203.45.52	95.59.37	71.087	2.120	2746393.076	274293.428	136.991	779
155	213.32.35	93.0.15	77.434	2.120	2746393.330	274279.190	140.356	779
156	205.08.43	95.34.20	77.321	2.120	2746388.117	274289.218	136.906	779

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

光線法計算表

工程名稱:99年後池淤積測量工作

後視:SA09		N:2746265.509		E:274162.007			後視方位角:219.45.01	
測站:SA10		N:2746457.780		E:274321.918		Z:145.118	儀器高:1.416	
點號	方位角	垂直角	斜距	覘標高	縱座標(N)	橫座標(E)	高程(Z)	備註
157	214.30.41	92.24.24	83.361	2.120	2746389.150	274274.730	140.914	779
158	206.32.45	95.0.47	84.859	2.120	2746382.158	274284.139	136.999	779
159	215.29.49	91.57.34	90.430	2.120	2746384.200	274269.440	141.322	779
160	210.59.49	94.14.49	92.428	2.120	2746378.769	274274.449	137.569	779
161	218.50.27	89.31.16	102.431	2.120	2746378.000	274257.680	145.270	779
162	211.43.59	93.53.44	100.503	2.120	2746372.499	274269.180	137.586	779
163	218.57.09	89.31.18	108.546	2.120	2746373.370	274253.680	145.321	779
164	212.14.11	93.40.48	106.871	2.120	2746367.569	274265.029	137.555	779
165	219.00.17	89.33.48	114.970	2.120	2746368.440	274249.560	145.291	779
166	212.44.48	93.27.21	113.658	2.120	2746362.359	274260.550	137.563	779
167	219.18.53	89.31.25	123.427	2.120	2746362.290	274243.720	145.441	779
168	213.08.20	93.14.51	120.263	2.120	2746357.240	274256.280	137.602	779
169	219.14.11	89.31.47	128.661	2.120	2746358.130	274240.540	145.471	779
170	219.15.24	89.33.8	133.915	2.120	2746354.090	274237.180	145.461	779
171	211.10.35	93.18.33	127.355	2.120	2746348.999	274256.100	137.063	779
172	217.06.05	91.12.43	136.294	2.120	2746349.100	274239.720	141.532	779
173	217.34.18	90.58.26	143.764	2.120	2746343.850	274234.270	141.972	779
174	219.19.07	89.37.27	151.871	2.120	2746340.290	274225.690	145.411	779
175	212.05.32	93.0.33	141.793	2.120	2746337.819	274246.690	136.971	779
176	212.37.47	92.48.7	152.087	2.120	2746329.850	274240.010	136.981	779
177	216.54.07	91.33.0	154.621	2.120	2746334.180	274229.110	140.233	779
178	217.16.07	91.14.31	161.623	2.120	2746329.190	274224.070	140.912	779
179	213.00.29	92.38.37	160.129	2.120	2746323.640	274234.780	137.030	779
180	219.22.33	89.43.0	175.124	2.120	2746322.410	274210.820	145.282	779
181	215.11.02	92.19.30	169.782	2.120	2746319.130	274224.170	137.528	779
182	219.24.54	89.41.51	181.074	2.120	2746317.890	274206.950	145.372	779
183	219.11.33	89.57.51	186.458	2.120	2746313.270	274204.090	144.533	779
184	217.09.21	91.27.15	186.485	2.120	2746309.200	274209.320	139.684	779
185	214.04.29	92.15.19	188.748	2.120	2746301.560	274216.250	136.988	779
186	218.40.33	90.27.41	196.639	2.120	2746304.270	274199.040	142.833	779
187	219.28.47	89.28.48	205.683	2.120	2746299.030	274191.150	146.283	779
188	214.14.52	91.59.49	200.288	2.120	2746292.320	274209.270	137.437	779
189	219.28.47	89.44.6	213.256	2.120	2746293.180	274186.330	145.403	779
190	214.33.34	92.3.24	206.438	2.120	2746287.880	274204.890	137.008	779
191	218.07.49	90.45.34	215.272	2.120	2746288.460	274189.010	141.563	779
192	216.11.11	91.48.51	215.446	2.120	2746283.980	274194.780	137.596	779
193	219.29.18	89.42.15	225.956	2.120	2746283.400	274178.230	145.584	779
194	217.36.47	91.8.38	226.037	2.120	2746278.760	274183.990	139.905	779
195	215.05.31	91.52.15	226.353	2.120	2746272.670	274191.860	137.028	779

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

光線法計算表

工程名稱:99年後池淤積測量工作

後視:SA09		N:2746265.509		E:274162.007			後視方位角:219.45.01	
測站:SA10		N:2746457.780		E:274321.918		Z:145.118	儀器高:1.416	
點號	方位角	垂直角	斜距	覘標高	縱座標(N)	橫座標(E)	高程(Z)	備註
196	217.52.07	91.4.15	232.895	2.120	2746273.960	274178.980	140.065	779
197	216.33.01	91.37.29	238.789	2.120	2746266.030	274179.770	137.647	779
198	219.30.55	89.43.30	247.107	2.120	2746267.150	274164.690	145.604	779
199	217.07.28	91.11.32	244.256	2.120	2746263.070	274174.530	139.336	779
200	219.26.38	89.42.21	254.391	2.120	2746261.330	274160.300	145.724	779
201	214.54.43	91.40.37	252.536	2.120	2746250.780	274177.449	137.028	779
202	217.43.39	90.51.47	257.827	2.120	2746253.880	274164.170	140.535	779
203	218.45.12	89.44.2	266.067	2.120	2746250.290	274155.370	145.654	779
204	216.17.00	91.5.56	261.901	2.120	2746246.700	274166.960	139.396	779
205	215.59.41	91.4.26	268.527	2.120	2746240.560	274164.130	139.386	779
206	218.19.48	89.44.38	274.385	2.120	2746242.540	274151.750	145.645	779
207	213.53.39	91.32.38	273.956	2.120	2746230.460	274169.200	137.038	779
208	216.51.44	90.39.16	279.565	2.120	2746234.120	274154.220	141.226	779
209	217.02.24	90.17.54	286.768	2.120	2746228.880	274149.180	142.926	779
210	216.28.43	90.35.37	290.919	2.120	2746223.870	274148.970	141.405	779
211	215.02.57	91.0.37	292.218	2.120	2746218.590	274154.130	139.267	779
212	217.03.04	89.44.2	302.760	2.120	2746216.150	274139.500	145.826	779
213	213.11.47	91.22.44	296.752	2.120	2746209.530	274159.491	137.279	779
214	213.21.54	91.21.32	302.425	2.120	2746205.270	274155.640	137.248	779
215	215.25.14	90.50.10	306.566	2.120	2746207.980	274144.260	139.946	779
216	213.44.30	91.22.0	309.474	2.120	2746200.510	274150.070	137.039	779
217	215.47.59	90.25.59	312.732	2.120	2746204.140	274138.990	142.057	779
218	214.15.31	90.55.29	315.550	2.120	2746197.010	274144.310	139.328	779
219	216.32.54	89.42.39	324.318	2.120	2746197.240	274128.789	146.058	779
220	212.32.34	91.23.39	317.381	2.120	2746190.310	274151.240	136.698	779
221	214.39.24	90.53.35	321.602	2.120	2746193.270	274139.059	139.408	779
222	215.29.54	90.30.37	330.451	2.120	2746188.760	274130.040	141.478	779
223	216.33.21	89.46.21	339.151	2.120	2746185.350	274119.920	145.768	779
224	213.55.34	91.11.12	336.627	2.120	2746178.520	274134.079	137.450	779
225	216.26.40	89.48.22	347.600	2.120	2746178.160	274115.430	145.598	779
226	214.20.39	90.48.43	345.962	2.120	2746172.160	274126.760	139.519	779
227	216.25.27	89.48.9	353.090	2.120	2746173.670	274112.270	145.639	779
228	216.24.26	89.49.12	358.740	2.120	2746169.060	274109.000	145.549	779
229	213.58.27	91.11.19	353.981	2.120	2746164.290	274124.150	137.079	779
230	215.46.53	90.17.47	362.123	2.120	2746164.010	274110.190	142.549	779
231	216.23.40	89.48.9	370.124	2.120	2746159.850	274102.310	145.699	779
232	214.10.28	90.56.23	361.101	2.120	2746159.070	274119.110	138.500	779
233	212.49.51	91.11.33	366.685	2.120	2746149.730	274123.160	136.791	779
234	215.35.52	90.27.30	374.125	2.120	2746153.580	274104.151	141.430	779

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

光線法計算表

工程名稱:99年後池淤積測量工作

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測站:SA10		N:2746457.780		E:274321.918		Z:145.118	儀器高:1.416	
點號	方位角	垂直角	斜距	覘標高	縱座標(N)	橫座標(E)	高程(Z)	備註
235	214.55.09	90.44.35	378.074	2.120	2746147.800	274105.520	139.520	779
236	216.30.23	89.41.35	385.540	2.120	2746147.890	274092.559	146.489	779
237	212.39.25	91.11.19	375.165	2.120	2746141.990	274119.520	136.641	779
238	214.32.43	90.45.6	383.714	2.120	2746141.750	274104.350	139.390	779
239	216.34.21	89.48.1	391.782	2.120	2746143.140	274088.481	145.790	779
240	213.34.53	91.5.17	384.595	2.120	2746137.431	274109.229	137.121	779
241	215.29.07	90.33.28	391.734	2.120	2746138.820	274094.530	140.611	779
242	213.42.08	91.4.8	392.010	2.120	2746131.710	274104.439	137.111	779
243	215.45.25	90.23.29	398.639	2.120	2746134.290	274088.980	141.701	779
244	213.11.36	91.7.30	397.397	2.120	2746125.290	274104.399	136.622	779
245	215.54.38	90.21.49	405.634	2.120	2746129.250	274084.010	141.851	779
246	215.30.05	90.39.8	409.754	2.120	2746124.220	274083.981	139.761	779
247	212.43.56	91.11.12	402.757	2.120	2746119.050	274104.189	136.084	779
248	214.51.24	90.41.29	413.028	2.120	2746118.880	274085.880	139.441	779
249	216.32.24	89.47.56	423.442	2.120	2746117.570	274069.809	145.912	779
250	213.56.21	90.59.13	414.076	2.120	2746114.300	274090.769	137.293	779
251	215.48.00	90.26.19	423.801	2.120	2746114.060	274074.020	141.182	779
252	212.53.57	91.4.3	416.613	2.120	2746108.040	274095.669	136.664	779
253	215.56.46	90.23.30	430.757	2.120	2746109.060	274069.060	141.482	779
254	212.59.12	91.1.54	425.070	2.120	2746101.290	274090.530	136.772	779
255	216.54.34	89.42.51	444.310	2.120	2746102.520	274055.091	146.644	779
256	214.17.39	90.47.26	435.080	2.120	2746098.370	274076.800	138.423	779
257	215.42.04	90.33.58	441.656	2.120	2746099.140	274064.200	140.063	779
258	215.07.41	90.38.27	447.312	2.120	2746091.961	274064.549	139.424	779
259	74.15.27	89.18.38	285.553	2.120	2746535.250	274596.740	147.855	779
260	70.46.46	88.35.25	210.358	2.120	2746527.010	274520.490	149.592	779
261	70.30.08	89.9.13	199.440	2.120	2746524.340	274509.900	147.362	779
262	70.17.29	89.14.12	191.900	2.120	2746522.490	274502.560	146.973	779
263	69.06.09	88.31.13	177.547	2.120	2746521.090	274487.730	149.001	779
264	73.20.33	88.52.55	210.922	2.120	2746518.230	274523.950	148.532	779
265	71.56.38	88.34.39	186.312	2.120	2746515.510	274499.000	149.041	779
266	70.53.50	88.26.22	176.069	2.120	2746515.380	274488.230	149.211	779
267	68.02.10	88.11.23	158.090	2.120	2746516.880	274468.460	149.409	779
268	72.50.30	90.58.26	191.407	2.120	2746514.240	274504.780	141.163	779
269	71.49.36	88.30.4	181.021	2.120	2746514.220	274493.850	149.151	779
270	71.46.58	88.25.12	171.711	2.120	2746511.440	274484.960	149.150	779
271	70.45.48	88.18.9	165.215	2.120	2746512.190	274477.840	149.310	779
272	69.48.24	88.13.37	160.105	2.120	2746513.020	274472.110	149.369	779
273	67.54.52	89.41.30	148.037	2.120	2746513.440	274459.090	145.212	779

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

光線法計算表

工程名稱:99年後池淤積測量工作

後視:SA09		N:2746265.509		E:274162.007			後視方位角:219.45.01	
測站:SA10		N:2746457.780		E:274321.918		Z:145.118	儀器高:1.416	
點號	方位角	垂直角	斜距	覘標高	縱座標(N)	橫座標(E)	高程(Z)	備註
274	67.54.46	89.42.14	138.638	2.120	2746509.910	274450.380	145.131	779
275	74.52.50	91.49.6	192.251	2.120	2746507.900	274507.420	138.316	779
276	73.56.01	89.1.37	183.474	2.120	2746508.550	274498.200	147.532	779
277	73.10.15	88.58.12	177.805	2.120	2746509.250	274492.080	147.612	779
278	67.58.09	89.41.5	131.992	2.120	2746507.290	274444.270	145.141	779
279	74.53.30	91.21.54	178.107	2.120	2746504.190	274493.820	140.173	779
280	74.25.52	91.35.54	172.870	2.120	2746504.160	274488.380	139.594	779
281	73.53.57	91.43.45	167.745	2.120	2746504.280	274483.010	139.354	779
282	72.06.31	91.34.50	146.174	2.120	2746502.670	274460.970	140.383	779
283	70.12.19	91.15.36	136.573	2.120	2746504.020	274450.390	141.412	779
284	67.40.17	89.37.15	118.791	2.120	2746502.910	274431.800	145.201	779
285	67.26.23	89.34.57	110.674	2.120	2746500.240	274424.120	145.221	779
286	66.11.02	89.38.4	104.459	2.120	2746499.960	274417.480	145.081	779
287	76.12.24	92.30.26	172.507	2.120	2746498.870	274489.290	136.869	779
288	74.51.42	92.45.8	158.790	2.120	2746499.200	274475.020	136.791	779
289	74.11.00	92.4.36	151.514	2.120	2746499.050	274467.600	138.925	779
290	71.59.29	92.17.2	133.240	2.120	2746498.940	274448.530	139.105	779
291	70.29.44	91.41.48	124.349	2.120	2746499.280	274439.080	140.733	779
292	65.41.27	89.32.30	95.810	2.120	2746497.220	274409.230	145.181	779
293	64.52.26	89.32.35	87.306	2.120	2746494.850	274400.960	145.110	779
294	75.17.05	93.3.44	143.622	2.120	2746494.210	274460.631	136.743	779
295	74.58.06	92.50.30	138.475	2.120	2746493.650	274455.490	137.550	779
296	73.26.54	93.6.52	127.611	2.120	2746494.080	274444.060	137.482	779
297	72.07.25	92.39.42	117.958	2.120	2746493.950	274434.060	138.937	779
298	70.26.56	91.56.39	109.102	2.120	2746494.270	274424.670	140.713	779
299	69.31.09	91.24.23	104.006	2.120	2746494.160	274419.320	141.862	779
300	68.38.39	90.49.6	98.978	2.120	2746493.820	274414.090	143.001	779
301	65.55.28	89.26.7	77.760	2.120	2746489.500	274392.910	145.180	779
302	63.50.01	89.24.35	73.409	2.120	2746490.150	274387.800	145.170	779
303	76.04.19	93.33.10	122.627	2.120	2746487.240	274440.711	136.816	779
304	75.15.23	93.19.27	116.622	2.120	2746487.410	274434.511	137.652	779
305	72.16.52	92.56.59	103.703	2.120	2746489.300	274420.570	139.078	779
306	70.19.53	92.13.34	92.707	2.120	2746488.960	274409.150	140.813	779
307	67.59.09	90.52.17	83.725	2.120	2746489.160	274399.530	143.141	779
308	64.54.25	89.11.16	64.639	2.120	2746485.190	274380.450	145.330	779
309	61.20.31	89.13.44	55.449	2.120	2746484.370	274370.570	145.160	779
310	76.31.42	93.50.26	112.072	2.120	2746483.830	274430.661	136.908	779
311	74.18.05	94.10.42	95.458	2.120	2746483.540	274413.571	137.459	779
312	72.32.45	93.32.44	87.050	2.120	2746483.840	274404.801	139.031	779

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

光線法計算表

工程名稱:99年後池淤積測量工作

後視:SA09		N:2746265.509		E:274162.007			後視方位角:219.45.01	
測站:SA10		N:2746457.780		E:274321.918		Z:145.118	儀器高:1.416	
點號	方位角	垂直角	斜距	覘標高	縱座標(N)	橫座標(E)	高程(Z)	備註
313	70.14.11	92.39.39	78.187	2.120	2746484.190	274395.420	140.784	779
314	68.51.45	91.53.47	73.194	2.120	2746484.160	274390.150	141.992	779
315	64.19.26	89.7.36	59.459	2.120	2746483.540	274375.500	145.320	779
316	62.42.00	88.57.18	48.040	2.120	2746479.810	274364.600	145.290	779
317	77.17.51	94.37.6	94.126	2.120	2746478.410	274413.442	136.835	779
318	74.53.48	94.52.27	81.660	2.120	2746478.981	274400.472	137.476	779
319	71.24.35	94.3.41	66.385	2.120	2746478.890	274384.681	139.712	779
320	69.57.21	93.15.2	60.989	2.120	2746478.650	274379.120	140.956	779
321	65.57.37	90.40.40	52.707	2.120	2746479.250	274370.050	143.790	779
322	60.46.19	88.42.19	38.778	2.120	2746476.710	274355.750	145.290	779
323	78.45.39	95.28.34	80.254	2.120	2746473.351	274400.273	136.755	779
324	79.52.16	96.9.57	70.752	2.120	2746470.151	274391.165	136.815	779
325	76.06.02	96.18.20	62.659	2.120	2746472.741	274382.375	137.532	779
326	73.20.52	95.21.6	55.975	2.120	2746473.751	274375.312	139.193	779
327	70.44.10	94.53.20	50.196	2.120	2746474.281	274369.131	140.136	779
328	67.16.41	93.9.24	42.316	2.120	2746474.100	274360.890	142.084	779
329	57.40.51	88.18.19	29.622	2.120	2746473.610	274346.940	145.290	779
330	80.50.25	96.45.50	64.025	2.120	2746467.901	274384.686	136.873	779
331	77.59.02	98.37.8	45.679	2.120	2746467.182	274366.092	137.568	779
332	74.17.37	97.22.21	40.680	2.120	2746468.701	274360.755	139.194	779
333	70.34.11	96.48.3	34.243	2.120	2746469.091	274353.983	140.359	779
334	59.07.23	87.56.55	21.116	2.120	2746468.610	274340.030	145.170	779
335	82.53.06	98.14.26	52.709	2.120	2746464.241	274373.681	136.859	779
336	84.19.20	100.12.0	41.203	2.120	2746461.792	274362.271	137.117	779
337	79.40.44	100.32.36	37.038	2.120	2746464.304	274357.742	137.637	779
338	76.56.39	100.25.12	28.732	2.120	2746464.164	274349.446	139.217	779
339	75.28.01	99.51.14	23.510	2.120	2746463.593	274344.340	140.390	779
340	63.41.23	86.9.25	12.301	2.120	2746463.220	274332.920	145.238	779
341	89.04.07	101.56.43	32.727	2.120	2746458.301	274353.932	137.640	779
342	93.35.20	106.16.13	23.552	2.120	2746456.365	274344.482	137.815	779
343	87.06.11	104.42.37	17.840	2.120	2746458.652	274339.151	139.884	779
344	82.57.32	79.18.55	4.486	2.120	2746458.320	274326.293	145.245	779
345	103.42.24	106.1.18	26.479	2.120	2746451.749	274346.644	137.105	779
346	113.00.08	110.37.13	14.308	2.120	2746452.547	274334.244	139.375	779
347	117.19.41	108.41.22	8.495	2.120	2746454.086	274329.067	141.692	779
348	198.48.39	82.1.19	6.039	2.120	2746452.119	274319.990	145.252	779
349	122.31.35	108.28.40	22.515	2.120	2746446.298	274339.923	137.278	779
350	141.56.01	112.32.4	12.927	2.120	2746448.380	274329.280	139.460	779
351	165.06.36	107.18.2	9.386	2.120	2746449.119	274324.221	141.622	779

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

光線法計算表

工程名稱:99年後池淤積測量工作

後視:SA09		N:2746265.509		E:274162.007			後視方位角:219.45.01	
測站:SA10		N:2746457.780		E:274321.918		Z:145.118	儀器高:1.416	
點號	方位角	垂直角	斜距	覘標高	縱座標(N)	橫座標(E)	高程(Z)	備註
352	136.23.21	109.16.51	21.421	2.120	2746443.140	274335.865	137.340	779
353	169.32.10	108.38.54	15.805	2.120	2746443.054	274324.638	139.360	779
354	191.41.03	99.57.24	14.034	2.120	2746444.244	274319.119	141.987	779
355	213.58.18	87.45.20	20.575	2.120	2746440.730	274310.430	145.219	779
356	155.53.58	107.51.48	23.469	2.120	2746437.390	274331.039	137.215	779
357	173.37.45	107.48.31	21.336	2.120	2746437.592	274324.172	137.888	779
358	188.49.16	103.52.58	19.436	2.120	2746439.135	274319.025	139.750	779
359	218.21.15	88.39.47	28.980	2.120	2746435.060	274303.940	145.090	779
360	170.20.59	105.32.0	27.212	2.120	2746431.933	274326.313	137.126	779
361	196.32.27	100.17.30	25.353	2.120	2746433.867	274314.816	139.884	779
362	207.43.03	94.3.50	27.780	2.120	2746433.250	274309.030	142.445	779
363	216.23.42	88.41.8	34.707	2.120	2746429.850	274301.330	145.210	779
364	193.17.00	102.5.50	31.137	2.120	2746428.149	274314.923	137.888	779
365	189.16.20	101.41.2	36.526	2.120	2746422.478	274316.155	137.017	779
366	198.42.48	99.39.33	37.919	2.120	2746422.375	274309.925	138.052	779
367	207.53.21	95.16.18	38.405	2.120	2746423.979	274304.029	140.885	779
368	217.10.41	88.56.11	43.973	2.120	2746422.750	274295.350	145.230	779
369	209.46.34	94.31.2	44.981	2.120	2746418.859	274299.650	140.871	779
370	217.38.39	89.8.27	52.429	2.120	2746416.270	274289.900	145.200	779
371	196.24.38	99.8.55	46.222	2.120	2746414.005	274309.026	137.065	779
372	212.02.25	93.14.43	51.388	2.120	2746414.290	274294.700	141.505	779
373	217.54.59	89.10.22	58.619	2.120	2746411.540	274285.900	145.260	779
374	199.03.41	96.58.21	54.324	2.120	2746406.814	274304.308	137.819	779
375	208.08.57	95.25.17	55.358	2.120	2746409.188	274295.919	139.184	779
376	205.56.46	96.30.33	60.157	2.120	2746404.035	274295.768	137.594	779
377	211.29.30	94.22.11	63.124	2.120	2746404.109	274289.039	139.604	779
378	218.12.30	89.17.42	68.779	2.120	2746403.740	274279.380	145.260	779
379	218.23.14	89.23.34	74.191	2.120	2746399.630	274275.850	145.200	779
380	201.40.36	96.46.50	63.445	2.120	2746399.234	274298.648	136.923	779
381	207.39.08	95.44.4	68.149	2.120	2746397.717	274290.448	137.605	779
382	212.48.28	93.25.59	69.739	2.120	2746399.270	274284.200	140.238	779
383	219.52.58	89.21.22	79.772	2.120	2746396.570	274270.770	145.311	779
384	203.45.52	95.59.37	71.087	2.120	2746393.076	274293.428	136.991	779
385	208.56.33	95.16.56	74.562	2.120	2746392.808	274285.989	137.550	779
386	213.32.35	93.0.15	77.434	2.120	2746393.330	274279.190	140.356	779
387	219.50.45	89.15.56	87.077	2.120	2746390.930	274266.130	145.530	779
388	205.08.43	95.34.20	77.321	2.120	2746388.117	274289.218	136.906	779
389	214.30.41	92.24.24	83.361	2.120	2746389.150	274274.730	140.914	779
390	219.44.17	89.23.26	95.548	2.120	2746384.310	274260.840	145.431	779

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

光線法計算表

工程名稱:99年後池淤積測量工作

後視:SA09		N:2746265.509		E:274162.007			後視方位角:219.45.01	
測站:SA10		N:2746457.780		E:274321.918		Z:145.118	儀器高:1.416	
點號	方位角	垂直角	斜距	覘標高	縱座標(N)	橫座標(E)	高程(Z)	備註
391	206.32.45	95.0.47	84.859	2.120	2746382.158	274284.139	136.999	779
392	210.12.55	94.34.46	85.318	2.120	2746384.289	274279.119	137.602	779
393	215.29.49	91.57.34	90.430	2.120	2746384.200	274269.440	141.322	779
394	210.59.49	94.14.49	92.428	2.120	2746378.769	274274.449	137.569	779
395	213.19.29	93.8.10	96.067	2.120	2746377.630	274269.220	139.159	779
396	216.19.25	91.28.3	97.725	2.120	2746379.070	274264.050	141.912	779
397	218.50.27	89.31.16	102.431	2.120	2746378.000	274257.680	145.270	779
398	208.33.31	94.17.25	99.092	2.120	2746370.989	274274.679	137.001	779
399	211.43.59	93.53.44	100.503	2.120	2746372.499	274269.180	137.586	779
400	218.57.09	89.31.18	108.546	2.120	2746373.370	274253.680	145.321	779
401	209.22.48	93.58.10	106.409	2.120	2746365.279	274269.839	137.048	779
402	212.14.11	93.40.48	106.871	2.120	2746367.569	274265.029	137.555	779
403	215.03.02	92.30.25	109.261	2.120	2746368.420	274259.230	139.635	779
404	219.00.17	89.33.48	114.970	2.120	2746368.440	274249.560	145.291	779
405	212.44.48	93.27.21	113.658	2.120	2746362.359	274260.550	137.563	779
406	215.46.46	91.59.32	115.962	2.120	2746363.760	274254.160	140.383	779
407	219.18.53	89.31.25	123.427	2.120	2746362.290	274243.720	145.441	779
408	210.10.27	93.41.6	114.952	2.120	2746358.609	274264.259	137.026	779
409	213.08.20	93.14.51	120.263	2.120	2746357.240	274256.280	137.602	779
410	216.23.14	91.39.2	122.966	2.120	2746358.830	274249.000	140.873	779
411	219.14.11	89.31.47	128.661	2.120	2746358.130	274240.540	145.471	779
412	216.54.14	91.21.46	129.632	2.120	2746354.150	274244.100	141.332	779
413	219.15.24	89.33.8	133.915	2.120	2746354.090	274237.180	145.461	779
414	219.14.56	89.34.46	139.801	2.120	2746349.520	274233.470	145.441	779
415	211.10.35	93.18.33	127.355	2.120	2746348.999	274256.100	137.063	779
416	213.42.32	92.58.43	131.136	2.120	2746348.840	274249.240	137.601	779
417	217.06.05	91.12.43	136.294	2.120	2746349.100	274239.720	141.532	779
418	219.22.26	89.36.39	146.648	2.120	2746344.420	274228.890	145.411	779
419	215.28.40	92.9.7	140.606	2.120	2746343.360	274240.370	139.135	779
420	217.34.18	90.58.26	143.764	2.120	2746343.850	274234.270	141.972	779
421	219.19.07	89.37.27	151.871	2.120	2746340.290	274225.690	145.411	779
422	212.05.32	93.0.33	141.793	2.120	2746337.819	274246.690	136.971	779
423	219.21.46	89.37.30	158.382	2.120	2746335.330	274221.470	145.452	779
424	212.37.47	92.48.7	152.087	2.120	2746329.850	274240.010	136.981	779
425	214.34.19	92.35.56	150.335	2.120	2746334.120	274236.700	137.598	779
426	216.54.07	91.33.0	154.621	2.120	2746334.180	274229.110	140.233	779
427	219.24.49	89.37.18	164.543	2.120	2746330.660	274217.450	145.502	779
428	214.58.01	92.24.29	162.258	2.120	2746324.930	274229.010	137.598	779
429	217.16.07	91.14.31	161.623	2.120	2746329.190	274224.070	140.912	779

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

光線法計算表

工程名稱:99年後池淤積測量工作

後視:SA09		N:2746265.509		E:274162.007			後視方位角:219.45.01	
測站:SA10		N:2746457.780		E:274321.918		Z:145.118	儀器高:1.416	
點號	方位角	垂直角	斜距	覘標高	縱座標(N)	橫座標(E)	高程(Z)	備註
430	213.00.29	92.38.37	160.129	2.120	2746323.640	274234.780	137.030	779
431	217.22.38	91.11.0	168.649	2.120	2746323.790	274219.560	140.933	779
432	219.22.33	89.43.0	175.124	2.120	2746322.410	274210.820	145.282	779
433	213.21.54	92.31.55	168.115	2.120	2746317.510	274229.550	136.989	779
434	215.11.02	92.19.30	169.782	2.120	2746319.130	274224.170	137.528	779
435	216.26.28	91.46.14	173.178	2.120	2746318.530	274219.100	139.065	779
436	219.24.54	89.41.51	181.074	2.120	2746317.890	274206.950	145.372	779
437	216.29.26	91.39.59	180.571	2.120	2746312.670	274214.580	139.165	779
438	219.11.33	89.57.51	186.458	2.120	2746313.270	274204.090	144.533	779
439	219.28.47	89.45.54	191.645	2.120	2746309.860	274200.070	145.202	779
440	213.49.45	92.20.59	181.156	2.120	2746307.420	274221.150	136.989	779
441	217.09.21	91.27.15	186.485	2.120	2746309.200	274209.320	139.684	779
442	214.04.29	92.15.19	188.748	2.120	2746301.560	274216.250	136.988	779
443	215.42.21	92.3.0	189.796	2.120	2746303.760	274211.220	137.627	779
444	217.30.27	91.13.14	193.533	2.120	2746304.290	274204.110	140.294	779
445	218.40.33	90.27.41	196.639	2.120	2746304.270	274199.040	142.833	779
446	215.47.33	91.42.50	200.992	2.120	2746294.820	274204.420	138.405	779
447	217.36.24	91.10.25	200.782	2.120	2746298.750	274199.420	140.304	779
448	219.28.47	89.28.48	205.683	2.120	2746299.030	274191.150	146.283	779
449	214.14.52	91.59.49	200.288	2.120	2746292.320	274209.270	137.437	779
450	217.52.40	90.55.48	207.800	2.120	2746293.780	274194.350	141.044	779
451	219.28.47	89.44.6	213.256	2.120	2746293.180	274186.330	145.403	779
452	219.29.40	89.42.44	218.317	2.120	2746289.310	274183.070	145.513	779
453	214.33.34	92.3.24	206.438	2.120	2746287.880	274204.890	137.008	779
454	216.03.25	91.52.7	208.539	2.120	2746289.280	274199.240	137.617	779
455	218.07.49	90.45.34	215.272	2.120	2746288.460	274189.010	141.563	779
456	214.47.10	91.59.20	213.477	2.120	2746282.560	274200.200	137.008	779
457	216.11.11	91.48.51	215.446	2.120	2746283.980	274194.780	137.596	779
458	217.05.27	91.21.25	219.698	2.120	2746282.580	274189.460	139.214	779
459	218.23.59	90.34.58	221.551	2.120	2746284.160	274184.310	142.164	779
460	219.29.18	89.42.15	225.956	2.120	2746283.400	274178.230	145.584	779
461	215.11.27	91.51.45	219.685	2.120	2746278.340	274195.380	137.277	779
462	216.21.36	91.42.15	224.299	2.120	2746277.230	274189.000	137.747	779
463	217.36.47	91.8.38	226.037	2.120	2746278.760	274183.990	139.905	779
464	219.30.10	89.43.50	235.178	2.120	2746276.320	274172.320	145.523	779
465	215.05.31	91.52.15	226.353	2.120	2746272.670	274191.860	137.028	779
466	217.52.07	91.4.15	232.895	2.120	2746273.960	274178.980	140.065	779
467	216.33.01	91.37.29	238.789	2.120	2746266.030	274179.770	137.647	779
468	218.07.00	90.49.58	239.629	2.120	2746269.270	274174.020	140.935	779

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

光線法計算表

工程名稱:99年後池淤積測量工作

後視:SA09		N:2746265.509		E:274162.007			後視方位角:219.45.01	
測站:SA10		N:2746457.780		E:274321.918		Z:145.118	儀器高:1.416	
點號	方位角	垂直角	斜距	覘標高	縱座標(N)	橫座標(E)	高程(Z)	備註
469	219.30.55	89.43.30	247.107	2.120	2746267.150	274164.690	145.604	779
470	215.17.28	91.46.41	238.492	2.120	2746263.210	274184.200	137.018	779
471	217.07.28	91.11.32	244.256	2.120	2746263.070	274174.530	139.336	779
472	218.10.17	90.45.48	247.246	2.120	2746263.420	274169.130	141.124	779
473	219.26.38	89.42.21	254.391	2.120	2746261.330	274160.300	145.724	779
474	219.02.11	89.43.42	260.744	2.120	2746255.250	274157.700	145.655	779
475	214.54.43	91.40.37	252.536	2.120	2746250.780	274177.449	137.028	779
476	216.36.50	91.8.14	254.550	2.120	2746253.500	274170.130	139.366	779
477	217.43.39	90.51.47	257.827	2.120	2746253.880	274164.170	140.535	779
478	218.45.12	89.44.2	266.067	2.120	2746250.290	274155.370	145.654	779
479	216.17.00	91.5.56	261.901	2.120	2746246.700	274166.960	139.396	779
480	214.20.32	91.34.40	263.687	2.120	2746240.140	274173.220	137.158	779
481	215.59.41	91.4.26	268.527	2.120	2746240.560	274164.130	139.386	779
482	217.13.57	90.48.45	268.167	2.120	2746244.290	274159.680	140.616	779
483	218.19.48	89.44.38	274.385	2.120	2746242.540	274151.750	145.645	779
484	217.55.01	89.44.16	283.117	2.120	2746234.430	274147.940	145.715	779
485	213.53.39	91.32.38	273.956	2.120	2746230.460	274169.200	137.038	779
486	215.35.12	91.2.4	278.218	2.120	2746231.560	274160.040	139.396	779
487	216.51.44	90.39.16	279.565	2.120	2746234.120	274154.220	141.226	779
488	217.02.24	90.17.54	286.768	2.120	2746228.880	274149.180	142.926	779
489	217.30.45	89.45.27	292.002	2.120	2746226.160	274144.110	145.655	779
490	213.31.38	91.28.0	285.282	2.120	2746220.040	274164.400	137.117	779
491	215.14.25	91.0.37	287.162	2.120	2746223.280	274156.250	139.356	779
492	216.28.43	90.35.37	290.919	2.120	2746223.870	274148.970	141.405	779
493	215.02.57	91.0.37	292.218	2.120	2746218.590	274154.130	139.267	779
494	216.33.52	90.16.24	298.326	2.120	2746218.170	274144.200	142.996	779
495	217.03.04	89.44.2	302.760	2.120	2746216.150	274139.500	145.826	779
496	213.11.47	91.22.44	296.752	2.120	2746209.530	274159.491	137.279	779
497	213.21.54	91.21.32	302.425	2.120	2746205.270	274155.640	137.248	779
498	215.25.14	90.50.10	306.566	2.120	2746207.980	274144.260	139.946	779
499	216.42.18	89.46.34	311.430	2.120	2746208.100	274135.779	145.637	779
500	213.44.30	91.22.0	309.474	2.120	2746200.510	274150.070	137.039	779
501	215.47.59	90.25.59	312.732	2.120	2746204.140	274138.990	142.057	779
502	212.29.59	91.25.19	309.512	2.120	2746196.820	274155.670	136.740	779
503	214.15.31	90.55.29	315.550	2.120	2746197.010	274144.310	139.328	779
504	215.46.35	90.20.31	319.097	2.120	2746198.900	274135.371	142.516	779
505	216.32.54	89.42.39	324.318	2.120	2746197.240	274128.789	146.058	779
506	212.32.34	91.23.39	317.381	2.120	2746190.310	274151.240	136.698	779
507	214.39.24	90.53.35	321.602	2.120	2746193.270	274139.059	139.408	779

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

光線法計算表

工程名稱:99年後池淤積測量工作

後視:SA09		N:2746265.509		E:274162.007			後視方位角:219.45.01	
測站:SA10		N:2746457.780		E:274321.918		Z:145.118	儀器高:1.416	
點號	方位角	垂直角	斜距	覘標高	縱座標(N)	橫座標(E)	高程(Z)	備註
508	216.34.03	89.45.20	331.856	2.120	2746191.250	274124.210	145.837	779
509	214.37.41	90.51.46	329.644	2.120	2746186.560	274134.620	139.457	779
510	215.29.54	90.30.37	330.451	2.120	2746188.760	274130.040	141.478	779
511	216.33.21	89.46.21	339.151	2.120	2746185.350	274119.920	145.768	779
512	212.34.51	91.20.32	328.358	2.120	2746181.170	274145.150	136.729	779
513	213.55.34	91.11.12	336.627	2.120	2746178.520	274134.079	137.450	779
514	215.17.41	90.39.18	342.295	2.120	2746178.420	274124.160	140.509	779
515	216.26.40	89.48.22	347.600	2.120	2746178.160	274115.430	145.598	779
516	212.38.06	91.18.6	340.370	2.120	2746171.220	274138.410	136.689	779
517	214.20.39	90.48.43	345.962	2.120	2746172.160	274126.760	139.519	779
518	215.31.35	90.29.18	348.897	2.120	2746173.840	274119.189	141.448	779
519	216.25.27	89.48.9	353.090	2.120	2746173.670	274112.270	145.639	779
520	214.49.48	90.48.4	354.252	2.120	2746167.020	274119.610	139.469	779
521	216.24.26	89.49.12	358.740	2.120	2746169.060	274109.000	145.549	779
522	216.32.24	89.47.12	364.285	2.120	2746165.100	274105.030	145.779	779
523	212.40.53	91.15.11	353.565	2.120	2746160.260	274131.051	136.690	779
524	213.58.27	91.11.19	353.981	2.120	2746164.290	274124.150	137.079	779
525	215.46.53	90.17.47	362.123	2.120	2746164.010	274110.190	142.549	779
526	216.23.40	89.48.9	370.124	2.120	2746159.850	274102.310	145.699	779
527	214.10.28	90.56.23	361.101	2.120	2746159.070	274119.110	138.500	779
528	214.24.37	90.48.27	367.836	2.120	2746154.340	274114.070	139.239	779
529	216.34.15	89.48.28	377.666	2.120	2746154.470	274096.900	145.690	779
530	212.49.51	91.11.33	366.685	2.120	2746149.730	274123.160	136.791	779
531	215.35.52	90.27.30	374.125	2.120	2746153.580	274104.151	141.430	779
532	214.55.09	90.44.35	378.074	2.120	2746147.800	274105.520	139.520	779
533	215.48.01	90.18.48	381.037	2.120	2746148.740	274099.030	142.340	779
534	216.30.23	89.41.35	385.540	2.120	2746147.890	274092.559	146.489	779
535	212.39.25	91.11.19	375.165	2.120	2746141.990	274119.520	136.641	779
536	214.32.43	90.45.6	383.714	2.120	2746141.750	274104.350	139.390	779
537	216.34.21	89.48.1	391.782	2.120	2746143.140	274088.481	145.790	779
538	212.49.34	91.9.20	383.407	2.120	2746135.660	274114.119	136.691	779
539	213.34.53	91.5.17	384.595	2.120	2746137.431	274109.229	137.121	779
540	214.40.22	90.44.6	390.054	2.120	2746137.020	274100.040	139.420	779
541	215.29.07	90.33.28	391.734	2.120	2746138.820	274094.530	140.611	779
542	216.35.18	89.47.28	399.372	2.120	2746137.110	274083.870	145.880	779
543	213.42.08	91.4.8	392.010	2.120	2746131.710	274104.439	137.111	779
544	215.45.25	90.23.29	398.639	2.120	2746134.290	274088.980	141.701	779
545	216.31.15	89.50.6	408.256	2.120	2746129.690	274078.960	145.601	779
546	213.11.36	91.7.30	397.397	2.120	2746125.290	274104.399	136.622	779

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

光線法計算表

工程名稱:99年後池淤積測量工作

後視:SA09		N:2746265.509		E:274162.007			後視方位角:219.45.01	
測站:SA10		N:2746457.780		E:274321.918		Z:145.118	儀器高:1.416	
點號	方位角	垂直角	斜距	覘標高	縱座標(N)	橫座標(E)	高程(Z)	備註
547	214.45.33	90.42.57	400.552	2.120	2746128.730	274093.571	139.420	779
548	215.54.38	90.21.49	405.634	2.120	2746129.250	274084.010	141.851	779
549	216.32.12	89.48.53	413.380	2.120	2746125.640	274075.820	145.762	779
550	214.47.57	90.42.53	406.688	2.120	2746123.851	274089.839	139.352	779
551	215.30.05	90.39.8	409.754	2.120	2746124.220	274083.981	139.761	779
552	212.43.56	91.11.12	402.757	2.120	2746119.050	274104.189	136.084	779
553	213.06.57	91.5.44	407.516	2.120	2746116.520	274099.320	136.633	779
554	213.52.30	91.3.1	408.171	2.120	2746118.950	274094.449	136.943	779
555	214.51.24	90.41.29	413.028	2.120	2746118.880	274085.880	139.441	779
556	215.39.16	90.31.48	416.694	2.120	2746119.210	274079.040	140.571	779
557	216.32.24	89.47.56	423.442	2.120	2746117.570	274069.809	145.912	779
558	216.50.47	89.48.15	429.019	2.120	2746114.460	274064.649	145.892	779
559	213.56.21	90.59.13	414.076	2.120	2746114.300	274090.769	137.293	779
560	215.48.00	90.26.19	423.801	2.120	2746114.060	274074.020	141.182	779
561	216.52.29	89.45.4	434.019	2.120	2746110.590	274061.481	146.312	779
562	212.53.57	91.4.3	416.613	2.120	2746108.040	274095.669	136.664	779
563	214.58.28	90.38.38	427.408	2.120	2746107.580	274076.939	139.623	779
564	215.56.46	90.23.30	430.757	2.120	2746109.060	274069.060	141.482	779
565	212.59.12	91.1.54	425.070	2.120	2746101.290	274090.530	136.772	779
566	213.54.22	90.51.9	426.336	2.120	2746103.980	274084.120	138.083	779
567	215.02.25	90.39.14	436.706	2.120	2746100.250	274071.199	139.443	779
568	216.05.35	90.13.52	437.483	2.120	2746104.270	274064.201	142.662	779
569	216.54.34	89.42.51	444.310	2.120	2746102.520	274055.091	146.644	779
570	213.36.27	90.49.34	432.272	2.120	2746097.800	274082.681	138.194	779
571	214.17.39	90.47.26	435.080	2.120	2746098.370	274076.800	138.423	779
572	215.42.04	90.33.58	441.656	2.120	2746099.140	274064.200	140.063	779
573	216.14.29	90.10.14	444.646	2.120	2746099.160	274059.051	143.103	779
574	215.07.41	90.38.27	447.312	2.120	2746091.961	274064.549	139.424	779

觀測者:張玉明　　計算者:張玉明　　校核者:何晉銘

後池堰水深測量資料

測量時間:2010/12/07　　單位:M

時間	縱座標(N)	橫座標(E)	潮位	水深值	水底高	時間	縱座標(N)	橫座標(E)	潮位	水深值	水底高
10:19:18	2745915.33	274414.75	135.59	3.84	131.75	10:29:09	2746295.86	274829.75	135.59	1.78	133.81
10:20:06	2745915.55	274406.58	135.59	3.67	131.92	10:29:15	2746303.38	274826.29	135.59	1.90	133.69
10:20:21	2745925.03	274405.78	135.59	4.45	131.14	10:29:21	2746309.67	274820.33	135.59	2.34	133.25
10:20:27	2745930.94	274411.46	135.59	4.44	131.15	10:29:27	2746316.19	274810.44	135.59	2.25	133.34
10:20:33	2745935.96	274419.16	135.59	4.49	131.10	10:29:33	2746325.18	274804.72	135.59	2.23	133.36
10:20:39	2745940.78	274427.48	135.59	4.38	131.21	10:29:38	2746332.29	274797.55	135.59	2.24	133.35
10:20:45	2745946.08	274435.59	135.59	4.35	131.24	10:29:43	2746337.79	274788.84	135.59	2.28	133.31
10:20:51	2745949.45	274444.64	135.59	4.45	131.14	10:31:53	2746349.99	274781.56	135.58	3.05	132.53
10:20:57	2745952.82	274453.61	135.59	4.39	131.20	10:32:14	2746357.73	274779.00	135.58	2.03	133.55
10:21:03	2745956.41	274462.51	135.59	4.49	131.10	10:32:20	2746363.82	274770.13	135.58	2.93	132.65
10:21:09	2745958.55	274471.87	135.59	4.00	131.59	10:32:25	2746369.57	274763.81	135.58	2.79	132.79
10:21:15	2745959.83	274481.47	135.59	3.94	131.65	10:32:29	2746375.33	274758.15	135.58	2.60	132.98
10:21:21	2745963.09	274490.60	135.59	4.24	131.35	10:32:35	2746383.50	274750.26	135.58	2.52	133.06
10:21:27	2745969.80	274498.90	135.59	4.59	131.00	10:32:40	2746390.63	274744.47	135.58	2.72	132.86
10:21:33	2745977.28	274507.98	135.59	4.78	130.81	10:32:45	2746397.71	274737.59	135.58	2.75	132.83
10:21:38	2745982.75	274515.76	135.59	4.80	130.79	10:32:49	2746403.27	274731.76	135.58	2.43	133.15
10:21:44	2745989.01	274524.65	135.59	4.77	130.82	10:32:55	2746412.76	274726.30	135.58	2.27	133.31
10:21:53	2745994.66	274533.06	135.59	4.98	130.61	10:32:59	2746417.86	274719.54	135.58	2.51	133.07
10:21:59	2746000.27	274539.70	135.59	4.94	130.65	10:33:03	2746423.33	274713.16	135.58	2.51	133.07
10:22:05	2746005.71	274549.39	135.59	5.01	130.58	10:33:08	2746431.39	274707.78	135.58	1.99	133.59
10:22:10	2746009.32	274558.77	135.59	4.90	130.69	10:33:14	2746440.15	274700.40	135.58	3.11	132.47
10:22:14	2746012.58	274567.11	135.59	4.96	130.63	10:33:18	2746445.92	274694.83	135.58	3.29	132.29
10:22:18	2746015.85	274575.91	135.59	5.08	130.51	10:33:23	2746452.20	274687.18	135.58	3.11	132.47
10:22:22	2746019.48	274584.77	135.59	4.34	131.25	10:33:27	2746459.20	274682.64	135.57	2.87	132.70
10:22:26	2746023.25	274593.72	135.59	4.33	131.26	10:33:31	2746463.99	274675.43	135.57	2.69	132.88
10:22:30	2746027.31	274602.55	135.59	4.36	131.23	10:33:35	2746470.01	274669.27	135.57	2.85	132.72
10:22:34	2746031.56	274611.35	135.59	4.31	131.28	10:33:39	2746476.02	274663.69	135.57	2.71	132.86
10:22:38	2746036.30	274619.85	135.59	4.94	130.65	10:33:43	2746481.70	274657.59	135.57	2.25	133.32
10:22:42	2746041.82	274627.87	135.59	4.89	130.70	10:33:49	2746491.64	274652.28	135.57	2.32	133.25
10:22:46	2746048.02	274635.43	135.59	4.57	131.02	10:33:54	2746498.89	274645.61	135.57	2.32	133.25
10:22:50	2746054.87	274642.34	135.59	4.53	131.06	10:33:59	2746505.95	274637.82	135.57	2.16	133.41
10:22:54	2746061.97	274649.12	135.59	4.20	131.39	10:34:03	2746511.16	274630.98	135.57	2.39	133.18
10:22:58	2746069.76	274655.04	135.59	4.59	131.00	10:34:07	2746516.48	274624.21	135.57	2.50	133.07
10:23:02	2746076.89	274661.55	135.59	4.62	130.97	10:34:13	2746525.48	274620.47	135.57	2.75	132.82
10:23:06	2746084.07	274668.32	135.59	4.66	130.93	10:34:19	2746534.73	274615.91	135.57	8.38	127.19
10:23:10	2746091.18	274675.24	135.59	4.04	131.55	10:34:24	2746542.14	274610.53	135.57	8.32	127.25
10:23:14	2746098.30	274682.05	135.59	4.10	131.49	10:34:32	2746537.12	274601.60	135.57	6.69	128.88
10:23:18	2746105.69	274688.94	135.59	3.82	131.77	10:34:39	2746541.42	274592.33	135.57	4.03	131.54
10:23:22	2746113.00	274695.82	135.59	3.39	132.20	10:34:47	2746541.24	274582.64	135.57	3.09	132.48
10:23:26	2746119.57	274703.47	135.59	3.43	132.16	10:34:52	2746535.07	274573.93	135.57	3.00	132.57
10:23:30	2746126.06	274711.08	135.59	3.25	132.34	10:34:56	2746528.93	274568.03	135.57	3.90	131.67
10:23:34	2746132.73	274718.48	135.59	3.27	132.32	10:35:02	2746519.44	274565.81	135.57	4.57	131.00
10:23:38	2746139.78	274725.82	135.59	3.25	132.34	10:35:07	2746510.61	274569.97	135.57	5.88	129.69
10:23:41	2746144.96	274732.16	135.59	3.28	132.31	10:35:11	2746504.14	274576.47	135.57	6.83	128.74
10:23:44	2746151.06	274738.05	135.59	3.35	132.24	10:35:17	2746497.80	274581.70	135.57	5.92	129.65
10:23:47	2746156.58	274743.91	135.59	3.32	132.27	10:35:21	2746490.53	274586.73	135.57	5.88	129.69
10:23:51	2746163.27	274751.93	135.59	3.15	132.44	10:35:25	2746483.68	274592.17	135.57	6.02	129.55
10:23:55	2746169.60	274760.02	135.59	2.92	132.67	10:35:29	2746477.32	274598.17	135.57	5.88	129.69
10:23:59	2746175.91	274768.25	135.59	2.60	132.99	10:35:33	2746470.26	274603.93	135.57	5.69	129.88
10:24:03	2746182.25	274776.29	135.59	3.30	132.29	10:35:37	2746463.33	274609.97	135.57	5.14	130.43
10:24:07	2746188.87	274784.28	135.59	3.27	132.32	10:35:41	2746456.05	274615.97	135.57	6.26	129.31
10:24:11	2746195.89	274792.03	135.59	3.29	132.30	10:35:45	2746449.06	274621.85	135.57	6.81	128.76
10:24:15	2746203.01	274799.77	135.59	3.35	132.24	10:35:49	2746443.47	274627.79	135.57	7.15	128.42
10:24:19	2746210.90	274806.50	135.59	3.27	132.32	10:35:53	2746437.03	274633.90	135.57	7.83	127.74
10:24:23	2746218.60	274813.06	135.59	3.17	132.42	10:35:57	2746429.88	274640.29	135.57	8.06	127.51
10:24:27	2746224.63	274821.06	135.59	2.79	132.80	10:36:01	2746423.14	274647.07	135.57	7.89	127.68
10:24:31	2746229.27	274829.64	135.59	2.89	132.70	10:36:05	2746416.23	274653.95	135.57	8.11	127.46
10:24:37	2746233.93	274839.52	135.59	3.07	132.52	10:36:09	2746408.81	274660.39	135.57	8.13	127.44
10:24:43	2746238.05	274847.35	135.59	3.09	132.50	10:36:13	2746401.55	274666.94	135.57	8.09	127.48
10:24:52	2746242.17	274856.45	135.59	2.76	132.83	10:36:17	2746394.21	274673.60	135.57	7.72	127.85
10:25:22	2746234.80	274863.62	135.59	2.21	133.38	10:36:21	2746386.94	274680.34	135.57	7.27	128.30
10:25:28	2746227.56	274870.20	135.59	2.20	133.39	10:36:25	2746379.71	274687.14	135.57	6.60	128.97
10:25:34	2746221.08	274877.85	135.59	2.22	133.37	10:36:29	2746372.98	274694.21	135.56	6.39	129.17
10:25:40	2746214.93	274885.49	135.59	1.73	133.86	10:36:33	2746366.36	274701.26	135.56	5.98	129.58
10:27:28	2746222.72	274882.00	135.59	0.85	134.74	10:36:37	2746359.52	274708.06	135.56	6.56	129.00
10:27:43	2746229.93	274874.90	135.59	2.17	133.42	10:36:41	2746352.23	274714.36	135.56	6.92	128.64
10:27:55	2746238.15	274870.30	135.59	3.01	132.58	10:36:45	2746344.36	274719.84	135.56	6.92	128.64
10:28:04	2746247.12	274875.63	135.59	4.80	130.79	10:36:49	2746337.36	274726.40	135.56	6.61	128.95
10:28:12	2746256.07	274869.38	135.59	2.79	132.80	10:36:53	2746330.92	274733.62	135.56	6.31	129.25
10:28:18	2746264.55	274863.38	135.59	1.10	134.49	10:36:57	2746323.61	274740.09	135.56	5.26	130.30
10:28:28	2746272.31	274857.08	135.59	0.99	134.60	10:37:01	2746315.90	274746.26	135.56	5.01	130.55
10:28:41	2746278.98	274851.27	135.59	0.91	134.68	10:37:05	2746308.23	274752.51	135.56	4.19	131.37
10:28:52	2746283.68	274841.87	135.59	1.09	134.50	10:37:09	2746301.36	274759.45	135.56	4.13	131.43
10:29:03	2746291.72	274837.94	135.59	1.58	134.01	10:37:13	2746294.32	274766.29	135.56	4.22	131.34

觀測者:林儒文　　計算者:林儒文

後池堰水深測量資料

測量時間:2010/12/07　　單位:M

時間	縱座標(N)	橫座標(E)	潮位	水深值	水底高	時間	縱座標(N)	橫座標(E)	潮位	水深值	水底高
10:37:17	2746287.09	274772.73	135.56	4.30	131.26	10:43:29	2746490.43	274524.44	135.54	7.96	127.58
10:37:21	2746279.59	274779.04	135.56	4.33	131.23	10:43:33	2746496.60	274518.97	135.54	7.42	128.12
10:37:25	2746272.52	274785.84	135.56	3.89	131.67	10:43:42	2746505.60	274515.49	135.54	4.48	131.06
10:37:29	2746265.21	274792.42	135.56	3.83	131.73	10:44:05	2746488.55	274497.23	135.54	8.63	126.91
10:37:33	2746258.15	274798.72	135.56	3.81	131.75	10:44:13	2746478.40	274497.30	135.54	8.56	126.98
10:37:37	2746251.83	274804.50	135.56	3.15	132.41	10:44:17	2746471.30	274501.96	135.54	7.54	128.00
10:37:41	2746245.10	274809.85	135.56	3.55	132.01	10:44:21	2746464.20	274508.03	135.54	6.88	128.66
10:37:45	2746238.57	274816.21	135.56	3.48	132.08	10:44:25	2746456.95	274514.15	135.54	6.05	129.49
10:37:49	2746231.74	274822.57	135.56	3.40	132.16	10:44:29	2746449.13	274520.00	135.54	7.32	128.22
10:37:53	2746224.46	274828.86	135.56	2.81	132.75	10:44:33	2746441.45	274526.33	135.54	6.66	128.88
10:37:57	2746217.67	274835.78	135.56	2.78	132.78	10:44:37	2746433.42	274532.05	135.54	6.51	129.03
10:38:01	2746211.37	274842.76	135.56	2.54	133.02	10:44:41	2746424.74	274537.04	135.54	6.11	129.43
10:38:05	2746205.39	274849.81	135.56	2.18	133.38	10:44:45	2746416.28	274542.63	135.54	6.23	129.31
10:38:10	2746198.00	274856.91	135.56	1.82	133.74	10:44:49	2746408.73	274549.32	135.54	5.61	129.93
10:38:16	2746189.47	274864.71	135.56	1.38	134.18	10:44:53	2746401.06	274555.85	135.54	5.09	130.45
10:38:22	2746182.54	274871.60	135.56	1.14	134.42	10:44:57	2746393.46	274562.54	135.54	5.05	130.49
10:38:32	2746175.47	274878.16	135.56	0.83	134.73	10:45:01	2746385.74	274569.51	135.54	4.82	130.72
10:39:04	2746186.23	274865.28	135.56	1.37	134.19	10:45:05	2746377.66	274576.25	135.54	4.44	131.10
10:39:13	2746179.72	274855.53	135.56	1.60	133.96	10:45:09	2746369.61	274583.03	135.54	4.03	131.51
10:39:18	2746172.78	274848.60	135.56	1.69	133.87	10:45:13	2746361.40	274589.77	135.54	3.69	131.85
10:39:24	2746162.54	274848.13	135.56	1.45	134.11	10:45:17	2746353.67	274597.00	135.54	3.51	132.03
10:39:30	2746153.52	274850.82	135.55	1.30	134.25	10:45:21	2746346.20	274604.49	135.54	3.31	132.23
10:39:36	2746143.69	274851.06	135.55	0.98	134.57	10:45:25	2746338.37	274611.29	135.54	3.22	132.32
10:39:45	2746133.83	274850.42	135.55	0.82	134.73	10:45:29	2746330.02	274617.65	135.54	3.15	132.39
10:39:52	2746137.66	274842.89	135.55	1.21	134.34	10:45:32	2746323.47	274622.33	135.54	3.07	132.47
10:39:58	2746145.35	274835.68	135.55	1.48	134.07	10:45:35	2746317.19	274627.40	135.54	3.00	132.54
10:40:03	2746153.35	274829.68	135.55	1.70	133.85	10:45:39	2746309.21	274634.42	135.54	2.94	132.60
10:40:07	2746159.58	274824.17	135.55	1.90	133.65	10:45:43	2746301.41	274641.69	135.54	2.90	132.64
10:40:11	2746166.40	274818.92	135.55	2.03	133.52	10:45:47	2746293.50	274648.55	135.54	2.91	132.63
10:40:15	2746172.84	274813.35	135.55	2.31	133.24	10:45:51	2746285.11	274654.91	135.54	2.93	132.61
10:40:19	2746180.73	274808.74	135.55	2.55	133.00	10:45:54	2746278.98	274660.20	135.54	3.04	132.50
10:40:23	2746187.49	274802.89	135.55	2.89	132.66	10:45:58	2746271.00	274667.24	135.54	3.12	132.42
10:40:27	2746194.27	274796.31	135.55	3.24	132.31	10:46:01	2746264.77	274672.41	135.54	3.20	132.34
10:40:31	2746201.13	274790.02	135.55	3.36	132.19	10:46:04	2746258.67	274677.65	135.54	3.24	132.30
10:40:35	2746207.31	274783.53	135.55	3.60	131.95	10:46:07	2746252.54	274682.91	135.54	3.28	132.26
10:40:39	2746213.69	274776.94	135.55	3.56	131.99	10:46:10	2746246.35	274688.10	135.54	3.31	132.23
10:40:43	2746219.92	274770.14	135.55	3.13	132.42	10:46:13	2746240.61	274693.89	135.54	3.33	132.21
10:40:47	2746227.33	274763.32	135.55	2.72	132.83	10:46:16	2746235.23	274699.98	135.54	3.39	132.15
10:40:51	2746233.67	274755.95	135.55	2.93	132.62	10:46:20	2746227.98	274707.77	135.54	3.41	132.13
10:40:55	2746240.55	274749.21	135.55	3.21	132.34	10:46:24	2746220.04	274714.95	135.54	3.11	132.43
10:40:59	2746247.62	274742.69	135.55	3.64	131.91	10:46:27	2746213.87	274720.09	135.54	3.25	132.29
10:41:03	2746255.04	274735.85	135.55	3.66	131.89	10:46:30	2746207.82	274725.32	135.54	3.19	132.35
10:41:07	2746262.13	274728.88	135.55	3.68	131.87	10:46:34	2746201.95	274731.49	135.54	3.18	132.36
10:41:11	2746269.32	274722.00	135.55	4.30	131.25	10:46:38	2746195.27	274737.19	135.54	2.96	132.58
10:41:15	2746276.59	274715.27	135.55	4.63	130.92	10:46:42	2746186.71	274742.29	135.54	3.12	132.42
10:41:19	2746283.16	274708.50	135.55	4.81	130.74	10:46:46	2746178.58	274748.38	135.54	3.13	132.41
10:41:25	2746290.33	274703.13	135.55	4.55	131.00	10:46:50	2746170.62	274754.86	135.54	2.98	132.56
10:41:31	2746297.29	274697.92	135.55	4.29	131.26	10:46:54	2746162.83	274761.32	135.54	2.77	132.77
10:41:37	2746306.10	274691.78	135.55	4.85	130.70	10:46:58	2746155.21	274768.06	135.54	2.43	133.11
10:41:41	2746312.24	274686.30	135.55	4.47	131.08	10:47:02	2746147.19	274774.20	135.54	2.17	133.37
10:41:45	2746318.58	274679.98	135.55	4.02	131.53	10:47:06	2746139.44	274780.71	135.54	2.04	133.50
10:41:49	2746325.67	274673.35	135.55	4.38	131.17	10:47:10	2746131.68	274787.13	135.54	1.84	133.70
10:41:53	2746332.41	274666.36	135.55	4.35	131.20	10:47:14	2746124.18	274793.71	135.54	1.49	134.05
10:41:57	2746339.19	274659.28	135.55	4.15	131.40	10:47:18	2746117.85	274799.77	135.54	1.45	134.09
10:42:01	2746346.41	274652.41	135.55	4.42	131.13	10:47:24	2746110.69	274805.20	135.54	1.30	134.24
10:42:05	2746353.66	274645.68	135.55	4.40	131.15	10:47:32	2746104.41	274812.02	135.54	0.95	134.59
10:42:09	2746360.64	274638.42	135.55	4.47	131.08	10:48:11	2746097.51	274807.62	135.54	0.93	134.61
10:42:13	2746367.84	274631.40	135.55	5.32	130.23	10:48:19	2746091.31	274799.75	135.54	0.99	134.55
10:42:17	2746375.30	274624.61	135.55	5.69	129.86	10:48:25	2746086.85	274791.97	135.54	1.11	134.43
10:42:21	2746382.69	274617.74	135.55	6.09	129.46	10:48:31	2746080.00	274785.20	135.54	0.91	134.63
10:42:25	2746390.17	274610.74	135.55	6.32	129.23	10:48:37	2746072.46	274779.12	135.54	0.89	134.65
10:42:29	2746397.69	274603.84	135.55	6.19	129.36	10:48:45	2746072.84	274770.27	135.54	1.01	134.53
10:42:33	2746405.34	274597.00	135.55	5.93	129.62	10:48:51	2746081.70	274763.29	135.54	1.44	134.10
10:42:37	2746412.94	274590.12	135.55	5.56	129.99	10:48:55	2746088.25	274758.40	135.53	1.56	133.97
10:42:41	2746420.80	274584.00	135.55	5.04	130.51	10:48:59	2746095.17	274753.13	135.53	1.81	133.72
10:42:46	2746427.17	274578.65	135.55	5.61	129.94	10:49:03	2746102.58	274747.60	135.53	2.14	133.39
10:42:55	2746435.77	274572.90	135.54	6.79	128.75	10:49:07	2746109.66	274741.57	135.53	2.61	132.92
10:43:01	2746444.00	274566.63	135.54	5.95	129.59	10:49:11	2746116.59	274735.44	135.53	2.96	132.57
10:43:05	2746450.55	274560.93	135.54	5.84	129.70	10:49:15	2746123.78	274729.12	135.53	3.00	132.53
10:43:09	2746457.28	274554.80	135.54	5.78	129.76	10:49:19	2746130.57	274722.33	135.53	3.09	132.44
10:43:13	2746463.90	274548.68	135.54	5.18	130.36	10:49:23	2746137.76	274715.46	135.53	3.33	132.20
10:43:17	2746470.44	274542.52	135.54	5.15	130.39	10:49:27	2746144.00	274708.08	135.53	3.29	132.24
10:43:21	2746477.24	274536.53	135.54	5.16	130.38	10:49:31	2746151.16	274701.44	135.53	3.44	132.09
10:43:25	2746483.80	274530.34	135.54	6.40	129.14	10:49:35	2746158.55	274694.84	135.53	3.42	132.11

觀測者:林儒文　　計算者:林儒文

後池堰水深測量資料

測量時間:2010/12/07　　單位:M

時間	縱座標(N)	橫座標(E)	潮位	水深值	水底高	時間	縱座標(N)	橫座標(E)	潮位	水深值	水底高
10:49:39	2746166.54	274688.74	135.53	3.45	132.08	10:54:59	2746242.01	274563.86	135.52	1.97	133.55
10:49:43	2746174.76	274683.16	135.53	3.51	132.02	10:55:04	2746235.30	274570.75	135.52	1.95	133.57
10:49:47	2746182.95	274677.52	135.53	3.39	132.14	10:55:08	2746229.07	274577.38	135.52	1.97	133.55
10:49:51	2746191.03	274671.87	135.53	3.30	132.23	10:55:12	2746222.16	274584.09	135.52	1.92	133.60
10:49:55	2746199.30	274666.26	135.53	3.15	132.38	10:55:16	2746215.16	274590.90	135.52	1.98	133.54
10:49:59	2746207.24	274659.92	135.53	2.89	132.64	10:55:20	2746208.31	274597.95	135.52	1.98	133.54
10:50:03	2746215.11	274653.45	135.53	2.74	132.79	10:55:24	2746200.95	274604.46	135.52	2.07	133.45
10:50:08	2746223.13	274646.46	135.53	2.64	132.89	10:55:28	2746193.48	274610.99	135.52	2.38	133.14
10:50:12	2746229.52	274640.97	135.53	2.42	133.11	10:55:32	2746185.67	274617.25	135.52	2.49	133.03
10:50:16	2746237.99	274635.67	135.53	2.24	133.29	10:55:36	2746177.68	274623.55	135.52	2.86	132.66
10:50:20	2746246.56	274629.85	135.53	2.13	133.40	10:55:40	2746169.54	274629.99	135.52	3.12	132.40
10:50:24	2746254.63	274622.95	135.53	2.14	133.39	10:55:44	2746161.51	274636.64	135.52	3.32	132.20
10:50:28	2746261.57	274615.05	135.53	2.25	133.28	10:55:48	2746153.36	274643.07	135.52	3.47	132.05
10:50:32	2746268.75	274607.25	135.53	2.25	133.28	10:55:52	2746144.79	274649.21	135.52	3.64	131.88
10:50:36	2746276.13	274599.80	135.53	2.35	133.18	10:55:56	2746136.08	274655.09	135.52	3.58	131.94
10:50:40	2746283.62	274592.33	135.53	2.10	133.43	10:56:00	2746127.43	274661.03	135.52	3.42	132.10
10:50:44	2746291.10	274584.89	135.53	1.92	133.61	10:56:04	2746119.12	274667.41	135.52	3.65	131.87
10:50:48	2746298.59	274578.10	135.53	1.97	133.56	10:56:08	2746111.23	274674.52	135.52	3.89	131.63
10:50:52	2746304.94	274572.48	135.53	2.12	133.41	10:56:12	2746103.12	274681.15	135.52	3.99	131.53
10:50:56	2746311.78	274566.66	135.53	2.21	133.32	10:56:16	2746095.74	274687.99	135.52	4.00	131.52
10:51:00	2746319.21	274560.25	135.53	2.31	133.22	10:56:20	2746089.55	274694.77	135.52	3.55	131.97
10:51:04	2746326.42	274553.61	135.53	2.47	133.06	10:56:24	2746082.55	274701.12	135.52	2.73	132.79
10:51:08	2746334.43	274547.86	135.53	2.65	132.88	10:56:28	2746074.83	274706.93	135.52	2.29	133.23
10:51:12	2746342.77	274542.46	135.53	2.92	132.61	10:56:32	2746067.57	274713.39	135.52	2.15	133.37
10:51:16	2746350.78	274536.60	135.53	3.11	132.42	10:56:36	2746060.47	274719.97	135.52	1.74	133.78
10:51:20	2746358.66	274530.45	135.53	3.37	132.16	10:56:40	2746053.66	274726.00	135.52	1.55	133.97
10:51:24	2746366.58	274523.53	135.53	3.64	131.89	10:56:44	2746047.35	274730.97	135.52	1.34	134.18
10:51:28	2746374.28	274516.84	135.53	3.91	131.62	10:56:50	2746040.51	274736.00	135.52	1.11	134.41
10:51:32	2746382.44	274510.36	135.53	4.32	131.21	10:56:58	2746032.28	274736.09	135.52	0.87	134.65
10:51:36	2746390.50	274503.62	135.53	4.83	130.70	10:57:04	2746028.16	274726.94	135.52	0.97	134.55
10:51:40	2746398.50	274497.14	135.53	5.36	130.17	10:57:10	2746023.71	274716.30	135.52	1.09	134.43
10:51:43	2746404.57	274491.92	135.53	5.53	130.00	10:57:16	2746015.59	274707.98	135.52	1.10	134.42
10:51:47	2746412.44	274485.24	135.53	5.05	130.48	10:57:22	2746007.81	274702.42	135.52	0.98	134.54
10:51:51	2746420.73	274479.23	135.53	5.53	130.00	10:57:29	2746013.01	274694.63	135.51	1.18	134.33
10:51:55	2746428.91	274472.86	135.53	5.68	129.85	10:57:33	2746021.03	274689.65	135.51	1.34	134.17
10:51:59	2746437.12	274466.53	135.53	5.23	130.30	10:57:37	2746028.46	274683.79	135.51	1.56	133.95
10:52:03	2746445.15	274460.24	135.53	5.82	129.71	10:57:41	2746035.50	274677.11	135.51	1.90	133.61
10:52:07	2746452.78	274454.06	135.53	6.74	128.79	10:57:45	2746042.42	274670.13	135.51	2.44	133.07
10:52:11	2746459.48	274449.65	135.53	7.37	128.16	10:57:49	2746049.74	274663.34	135.51	3.05	132.46
10:52:17	2746468.68	274443.73	135.53	7.94	127.59	10:57:53	2746057.06	274656.28	135.51	4.26	131.25
10:52:25	2746476.21	274436.21	135.53	2.55	132.98	10:57:57	2746064.56	274649.60	135.51	4.42	131.09
10:52:32	2746473.18	274425.51	135.53	2.55	132.98	10:58:01	2746072.48	274643.55	135.51	4.70	130.81
10:52:38	2746470.42	274415.62	135.53	2.59	132.94	10:58:05	2746080.98	274637.82	135.51	4.23	131.28
10:52:44	2746467.97	274407.35	135.53	2.68	132.85	10:58:09	2746089.53	274632.27	135.51	4.17	131.34
10:52:52	2746463.90	274397.72	135.53	2.62	132.91	10:58:13	2746097.92	274626.47	135.51	3.72	131.79
10:52:58	2746461.38	274389.61	135.53	2.48	133.05	10:58:17	2746106.07	274620.38	135.51	3.70	131.81
10:53:06	2746451.02	274388.54	135.53	6.75	128.78	10:58:21	2746113.03	274613.07	135.51	3.63	131.88
10:53:10	2746444.51	274393.47	135.53	6.48	129.05	10:58:25	2746120.78	274606.27	135.51	3.46	132.05
10:53:14	2746438.47	274400.52	135.53	8.26	127.27	10:58:29	2746127.95	274599.19	135.51	3.26	132.25
10:53:18	2746432.50	274407.94	135.53	8.19	127.34	10:58:33	2746134.67	274591.64	135.51	3.11	132.40
10:53:22	2746425.79	274415.03	135.53	8.29	127.24	10:58:37	2746141.80	274584.36	135.51	2.84	132.67
10:53:26	2746418.24	274421.13	135.53	7.49	128.04	10:58:41	2746149.51	274577.73	135.51	2.64	132.87
10:53:30	2746410.30	274427.05	135.53	6.76	128.77	10:58:45	2746157.67	274571.65	135.51	2.62	132.89
10:53:34	2746402.21	274432.83	135.53	6.10	129.43	10:58:49	2746165.81	274565.64	135.51	2.29	133.22
10:53:38	2746394.30	274438.89	135.53	5.89	129.64	10:58:53	2746174.17	274559.90	135.51	2.31	133.20
10:53:42	2746386.61	274445.42	135.53	5.46	130.07	10:58:57	2746182.31	274554.76	135.51	2.10	133.41
10:53:46	2746378.97	274451.99	135.53	4.75	130.78	10:59:01	2746189.58	274548.76	135.51	1.95	133.56
10:53:50	2746371.47	274458.71	135.53	4.69	130.84	10:59:05	2746196.77	274542.27	135.51	2.11	133.40
10:53:54	2746364.05	274465.62	135.53	4.33	131.20	10:59:09	2746204.45	274536.32	135.51	2.18	133.33
10:53:58	2746356.82	274472.58	135.53	4.01	131.52	10:59:13	2746211.93	274530.10	135.51	2.21	133.30
10:54:02	2746348.56	274478.28	135.53	3.53	132.00	10:59:18	2746219.36	274522.88	135.51	2.36	133.15
10:54:06	2746340.53	274484.71	135.53	3.43	132.10	10:59:24	2746225.02	274516.48	135.51	2.27	133.24
10:54:10	2746332.68	274491.71	135.53	3.09	132.44	10:59:30	2746232.09	274509.24	135.51	2.36	133.15
10:54:14	2746324.80	274498.52	135.53	2.96	132.57	10:59:36	2746242.12	274503.42	135.51	2.47	133.04
10:54:18	2746316.62	274504.97	135.53	2.70	132.83	10:59:42	2746251.43	274496.99	135.51	2.51	133.00
10:54:22	2746308.14	274511.13	135.53	2.49	133.04	10:59:48	2746260.27	274490.12	135.51	2.63	132.88
10:54:25	2746301.61	274515.85	135.53	2.59	132.94	10:59:54	2746268.50	274482.44	135.51	2.68	132.83
10:54:29	2746293.94	274523.20	135.52	2.42	133.10	10:59:59	2746276.32	274476.61	135.51	2.73	132.78
10:54:32	2746288.11	274528.77	135.52	2.24	133.28	11:00:05	2746283.24	274471.72	135.51	2.67	132.84
10:54:35	2746282.11	274534.16	135.52	2.22	133.30	11:00:11	2746290.36	274464.54	135.51	2.61	132.90
10:54:41	2746273.28	274541.92	135.52	2.01	133.51	11:00:17	2746298.09	274457.64	135.51	2.74	132.77
10:54:45	2746264.62	274547.09	135.52	1.98	133.54	11:00:23	2746305.97	274451.58	135.51	2.99	132.52
10:54:48	2746257.43	274550.73	135.52	1.96	133.56	11:00:28	2746312.77	274445.01	135.50	3.25	132.25
10:54:53	2746249.57	274557.54	135.52	2.01	133.51	11:00:32	2746318.61	274438.77	135.50	3.16	132.34

觀測者:林儒文　　計算者:林儒文

後池堰水深測量資料

測量時間:2010/12/07　　單位:M

時間	縱座標(N)	橫座標(E)	潮位	水深值	水底高	時間	縱座標(N)	橫座標(E)	潮位	水深值	水底高
11:00:36	2746325.65	274432.80	135.50	3.11	132.39	11:05:54	2745999.41	274636.60	135.49	1.38	134.11
11:00:40	2746332.51	274426.26	135.50	3.33	132.17	11:06:04	2745992.71	274642.81	135.49	1.60	133.89
11:00:44	2746339.91	274420.15	135.50	3.44	132.06	11:06:22	2745991.94	274651.76	135.49	1.64	133.85
11:00:48	2746347.02	274413.62	135.50	3.70	131.80	11:06:48	2745987.01	274660.06	135.49	1.35	134.14
11:00:54	2746353.37	274406.60	135.50	4.61	130.89	11:06:56	2745978.72	274664.69	135.49	1.02	134.47
11:00:58	2746360.80	274400.85	135.50	5.01	130.49	11:07:04	2745970.53	274669.24	135.49	0.90	134.59
11:01:02	2746368.76	274395.08	135.50	5.26	130.24	11:07:16	2745973.52	274678.09	135.49	0.91	134.58
11:01:06	2746376.64	274389.00	135.50	5.73	129.77	11:07:22	2745981.58	274681.83	135.49	0.99	134.50
11:01:10	2746383.93	274382.18	135.50	6.01	129.49	11:07:28	2745990.35	274685.66	135.49	1.02	134.47
11:01:14	2746391.69	274375.89	135.50	6.17	129.33	11:07:34	2745998.96	274689.76	135.49	1.13	134.36
11:01:18	2746399.41	274369.72	135.50	6.51	128.99	11:07:40	2746007.70	274693.79	135.49	1.19	134.30
11:01:22	2746407.14	274363.47	135.50	6.88	128.62	11:07:46	2746016.05	274698.43	135.49	1.23	134.26
11:01:26	2746414.19	274356.42	135.50	6.84	128.66	11:07:52	2746024.41	274703.66	135.49	1.34	134.15
11:01:30	2746420.82	274351.12	135.50	6.25	129.25	11:07:58	2746032.88	274708.94	135.49	1.57	133.92
11:01:36	2746430.38	274346.46	135.50	4.53	130.97	11:08:04	2746041.54	274714.43	135.49	1.66	133.83
11:01:44	2746431.40	274337.79	135.50	2.65	132.85	11:08:10	2746050.81	274720.58	135.49	1.74	133.75
11:01:50	2746424.15	274332.01	135.50	2.58	132.92	11:08:16	2746060.32	274726.80	135.49	1.68	133.81
11:01:56	2746416.77	274325.32	135.50	1.83	133.67	11:08:21	2746068.37	274732.63	135.49	1.76	133.73
11:02:02	2746409.01	274318.11	135.50	1.85	133.65	11:08:25	2746074.86	274738.02	135.49	1.70	133.79
11:02:08	2746401.58	274312.69	135.50	1.85	133.65	11:08:29	2746081.94	274743.45	135.49	1.74	133.75
11:02:14	2746392.60	274307.92	135.50	3.16	132.34	11:08:33	2746089.46	274749.00	135.49	1.84	133.65
11:02:20	2746387.14	274314.66	135.50	7.12	128.38	11:08:37	2746097.17	274754.37	135.49	1.74	133.75
11:02:24	2746382.24	274321.43	135.50	6.16	129.34	11:08:41	2746105.08	274760.07	135.49	1.76	133.73
11:02:28	2746376.46	274328.10	135.50	6.36	129.14	11:08:45	2746112.51	274766.69	135.49	1.77	133.72
11:02:32	2746369.29	274333.72	135.50	6.00	129.50	11:08:49	2746119.65	274773.65	135.49	1.73	133.76
11:02:36	2746361.54	274339.32	135.50	5.61	129.89	11:08:53	2746126.80	274780.60	135.49	1.81	133.68
11:02:40	2746353.60	274344.96	135.50	5.49	130.01	11:08:57	2746133.77	274787.79	135.49	1.87	133.62
11:02:44	2746345.60	274350.39	135.50	4.91	130.59	11:09:01	2746140.39	274795.24	135.49	2.02	133.47
11:02:48	2746338.11	274356.25	135.50	4.59	130.91	11:09:05	2746147.70	274801.99	135.49	1.92	133.57
11:02:52	2746330.76	274362.53	135.50	4.47	131.03	11:09:09	2746155.21	274808.24	135.49	1.96	133.53
11:02:56	2746323.61	274368.89	135.50	4.11	131.39	11:09:13	2746162.85	274814.23	135.49	2.00	133.49
11:03:02	2746317.76	274376.06	135.50	3.60	131.90	11:09:17	2746170.51	274820.14	135.49	1.96	133.53
11:03:06	2746310.47	274381.92	135.50	3.17	132.33	11:09:21	2746178.67	274825.57	135.49	1.94	133.55
11:03:10	2746304.06	274387.15	135.50	2.95	132.55	11:09:25	2746187.34	274830.41	135.49	2.03	133.46
11:03:16	2746295.13	274394.46	135.50	2.89	132.61	11:09:29	2746196.15	274834.83	135.49	2.20	133.29
11:03:22	2746286.18	274401.69	135.50	3.14	132.36	11:09:33	2746204.99	274839.50	135.49	2.40	133.09
11:03:26	2746279.90	274407.08	135.50	3.55	131.95	11:09:37	2746213.20	274845.30	135.49	2.40	133.09
11:03:30	2746273.62	274413.13	135.49	3.21	132.28	11:09:41	2746221.04	274851.65	135.49	2.42	133.07
11:03:34	2746266.54	274419.21	135.49	3.23	132.26	11:09:45	2746229.05	274857.81	135.49	1.98	133.51
11:03:38	2746258.91	274425.22	135.49	3.27	132.22	11:09:50	2746237.87	274864.74	135.49	3.07	132.42
11:03:42	2746251.15	274431.10	135.49	3.29	132.20	11:09:58	2746245.24	274870.99	135.49	4.60	130.89
11:03:46	2746243.30	274436.96	135.49	3.27	132.22	11:13:43	2746235.92	274869.74	135.49	3.18	132.31
11:03:50	2746235.84	274443.19	135.49	3.22	132.27	11:15:09	2746231.30	274861.02	135.49	2.18	133.31
11:03:54	2746228.74	274449.88	135.49	3.07	132.42	11:15:14	2746226.39	274852.79	135.49	2.59	132.90
11:03:58	2746221.71	274456.67	135.49	2.76	132.73	11:15:18	2746222.01	274845.99	135.49	2.77	132.72
11:04:02	2746214.58	274463.23	135.49	2.92	132.57	11:15:22	2746217.12	274839.00	135.49	2.76	132.73
11:04:06	2746207.07	274469.57	135.49	2.80	132.69	11:15:26	2746212.09	274832.56	135.49	2.65	132.84
11:04:10	2746199.05	274475.34	135.49	2.84	132.65	11:15:32	2746206.36	274825.50	135.49	2.64	132.85
11:04:14	2746191.15	274481.20	135.49	2.63	132.86	11:15:40	2746201.39	274818.43	135.49	2.51	132.98
11:04:18	2746183.33	274486.99	135.49	2.68	132.81	11:15:47	2746196.80	274811.42	135.49	2.45	133.04
11:04:22	2746175.34	274492.50	135.49	2.65	132.84	11:15:51	2746192.78	274803.99	135.49	2.46	133.03
11:04:26	2746167.69	274498.46	135.49	2.56	132.93	11:15:55	2746188.81	274795.94	135.49	3.10	132.39
11:04:30	2746160.32	274504.74	135.49	2.48	133.01	11:15:59	2746184.50	274788.02	135.49	3.15	132.34
11:04:34	2746153.00	274511.21	135.49	2.54	132.95	11:16:03	2746180.71	274779.87	135.49	3.16	132.33
11:04:38	2746145.82	274517.89	135.49	2.30	133.19	11:16:07	2746177.27	274771.50	135.49	2.80	132.69
11:04:42	2746138.44	274524.48	135.49	2.34	133.15	11:16:11	2746173.68	274763.25	135.49	2.61	132.88
11:04:46	2746130.97	274531.05	135.49	2.75	132.74	11:16:15	2746170.13	274754.94	135.49	2.98	132.51
11:04:50	2746122.91	274537.02	135.49	3.08	132.41	11:16:19	2746166.79	274746.48	135.49	3.11	132.38
11:04:54	2746114.86	274543.27	135.49	3.19	132.30	11:16:23	2746163.04	274738.25	135.49	3.10	132.39
11:04:58	2746107.11	274550.05	135.49	3.24	132.25	11:16:27	2746159.17	274729.75	135.49	3.17	132.32
11:05:02	2746099.29	274556.86	135.49	3.40	132.09	11:16:31	2746154.14	274721.76	135.49	3.09	132.40
11:05:06	2746091.30	274563.52	135.49	3.50	131.99	11:16:35	2746149.70	274713.33	135.49	3.26	132.23
11:05:10	2746083.28	274570.18	135.49	3.52	131.97	11:16:39	2746145.79	274704.49	135.49	3.35	132.14
11:05:14	2746075.21	274576.87	135.49	4.22	131.27	11:16:43	2746142.53	274695.82	135.49	3.52	131.97
11:05:18	2746067.13	274583.66	135.49	4.43	131.06	11:16:49	2746139.38	274684.85	135.49	3.47	132.02
11:05:21	2746061.26	274589.17	135.49	4.47	131.02	11:16:54	2746136.27	274675.49	135.49	3.46	132.03
11:05:24	2746055.90	274595.19	135.49	4.35	131.14	11:16:58	2746133.33	274667.55	135.49	3.44	132.05
11:05:27	2746050.47	274601.12	135.49	4.92	130.57	11:17:02	2746129.67	274659.50	135.49	3.52	131.97
11:05:30	2746044.29	274606.22	135.49	4.53	130.96	11:17:06	2746125.77	274651.42	135.49	3.56	131.93
11:05:33	2746037.84	274611.04	135.49	4.20	131.29	11:17:10	2746121.77	274643.11	135.49	3.61	131.88
11:05:36	2746031.23	274615.56	135.49	4.82	130.67	11:17:14	2746117.39	274634.60	135.49	3.60	131.89
11:05:40	2746022.28	274621.19	135.49	3.90	131.59	11:17:18	2746112.05	274626.57	135.49	3.67	131.82
11:05:44	2746013.79	274626.58	135.49	2.74	132.75	11:17:22	2746105.92	274619.10	135.49	3.67	131.82
11:05:48	2746007.00	274631.03	135.49	2.47	133.02	11:17:26	2746099.28	274611.90	135.49	3.63	131.86

觀測者:林儒文　　計算者:林儒文

後池堰水深測量資料

測量時間:2010/12/07　　單位:M

時間	縱座標(N)	橫座標(E)	潮位	水深值	水底高	時間	縱座標(N)	橫座標(E)	潮位	水深值	水底高
11:17:30	2746091.71	274605.78	135.49	3.54	131.95	11:22:57	2746344.98	274265.08	135.49	3.08	132.41
11:17:34	2746084.07	274599.79	135.49	3.71	131.78	11:23:01	2746337.67	274260.04	135.49	3.17	132.32
11:17:38	2746075.83	274594.69	135.49	3.98	131.51	11:23:05	2746330.59	274254.70	135.49	2.61	132.88
11:17:42	2746067.27	274590.08	135.49	4.49	131.00	11:23:11	2746322.70	274247.40	135.49	2.59	132.90
11:17:46	2746058.26	274586.35	135.49	4.61	130.88	11:23:17	2746313.57	274243.68	135.49	3.18	132.31
11:17:50	2746048.64	274584.47	135.49	4.41	131.08	11:23:22	2746306.48	274249.78	135.49	4.22	131.27
11:17:54	2746038.94	274583.05	135.49	4.60	130.89	11:23:26	2746298.98	274255.58	135.49	4.25	131.24
11:17:58	2746029.31	274581.30	135.49	4.39	131.10	11:23:30	2746292.57	274262.56	135.49	4.45	131.04
11:18:02	2746019.91	274578.22	135.49	4.94	130.55	11:23:34	2746285.65	274268.99	135.49	5.01	130.48
11:18:06	2746010.45	274575.30	135.49	4.83	130.66	11:23:38	2746278.39	274275.29	135.49	5.14	130.35
11:18:10	2746000.55	274574.65	135.49	3.80	131.69	11:23:42	2746271.36	274282.22	135.49	5.18	130.31
11:18:14	2745990.69	274575.48	135.49	2.75	132.74	11:23:46	2746264.33	274288.96	135.49	4.78	130.71
11:18:18	2745981.94	274579.54	135.49	2.53	132.96	11:23:50	2746257.31	274295.80	135.49	4.15	131.34
11:18:22	2745974.47	274585.13	135.49	2.42	133.07	11:23:54	2746250.26	274302.63	135.49	3.90	131.59
11:18:26	2745967.64	274591.07	135.49	2.09	133.40	11:23:58	2746243.50	274309.60	135.49	3.74	131.75
11:18:30	2745961.46	274596.43	135.49	1.76	133.73	11:24:02	2746236.50	274316.14	135.49	3.25	132.24
11:18:36	2745953.88	274602.76	135.49	1.77	133.72	11:24:06	2746229.36	274322.56	135.49	3.00	132.49
11:18:42	2745946.94	274608.42	135.49	1.63	133.86	11:24:10	2746222.01	274328.40	135.49	3.00	132.49
11:18:50	2745939.94	274615.12	135.49	0.96	134.53	11:24:14	2746214.31	274333.97	135.49	2.85	132.64
11:19:02	2745948.45	274615.22	135.49	1.20	134.29	11:24:18	2746206.23	274339.04	135.49	3.38	132.11
11:19:08	2745955.66	274610.05	135.49	1.62	133.87	11:24:22	2746198.18	274344.34	135.49	3.78	131.71
11:19:14	2745964.05	274604.16	135.49	1.60	133.89	11:24:27	2746190.42	274349.95	135.49	3.62	131.87
11:19:20	2745972.06	274596.54	135.49	2.20	133.29	11:24:33	2746181.48	274356.79	135.49	3.39	132.10
11:19:26	2745980.87	274589.13	135.49	2.41	133.08	11:24:37	2746175.21	274362.13	135.49	3.21	132.28
11:19:32	2745991.05	274582.86	135.49	2.88	132.61	11:24:41	2746168.62	274367.76	135.49	3.27	132.22
11:19:36	2745998.10	274579.03	135.49	3.63	131.86	11:24:48	2746163.57	274377.01	135.49	3.16	132.33
11:19:40	2746004.43	274573.86	135.49	4.02	131.47	11:24:52	2746156.28	274382.95	135.49	3.08	132.41
11:19:44	2746011.23	274568.12	135.49	4.94	130.55	11:24:55	2746148.68	274386.49	135.48	2.98	132.50
11:19:48	2746018.42	274562.20	135.49	4.94	130.55	11:24:59	2746140.54	274390.14	135.48	2.91	132.57
11:19:52	2746025.96	274556.98	135.49	5.15	130.34	11:25:03	2746133.00	274394.33	135.48	2.76	132.72
11:19:58	2746031.96	274550.73	135.49	5.06	130.43	11:25:07	2746125.58	274399.05	135.48	2.81	132.67
11:20:04	2746038.69	274543.66	135.49	5.08	130.41	11:25:11	2746118.85	274404.56	135.48	2.80	132.68
11:20:08	2746044.97	274538.35	135.49	4.78	130.71	11:25:15	2746112.30	274410.81	135.48	2.72	132.76
11:20:12	2746052.67	274533.30	135.49	3.94	131.55	11:25:19	2746105.13	274417.00	135.48	2.75	132.73
11:20:16	2746060.12	274527.33	135.49	3.65	131.84	11:25:23	2746098.35	274423.72	135.48	2.40	133.08
11:20:20	2746067.40	274520.73	135.49	3.41	132.08	11:25:27	2746092.01	274430.58	135.48	2.79	132.69
11:20:24	2746074.63	274514.26	135.49	3.19	132.30	11:25:31	2746085.67	274437.32	135.48	2.74	132.74
11:20:28	2746082.27	274508.00	135.49	2.98	132.51	11:25:35	2746078.44	274443.51	135.48	2.81	132.67
11:20:32	2746089.96	274501.59	135.49	2.87	132.62	11:25:39	2746071.94	274450.43	135.48	2.63	132.85
11:20:36	2746097.66	274495.00	135.49	2.82	132.67	11:25:43	2746065.04	274457.18	135.48	2.64	132.84
11:20:40	2746105.15	274488.40	135.49	2.56	132.93	11:25:47	2746057.77	274463.51	135.48	2.81	132.67
11:20:44	2746112.64	274481.70	135.49	2.52	132.97	11:25:51	2746051.04	274470.50	135.48	3.28	132.20
11:20:48	2746120.04	274474.70	135.49	2.61	132.88	11:25:55	2746043.78	274477.04	135.48	3.54	131.94
11:20:52	2746127.15	274467.72	135.49	2.34	133.15	11:25:59	2746035.81	274482.80	135.48	3.99	131.49
11:20:56	2746134.86	274461.44	135.49	2.59	132.90	11:26:03	2746027.90	274488.93	135.48	4.65	130.83
11:21:00	2746143.26	274455.93	135.49	2.46	133.03	11:26:07	2746020.28	274495.54	135.48	5.05	130.43
11:21:04	2746151.52	274450.07	135.49	2.48	133.01	11:26:11	2746012.79	274502.03	135.48	5.23	130.25
11:21:08	2746158.76	274443.15	135.49	2.56	132.93	11:26:15	2746005.29	274508.80	135.48	5.10	130.38
11:21:12	2746166.41	274436.66	135.49	2.64	132.85	11:26:19	2745997.56	274515.36	135.48	5.03	130.45
11:21:16	2746174.09	274430.13	135.49	2.69	132.80	11:26:23	2745989.55	274521.62	135.48	4.64	130.84
11:21:20	2746181.55	274423.21	135.49	2.93	132.56	11:26:27	2745981.60	274527.94	135.48	3.85	131.63
11:21:24	2746189.12	274416.45	135.49	2.92	132.57	11:26:31	2745973.86	274534.52	135.48	3.16	132.32
11:21:28	2746196.97	274410.03	135.49	2.87	132.62	11:26:35	2745966.09	274540.97	135.48	2.56	132.92
11:21:32	2746204.69	274403.37	135.49	2.98	132.51	11:26:39	2745958.03	274547.07	135.48	2.45	133.03
11:21:36	2746212.22	274396.47	135.49	3.10	132.39	11:26:43	2745950.04	274553.35	135.48	2.18	133.30
11:21:40	2746219.29	274389.40	135.49	3.25	132.24	11:26:47	2745942.54	274559.59	135.48	2.04	133.44
11:21:44	2746226.51	274382.59	135.49	3.30	132.19	11:26:51	2745936.48	274565.34	135.48	1.92	133.56
11:21:48	2746234.68	274376.83	135.49	3.65	131.84	11:26:57	2745928.90	274572.09	135.48	1.74	133.74
11:21:52	2746242.52	274370.62	135.49	3.64	131.85	11:27:08	2745919.28	274572.02	135.48	1.24	134.24
11:21:56	2746250.26	274364.10	135.49	3.09	132.40	11:27:14	2745913.95	274564.74	135.48	1.09	134.39
11:22:00	2746258.01	274357.71	135.49	2.77	132.72	11:27:22	2745911.19	274556.48	135.48	1.10	134.38
11:22:04	2746266.39	274352.09	135.49	2.85	132.64	11:27:30	2745909.68	274547.52	135.48	1.21	134.27
11:22:08	2746274.00	274345.39	135.49	3.30	132.19	11:27:38	2745908.74	274539.08	135.48	1.45	134.03
11:22:12	2746280.46	274337.55	135.49	3.98	131.51	11:27:44	2745916.92	274532.35	135.48	1.89	133.59
11:22:16	2746287.10	274329.94	135.49	4.82	130.67	11:27:53	2745924.68	274523.29	135.48	2.69	132.79
11:22:20	2746295.18	274323.63	135.49	5.25	130.24	11:27:56	2745932.37	274519.01	135.48	2.71	132.77
11:22:24	2746303.44	274317.48	135.49	5.19	130.30	11:28:00	2745939.95	274513.55	135.48	2.27	133.21
11:22:28	2746311.67	274311.36	135.49	4.86	130.63	11:28:04	2745947.55	274508.09	135.48	2.56	132.92
11:22:32	2746319.92	274305.17	135.49	5.06	130.43	11:28:08	2745953.85	274500.74	135.48	3.43	132.05
11:22:36	2746328.53	274299.59	135.49	4.88	130.61	11:28:12	2745960.62	274493.41	135.48	3.75	131.73
11:22:40	2746336.54	274293.34	135.49	5.20	130.29	11:28:16	2745968.23	274486.87	135.48	4.71	130.77
11:22:44	2746342.94	274285.94	135.49	6.74	128.75	11:28:20	2745975.89	274480.50	135.48	4.81	130.67
11:22:48	2746349.25	274279.24	135.49	7.03	128.46	11:28:24	2745983.47	274473.81	135.48	4.89	130.59
11:22:53	2746350.88	274270.49	135.49	3.07	132.42	11:28:28	2745990.24	274466.26	135.48	4.74	130.74

觀測者:林儒文　　計算者:林儒文

後池堰水深測量資料

測量時間:2010/12/07　　單位:M

時間	縱座標(N)	橫座標(E)	潮位	水深值	水底高	時間	縱座標(N)	橫座標(E)	潮位	水深值	水底高
11:28:32	2745997.01	274458.91	135.48	5.12	130.36	11:33:20	2746030.45	274381.09	135.48	2.65	132.83
11:28:36	2746003.94	274451.33	135.48	4.73	130.75	11:33:24	2746023.20	274388.30	135.48	2.79	132.69
11:28:40	2746011.60	274444.52	135.48	4.47	131.01	11:33:28	2746015.39	274395.05	135.48	3.63	131.85
11:28:44	2746019.53	274437.72	135.48	4.03	131.45	11:33:32	2746007.10	274401.52	135.48	4.27	131.21
11:28:48	2746027.39	274431.01	135.48	3.34	132.14	11:33:36	2745998.80	274408.16	135.48	4.50	130.98
11:28:52	2746035.41	274424.33	135.48	2.86	132.62	11:33:39	2745992.19	274412.71	135.48	4.71	130.77
11:28:56	2746043.35	274417.67	135.48	2.53	132.95	11:33:43	2745983.75	274418.50	135.48	4.71	130.77
11:29:00	2746051.39	274411.17	135.48	2.52	132.96	11:33:47	2745975.22	274424.87	135.48	4.58	130.90
11:29:04	2746059.53	274404.76	135.48	2.60	132.88	11:33:51	2745967.95	274432.37	135.48	4.49	130.99
11:29:08	2746067.50	274399.10	135.48	2.74	132.74	11:33:55	2745960.83	274440.03	135.48	4.51	130.97
11:29:12	2746076.19	274392.80	135.48	2.73	132.75	11:33:59	2745952.83	274447.00	135.48	4.32	131.16
11:29:15	2746081.97	274387.12	135.48	2.77	132.71	11:34:03	2745944.22	274453.43	135.48	3.99	131.49
11:29:18	2746087.57	274381.34	135.48	2.75	132.73	11:34:07	2745936.08	274460.25	135.48	3.49	131.99
11:29:21	2746093.32	274375.51	135.48	2.81	132.67	11:34:11	2745928.23	274467.10	135.48	3.58	131.90
11:29:24	2746099.24	274369.93	135.48	2.93	132.55	11:34:15	2745921.59	274473.84	135.48	3.35	132.13
11:29:27	2746105.53	274364.67	135.48	2.90	132.58	11:34:21	2745912.68	274480.58	135.48	2.83	132.65
11:29:30	2746111.85	274359.53	135.48	3.03	132.45	11:34:27	2745904.52	274482.51	135.48	2.11	133.37
11:29:34	2746119.20	274351.97	135.48	3.19	132.29	11:34:35	2745899.95	274472.70	135.48	1.70	133.78
11:29:37	2746124.61	274345.91	135.48	3.38	132.10	11:34:41	2745898.79	274462.02	135.48	2.12	133.36
11:29:41	2746131.76	274338.10	135.48	3.71	131.77	11:34:47	2745894.75	274453.27	135.48	1.96	133.52
11:29:44	2746137.77	274332.55	135.48	3.95	131.53	11:34:54	2745899.55	274446.04	135.48	3.55	131.93
11:29:48	2746146.25	274326.52	135.48	3.94	131.54	11:34:58	2745906.05	274440.54	135.48	3.92	131.56
11:29:52	2746155.12	274320.79	135.48	3.97	131.51	11:35:02	2745913.05	274434.65	135.48	3.74	131.74
11:29:56	2746163.94	274314.79	135.48	3.96	131.52	11:35:06	2745920.18	274428.77	135.48	3.62	131.86
11:30:00	2746171.64	274307.83	135.48	2.85	132.63	11:35:10	2745927.36	274422.78	135.48	4.03	131.45
11:30:03	2746177.33	274302.14	135.48	3.02	132.46	11:35:14	2745933.93	274416.00	135.48	4.22	131.26
11:30:06	2746182.82	274296.32	135.48	3.24	132.24	11:35:18	2745939.98	274409.13	135.48	4.72	130.76
11:30:10	2746190.04	274288.46	135.48	3.11	132.37	11:35:22	2745946.65	274402.52	135.48	4.55	130.93
11:30:13	2746195.61	274282.70	135.48	3.02	132.46	11:35:26	2745953.98	274396.62	135.48	4.56	130.92
11:30:17	2746202.16	274275.32	135.48	3.27	132.21	11:35:30	2745961.47	274390.72	135.48	4.52	130.96
11:30:20	2746208.76	274269.82	135.48	3.43	132.05	11:35:34	2745968.39	274384.61	135.48	4.65	130.83
11:30:23	2746215.25	274264.82	135.48	3.95	131.53	11:35:40	2745976.37	274376.79	135.48	4.54	130.94
11:30:27	2746223.40	274258.02	135.48	4.37	131.11	11:35:46	2745983.75	274369.80	135.48	4.41	131.07
11:30:30	2746229.40	274252.56	135.48	4.57	130.91	11:35:50	2745987.91	274362.83	135.48	4.13	131.35
11:30:33	2746235.47	274247.25	135.48	4.48	131.00	11:35:54	2745993.05	274355.94	135.48	4.00	131.48
11:30:37	2746243.88	274240.63	135.48	4.97	130.51	11:35:58	2745999.58	274349.72	135.48	3.54	131.94
11:30:41	2746252.61	274234.68	135.48	5.44	130.04	11:36:02	2746005.94	274343.08	135.48	3.30	132.18
11:30:45	2746261.13	274228.54	135.48	4.17	131.31	11:36:06	2746011.96	274335.93	135.48	3.84	131.64
11:30:49	2746268.76	274221.93	135.48	3.60	131.88	11:36:10	2746018.30	274329.18	135.48	4.02	131.46
11:30:53	2746275.78	274216.20	135.48	4.95	130.53	11:36:14	2746025.04	274322.87	135.48	4.27	131.21
11:30:59	2746272.96	274206.97	135.48	4.22	131.26	11:36:18	2746032.14	274317.09	135.48	4.26	131.22
11:31:03	2746265.64	274201.47	135.48	3.83	131.65	11:36:22	2746039.64	274311.65	135.48	4.27	131.21
11:31:07	2746258.72	274195.17	135.48	3.51	131.97	11:36:26	2746046.70	274305.54	135.48	4.41	131.07
11:31:11	2746251.29	274189.36	135.48	2.84	132.64	11:36:30	2746053.47	274298.89	135.48	4.42	131.06
11:31:15	2746243.89	274185.33	135.48	2.97	132.51	11:36:34	2746060.26	274292.09	135.48	4.39	131.09
11:31:20	2746234.50	274180.63	135.48	2.84	132.64	11:36:38	2746067.00	274285.07	135.48	5.02	130.46
11:31:25	2746230.68	274188.17	135.48	7.07	128.41	11:36:42	2746073.58	274278.01	135.48	5.00	130.48
11:31:29	2746227.01	274196.32	135.48	5.90	129.58	11:36:46	2746080.52	274271.56	135.48	5.02	130.46
11:31:33	2746219.69	274201.98	135.48	4.27	131.21	11:36:50	2746087.13	274264.80	135.48	4.82	130.66
11:31:37	2746211.50	274207.70	135.48	4.32	131.16	11:36:54	2746093.17	274257.49	135.48	4.93	130.55
11:31:41	2746203.83	274213.59	135.48	4.95	130.53	11:36:58	2746099.43	274250.55	135.48	4.23	131.25
11:31:45	2746195.59	274219.33	135.48	5.08	130.40	11:37:02	2746106.88	274244.56	135.48	2.28	133.20
11:31:49	2746187.47	274225.27	135.48	4.04	131.44	11:37:07	2746113.49	274237.87	135.48	1.45	134.03
11:31:53	2746179.17	274231.70	135.48	3.42	132.06	11:37:14	2746119.75	274232.24	135.48	1.24	134.24
11:31:57	2746171.59	274238.75	135.48	2.25	133.23	11:37:23	2746124.00	274225.19	135.48	1.12	134.36
11:32:01	2746163.75	274245.16	135.48	1.29	134.19	11:37:35	2746126.05	274215.87	135.48	1.03	134.45
11:32:06	2746156.16	274250.46	135.48	1.66	133.82	11:37:47	2746128.31	274206.71	135.48	1.12	134.36
11:32:12	2746147.47	274256.90	135.48	2.30	133.18	11:37:57	2746135.44	274200.69	135.48	1.43	134.05
11:32:16	2746141.66	274263.12	135.48	3.04	132.44	11:38:03	2746142.80	274197.42	135.48	2.78	132.70
11:32:20	2746135.30	274269.71	135.48	3.56	131.92	11:38:09	2746152.30	274193.98	135.48	4.90	130.58
11:32:24	2746128.65	274276.53	135.48	4.32	131.16	11:38:15	2746161.81	274189.95	135.48	5.66	129.82
11:32:28	2746121.97	274283.72	135.48	4.84	130.64	11:38:23	2746168.37	274182.50	135.48	5.26	130.22
11:32:32	2746115.08	274291.22	135.48	5.03	130.45	11:38:29	2746171.97	274174.64	135.48	6.30	129.18
11:32:36	2746107.82	274298.43	135.48	4.93	130.55	11:38:35	2746179.11	274166.89	135.48	9.78	125.70
11:32:40	2746100.86	274306.01	135.48	4.75	130.73	11:38:41	2746187.96	274160.03	135.48	8.80	126.68
11:32:44	2746094.35	274313.96	135.48	4.46	131.02	11:38:47	2746183.72	274151.94	135.48	2.40	133.08
11:32:48	2746086.99	274321.48	135.48	4.19	131.29	11:38:51	2746176.41	274147.77	135.48	2.40	133.08
11:32:52	2746080.11	274329.30	135.48	4.17	131.31	11:38:55	2746168.97	274142.58	135.48	2.42	133.06
11:32:56	2746073.23	274337.15	135.48	3.60	131.88	11:39:02	2746154.81	274134.34	135.48	2.51	132.97
11:33:00	2746066.19	274345.00	135.48	3.36	132.12	11:39:07	2746147.64	274140.42	135.48	6.36	129.12
11:33:04	2746060.61	274353.28	135.48	3.25	132.23	11:39:11	2746141.65	274146.78	135.48	6.63	128.85
11:33:08	2746053.26	274360.19	135.48	3.00	132.48	11:39:15	2746134.42	274152.28	135.48	6.37	129.11
11:33:12	2746045.49	274366.75	135.48	2.93	132.55	11:39:19	2746127.15	274157.85	135.48	6.31	129.17
11:33:16	2746037.96	274373.92	135.48	2.98	132.50	11:39:24	2746119.96	274165.06	135.48	4.38	131.10

觀測者:林儒文　　計算者:林儒文

後池堰水深測量資料

測量時間:2010/12/07　　單位:M

時間	縱座標(N)	橫座標(E)	潮位	水深值	水底高	時間	縱座標(N)	橫座標(E)	潮位	水深值	水底高
11:39:32	2746111.68	274171.32	135.48	2.28	133.20	11:45:34	2746071.32	274140.88	135.47	2.83	132.64
11:39:38	2746104.79	274177.54	135.48	1.84	133.64	11:45:38	2746076.29	274133.76	135.47	4.38	131.09
11:39:44	2746097.49	274183.53	135.48	1.22	134.26	11:45:42	2746082.07	274126.68	135.47	4.40	131.07
11:39:50	2746091.07	274189.54	135.48	1.20	134.28	11:45:46	2746088.09	274119.48	135.47	5.86	129.61
11:39:56	2746084.35	274195.30	135.48	1.13	134.35	11:45:51	2746095.29	274112.04	135.47	9.38	126.09
11:40:06	2746078.21	274201.86	135.48	1.21	134.27	11:45:57	2746096.86	274103.55	135.47	7.88	127.59
11:40:21	2746071.06	274207.14	135.48	1.41	134.07	11:46:03	2746089.04	274100.14	135.47	5.24	130.23
11:40:30	2746064.37	274214.72	135.48	1.18	134.30	11:46:09	2746079.92	274095.71	135.47	5.40	130.07
11:40:38	2746058.63	274221.82	135.48	1.26	134.22	11:46:15	2746072.70	274091.95	135.47	6.67	128.80
11:40:46	2746052.93	274227.87	135.48	2.38	133.10	11:46:55	2746064.22	274095.64	135.47	6.70	128.77
11:40:52	2746046.27	274233.83	135.48	4.14	131.34	11:47:17	2746055.35	274095.62	135.47	11.03	124.44
11:40:58	2746039.37	274242.21	135.48	5.68	129.80	11:48:00	2746047.43	274093.88	135.47	11.01	124.46
11:41:02	2746033.63	274248.54	135.48	5.65	129.83	11:48:05	2746040.36	274100.96	135.47	8.03	127.44
11:41:06	2746027.14	274254.74	135.48	5.65	129.83	11:48:09	2746033.81	274106.45	135.47	5.60	129.87
11:41:10	2746020.72	274260.99	135.48	5.49	129.99	11:48:13	2746027.79	274112.75	135.47	4.80	130.67
11:41:14	2746014.67	274268.16	135.48	5.15	130.33	11:48:17	2746021.79	274119.41	135.47	4.41	131.06
11:41:18	2746009.00	274275.73	135.48	4.36	131.12	11:48:21	2746015.11	274126.16	135.47	3.70	131.77
11:41:22	2746003.90	274283.69	135.48	3.60	131.88	11:48:25	2746007.71	274132.15	135.47	4.07	131.40
11:41:26	2745998.44	274291.04	135.48	3.45	132.03	11:48:29	2746001.28	274139.25	135.47	4.34	131.13
11:41:30	2745990.59	274296.56	135.48	2.98	132.50	11:48:33	2745995.48	274145.78	135.47	4.54	130.93
11:41:34	2745982.83	274302.33	135.48	3.07	132.41	11:48:38	2745989.04	274152.98	135.47	4.61	130.86
11:41:38	2745975.40	274308.78	135.48	2.95	132.53	11:48:43	2745982.77	274160.32	135.47	5.09	130.38
11:41:42	2745968.37	274315.35	135.48	4.07	131.41	11:48:48	2745975.24	274167.00	135.47	5.74	129.73
11:41:46	2745960.56	274321.41	135.48	4.26	131.22	11:48:52	2745969.47	274172.97	135.47	6.18	129.29
11:41:50	2745952.87	274327.73	135.48	4.37	131.11	11:48:58	2745961.47	274182.88	135.47	6.44	129.03
11:41:54	2745945.85	274334.86	135.48	4.31	131.17	11:49:04	2745954.47	274190.37	135.47	6.85	128.62
11:41:58	2745938.43	274341.55	135.48	4.23	131.25	11:49:10	2745946.96	274197.02	135.47	7.10	128.37
11:42:02	2745931.67	274348.95	135.48	4.49	130.99	11:49:16	2745939.29	274204.30	135.47	7.01	128.46
11:42:06	2745925.14	274356.57	135.48	4.59	130.89	11:49:22	2745931.64	274211.65	135.47	7.10	128.37
11:42:10	2745917.82	274363.49	135.48	4.12	131.36	11:49:28	2745923.40	274219.67	135.47	5.78	129.69
11:42:14	2745910.67	274370.25	135.48	3.90	131.58	11:49:34	2745915.31	274228.02	135.47	5.05	130.42
11:42:18	2745903.87	274377.21	135.48	3.51	131.97	11:49:38	2745909.82	274233.99	135.47	4.63	130.84
11:42:22	2745897.11	274384.30	135.48	4.12	131.36	11:49:42	2745904.54	274240.29	135.47	4.38	131.09
11:42:26	2745890.85	274391.01	135.48	4.05	131.43	11:49:46	2745898.79	274246.22	135.47	4.53	130.94
11:42:31	2745884.34	274397.72	135.48	4.14	131.34	11:49:50	2745893.09	274252.00	135.47	4.54	130.93
11:42:37	2745878.29	274403.79	135.48	3.74	131.74	11:49:54	2745887.43	274257.75	135.47	4.34	131.13
11:42:45	2745871.45	274398.34	135.48	2.57	132.91	11:49:59	2745880.53	274264.95	135.47	4.07	131.40
11:42:51	2745867.89	274388.25	135.48	3.13	132.35	11:50:05	2745872.34	274272.32	135.47	4.24	131.23
11:42:57	2745861.91	274378.75	135.47	2.56	132.91	11:50:11	2745865.19	274280.54	135.47	5.14	130.33
11:43:03	2745855.82	274369.42	135.47	2.15	133.32	11:50:17	2745858.13	274287.15	135.47	5.59	129.88
11:43:09	2745858.79	274361.46	135.47	4.16	131.31	11:50:23	2745851.15	274293.96	135.47	5.35	130.12
11:43:14	2745864.42	274353.79	135.47	3.88	131.59	11:50:29	2745843.91	274301.02	135.47	5.24	130.23
11:43:18	2745870.45	274348.04	135.47	3.91	131.56	11:50:35	2745837.95	274307.04	135.47	3.58	131.89
11:43:24	2745877.48	274342.71	135.47	4.07	131.40	11:50:41	2745831.76	274312.28	135.47	3.05	132.42
11:43:30	2745884.19	274334.47	135.47	3.70	131.77	11:50:51	2745824.38	274318.06	135.47	3.35	132.12
11:43:36	2745890.17	274327.34	135.47	3.56	131.91	11:51:05	2745815.10	274317.93	135.47	2.28	133.19
11:43:42	2745897.66	274319.51	135.47	3.89	131.58	11:51:11	2745809.33	274311.47	135.47	2.09	133.38
11:43:46	2745903.72	274313.89	135.47	3.57	131.90	11:51:19	2745802.08	274304.41	135.47	2.96	132.51
11:43:50	2745908.30	274306.85	135.47	3.71	131.76	11:51:30	2745795.63	274297.29	135.47	2.60	132.87
11:43:54	2745913.17	274299.68	135.47	3.77	131.70	11:52:36	2745787.52	274291.35	135.47	2.53	132.94
11:43:58	2745918.92	274292.97	135.47	4.19	131.28	11:52:47	2745780.85	274285.80	135.47	2.56	132.91
11:44:02	2745925.49	274286.76	135.47	4.26	131.21	11:52:53	2745784.51	274278.46	135.47	2.51	132.96
11:44:06	2745931.74	274280.25	135.47	4.42	131.05	11:52:59	2745793.15	274272.31	135.47	7.44	128.03
11:44:10	2745938.39	274273.50	135.47	4.11	131.36	11:53:05	2745803.30	274266.11	135.47	8.25	127.22
11:44:14	2745945.13	274267.04	135.47	3.66	131.81	11:53:09	2745809.91	274261.02	135.47	9.02	126.45
11:44:18	2745952.49	274260.89	135.47	4.26	131.21	11:53:13	2745816.62	274255.80	135.47	10.51	124.96
11:44:22	2745959.04	274253.91	135.47	4.65	130.82	11:53:17	2745823.78	274250.58	135.47	11.43	124.04
11:44:26	2745965.03	274246.55	135.47	4.45	131.02	11:53:21	2745829.98	274244.76	135.47	12.61	122.86
11:44:30	2745971.46	274239.76	135.47	4.55	130.92	11:53:25	2745835.72	274238.65	135.47	16.20	119.27
11:44:34	2745978.96	274233.85	135.47	4.76	130.71	11:53:29	2745841.88	274232.55	135.47	15.47	120.00
11:44:38	2745986.04	274227.27	135.47	4.70	130.77	11:53:33	2745847.83	274225.65	135.47	13.45	122.02
11:44:42	2745992.38	274220.15	135.47	3.93	131.54	11:53:38	2745854.51	274218.12	135.47	12.48	122.99
11:44:46	2745998.87	274213.34	135.47	2.31	133.16	11:53:44	2745860.61	274211.03	135.47	10.92	124.55
11:44:50	2746005.82	274207.03	135.47	2.24	133.23	11:53:50	2745867.97	274203.05	135.47	11.36	124.11
11:44:54	2746013.28	274201.19	135.47	2.49	132.98	11:53:54	2745872.71	274196.42	135.47	11.26	124.21
11:44:58	2746019.78	274195.00	135.47	2.79	132.68	11:53:58	2745878.07	274190.17	135.47	10.90	124.57
11:45:02	2746025.90	274189.14	135.47	2.59	132.88	11:54:03	2745884.56	274183.24	135.47	10.43	125.04
11:45:06	2746032.68	274183.98	135.47	2.52	132.95	11:54:09	2745891.74	274174.74	135.47	9.27	126.20
11:45:10	2746039.59	274178.96	135.47	2.29	133.18	11:54:15	2745900.53	274167.35	135.47	8.53	126.94
11:45:14	2746045.47	274173.01	135.47	2.44	133.03	11:54:20	2745908.57	274161.42	135.47	8.35	127.12
11:45:18	2746050.87	274167.06	135.47	2.36	133.11	11:54:25	2745915.79	274154.31	135.47	7.51	127.96
11:45:22	2746055.87	274160.58	135.47	2.57	132.90	11:54:30	2745922.54	274146.76	135.47	6.93	128.54
11:45:26	2746060.10	274153.59	135.47	2.44	133.03	11:54:34	2745929.04	274141.53	135.47	6.77	128.70
11:45:30	2746065.51	274147.16	135.47	2.41	133.06	11:54:38	2745935.52	274136.09	135.47	6.39	129.08

觀測者:林儒文　　計算者:林儒文

後池堰水深測量資料

測量時間:2010/12/07　　單位:M

時間	縱座標(N)	橫座標(E)	潮位	水深值	水底高	時間	縱座標(N)	橫座標(E)	潮位	水深值	水底高
11:54:42	2745941.77	274130.20	135.47	5.73	129.74	12:04:30	2745872.43	274063.76	135.47	3.58	131.89
11:54:46	2745947.10	274123.35	135.47	5.74	129.73	12:04:36	2745880.01	274055.43	135.47	4.24	131.23
11:54:52	2745953.29	274115.00	135.47	5.34	130.13	12:04:42	2745887.21	274047.29	135.47	5.26	130.21
11:54:58	2745960.24	274106.48	135.47	4.16	131.31	12:04:48	2745894.96	274039.16	135.47	5.35	130.12
11:55:03	2745966.83	274098.99	135.47	4.24	131.23	12:04:53	2745902.23	274032.71	135.47	6.50	128.97
11:55:09	2745974.68	274090.21	135.47	4.34	131.13	12:04:59	2745910.53	274024.31	135.47	6.75	128.72
11:55:15	2745982.26	274083.88	135.47	5.01	130.46	12:05:05	2745917.04	274017.36	135.47	5.23	130.24
11:55:23	2745988.64	274076.25	135.47	5.68	129.79	12:05:13	2745908.48	274010.59	135.47	2.49	132.98
11:55:31	2745989.68	274067.75	135.47	8.11	127.36	12:05:19	2745899.13	274007.09	135.47	2.91	132.56
11:55:40	2745984.52	274061.28	135.47	6.95	128.52	12:05:25	2745891.93	274002.74	135.47	2.52	132.95
11:55:49	2745976.31	274054.37	135.47	3.62	131.85	12:05:31	2745884.22	273999.81	135.47	2.59	132.88
11:55:58	2745967.65	274050.98	135.47	3.01	132.46	12:05:39	2745875.06	273995.73	135.47	2.57	132.90
11:57:38	2745961.37	274045.64	135.47	2.43	133.04	12:05:49	2745867.20	274000.90	135.47	6.20	129.27
11:58:23	2745959.42	274053.85	135.47	6.78	128.69	12:05:54	2745861.72	274007.71	135.47	2.26	133.21
11:58:29	2745951.64	274058.18	135.47	6.33	129.14	12:06:02	2745855.66	274015.42	135.47	3.99	131.48
11:58:37	2745944.23	274062.40	135.47	5.33	130.14	12:06:08	2745849.69	274021.88	135.47	4.39	131.08
11:58:45	2745934.90	274068.09	135.47	4.52	130.95	12:06:14	2745842.94	274027.87	135.47	3.53	131.94
11:58:51	2745926.76	274074.17	135.47	3.92	131.55	12:06:20	2745836.44	274033.80	135.47	3.85	131.62
11:58:57	2745918.66	274081.76	135.47	3.92	131.55	12:06:26	2745830.25	274040.06	135.47	3.66	131.81
11:59:03	2745910.25	274089.18	135.47	3.95	131.52	12:06:32	2745823.88	274046.02	135.47	3.37	132.10
11:59:09	2745902.77	274097.25	135.47	3.68	131.79	12:06:38	2745817.44	274052.36	135.47	4.02	131.45
11:59:15	2745895.22	274105.61	135.47	3.69	131.78	12:06:44	2745811.59	274058.27	135.47	5.06	130.41
11:59:21	2745886.77	274113.22	135.47	3.75	131.72	12:06:50	2745805.31	274064.08	135.47	6.04	129.43
11:59:27	2745878.55	274121.00	135.47	4.15	131.32	12:06:58	2745797.57	274068.73	135.47	6.01	129.46
11:59:33	2745870.37	274128.82	135.47	4.49	130.98	12:07:06	2745790.04	274075.27	135.47	6.19	129.28
11:59:39	2745862.62	274136.93	135.47	4.79	130.68	12:07:12	2745784.04	274081.28	135.47	6.63	128.84
11:59:44	2745856.14	274144.36	135.47	4.67	130.80	12:07:18	2745776.79	274088.30	135.47	6.35	129.12
11:59:48	2745850.70	274150.36	135.47	5.21	130.26	12:07:24	2745770.18	274096.54	135.47	7.33	128.14
11:59:53	2745844.27	274157.90	135.47	5.40	130.07	12:07:30	2745764.41	274104.81	135.47	7.50	127.97
11:59:58	2745837.47	274165.08	135.47	5.69	129.78	12:07:36	2745757.93	274113.73	135.47	6.91	128.56
12:00:04	2745829.90	274172.26	135.47	6.45	129.02	12:07:42	2745750.03	274121.85	135.47	6.06	129.41
12:00:10	2745822.11	274179.18	135.47	7.58	127.89	12:07:46	2745744.34	274127.84	135.47	6.08	129.39
12:00:16	2745815.23	274185.84	135.47	9.85	125.62	12:07:50	2745737.89	274133.50	135.47	6.09	129.38
12:00:22	2745808.23	274191.48	135.47	10.53	124.94	12:07:54	2745731.57	274139.84	135.47	6.06	129.41
12:00:28	2745802.09	274197.98	135.47	9.25	126.22	12:07:58	2745724.29	274145.69	135.47	5.75	129.72
12:00:34	2745796.59	274205.24	135.47	9.10	126.37	12:08:02	2745716.39	274150.85	135.47	4.58	130.89
12:00:40	2745790.38	274212.84	135.47	7.63	127.84	12:08:06	2745710.59	274157.05	135.47	4.81	130.66
12:00:46	2745784.29	274220.21	135.47	7.48	127.99	12:08:10	2745705.24	274163.18	135.47	5.61	129.86
12:00:52	2745778.16	274227.69	135.47	7.33	128.14	12:08:14	2745699.55	274169.35	135.47	7.26	128.21
12:00:58	2745772.37	274234.10	135.47	6.60	128.87	12:08:18	2745693.38	274175.31	135.47	7.76	127.71
12:01:06	2745765.14	274241.47	135.47	7.17	128.30	12:08:22	2745687.78	274181.70	135.47	7.64	127.83
12:01:12	2745758.76	274247.84	135.47	7.44	128.03	12:08:26	2745682.37	274188.32	135.47	6.69	128.78
12:01:18	2745752.20	274254.69	135.47	5.87	129.60	12:08:30	2745676.67	274195.28	135.47	6.79	128.68
12:01:26	2745746.40	274262.30	135.47	2.61	132.86	12:08:34	2745670.56	274200.81	135.47	6.43	129.04
12:01:36	2745736.68	274261.52	135.47	2.61	132.86	12:08:38	2745664.75	274206.58	135.47	6.77	128.70
12:01:42	2745728.76	274259.38	135.47	2.56	132.91	12:08:44	2745658.82	274213.10	135.47	6.13	129.34
12:01:50	2745719.28	274254.16	135.47	2.53	132.94	12:08:59	2745643.60	274210.93	135.47	2.47	133.00
12:01:56	2745710.73	274249.47	135.47	2.79	132.68	12:09:04	2745634.96	274205.78	135.47	3.04	132.43
12:02:02	2745704.01	274244.91	135.47	2.53	132.94	12:09:10	2745626.45	274201.27	135.47	2.52	132.95
12:02:10	2745695.54	274238.70	135.47	3.08	132.39	12:09:18	2745619.56	274195.91	135.47	3.08	132.39
12:02:18	2745697.55	274227.41	135.47	4.71	130.76	12:09:27	2745612.12	274192.47	135.47	2.52	132.95
12:02:24	2745705.04	274219.68	135.47	5.25	130.22	12:09:40	2745610.03	274182.98	135.47	6.16	129.31
12:02:30	2745714.67	274213.68	135.47	5.73	129.74	12:09:46	2745616.80	274175.78	135.47	6.49	128.98
12:02:36	2745725.60	274209.95	135.47	6.01	129.46	12:09:52	2745625.10	274167.70	135.47	8.82	126.65
12:02:42	2745732.73	274201.93	135.47	5.88	129.59	12:09:58	2745634.35	274160.60	135.47	8.30	127.17
12:02:48	2745741.21	274194.80	135.47	5.91	129.56	12:10:03	2745642.01	274154.70	135.47	7.74	127.73
12:02:52	2745747.53	274189.53	135.47	6.10	129.37	12:10:09	2745650.73	274147.22	135.47	7.54	127.93
12:02:58	2745755.15	274180.91	135.47	6.26	129.21	12:10:15	2745657.81	274138.28	135.47	7.36	128.11
12:03:04	2745762.10	274172.57	135.47	6.52	128.95	12:10:19	2745664.18	274132.83	135.47	8.35	127.12
12:03:13	2745768.82	274164.58	135.47	8.48	126.99	12:10:23	2745670.39	274127.09	135.47	5.79	129.68
12:03:21	2745775.20	274156.73	135.47	9.30	126.17	12:10:27	2745676.48	274120.71	135.47	5.40	130.07
12:03:27	2745782.42	274150.01	135.47	9.69	125.78	12:10:31	2745682.92	274115.07	135.47	4.50	130.97
12:03:33	2745790.25	274143.49	135.47	8.38	127.09	12:10:35	2745688.73	274108.79	135.47	4.01	131.46
12:03:39	2745797.68	274136.45	135.47	5.89	129.58	12:10:40	2745695.98	274102.14	135.47	3.20	132.27
12:03:45	2745805.18	274128.88	135.47	4.32	131.15	12:10:46	2745703.66	274094.98	135.47	2.65	132.82
12:03:51	2745813.29	274120.16	135.47	4.18	131.29	12:10:52	2745710.57	274088.74	135.47	2.76	132.71
12:03:55	2745819.40	274114.14	135.47	4.00	131.47	12:10:58	2745717.56	274082.44	135.47	2.80	132.67
12:03:59	2745825.55	274107.97	135.47	3.56	131.91	12:11:04	2745725.73	274075.48	135.47	2.93	132.54
12:04:03	2745831.26	274101.77	135.47	3.16	132.31	12:11:10	2745732.17	274069.75	135.47	3.22	132.25
12:04:07	2745837.61	274095.43	135.47	2.85	132.62	12:11:18	2745739.63	274061.80	135.47	3.54	131.93
12:04:12	2745844.11	274087.48	135.47	2.57	132.90	12:11:24	2745747.13	274054.32	135.47	3.60	131.87
12:04:16	2745850.16	274081.62	135.47	2.79	132.68	12:11:30	2745755.34	274046.74	135.47	3.14	132.33
12:04:20	2745856.77	274076.35	135.47	2.88	132.59	12:11:36	2745764.19	274039.16	135.47	3.84	131.63
12:04:24	2745863.67	274071.41	135.47	2.97	132.50	12:11:42	2745771.73	274033.39	135.47	4.27	131.20

觀測者:林儒文　　計算者:林儒文

後池堰水深測量資料

測量時間:2010/12/07　　單位:M

時間	縱座標(N)	橫座標(E)	潮位	水深值	水底高	時間	縱座標(N)	橫座標(E)	潮位	水深值	水底高
12:11:51	2745778.15	274025.50	135.47	3.54	131.93	12:17:57	2745699.29	273966.76	135.46	10.65	124.81
12:11:57	2745783.50	274018.15	135.47	4.81	130.66	12:18:01	2745706.73	273962.18	135.46	10.55	124.91
12:12:03	2745789.93	274010.91	135.47	6.21	129.26	12:18:05	2745713.16	273957.02	135.46	9.08	126.38
12:12:09	2745796.41	274004.27	135.47	6.46	129.01	12:18:11	2745719.67	273949.89	135.46	5.82	129.64
12:12:15	2745803.07	273997.39	135.47	6.25	129.22	12:18:17	2745727.28	273944.15	135.46	4.46	131.00
12:12:23	2745808.96	273990.03	135.47	7.73	127.74	12:18:25	2745725.25	273935.12	135.46	2.63	132.83
12:12:31	2745815.42	273983.23	135.47	6.24	129.23	12:18:31	2745715.12	273931.17	135.46	2.67	132.79
12:12:40	2745820.68	273975.58	135.47	2.55	132.92	12:18:37	2745705.30	273926.49	135.46	2.69	132.77
12:12:48	2745812.06	273970.79	135.47	1.92	133.55	12:18:43	2745695.85	273921.57	135.46	1.98	133.48
12:12:56	2745803.40	273967.47	135.46	1.98	133.48	12:18:49	2745686.65	273920.66	135.46	3.39	132.07
12:13:02	2745795.05	273964.12	135.46	2.57	132.89	12:18:55	2745678.74	273927.02	135.46	6.44	129.02
12:13:08	2745787.03	273959.67	135.46	2.08	133.38	12:18:59	2745672.92	273932.89	135.46	7.46	128.00
12:13:16	2745777.74	273955.93	135.46	2.08	133.38	12:19:03	2745666.73	273938.32	135.46	9.06	126.40
12:13:22	2745771.04	273960.67	135.46	6.19	129.27	12:19:07	2745659.88	273943.52	135.46	7.83	127.63
12:13:27	2745766.62	273969.06	135.46	6.76	128.70	12:19:11	2745653.11	273949.36	135.46	7.08	128.38
12:13:32	2745760.13	273976.53	135.46	9.38	126.08	12:19:15	2745646.63	273956.13	135.46	16.24	119.22
12:13:36	2745755.15	273982.86	135.46	9.58	125.88	12:19:19	2745639.64	273962.18	135.46	15.13	120.33
12:13:40	2745749.90	273989.41	135.46	8.53	126.93	12:19:23	2745632.14	273967.79	135.46	13.92	121.54
12:13:44	2745743.39	273995.57	135.46	7.82	127.64	12:19:27	2745625.07	273973.79	135.46	8.65	126.81
12:13:48	2745736.66	274001.76	135.46	6.12	129.34	12:19:31	2745617.69	273979.62	135.46	10.47	124.99
12:13:52	2745729.83	274007.84	135.46	5.60	129.86	12:19:35	2745610.78	273985.88	135.46	12.17	123.29
12:13:56	2745722.85	274014.20	135.46	5.69	129.77	12:19:39	2745604.28	273992.98	135.46	12.04	123.42
12:14:00	2745715.20	274020.38	135.46	4.98	130.48	12:19:43	2745597.37	273999.55	135.46	14.62	120.84
12:14:04	2745707.99	274027.10	135.46	4.33	131.13	12:19:47	2745591.06	274006.39	135.46	16.62	118.84
12:14:08	2745701.06	274033.65	135.46	4.78	130.68	12:19:51	2745584.87	274013.38	135.46	16.18	119.28
12:14:12	2745694.25	274040.79	135.46	5.57	129.89	12:19:55	2745578.02	274020.16	135.46	15.85	119.61
12:14:16	2745687.39	274047.60	135.46	4.95	130.51	12:19:59	2745570.86	274026.38	135.46	15.47	119.99
12:14:20	2745679.59	274054.24	135.46	4.54	130.92	12:20:03	2745562.60	274032.10	135.46	14.47	120.99
12:14:24	2745672.06	274061.48	135.46	4.88	130.58	12:20:07	2745555.51	274038.61	135.46	15.22	120.24
12:14:28	2745664.98	274068.35	135.46	3.55	131.91	12:20:11	2745548.30	274044.89	135.46	16.21	119.25
12:14:32	2745658.58	274075.88	135.46	3.58	131.88	12:20:15	2745541.91	274050.06	135.46	17.96	117.50
12:14:36	2745650.98	274082.37	135.46	2.86	132.60	12:20:19	2745534.68	274055.97	135.46	21.53	113.93
12:14:40	2745643.90	274089.44	135.46	3.12	132.34	12:20:24	2745529.08	274062.46	135.46	24.21	111.25
12:14:44	2745636.12	274095.35	135.46	4.18	131.28	12:20:29	2745522.32	274068.59	135.46	27.02	108.44
12:14:48	2745629.00	274101.05	135.46	6.91	128.55	12:20:33	2745516.75	274075.04	135.46	29.74	105.72
12:14:52	2745621.72	274106.87	135.46	9.40	126.06	12:20:38	2745510.73	274083.19	135.46	24.42	111.04
12:14:56	2745614.20	274113.50	135.46	9.22	126.24	12:20:43	2745503.55	274090.10	135.46	22.48	112.98
12:15:00	2745607.00	274119.84	135.46	9.25	126.21	12:20:47	2745497.81	274095.88	135.46	13.02	122.44
12:15:04	2745600.61	274127.83	135.46	9.29	126.17	12:20:53	2745490.55	274104.03	135.46	8.33	127.13
12:15:08	2745593.56	274134.68	135.46	9.41	126.05	12:20:59	2745484.19	274110.48	135.46	6.60	128.86
12:15:12	2745586.69	274141.82	135.46	9.68	125.78	12:21:07	2745476.61	274114.56	135.46	2.05	133.41
12:15:16	2745579.61	274148.22	135.46	12.94	122.52	12:21:15	2745467.60	274107.83	135.46	2.61	132.85
12:15:20	2745574.58	274155.75	135.46	8.16	127.30	12:21:21	2745458.41	274102.10	135.46	3.52	131.94
12:15:26	2745568.42	274164.45	135.46	4.94	130.52	12:21:27	2745449.66	274097.56	135.46	3.13	132.33
12:15:32	2745560.23	274162.11	135.46	3.07	132.39	12:21:33	2745440.96	274092.78	135.46	2.51	132.95
12:15:37	2745552.07	274156.42	135.46	3.08	132.38	12:21:39	2745433.54	274089.72	135.46	1.89	133.57
12:15:41	2745544.92	274152.41	135.46	3.07	132.39	12:21:46	2745435.05	274080.41	135.46	7.79	127.67
12:15:45	2745537.63	274148.78	135.46	3.11	132.35	12:21:51	2745440.02	274072.51	135.46	22.34	113.12
12:15:55	2745524.45	274140.55	135.46	3.13	132.33	12:21:56	2745447.79	274066.38	135.46	26.07	109.39
12:16:01	2745524.78	274129.80	135.46	5.90	129.56	12:22:01	2745455.81	274060.77	135.46	23.18	112.28
12:16:06	2745527.51	274120.39	135.46	15.42	120.04	12:22:06	2745463.64	274055.97	135.46	28.91	106.55
12:16:10	2745532.33	274113.97	135.46	21.88	113.58	12:22:13	2745472.09	274048.99	135.46	29.96	105.50
12:16:14	2745538.46	274107.86	135.46	25.27	110.19	12:22:19	2745479.65	274043.35	135.46	27.76	107.70
12:16:20	2745548.46	274102.85	135.46	24.42	111.04	12:22:25	2745487.60	274037.63	135.46	27.36	108.10
12:16:26	2745557.50	274098.33	135.46	19.50	115.96	12:22:31	2745495.46	274031.43	135.46	23.98	111.48
12:16:32	2745566.00	274091.21	135.46	17.51	117.95	12:22:36	2745502.82	274025.53	135.46	20.41	115.05
12:16:36	2745572.52	274086.49	135.46	17.88	117.58	12:22:41	2745509.99	274019.65	135.46	16.17	119.29
12:16:42	2745581.04	274079.29	135.46	14.84	120.62	12:22:46	2745515.84	274012.55	135.46	14.53	120.93
12:16:48	2745588.07	274070.57	135.46	11.12	124.34	12:22:52	2745523.34	274007.27	135.46	14.53	120.93
12:16:54	2745597.10	274064.03	135.46	9.49	125.97	12:22:58	2745529.69	273998.74	135.46	15.67	119.79
12:16:59	2745604.64	274058.19	135.46	8.59	126.87	12:23:02	2745534.91	273992.67	135.46	16.19	119.27
12:17:04	2745610.77	274050.49	135.46	11.26	124.20	12:23:08	2745542.51	273985.14	135.46	16.74	118.72
12:17:08	2745616.74	274044.28	135.46	9.71	125.75	12:23:16	2745549.41	273978.85	135.46	16.93	118.53
12:17:12	2745623.42	274038.26	135.46	12.15	123.31	12:23:22	2745555.24	273972.18	135.46	17.12	118.34
12:17:16	2745630.48	274032.50	135.46	11.47	123.99	12:23:28	2745561.91	273966.33	135.46	17.85	117.61
12:17:20	2745637.46	274025.89	135.46	10.01	125.45	12:23:34	2745569.70	273960.81	135.46	18.05	117.41
12:17:24	2745644.17	274019.64	135.46	9.99	125.47	12:23:40	2745576.37	273953.25	135.46	18.00	117.46
12:17:28	2745650.44	274012.63	135.46	10.00	125.46	12:23:46	2745583.96	273946.09	135.46	17.46	118.00
12:17:32	2745656.94	274005.64	135.46	10.68	124.78	12:23:52	2745593.37	273939.59	135.46	14.19	121.27
12:17:37	2745664.34	273996.78	135.46	10.99	124.47	12:23:58	2745601.78	273932.12	135.46	10.88	124.58
12:17:41	2745671.25	273990.01	135.46	8.94	126.52	12:24:04	2745609.19	273925.05	135.46	8.45	127.01
12:17:45	2745678.13	273983.71	135.46	6.20	129.26	12:24:10	2745616.85	273919.30	135.46	6.49	128.97
12:17:49	2745685.84	273978.24	135.46	6.93	128.53	12:24:16	2745622.94	273913.18	135.46	5.40	130.06
12:17:53	2745692.61	273972.50	135.46	7.34	128.12	12:24:22	2745628.45	273906.26	135.46	6.40	129.06

觀測者:林儒文　　計算者:林儒文

後池堰水深測量資料

測量時間:2010/12/07　　單位:M

時間	縱座標(N)	橫座標(E)	潮位	水深值	水底高	時間	縱座標(N)	橫座標(E)	潮位	水深值	水底高
12:24:28	2745632.86	273899.55	135.46	4.29	131.17	12:31:23	2745476.84	273867.23	135.45	14.62	120.83
12:24:34	2745626.82	273893.68	135.46	2.47	132.99	12:31:27	2745471.64	273875.06	135.45	12.91	122.54
12:24:40	2745616.16	273889.72	135.46	2.46	133.00	12:31:31	2745467.04	273882.68	135.45	12.88	122.57
12:24:46	2745605.91	273884.06	135.46	1.85	133.61	12:31:35	2745461.48	273889.78	135.45	14.48	120.97
12:24:52	2745595.73	273881.45	135.46	3.05	132.41	12:31:39	2745455.82	273897.17	135.45	16.42	119.03
12:24:57	2745587.61	273887.47	135.46	6.76	128.70	12:31:44	2745448.81	273905.37	135.45	18.38	117.07
12:25:01	2745581.53	273893.65	135.46	5.55	129.91	12:31:48	2745443.48	273911.87	135.45	20.61	114.84
12:25:05	2745574.65	273899.35	135.46	9.04	126.42	12:31:52	2745438.41	273918.87	135.45	19.89	115.56
12:25:09	2745568.42	273904.37	135.46	14.17	121.29	12:31:56	2745432.26	273926.30	135.45	20.88	114.57
12:25:13	2745561.62	273908.93	135.46	12.49	122.97	12:32:00	2745425.90	273933.55	135.45	21.23	114.22
12:25:17	2745554.84	273914.10	135.46	14.16	121.30	12:32:04	2745419.42	273940.42	135.45	19.01	116.44
12:25:21	2745547.19	273918.87	135.46	16.39	119.07	12:32:08	2745413.37	273947.61	135.45	20.22	115.23
12:25:25	2745540.17	273924.25	135.46	19.89	115.57	12:32:12	2745406.81	273954.19	135.45	21.32	114.13
12:25:29	2745532.71	273929.32	135.46	22.38	113.08	12:32:16	2745401.14	273962.28	135.45	21.73	113.72
12:25:33	2745526.50	273935.89	135.46	23.27	112.19	12:32:20	2745395.55	273969.72	135.45	20.58	114.87
12:25:37	2745520.07	273942.11	135.46	24.25	111.21	12:32:24	2745390.19	273977.66	135.45	16.37	119.08
12:25:41	2745513.48	273949.13	135.46	24.72	110.74	12:32:28	2745384.49	273985.49	135.45	10.49	124.96
12:25:45	2745506.83	273955.28	135.46	26.28	109.18	12:32:33	2745377.69	273994.02	135.45	9.06	126.39
12:25:49	2745500.75	273962.05	135.46	26.43	109.03	12:32:37	2745372.47	274000.24	135.45	8.09	127.36
12:25:53	2745493.71	273968.19	135.46	26.32	109.14	12:32:42	2745366.64	274007.41	135.45	5.94	129.51
12:25:57	2745486.87	273974.42	135.46	25.88	109.58	12:32:48	2745359.96	274013.57	135.45	3.47	131.98
12:26:01	2745481.15	273980.04	135.46	23.86	111.60	12:32:54	2745356.25	274021.39	135.45	1.96	133.49
12:26:05	2745474.09	273985.37	135.46	23.32	112.14	12:33:08	2745357.75	274012.52	135.45	2.95	132.50
12:26:09	2745467.53	273991.91	135.46	22.76	112.70	12:33:12	2745355.03	274004.10	135.45	2.47	132.98
12:26:13	2745460.06	273997.72	135.46	22.67	112.79	12:33:16	2745353.37	273995.98	135.45	2.12	133.33
12:26:17	2745452.81	274004.28	135.46	22.80	112.66	12:33:21	2745352.07	273987.42	135.45	2.21	133.24
12:26:21	2745445.63	274010.02	135.46	24.00	111.46	12:33:30	2745351.36	273977.55	135.44	2.34	133.10
12:26:26	2745437.25	274015.71	135.46	24.86	110.60	12:33:39	2745349.56	273969.65	135.44	2.03	133.41
12:26:30	2745429.94	274020.87	135.46	26.74	108.72	12:33:55	2745357.52	273964.79	135.44	4.96	130.48
12:26:34	2745423.55	274027.42	135.46	25.44	110.02	12:34:12	2745352.18	273956.05	135.44	3.60	131.84
12:26:38	2745417.33	274033.97	135.46	18.35	117.11	12:34:20	2745350.68	273947.15	135.44	4.83	130.61
12:26:42	2745411.55	274041.12	135.46	10.64	124.82	12:34:28	2745345.43	273939.93	135.44	2.96	132.48
12:26:46	2745406.29	274048.09	135.46	11.05	124.41	12:34:54	2745352.60	273943.63	135.44	3.86	131.58
12:26:50	2745399.98	274053.00	135.46	10.51	124.95	12:35:02	2745359.41	273937.01	135.44	2.81	132.63
12:26:56	2745394.92	274059.50	135.46	5.74	129.72	12:35:08	2745364.30	273929.29	135.44	2.91	132.53
12:27:06	2745384.50	274057.99	135.46	3.25	132.21	12:35:14	2745369.78	273921.89	135.44	2.81	132.63
12:27:12	2745375.46	274052.37	135.46	3.42	132.04	12:35:19	2745376.83	273914.67	135.44	2.89	132.55
12:27:18	2745366.90	274046.49	135.46	2.92	132.54	12:35:24	2745382.62	273905.84	135.44	3.47	131.97
12:27:24	2745359.17	274041.02	135.46	2.06	133.40	12:35:28	2745387.21	273897.80	135.44	6.10	129.34
12:27:34	2745356.12	274033.17	135.46	1.49	133.97	12:35:32	2745393.44	273890.96	135.44	7.15	128.29
12:27:46	2745357.50	274024.46	135.46	2.35	133.11	12:35:36	2745399.52	273884.12	135.44	8.71	126.73
12:27:58	2745361.75	274016.18	135.46	3.96	131.50	12:35:40	2745406.25	273877.54	135.44	15.37	120.07
12:28:07	2745366.52	274009.58	135.46	5.84	129.62	12:35:44	2745411.46	273869.69	135.44	17.73	117.71
12:28:18	2745373.92	274003.13	135.46	8.36	127.10	12:35:48	2745417.01	273861.83	135.44	16.17	119.27
12:28:26	2745382.97	273999.03	135.46	9.96	125.50	12:35:52	2745422.63	273854.30	135.44	14.86	120.58
12:28:32	2745388.47	273993.07	135.46	10.96	124.50	12:35:56	2745428.99	273847.45	135.44	14.50	120.94
12:28:38	2745394.90	273988.03	135.46	17.45	118.01	12:36:00	2745434.82	273840.26	135.44	11.92	123.52
12:28:44	2745401.21	273982.51	135.46	20.95	114.51	12:36:04	2745442.11	273833.76	135.44	8.45	126.99
12:28:50	2745408.96	273977.41	135.46	23.16	112.30	12:36:08	2745448.61	273826.95	135.44	10.58	124.86
12:28:58	2745417.32	273970.16	135.46	22.13	113.33	12:36:13	2745455.40	273818.73	135.44	10.71	124.73
12:29:02	2745423.59	273964.90	135.46	22.27	113.19	12:36:19	2745460.00	273809.76	135.44	2.93	132.51
12:29:07	2745431.30	273957.83	135.46	26.42	109.04	12:36:25	2745451.62	273802.72	135.44	2.67	132.77
12:29:13	2745441.41	273951.40	135.46	27.37	108.09	12:36:31	2745442.03	273797.65	135.44	3.44	132.00
12:29:19	2745449.90	273943.78	135.46	25.38	110.08	12:36:37	2745432.25	273792.82	135.44	3.37	132.07
12:29:25	2745458.86	273937.37	135.46	22.75	112.71	12:36:43	2745421.58	273789.52	135.44	3.59	131.85
12:29:31	2745467.52	273931.06	135.46	22.60	112.86	12:36:49	2745410.02	273789.80	135.44	3.76	131.68
12:29:37	2745474.93	273922.94	135.46	20.85	114.61	12:36:53	2745401.54	273789.39	135.44	3.30	132.14
12:29:41	2745480.42	273916.96	135.46	20.43	115.03	12:36:57	2745392.78	273789.81	135.44	3.14	132.30
12:29:47	2745487.88	273909.05	135.46	19.80	115.66	12:37:01	2745384.11	273790.54	135.44	2.08	133.36
12:29:53	2745494.26	273901.43	135.46	19.48	115.98	12:37:05	2745376.00	273792.71	135.44	2.37	133.07
12:29:59	2745501.26	273894.93	135.46	20.92	114.54	12:37:10	2745365.86	273794.51	135.44	2.51	132.93
12:30:05	2745509.10	273888.46	135.46	21.33	114.13	12:37:14	2745357.91	273796.37	135.44	2.71	132.73
12:30:11	2745516.68	273882.29	135.46	21.16	114.30	12:37:19	2745348.42	273798.15	135.44	2.81	132.63
12:30:17	2745524.37	273876.64	135.46	15.45	120.01	12:37:25	2745338.08	273799.79	135.44	2.54	132.90
12:30:23	2745531.47	273869.76	135.46	10.11	125.35	12:37:29	2745329.02	273800.31	135.44	2.61	132.83
12:30:31	2745539.69	273863.79	135.45	6.31	129.14	12:37:36	2745323.32	273808.25	135.44	8.79	126.65
12:30:41	2745536.64	273855.99	135.45	2.57	132.88	12:37:42	2745325.89	273818.25	135.44	8.84	126.60
12:30:47	2745527.62	273854.05	135.45	3.27	132.18	12:37:48	2745326.90	273829.31	135.44	8.89	126.55
12:30:53	2745519.08	273849.04	135.45	3.13	132.32	12:37:54	2745328.33	273839.77	135.44	6.31	129.13
12:30:59	2745510.71	273843.51	135.45	1.95	133.50	12:38:09	2745343.90	273842.64	135.44	5.34	130.10
12:31:05	2745501.35	273841.32	135.45	3.79	131.66	12:38:16	2745353.07	273844.41	135.44	6.26	129.18
12:31:11	2745492.94	273846.98	135.45	7.84	127.61	12:38:21	2745362.31	273845.21	135.44	5.69	129.75
12:31:15	2745488.32	273853.66	135.45	9.30	126.15	12:38:27	2745362.55	273836.17	135.44	5.84	129.60
12:31:19	2745482.69	273860.45	135.45	15.25	120.20	12:38:33	2745358.79	273825.30	135.44	5.90	129.54

觀測者:林儒文　　計算者:林儒文

後池堰水深測量資料

測量時間:2010/12/07　　單位:M

時間	縱座標(N)	橫座標(E)	潮位	水深值	水底高	時間	縱座標(N)	橫座標(E)	潮位	水深值	水底高
12:38:37	2745356.12	273817.20	135.44	6.08	129.36	12:49:01	2745571.33	274162.54	135.44	6.09	129.35
12:38:40	2745353.68	273808.83	135.44	5.80	129.64	12:49:09	2745579.44	274167.79	135.44	5.47	129.97
12:38:44	2745352.32	273800.90	135.44	5.41	130.03	12:49:15	2745585.51	274173.40	135.44	4.81	130.63
12:38:54	2745358.91	273795.20	135.44	2.34	133.10	12:49:21	2745592.05	274179.22	135.44	3.64	131.80
12:39:00	2745368.16	273794.06	135.44	3.29	132.15	12:49:27	2745599.56	274184.21	135.44	3.02	132.42
12:39:08	2745378.00	273792.47	135.44	2.89	132.55	12:49:33	2745607.44	274189.03	135.44	3.03	132.41
12:39:17	2745380.95	273801.71	135.44	5.01	130.43	12:49:39	2745615.94	274193.06	135.44	3.05	132.39
12:39:22	2745382.32	273811.28	135.44	5.45	129.99	12:49:45	2745623.72	274198.19	135.44	3.59	131.85
12:39:26	2745384.08	273819.25	135.44	5.53	129.91	12:49:51	2745631.82	274203.12	135.44	3.63	131.81
12:39:30	2745384.29	273827.25	135.44	4.93	130.51	12:49:57	2745639.87	274208.73	135.44	3.00	132.44
12:39:36	2745384.77	273837.68	135.44	6.75	128.69	12:50:03	2745648.11	274213.88	135.44	2.38	133.06
12:39:44	2745394.66	273839.42	135.44	8.60	126.84	12:50:09	2745656.83	274219.17	135.44	2.37	133.07
12:39:52	2745399.81	273831.09	135.44	12.63	122.81	12:50:15	2745665.98	274224.04	135.44	2.36	133.08
12:39:57	2745398.08	273820.77	135.44	9.05	126.39	12:50:21	2745674.51	274229.59	135.44	2.39	133.05
12:40:03	2745402.77	273810.30	135.44	5.98	129.46	12:50:27	2745683.57	274235.12	135.44	2.40	133.04
12:40:09	2745405.86	273800.73	135.44	5.48	129.96	12:50:33	2745693.39	274240.53	135.44	2.34	133.10
12:40:15	2745407.27	273792.83	135.44	4.36	131.08	12:50:39	2745703.13	274246.39	135.44	2.37	133.07
12:40:25	2745414.16	273786.66	135.44	2.64	132.80	12:50:45	2745713.06	274252.07	135.44	2.41	133.03
12:40:34	2745422.57	273787.42	135.44	2.11	133.33	12:50:53	2745727.07	274261.04	135.44	2.37	133.07
12:40:43	2745421.37	273797.56	135.44	5.71	129.73	12:50:59	2745737.63	274263.42	135.44	2.48	132.96
12:40:49	2745417.06	273806.52	135.44	4.35	131.09	12:51:05	2745747.28	274266.26	135.44	2.47	132.97
12:40:55	2745412.25	273814.47	135.44	6.28	129.16	12:51:11	2745756.64	274272.13	135.44	2.43	133.01
12:41:01	2745408.33	273822.61	135.44	9.95	125.49	12:51:17	2745766.33	274277.75	135.44	2.43	133.01
12:41:09	2745401.94	273831.23	135.44	14.36	121.08	12:51:23	2745776.47	274281.67	135.44	2.42	133.02
12:41:19	2745404.07	273839.95	135.44	10.08	125.36	12:51:29	2745786.10	274286.92	135.44	2.40	133.04
12:41:29	2745405.63	273850.16	135.44	9.42	126.02	12:51:35	2745795.11	274293.91	135.44	2.40	133.04
12:41:37	2745400.50	273859.43	135.44	1.88	133.56	12:51:40	2745802.36	274299.75	135.44	3.75	131.69
12:41:43	2745396.03	273866.08	135.44	1.22	134.22	12:51:46	2745810.50	274307.25	135.44	2.67	132.77
12:41:51	2745390.17	273875.18	135.44	1.87	133.57	12:51:52	2745817.65	274313.70	135.44	3.59	131.85
12:41:57	2745385.40	273882.56	135.44	1.78	133.66	12:51:58	2745824.48	274319.86	135.44	3.60	131.84
12:42:03	2745380.80	273890.27	135.44	1.83	133.61	12:52:04	2745831.18	274326.08	135.44	2.89	132.55
12:42:09	2745375.55	273897.13	135.44	1.85	133.59	12:52:10	2745837.16	274333.23	135.44	3.88	131.56
12:42:15	2745372.45	273904.85	135.44	2.41	133.03	12:52:16	2745842.55	274341.48	135.44	3.82	131.62
12:42:21	2745368.70	273912.31	135.44	2.32	133.12	12:52:22	2745847.84	274350.08	135.44	3.88	131.56
12:42:27	2745362.02	273919.37	135.44	2.36	133.08	12:52:28	2745853.72	274359.26	135.44	3.84	131.60
12:42:33	2745356.37	273926.22	135.44	2.46	132.98	12:52:34	2745859.39	274368.20	135.44	3.70	131.74
12:42:41	2745351.95	273935.18	135.44	2.59	132.85	12:52:40	2745865.23	274377.13	135.44	3.76	131.68
12:42:47	2745351.96	273943.62	135.44	0.74	134.70	12:52:46	2745870.71	274386.55	135.44	3.76	131.68
12:42:55	2745349.81	273951.79	135.44	5.19	130.25	12:52:52	2745875.71	274396.19	135.44	3.76	131.68
12:43:02	2745348.33	273960.61	135.44	2.17	133.27	12:52:58	2745879.76	274405.92	135.44	3.56	131.88
12:43:10	2745348.55	273969.74	135.44	1.94	133.50	12:53:04	2745884.20	274415.65	135.44	3.54	131.90
12:43:19	2745350.36	273978.49	135.44	2.01	133.43	12:53:10	2745889.36	274425.59	135.44	3.80	131.64
12:43:27	2745353.65	273988.21	135.44	2.79	132.65	12:53:16	2745893.20	274435.84	135.44	2.85	132.59
12:43:33	2745355.87	273996.04	135.44	3.17	132.27	12:53:22	2745896.17	274444.44	135.44	2.96	132.48
12:43:39	2745356.29	274004.62	135.44	3.00	132.44	12:53:30	2745899.12	274453.72	135.44	2.38	133.06
12:43:45	2745355.36	274013.42	135.44	2.31	133.13	12:53:39	2745901.88	274463.60	135.44	2.00	133.44
12:43:55	2745354.56	274023.18	135.44	1.67	133.77	12:53:45	2745903.96	274471.90	135.44	1.89	133.55
12:44:07	2745356.64	274032.41	135.44	1.84	133.60	12:53:51	2745905.41	274480.82	135.44	1.99	133.45
12:44:20	2745360.28	274040.60	135.44	2.80	132.64	12:53:57	2745907.44	274489.61	135.44	1.79	133.65
12:44:38	2745368.35	274044.24	135.44	5.33	130.11	12:54:03	2745907.73	274498.71	135.44	1.61	133.83
12:44:55	2745376.28	274049.72	135.44	5.74	129.70	12:54:09	2745907.58	274508.65	135.44	1.30	134.14
12:45:09	2745384.46	274055.79	135.44	5.14	130.30	12:54:15	2745907.61	274518.99	135.44	1.22	134.22
12:45:21	2745392.33	274061.07	135.44	4.38	131.06	12:54:21	2745907.93	274529.43	135.44	1.18	134.26
12:45:29	2745399.96	274065.78	135.44	4.27	131.17	12:54:27	2745907.31	274540.04	135.44	1.14	134.30
12:45:37	2745408.11	274069.62	135.44	4.31	131.13						
12:45:45	2745416.10	274073.08	135.44	4.89	130.55						
12:45:53	2745423.77	274077.17	135.44	4.99	130.45						
12:46:05	2745433.04	274081.09	135.44	6.14	129.30						
12:46:19	2745440.90	274084.96	135.44	6.51	128.93						
12:46:31	2745448.90	274091.90	135.44	6.24	129.20						
12:46:40	2745456.58	274096.88	135.44	5.25	130.19						
12:46:49	2745463.13	274101.68	135.44	4.94	130.50						
12:47:00	2745470.66	274106.85	135.44	4.37	131.07						
12:47:10	2745478.01	274111.16	135.44	4.32	131.12						
12:47:20	2745486.12	274116.91	135.44	4.24	131.20						
12:47:32	2745494.46	274122.68	135.44	3.15	132.29						
12:47:41	2745504.14	274124.64	135.44	4.93	130.51						
12:47:52	2745512.39	274130.16	135.44	4.37	131.07						
12:48:02	2745520.15	274135.94	135.44	3.76	131.68						
12:48:17	2745528.63	274139.39	135.44	4.88	130.56						
12:48:29	2745537.54	274142.68	135.44	6.07	129.37						
12:48:37	2745546.42	274147.82	135.44	6.06	129.38						
12:48:45	2745554.56	274152.75	135.44	5.53	129.91						
12:48:53	2745563.58	274156.78	135.44	6.04	129.40						

觀測者:林儒文　　計算者:林儒文

壹、測量說明

貳、控制點坐標表

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肆、導線計算表

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照片四 導線測量工作照

斷面成果表

HC01		HC02		HC02		HC03		HC03	
累距	高程	累距	高程	累距	高程	累距	高程	累距	高程
0.00	142.63	0.00	135.58	414.99	132.71	0.00	142.62	424.08	132.30
5.09	141.63	1.61	145.00	423.58	132.73	0.97	139.00	429.55	132.35
11.59	141.26	2.03	144.00	428.95	132.77	1.79	138.00	439.11	132.74
17.18	139.85	2.37	143.00	435.04	133.07	2.52	137.00	446.12	133.00
17.80	138.54	2.75	142.00	440.23	133.25	3.93	135.37	454.06	133.22
28.00	145.04	3.05	141.00	446.48	133.47	4.99	134.00	459.72	133.41
32.52	137.03	3.40	140.00	455.07	133.77	5.76	133.00	469.66	133.63
39.01	137.03	3.71	139.00	461.15	134.00	6.53	132.00	480.35	133.86
44.78	136.43	4.44	138.00	474.53	134.39	6.88	131.00	486.55	134.00
56.76	136.48	5.10	137.00	485.24	134.74	9.38	130.00	492.53	134.18
62.39	136.50	6.34	135.09	507.46	135.70	11.50	129.00	500.86	134.39
67.53	136.34	7.28	134.00	514.48	135.97	14.63	128.00	506.20	134.62
78.99	136.28	9.65	133.00	527.70	136.43	20.93	128.00	511.33	135.00
93.46	136.23	13.35	131.74	534.51	136.66	26.49	127.73	526.82	135.68
106.68	136.22	27.63	130.23	542.08	136.91	34.28	129.00	537.55	136.26
121.43	136.22	38.46	129.82	557.69	137.71	40.26	129.82	547.66	136.64
134.66	136.23	45.45	129.70	563.16	137.86	45.98	130.14	557.99	137.00
146.02	136.23	55.98	129.69	569.46	138.06	54.62	130.14	570.00	137.42
158.64	136.27	64.73	129.57	572.99	139.54	59.94	130.09	580.98	137.97
173.55	136.24	73.34	129.71	575.16	140.85	65.11	129.92	583.50	139.00
185.90	136.27	80.54	129.93	577.25	142.00	77.15	129.60	585.63	140.00
195.27	136.26	91.44	130.48	578.38	143.00	87.58	129.58	587.23	141.00
207.51	136.27	100.83	129.52	579.01	143.56	99.85	128.94	588.71	142.00
216.24	136.30	106.76	129.11	E		108.76	129.95	590.08	143.00
231.94	136.23	112.55	128.82			115.02	130.37	591.30	143.83
246.62	136.28	118.53	128.54			126.27	129.99	E	
258.75	136.30	124.07	128.08			137.33	129.59		
267.00	136.26	129.14	127.85			147.30	129.34		
278.92	136.23	134.52	127.73			157.33	129.21		
291.53	136.25	145.26	127.76			167.54	129.43		
299.39	136.32	156.14	127.54			177.34	129.81		
310.85	136.28	165.97	127.53			182.43	129.98		
315.96	136.37	175.54	127.57			187.90	130.18		
325.66	136.27	184.89	127.88			193.79	130.78		
333.58	136.04	190.90	128.10			199.35	131.06		
339.25	135.88	197.81	128.55			208.14	131.15		
354.10	136.18	204.23	128.98			218.04	131.13		
369.07	136.39	215.08	129.24			227.96	131.40		
380.73	136.20	224.89	129.60			237.79	131.22		
389.89	136.14	232.05	129.15			247.02	131.21		
391.82	137.89	243.33	128.68			257.38	131.55		
396.82	141.32	252.86	128.72			265.81	131.13		
398.72	142.36	260.58	129.00			271.17	131.00		
400.61	143.50	265.79	129.14			276.24	131.01		
401.85	144.53	273.04	129.32			285.01	131.26		
416.34	144.46	279.55	130.00			292.65	131.00		
487.15	143.78	292.17	130.66			303.51	130.76		
495.64	143.54	303.09	131.42			312.23	130.93		
505.62	142.54	312.11	131.47			319.05	131.15		
513.98	143.54	321.39	131.38			329.41	131.75		
523.31	143.31	331.68	131.32			340.45	131.85		
530.94	143.33	340.56	131.30			353.08	131.92		
538.86	142.90	351.08	131.70			359.82	132.22		
545.23	142.56	360.91	131.77			369.95	132.55		
549.59	143.04	370.69	131.86			376.56	132.74		
E		378.95	132.00			390.80	132.42		
		387.19	132.08			399.39	132.00		
		396.62	132.14			406.71	131.98		
		408.27	132.23			419.06	132.21		

斷面成果表

HC04		HC04		HC05		HC05		HC06	
累距	高程	累距	高程	累距	高程	累距	高程	累距	高程
0.00	136.62	462.63	133.33	0.00	136.66	481.30	132.59	0.00	142.85
3.64	136.10	473.14	133.47	3.34	136.00	490.19	132.93	1.42	136.92
5.44	135.02	479.99	133.58	5.09	135.00	498.92	133.37	4.39	135.09
7.44	134.00	487.11	133.80	8.23	134.00	508.71	133.72	7.15	134.00
9.40	133.00	492.92	134.00	11.35	133.00	516.56	133.96	9.83	133.00
10.96	132.00	500.69	134.07	13.40	132.00	522.92	134.04	12.50	132.00
12.58	131.00	510.88	134.22	14.88	131.00	537.06	134.53	15.20	131.00
14.01	130.00	520.64	134.58	17.12	130.00	547.77	134.82	17.90	130.00
16.67	129.00	534.35	135.00	20.96	128.17	568.16	135.70	20.53	128.82
22.06	128.55	549.74	135.68	33.47	128.12	580.59	136.20	27.12	129.04
29.49	128.08	554.86	135.91	38.83	128.49	586.74	136.44	35.83	127.50
36.61	127.69	564.42	136.57	44.92	129.00	596.11	136.99	43.04	127.31
42.32	128.23	570.37	136.85	50.23	129.50	604.04	137.36	56.53	127.32
50.95	128.82	577.37	137.12	61.49	130.19	613.73	137.79	65.48	128.00
60.17	129.32	586.52	137.41	71.49	129.80	620.58	139.00	72.49	128.52
66.75	128.47	596.45	137.92	83.26	130.00	623.58	140.82	78.61	128.95
78.57	128.91	599.94	139.00	93.41	130.48	625.17	141.89	85.44	129.40
84.96	128.99	602.63	140.45	102.97	130.00	626.71	142.94	91.12	129.54
90.86	129.17	604.99	142.00	111.82	130.18	628.59	144.15	104.27	130.00
99.15	129.45	606.43	143.00	117.26	130.45	E		115.86	130.77
104.70	129.36	607.99	143.84	122.37	130.71			125.94	130.84
109.84	129.36	E		129.08	131.00			134.15	131.14
119.13	129.93			142.66	131.59			146.53	131.57
128.59	130.42			153.00	131.88			155.46	131.97
138.29	130.47			159.71	132.00			161.94	132.05
149.55	130.72			173.41	132.40			176.86	132.44
157.25	131.00			183.22	132.58			187.26	132.57
170.45	131.48			191.67	132.78			197.72	132.83
179.93	131.77			198.94	132.93			208.52	133.03
189.74	131.97			204.92	133.03			216.67	132.94
195.32	132.10			210.21	133.12			224.88	133.07
202.27	132.24			220.43	133.25			231.99	133.22
212.67	132.33			231.51	133.35			242.67	133.30
221.87	132.38			238.87	133.49			254.23	133.50
231.45	132.44			249.35	133.55			264.54	133.54
238.90	132.49			260.56	133.41			272.29	133.57
248.73	132.55			271.40	133.18			282.70	133.51
260.25	132.61			281.94	133.29			292.60	133.53
271.25	132.61			292.45	133.29			301.89	133.56
281.16	132.56			302.82	133.41			311.22	133.55
288.59	132.46			313.37	133.41			320.25	133.60
300.33	132.38			323.67	133.31			330.59	133.54
307.64	132.31			329.32	133.19			340.22	133.54
315.74	132.27			334.72	133.09			351.42	133.42
324.00	132.23			341.41	132.91			361.33	133.12
332.37	132.21			349.45	132.84			370.88	133.02
340.09	132.20			361.63	132.66			378.17	132.75
346.27	132.17			372.50	132.40			388.62	132.47
359.15	132.14			382.05	132.25			402.24	132.19
369.80	132.42			392.73	132.15			412.24	132.05
377.91	132.28			402.48	132.03			422.07	131.88
385.97	132.34			412.15	132.10			432.71	131.95
394.47	132.35			417.93	132.14			439.64	132.00
405.15	132.56			426.69	132.17			448.59	132.00
413.42	132.42			435.98	132.15			454.28	131.91
422.90	132.41			441.94	132.24			461.48	131.75
433.62	132.57			449.88	132.21			472.92	131.63
442.72	132.75			457.48	132.32			478.23	131.62
451.72	133.00			467.76	132.50			484.61	131.61

斷面成果表

HC06		HC07		HC07		HC08		HC08	
累距	高程	累距	高程	累距	高程	累距	高程	累距	高程
493.41	131.97	0.00	136.67	505.87	131.49	0.00	142.99	516.55	133.00
500.74	132.56	3.15	136.22	513.18	132.37	4.84	135.25	523.92	133.83
512.23	133.20	5.08	135.00	522.52	133.00	8.64	134.00	534.86	133.97
521.32	133.34	8.44	134.00	527.82	133.30	12.54	132.75	543.80	133.92
532.19	133.78	11.75	133.00	533.08	133.59	15.27	131.59	552.54	134.21
541.23	133.96	15.10	132.00	543.85	133.96	18.58	130.00	563.09	134.57
549.16	134.17	18.40	131.00	550.20	134.00	23.13	129.00	571.62	134.71
556.99	134.39	27.56	129.46	558.60	134.28	29.05	129.20	577.55	135.00
569.94	134.89	34.16	129.00	563.73	134.37	36.76	129.34	593.68	135.66
583.09	135.50	44.26	128.70	569.29	134.46	47.49	129.55	598.81	135.91
594.89	136.00	51.64	128.76	583.49	135.00	57.58	129.90	605.20	136.28
606.82	136.87	58.12	129.00	589.31	135.28	66.83	130.00	612.89	136.69
620.55	137.47	63.83	129.19	604.61	135.95	75.41	130.46	622.57	137.40
627.22	137.76	74.55	129.40	609.81	136.41	85.67	130.83	635.84	138.00
637.43	137.98	86.07	129.72	623.25	137.00	95.51	131.00	641.25	138.12
640.35	139.00	92.47	130.00	632.53	137.39	105.01	131.34	646.94	139.90
643.48	140.75	104.78	130.40	643.35	137.94	115.78	131.92	649.55	141.31
645.30	141.88	113.69	130.81	649.06	138.18	123.59	132.27	651.37	142.48
647.08	143.00	121.70	131.41	652.78	139.22	132.30	132.52	653.42	143.78
648.64	144.01	128.57	131.87	654.93	140.53	143.47	132.58	654.09	144.21
E		134.89	132.05	657.44	142.00	156.06	132.34	E	
		143.76	132.15	658.96	143.00	161.69	131.97		
		153.85	132.38	660.50	144.05	167.34	132.00		
		163.32	132.34	E		172.62	132.24		
		171.96	132.25			180.27	132.22		
		181.10	132.50			190.92	132.21		
		191.12	132.76			201.23	132.20		
		201.65	132.88			211.30	132.22		
		211.68	132.81			221.17	132.27		
		219.89	132.76			230.89	132.43		
		229.74	132.81			240.64	132.73		
		241.12	132.86			250.32	132.57		
		254.74	133.00			260.16	132.70		
		261.45	133.03			269.83	132.65		
		275.33	133.16			279.76	132.86		
		285.07	133.24			286.56	132.83		
		290.69	133.18			299.69	132.86		
		303.45	133.28			308.35	132.94		
		312.75	133.31			316.97	133.01		
		322.89	133.39			326.09	132.96		
		332.45	133.54			338.66	133.18		
		343.09	133.40			348.18	133.15		
		350.36	133.24			357.95	132.74		
		363.02	133.19			366.95	132.45		
		368.86	133.00			376.85	132.34		
		379.68	132.90			388.40	132.26		
		391.02	132.70			399.36	132.09		
		401.27	132.43			408.76	132.00		
		411.31	132.27			419.15	131.97		
		423.26	132.05			429.63	131.30		
		432.24	131.90			440.72	131.08		
		442.38	131.82			448.50	131.02		
		451.36	131.80			455.43	131.09		
		462.49	131.37			463.63	130.63		
		470.43	131.30			472.80	130.97		
		480.36	131.00			482.65	131.28		
		486.05	130.86			488.38	130.83		
		491.98	131.00			497.53	131.43		
		500.38	131.18			506.58	132.47		

斷面成果表

HC09		HC09		HC10		HC10		HC11	
累距	高程	累距	高程	累距	高程	累距	高程	累距	高程
0.00	136.72	482.59	131.94	0.00	136.71	511.38	133.55	0.00	143.36
1.20	137.16	489.56	132.57	1.83	137.01	522.35	133.77	2.09	137.00
3.79	136.07	498.94	132.99	5.38	135.13	534.19	134.83	4.74	136.00
5.02	135.00	507.35	133.16	9.16	134.00	549.85	136.11	7.15	135.00
7.48	134.00	512.42	133.26	12.75	132.96	559.28	136.27	8.90	134.00
9.70	133.00	522.97	133.83	17.93	132.05	572.19	136.97	10.89	133.00
11.79	132.00	528.12	133.91	23.07	131.49	580.01	138.00	14.31	131.56
14.01	131.00	536.27	133.91	35.19	131.19	587.06	139.00	18.73	130.56
17.04	130.00	541.72	134.17	43.82	131.00	590.46	140.00	26.56	131.70
20.75	129.00	550.18	134.55	50.85	130.60	592.87	141.00	37.88	131.30
26.02	129.00	559.42	135.00	58.49	130.49	595.36	142.00	46.89	130.21
33.69	130.00	566.64	135.36	63.61	130.34	597.85	143.00	56.42	130.57
39.08	130.28	579.57	136.08	73.08	130.31	601.32	144.37	62.56	130.58
49.09	130.60	586.72	136.42	83.19	130.72	E		71.96	131.00
58.58	130.40	593.02	136.64	91.75	131.28			79.45	130.94
68.88	130.59	598.54	136.87	101.65	131.55			84.50	131.07
81.25	130.36	605.98	137.25	113.07	131.79			90.87	131.32
92.70	130.40	616.69	137.91	120.83	132.19			100.65	131.81
101.74	130.82	625.09	138.27	128.09	132.37			105.70	132.05
108.06	131.34	627.72	139.41	138.20	132.43			111.84	132.16
117.55	132.00	631.93	141.00	150.09	132.62			120.23	132.38
130.19	132.62	635.39	142.91	159.60	132.10			128.45	132.33
141.46	132.67	637.87	144.10	168.47	131.72			139.46	132.22
151.95	132.30	E		179.23	131.89			149.63	132.45
159.70	131.88			186.09	132.00			157.36	132.63
166.89	131.88			193.19	132.18			163.20	132.00
173.62	131.91			202.34	132.18			168.59	131.52
183.61	132.12			212.78	132.28			176.66	131.56
188.70	132.21			225.09	132.39			189.99	131.59
198.85	132.36			230.85	132.46			201.66	131.67
210.74	132.50			242.71	132.59			207.28	131.84
220.95	132.61			251.33	132.74			212.63	132.00
231.06	132.56			260.23	132.70			222.85	132.24
241.26	132.56			269.14	132.77			236.36	132.45
247.34	132.70			275.33	132.78			244.50	132.58
261.50	132.84			282.47	132.85			252.72	132.55
271.52	132.92			290.89	133.00			260.86	132.67
282.22	133.01			296.15	133.00			268.90	132.73
291.79	133.03			301.37	132.96			276.68	132.71
301.88	132.90			313.35	132.78			285.09	132.74
310.94	133.13			321.42	132.72			295.69	132.74
319.06	133.00			332.23	132.86			305.26	132.87
327.51	132.93			343.43	132.84			315.46	132.95
340.95	132.93			353.10	132.67			325.65	132.93
351.73	132.67			361.49	132.27			331.78	132.74
361.86	132.62			372.21	131.95			340.12	132.47
372.30	132.49			378.58	131.67			348.16	132.10
382.36	132.28			392.39	130.86			355.80	131.59
391.37	132.07			401.22	130.50			363.33	131.28
399.94	131.86			412.05	130.27			369.99	131.01
411.01	131.50			422.45	130.39			376.86	130.83
416.72	131.00			432.84	130.45			384.77	130.52
427.97	130.41			443.05	130.83			396.07	130.76
438.66	130.44			452.31	131.54			408.25	130.59
447.76	130.37			459.30	132.00			418.35	130.67
456.41	130.57			472.01	132.82			428.83	130.79
462.77	130.64			480.90	133.00			434.48	131.29
468.83	131.00			490.04	133.21			440.74	131.81
476.33	131.62			501.21	133.39			446.51	132.00

斷面成果表

HC11		HC12		HC12		HC13		HC13	
累距	高程	累距	高程	累距	高程	累距	高程	累距	高程
454.84	132.69	0.00	136.76	476.56	135.00	0.00	143.78	430.22	134.00
460.98	133.00	3.49	136.35	480.80	136.07	5.63	135.34	432.89	135.00
466.65	133.18	5.35	135.25	487.22	137.57	6.71	134.05	434.60	136.00
471.85	133.00	7.74	134.23	495.11	139.60	7.39	133.00	438.37	137.00
485.78	132.83	10.92	133.00	500.11	141.00	8.29	132.00	441.25	138.00
495.58	133.49	12.80	132.00	504.20	142.25	9.01	131.00	444.61	139.04
504.34	133.91	15.25	131.00	509.50	143.77	13.83	130.00	447.07	140.09
509.66	134.29	17.48	130.00	E		17.87	129.00	449.84	141.22
517.96	134.88	20.04	129.00			23.58	128.31	452.54	142.46
524.36	135.46	25.16	129.00			28.58	129.00	455.29	143.69
530.72	135.84	32.85	130.31			34.28	129.83	456.16	144.09
533.47	136.95	39.39	131.19			46.98	130.10	E	
535.76	138.00	47.71	131.16			52.82	129.87		
539.81	139.27	55.92	130.70			58.11	130.15		
541.67	140.32	69.52	130.51			63.80	131.00		
543.92	142.00	77.28	131.32			69.85	132.00		
544.69	143.00	87.31	131.93			75.90	132.96		
555.64	144.44	94.49	132.66			81.61	134.00		
557.06	144.61	99.92	133.22			90.79	134.24		
E		108.49	133.95			100.32	134.27		
		117.33	133.64			106.10	134.30		
		124.20	133.28			113.66	134.22		
		140.27	132.25			121.24	134.01		
		152.93	131.45			131.26	133.16		
		163.94	131.03			137.86	132.00		
		171.65	130.74			146.78	131.00		
		184.05	130.66			159.14	130.66		
		189.09	130.68			165.25	130.53		
		196.38	130.80			172.44	130.46		
		204.18	130.98			178.48	130.48		
		212.74	131.20			188.06	130.45		
		218.09	131.34			197.32	131.04		
		228.23	131.35			207.03	131.05		
		236.45	131.78			215.90	131.06		
		244.81	132.00			226.05	131.20		
		255.35	132.13			235.71	131.25		
		267.34	132.39			245.42	131.28		
		275.99	132.46			253.77	131.51		
		287.24	132.44			262.64	131.68		
		300.97	132.71			268.68	132.00		
		310.79	132.51			274.41	132.13		
		316.13	132.07			281.39	131.95		
		331.78	131.16			288.58	131.58		
		339.53	131.00			294.73	131.41		
		348.84	130.77			300.06	131.33		
		357.95	130.79			309.63	131.04		
		368.31	130.90			316.50	130.96		
		380.05	130.95			324.14	130.88		
		388.10	130.99			334.49	130.96		
		396.86	131.07			345.58	130.92		
		402.76	131.17			356.34	130.93		
		409.07	131.35			365.53	130.77		
		419.66	131.80			374.55	131.24		
		426.75	131.99			381.86	131.38		
		435.99	132.00			393.26	131.85		
		449.49	132.55			399.60	131.78		
		455.42	132.85			412.31	131.59		
		461.58	133.46			420.38	131.96		
		467.74	133.92			426.07	133.00		

斷面成果表

HC14		HC14		HC15		HC15		HC16	
累距	高程	累距	高程	累距	高程	累距	高程	累距	高程
0.00	136.77	413.78	142.00	0.00	136.97	386.83	139.00	0.00	139.03
4.63	135.54	415.15	143.00	5.01	136.68	388.43	140.00	5.63	138.00
6.57	134.37	416.50	144.00	9.49	135.00	389.73	141.00	10.48	137.00
9.66	133.00	417.86	145.00	10.56	134.00	390.94	142.00	12.76	135.72
11.30	132.00	418.24	145.29	12.31	133.00	392.15	143.00	13.48	134.70
13.74	131.00	E		13.81	132.00	393.35	144.00	15.41	133.65
16.62	130.00			15.26	131.00	394.52	145.00	17.77	132.00
24.78	129.02			16.90	130.00	396.13	144.32	19.29	131.00
29.78	129.00			24.20	129.00	E		20.83	130.00
37.07	129.16			30.37	128.36			23.34	128.60
44.39	129.16			35.45	129.07			25.82	127.00
54.90	130.99			41.51	129.92			26.84	126.00
59.90	132.00			47.72	131.00			28.96	125.00
64.75	133.00			55.06	131.07			34.51	125.24
72.73	133.50			60.23	131.63			37.97	126.51
80.16	134.00			67.28	132.72			42.79	127.77
89.88	134.21			73.05	133.00			48.22	129.00
95.87	134.26			82.24	133.03			49.91	130.00
103.59	134.31			87.68	132.95			60.82	130.82
112.37	134.23			95.52	132.96			70.01	131.22
122.49	134.05			102.07	132.99			77.80	131.81
131.73	134.18			107.77	132.99			86.34	131.54
138.67	134.06			112.89	133.00			95.44	131.32
147.32	133.00			118.30	132.98			106.38	131.05
154.22	131.67			124.19	132.91			116.42	130.90
165.21	130.10			132.52	132.87			123.51	130.52
173.32	129.87			140.98	132.68			131.82	130.13
184.27	129.85			150.27	132.99			139.26	129.69
191.09	129.96			156.75	133.14			154.03	129.17
196.35	130.11			163.81	133.12			164.64	128.72
203.05	130.39			169.06	133.04			175.18	128.46
209.02	130.92			175.41	132.00			185.77	128.54
219.84	131.71			183.32	131.00			196.43	128.55
227.41	131.96			193.25	130.80			203.94	129.26
233.89	132.18			199.53	130.74			209.56	129.82
239.68	132.43			208.69	130.93			216.53	130.25
249.00	132.39			216.49	131.02			221.76	130.53
257.94	132.51			225.22	130.87			228.87	130.88
264.37	132.00			232.73	131.17			234.49	131.05
275.39	131.40			244.60	131.83			243.65	131.00
285.78	131.21			253.24	131.44			249.70	130.98
299.84	131.15			262.00	131.16			255.65	131.00
310.10	131.20			270.64	131.29			261.20	131.13
317.38	131.00			281.61	131.27			271.04	131.39
325.57	130.91			289.98	131.67			281.90	131.24
334.56	131.00			298.79	131.75			293.15	130.39
346.71	131.46			307.22	131.89			300.94	130.00
357.12	131.88			315.44	131.58			308.86	129.99
368.25	131.39			326.24	131.90			317.43	130.30
376.94	131.45			335.24	131.75			322.63	130.38
385.91	131.36			345.56	131.38			328.86	131.53
395.39	131.80			355.50	131.57			334.07	131.94
398.87	133.00			363.70	131.59			344.21	132.06
401.45	134.00			373.43	131.44			349.54	131.95
403.09	135.00			377.65	133.00			353.13	133.01
405.17	136.39			379.33	134.00			357.60	134.90
407.97	138.00			381.11	135.00			359.19	136.17
409.99	139.26			383.64	136.81			361.62	137.88
411.76	140.52			385.40	138.00			363.24	139.00

斷面成果表

HC16		HC17		HC17		HC18		HC18	
累距	高程	累距	高程	累距	高程	累距	高程	累距	高程
364.73	140.00	0.00	144.92	341.56	132.00	0.00	144.99	347.19	141.00
366.16	141.00	2.52	144.20	345.55	133.00	1.89	145.00	348.10	142.00
367.83	142.45	4.09	143.12	350.71	133.52	2.79	144.00	349.61	143.00
369.43	144.00	5.73	142.00	353.54	134.65	4.73	143.00	351.78	144.00
370.47	145.00	7.72	141.00	355.64	135.83	7.39	141.76	356.10	145.00
371.43	145.94	8.79	139.96	357.76	136.96	9.74	140.73	357.61	146.00
E		18.78	139.26	358.32	138.00	18.00	139.39	359.08	147.00
		23.65	138.13	359.35	139.00	22.81	138.39	361.03	148.29
		25.08	137.00	360.83	140.00	27.56	137.03	363.19	147.35
		27.98	135.21	362.30	141.00	29.39	136.00	E	
		29.93	134.00	363.14	142.00	30.22	135.00		
		31.64	133.00	364.20	143.00	31.92	134.00		
		33.02	132.00	365.41	144.00	33.84	133.00		
		35.07	131.00	366.17	145.00	35.63	132.00		
		42.57	130.25	367.00	146.00	37.33	131.00		
		48.03	130.00	368.45	147.00	41.68	130.00		
		54.15	130.09	370.76	146.15	47.64	129.70		
		59.22	130.29	E		52.66	129.83		
		66.37	130.66			62.59	130.54		
		79.36	131.14			67.79	130.97		
		92.02	131.12			75.45	131.42		
		97.41	131.18			89.53	131.46		
		104.34	130.43			99.91	131.41		
		110.69	130.00			110.92	131.60		
		116.35	129.79			121.50	131.59		
		124.82	129.76			131.27	131.49		
		134.89	129.07			141.53	131.19		
		141.78	128.75			147.95	131.00		
		149.52	128.60			159.65	130.62		
		154.52	128.40			166.80	130.44		
		161.15	128.00			173.64	130.55		
		166.58	127.58			179.34	130.44		
		178.63	127.04			187.24	130.11		
		183.69	126.86			192.96	130.01		
		194.21	126.03			203.71	129.61		
		200.19	125.52			214.00	129.00		
		206.91	125.16			223.69	128.00		
		212.70	124.94			228.84	127.10		
		218.13	124.72			233.46	126.00		
		225.24	124.55			238.54	125.05		
		231.23	124.36			250.73	124.98		
		239.24	124.66			256.04	126.00		
		244.80	124.14			263.53	126.29		
		250.01	123.00			268.67	127.00		
		258.18	122.23			280.92	127.87		
		264.67	121.02			291.44	128.13		
		269.19	120.00			300.29	128.87		
		277.51	119.30			310.64	128.31		
		280.66	120.58			319.57	128.07		
		283.14	122.00			326.46	129.35		
		286.86	123.00			332.61	130.51		
		294.24	124.00			337.26	131.64		
		299.94	124.60			339.38	132.66		
		304.97	125.24			343.34	133.88		
		310.35	126.24			344.86	135.00		
		320.31	127.47			345.38	136.82		
		328.91	128.70			345.99	138.00		
		333.31	129.94			346.41	139.00		
		337.12	131.00			346.90	140.00		

斷面成果表

HC19		HC19		HC20		HC20		HC21	
累距	高程	累距	高程	累距	高程	累距	高程	累距	高程
0.00	146.33	344.99	136.79	0.00	144.99	342.28	138.86	0.00	144.94
2.65	145.00	346.86	138.00	2.01	145.41	344.45	140.00	2.22	141.48
3.90	144.00	348.94	139.29	3.26	144.24	346.08	141.06	4.48	140.34
5.24	143.00	350.80	140.88	4.88	143.18	347.34	142.18	9.23	138.50
6.60	142.00	352.19	142.00	6.69	142.00	348.58	143.27	12.73	137.00
8.19	141.00	354.63	143.77	8.22	141.00	349.82	144.34	14.81	136.00
9.69	140.00	356.12	145.00	9.66	140.00	351.51	145.85	17.29	135.00
11.32	139.00	356.89	146.00	11.19	139.00	352.39	146.14	20.09	134.00
13.28	137.80	357.45	146.32	13.05	137.92	E		22.67	133.00
15.08	136.77	E		15.23	136.59			25.70	132.00
17.39	135.00			17.07	135.22			29.33	131.00
18.93	134.00			18.94	134.00			37.28	129.03
20.45	133.00			20.74	132.98			42.73	128.00
21.95	132.00			25.72	131.31			48.53	128.45
23.89	130.59			29.23	130.14			58.83	129.00
32.72	129.13			33.90	131.26			64.69	129.12
38.03	129.00			46.68	131.58			70.56	129.45
44.89	128.98			57.21	131.10			80.07	130.50
56.17	130.00			66.38	131.91			90.81	131.80
64.18	130.14			75.82	131.64			100.84	131.17
69.34	130.40			84.53	131.83			110.10	131.60
75.57	131.00			89.54	132.00			118.31	132.09
88.08	131.79			96.08	132.01			133.31	131.84
93.64	132.00			101.76	131.50			144.04	131.90
100.60	132.41			109.60	130.52			154.76	132.24
108.39	132.48			114.96	130.00			163.38	132.51
116.90	132.56			125.58	129.62			173.60	132.59
127.12	132.74			136.97	129.45			182.60	132.61
136.77	132.51			143.49	129.11			192.61	132.68
145.59	132.22			154.04	128.95			202.57	132.18
151.06	131.96			161.27	128.65			213.70	131.34
157.60	131.64			166.88	128.25			219.93	130.99
163.64	131.40			176.37	128.00			231.51	130.05
171.03	131.25			187.08	128.62			236.54	130.00
176.37	131.15			192.85	129.00			241.32	129.00
182.81	131.09			198.22	129.46			246.44	127.45
190.06	130.00			207.46	129.46			256.81	128.00
197.12	129.00			215.18	129.43			265.91	127.94
201.80	128.00			224.33	129.47			279.22	127.75
205.35	127.00			233.65	129.73			288.58	127.30
211.08	126.00			240.43	130.43			295.62	127.31
218.31	126.00			250.98	130.60			300.64	127.42
223.90	126.10			259.59	129.86			308.85	128.73
235.00	126.99			265.60	128.70			314.70	129.37
241.75	128.00			272.83	128.00			320.68	129.74
248.32	128.97			285.79	127.84			323.75	130.99
255.05	129.17			290.95	128.30			325.97	132.00
263.41	129.32			299.35	128.48			328.66	133.63
269.40	129.42			309.00	128.89			330.29	134.83
274.93	129.54			314.92	128.89			331.25	136.00
285.54	129.54			321.34	128.98			332.74	137.00
296.38	129.44			328.99	130.00			334.32	138.00
312.65	130.00			331.27	131.00			335.77	139.00
320.70	130.52			333.15	132.00			337.75	140.00
327.55	130.96			334.83	133.00			339.34	141.00
333.98	132.00			335.86	134.00			340.74	142.00
340.55	133.07			336.89	135.00			341.82	143.00
342.39	134.55			338.41	136.22			342.90	144.00
343.60	135.75			340.02	137.23			343.97	145.00

斷面成果表

HC21		HC22		HC22		HC23		HC23	
累距	高程	累距	高程	累距	高程	累距	高程	累距	高程
345.04	146.00	0.00	145.01	326.98	136.94	0.00	144.92	297.22	121.00
345.30	146.24	1.22	140.63	328.65	138.06	2.21	139.77	298.48	122.00
E		6.34	138.73	331.41	139.99	7.23	138.90	299.14	123.00
		11.42	137.81	332.85	141.00	11.87	137.50	300.15	124.00
		13.95	136.46	334.26	142.00	17.60	135.00	301.41	125.00
		16.74	135.00	336.47	143.48	20.71	134.00	302.18	126.00
		19.58	134.00	338.10	144.58	23.80	133.00	303.35	127.00
		22.72	133.00	338.97	145.17	26.84	132.00	304.30	128.00
		24.56	132.00	E		31.63	131.00	305.85	129.00
		26.47	131.00			38.18	130.00	308.06	130.00
		28.69	130.00			41.64	129.00	311.34	131.00
		34.69	129.31			44.92	128.00	314.10	132.00
		40.73	128.47			50.34	126.50	315.62	133.00
		45.97	127.14			56.10	125.41	317.13	134.00
		50.12	126.12			62.16	124.96	318.71	135.00
		55.27	125.96			68.86	125.61	319.62	136.00
		61.18	126.00			72.73	127.00	321.52	137.28
		66.79	126.81			75.70	128.00	323.96	138.87
		74.85	127.52			81.99	128.57	325.41	140.00
		84.80	129.00			88.10	129.00	326.90	141.00
		92.43	129.66			93.29	129.00	328.39	142.00
		102.62	129.71			100.51	128.00	329.88	143.00
		111.69	130.38			104.84	127.00	331.37	144.00
		122.60	131.11			111.13	126.06	332.85	145.00
		131.85	130.71			118.07	125.30	333.34	145.33
		138.86	130.00			123.81	125.20	E	
		145.10	129.95			129.21	125.32		
		151.45	130.37			134.26	125.64		
		161.90	130.88			143.70	125.62		
		172.64	130.57			152.64	125.59		
		179.63	131.00			157.70	125.16		
		191.56	131.72			163.06	124.32		
		201.97	132.49			170.06	123.86		
		211.27	132.29			175.82	124.79		
		219.72	131.52			180.97	125.86		
		225.43	130.24			186.50	125.24		
		229.03	129.17			192.65	125.47		
		232.65	128.13			198.94	126.89		
		237.21	127.00			209.31	126.00		
		247.09	126.45			214.21	125.00		
		257.87	126.32			219.22	124.30		
		269.35	126.21			224.17	123.00		
		277.12	126.09			227.76	122.00		
		282.40	126.03			230.72	121.00		
		288.32	125.86			234.10	120.00		
		295.29	124.27			238.51	119.00		
		299.04	123.00			243.97	118.05		
		302.46	124.00			249.71	118.05		
		304.36	125.00			260.16	117.00		
		306.57	126.00			264.17	116.00		
		308.29	127.00			266.56	115.00		
		312.41	128.00			269.89	114.00		
		314.66	129.00			275.05	114.00		
		317.63	130.00			279.05	115.00		
		319.93	131.00			285.24	116.00		
		321.13	132.00			288.15	117.00		
		322.28	133.00			290.45	118.00		
		323.28	134.00			293.12	119.00		
		324.23	135.00			295.39	120.00		

斷面成果表

HC24		HC24		HC25		HC25		HC26	
累距	高程	累距	高程	累距	高程	累距	高程	累距	高程
0.00	140.46	262.47	110.00	0.00	144.62	266.83	112.00	0.00	144.94
5.89	139.15	264.24	111.00	2.20	143.56	269.02	113.00	2.31	144.00
11.74	138.00	269.73	112.00	4.26	142.54	270.38	114.00	4.27	143.00
14.25	137.00	274.42	113.00	6.70	141.30	272.13	115.00	5.91	142.00
16.97	135.40	275.35	114.00	9.31	140.00	273.28	116.00	7.77	140.99
20.17	134.00	276.15	115.00	11.13	139.00	279.22	116.36	9.32	139.97
22.86	133.00	277.15	116.00	12.87	138.00	284.70	116.81	11.72	138.54
26.11	132.00	277.90	117.00	14.82	136.83	286.68	118.00	13.64	137.39
29.54	131.00	278.87	118.00	17.35	135.53	287.86	119.00	16.71	135.37
32.71	130.00	279.71	119.00	20.14	134.46	288.88	120.00	19.42	134.27
36.60	129.00	280.52	120.00	23.25	133.00	289.73	121.00	22.89	133.00
42.89	128.11	281.36	121.00	25.77	132.00	290.47	122.00	25.57	132.00
47.89	127.18	282.27	122.00	28.87	131.00	291.50	123.00	28.18	131.00
55.36	127.00	284.17	123.00	33.68	130.00	292.38	124.00	31.38	130.00
61.96	128.00	285.86	124.00	39.87	129.57	293.16	125.00	38.50	129.00
66.99	128.27	288.74	125.00	45.71	130.04	294.14	126.00	44.93	128.40
70.31	127.00	290.72	126.00	51.64	129.29	295.18	127.00	48.78	126.85
71.33	126.00	293.73	127.00	56.80	128.25	297.41	128.76	52.00	125.47
72.36	125.00	297.15	128.00	63.51	127.00	299.25	129.90	54.67	124.00
73.38	124.00	302.81	128.92	66.62	126.00	300.98	131.00	57.39	122.81
74.96	122.43	304.77	130.00	69.96	125.00	302.42	132.00	65.38	122.97
76.35	121.00	306.71	131.00	76.54	124.00	304.11	133.00	70.39	122.00
77.46	120.00	308.90	132.44	79.95	123.00	305.54	134.00	76.40	121.00
84.57	120.00	310.78	133.45	84.36	121.71	306.74	135.00	79.93	120.00
91.63	121.00	311.99	134.90	88.08	120.65	307.92	136.01	84.31	119.00
96.85	122.00	313.47	136.35	93.85	119.05	309.67	137.51	86.38	118.00
99.40	123.11	315.02	137.36	99.13	118.00	312.65	139.42	89.19	117.00
103.02	125.00	316.86	138.43	105.23	117.71	314.20	140.53	91.90	116.00
104.85	126.13	318.65	139.67	115.83	117.54	315.84	141.70	95.84	115.00
114.63	125.31	320.95	141.00	124.74	117.79	317.59	143.00	100.57	114.00
120.57	124.00	322.54	142.00	138.48	118.46	318.95	144.00	103.62	113.00
129.95	123.62	324.06	143.00	145.25	118.59	320.14	145.00	108.94	112.53
135.13	123.30	325.97	144.23	154.17	118.80	321.40	146.00	114.34	111.92
139.28	122.19	327.29	145.67	160.21	119.00	321.88	146.36	121.00	111.42
143.09	121.00	327.43	145.81	166.48	119.42	E		126.45	110.94
148.71	120.00	E		172.56	119.81			132.62	110.31
152.64	119.00			177.58	120.00			137.63	109.46
162.43	119.28			182.91	120.68			147.29	109.06
171.82	119.59			191.63	120.89			156.27	109.19
179.72	119.91			197.47	119.67			165.82	109.61
191.06	120.99			203.50	118.14			171.38	111.00
200.22	120.33			205.57	117.04			178.61	112.00
207.74	119.61			207.28	116.00			192.06	112.70
215.23	118.31			210.64	115.00			201.73	112.72
220.58	117.00			212.95	114.00			211.23	112.48
223.22	116.00			215.72	113.00			220.45	111.32
225.85	115.00			218.35	112.00			229.34	110.32
228.49	114.00			221.11	111.00			235.16	109.00
231.57	113.00			224.07	110.00			242.07	108.92
234.76	112.00			228.02	109.00			248.13	110.00
238.66	111.00			234.01	108.00			251.60	111.84
241.23	110.00			240.44	107.50			252.99	113.00
244.49	109.00			246.35	106.10			254.34	114.00
247.43	108.00			252.24	105.95			255.48	115.00
250.51	107.00			259.26	107.00			256.71	116.00
253.75	106.00			261.07	108.00			257.90	117.00
257.76	107.00			263.06	109.00			258.96	118.00
259.12	108.00			264.07	110.00			260.48	119.00
260.49	109.00			265.30	111.00			261.53	120.00

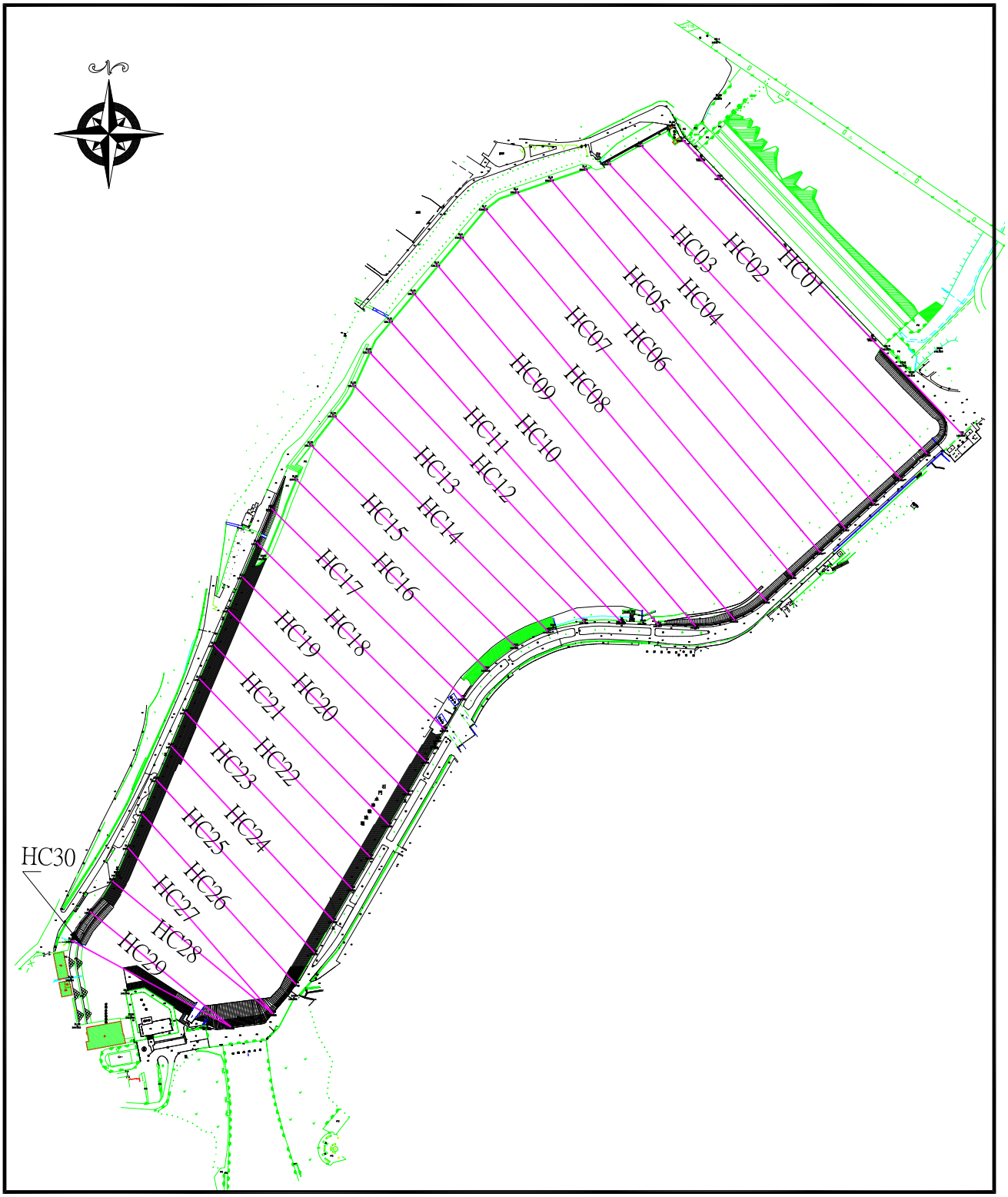
斷面成果表

HC26		HC27		HC27		HC28		HC28	
累距	高程	累距	高程	累距	高程	累距	高程	累距	高程
262.66	121.00	0.00	145.01	228.33	121.68	0.00	145.48	244.71	131.00
263.99	122.00	2.81	144.14	230.32	123.00	2.74	144.07	248.33	132.00
264.99	123.00	5.60	142.59	231.64	124.00	4.12	143.00	253.17	133.04
266.61	124.00	7.58	141.32	236.96	125.00	5.52	142.00	259.08	134.00
272.85	124.52	9.24	140.29	243.12	126.00	6.99	141.00	264.01	135.00
281.70	124.84	11.77	138.70	249.14	127.00	8.78	140.00	270.50	136.65
284.84	126.00	14.52	137.00	254.50	128.00	10.53	139.00	275.87	138.61
286.64	127.00	17.10	135.42	258.53	129.00	12.33	138.00	279.28	140.00
288.81	128.00	19.39	134.18	263.06	130.00	14.14	137.00	282.14	141.71
290.64	129.00	21.87	133.14	266.61	131.00	16.38	135.48	283.54	143.00
292.58	130.00	24.61	132.00	271.29	132.29	19.04	134.28	284.99	144.00
294.57	131.00	27.00	131.00	278.39	133.79	22.13	133.00	285.55	145.00
296.01	132.09	29.40	130.00	282.80	134.84	25.29	131.69	287.05	145.01
297.31	133.24	31.77	129.00	287.41	136.01	29.26	130.00	E	
298.56	134.43	34.33	128.00	291.00	137.46	31.10	129.00		
300.08	135.51	36.92	127.00	294.20	139.00	33.31	128.00		
302.36	136.89	39.52	126.00	296.23	140.00	35.44	127.00		
304.08	138.00	41.74	125.00	299.17	141.83	41.74	126.11		
305.68	139.00	43.85	124.00	300.38	143.00	43.26	125.00		
307.00	140.00	45.63	123.00	301.84	144.00	45.44	124.00		
308.46	141.00	47.70	122.00	302.40	145.00	47.13	123.00		
309.98	142.00	51.16	120.23	303.92	144.98	52.17	122.00		
311.69	143.00	53.05	119.20	E		57.18	122.00		
313.17	144.00	55.22	118.00			62.59	122.00		
314.43	145.00	56.90	117.00			68.63	122.14		
315.26	145.59	58.58	116.00			78.37	122.42		
E		60.26	115.00			87.73	121.00		
		69.94	114.25			92.75	120.00		
		81.21	114.48			98.18	119.00		
		86.50	114.83			101.84	118.00		
		94.22	115.58			108.09	117.07		
		99.33	115.52			113.46	116.00		
		108.97	115.16			115.68	115.00		
		114.34	114.98			120.97	115.00		
		119.99	114.66			128.88	115.23		
		129.16	113.49			135.04	114.64		
		135.49	112.91			140.88	114.47		
		140.75	112.76			147.41	114.90		
		146.58	111.60			152.46	115.97		
		151.66	110.25			158.09	115.68		
		157.73	109.15			165.94	114.48		
		163.04	108.23			171.43	114.05		
		169.15	109.00			178.12	113.86		
		174.33	109.00			184.76	113.86		
		177.30	110.00			190.94	114.77		
		180.49	111.00			194.29	116.00		
		182.87	112.00			196.50	117.00		
		186.02	113.00			198.85	118.00		
		191.72	113.20			200.88	119.00		
		197.72	113.00			202.64	120.00		
		204.86	112.22			204.35	121.00		
		210.50	113.00			206.05	122.00		
		213.65	114.00			207.75	123.00		
		216.45	115.00			209.29	124.00		
		219.05	116.00			211.46	125.00		
		221.25	117.00			218.29	126.00		
		223.43	118.00			229.14	127.52		
		225.08	119.40			236.12	129.00		
		226.78	120.47			240.30	130.00		

斷面成果表

HC29		HC29		HC30		HC30			
累距	高程	累距	高程	累距	高程	累距	高程		
0.00	145.39	223.83	138.00	0.00	145.66	201.24	135.00		
2.49	144.29	227.05	139.00	4.01	144.00	202.83	136.00		
4.51	143.00	233.16	140.20	6.29	143.00	209.01	137.52		
6.33	141.75	239.31	141.51	8.05	142.00	214.64	138.00		
8.24	140.43	245.49	143.00	9.58	141.00	218.49	139.00		
11.82	139.35	251.02	145.02	11.10	140.00	225.77	140.00		
13.95	138.03	E		12.70	139.00	231.17	141.00		
15.56	137.02			14.37	138.00	241.91	142.72		
17.25	136.00			16.12	137.00	250.08	143.90		
18.72	135.00			17.96	135.99				
20.97	134.00			20.26	134.70				
23.29	133.00			23.82	133.49				
24.99	132.00			26.65	132.31				
26.32	131.00			30.71	131.03				
27.40	130.00			32.90	130.00				
28.76	129.00			39.89	130.00				
30.25	128.00			45.24	130.82				
31.42	127.00			50.90	130.00				
32.75	126.00			55.19	129.00				
36.00	125.00			57.39	128.00				
42.81	125.00			59.87	127.00				
48.12	125.51			63.12	126.00				
53.20	126.68			65.15	125.00				
60.63	125.00			67.23	124.00				
63.04	124.00			69.31	123.00				
66.03	123.00			72.24	122.00				
70.52	122.00			75.61	123.00				
72.80	121.00			77.25	124.00				
81.42	120.67			78.82	125.00				
87.31	120.00			79.65	126.00				
92.60	119.19			80.51	127.00				
99.45	118.16			80.68	128.00				
105.18	119.00			80.80	129.00				
109.69	120.00			80.91	130.00				
112.03	121.00			81.04	131.00				
113.45	122.00			81.19	132.00				
115.25	123.00			81.37	133.00				
116.70	124.00			81.57	134.00				
118.12	125.00			81.74	135.00				
119.85	126.00			81.93	136.92				
123.19	127.00			81.95	137.92				
128.80	128.00			82.27	138.93				
136.06	128.77			89.05	139.07				
141.95	130.00			96.36	139.16				
145.51	131.00			101.98	138.53				
148.28	132.00			112.47	138.49				
155.48	132.29			118.85	138.46				
162.25	132.30			126.86	138.25				
168.01	132.66			131.90	138.00				
177.67	132.58			142.46	137.32				
185.30	132.70			149.61	137.00				
190.70	132.44			156.14	136.86				
195.78	133.79			165.65	136.49				
198.26	132.21			171.13	136.54				
203.76	132.00			178.31	136.92				
205.61	133.00			183.32	136.62				
208.02	134.00			189.07	136.59				
210.74	135.00			193.37	135.55				
215.20	136.05			194.97	134.33				

後池堰斷面位置圖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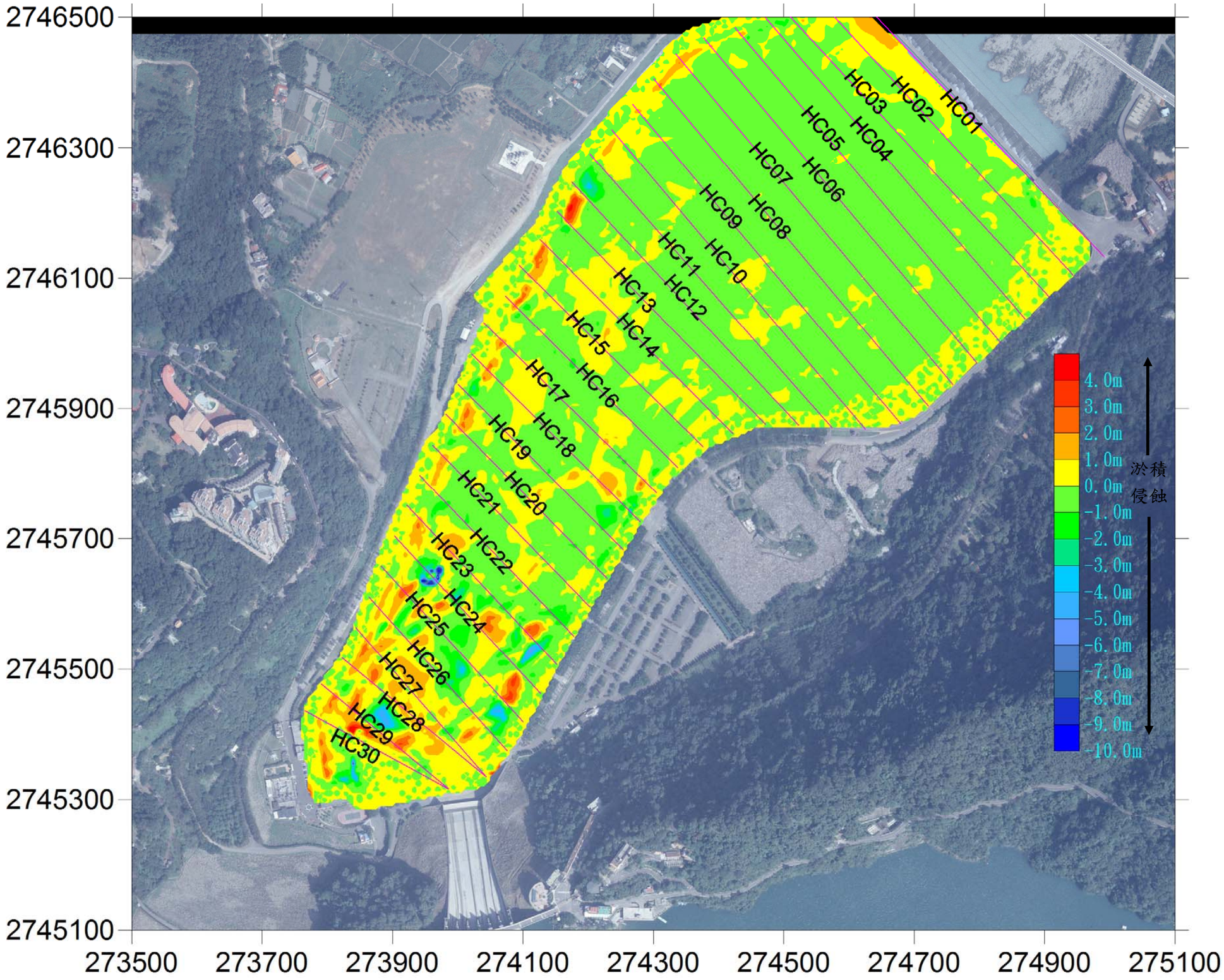

後池堰淤積、沖刷情形及斷面位置圖(98 年 12 月至 99 年 12 月)