



- GENERAL NOTES:**
1. ALL DIMENSIONS IN MILLIMETRES UNLESS SPECIFIED OTHERWISE.
 2. ALL ELEVATIONS IN METRES.
 3. DO NOT SCALE FROM DRAWINGS, USE DIMENSIONS AS SHOWN.

NOTES

SURVEY PARTY CHIEF RICHARD HEALEY
SURVEY VESSEL ALUMINUM BOAT
SURVEY DATE(S) BETWEEN SEPT. 21, 2011 & SEPT. 08, 2015
SOUNDER TYPE SINGLE TRANSDUCER
SOUNDER SETTING MIN/INST. VEL. OF SOUND 1520 m/s
DEPTH GATE USED N/A **FRE. OF TRANS.** 210 kHz
POSTIONING SYSTEM USED TRIMBLE RT GNSS DGPS (WITH OTF)
LAND SURVEY POSITION BY TRIMBLE RT GNSS DGPS (WITH OTF)
DATA TAPE/DCS(S) USED
OLD DRAWING FILE(S)
FILE REDUCTION SCHEME

OFFICE PROCESSOR EDDIE BEARNS
DATE OF PROCESSING SEPTEMBER 2015
MODE OF PLOTTING LEAST OF MINIMUM DEPTHS
WATER CELL WIDTH X LENGTH
REDUCTION OF WATER CELLS

CONTROL POINTS:	PL NAME	EASTING	NORTHING	CD ELEV	DESCRIPTION
R00111	208178.858	536021.483	23.852m		PROVINCIAL GOV'T. BRASS PLAQUE SET IN BEDROCK
R00112	207082.452	536037.485	12.545m		PROVINCIAL GOV'T. BRASS PLAQUE SET IN BEDROCK
PW1-1-2002	227047.254	536053.285	2.045m		BOLT CHAINED IN CONCRETE DECK
BM 1-2002	227044.254	536033.95	9.895m		ON TOP OF ARROW - ON FIRE HYDRANT WALL
BM 2-2002	227027.25	536050.15	2.51m		PROVINCIAL GOV'T. BRASS PLAQUE SET IN BEDROCK
BM 78507	229543.445	536078.422	27.650m		GEODETIC BRONZE TABLET SET IN CONCRETE
PW1-1-2003	229543.445	536078.422	2.475m		BOLT CHAINED IN CONCRETE SLAB

ALL SOUNDINGS & ELEVATIONS IN METRES.
ALL SOUNDINGS & ELEVATIONS REFERRED TO GEODETIC BM 78507 ELEV. +27.65 m
(ELEV. ADJUSTED TO CHART DATUM BY ADDING 0.55 m TO GEODETIC ELEV.)
(SEE GEODETIC BENCH MARK BOOK DESCRIPTIONS FOR A LOCATION OF BM.)

SOUNDINGS TAKEN USING NAVISOUND 210 ECHO SOUNDER AND POSITIONED BY TRIMBLE RT GNSS.
DIFFERENTIAL GPS POSITIONING SYSTEM BETWEEN SEPT. 11, 2011 & SEPT. 08, 2015 BY PHASE SURVEY CREW.
COORDINATES FOR HORIZONTAL CONTROL ARE GIVEN ON THE U.T.M. MAPPING
PLANE, ZONE 22, USING THE NORTH AMERICAN DATUM OF 1983 (NAD83).

SOUNDINGS WERE REDUCED BY HYPACK & RE-CHECKED FROM SOUNDING
SHEET BEFORE BEING CORRECTED FOR TIDE & BM CHECK CORRECTION.
SOUNDINGS WERE REDUCED USING HYPACK MAX VER. 2013.7A.
SPEED OF SOUND WAS OBTAINED BY "BAR CHECK" METHOD.

ALL FIELD NOTES ARE IN HAPPY ADVENTURE BOOK #324.

LEGEND

- | | |
|------------------|-----------------|
| STRUCTS | HYDRO |
| 10. ACQUACULTURE | 1. LAKE |
| 11. ARCHITECTURE | 2. LIFE RING |
| 12. BOLLARD | 3. LIFE FORWARD |
| 13. BULKHEAD | 4. MANGROVE |
| 14. BULKHEAD | 5. MANGROVE |
| 15. BULKHEAD | 6. MANGROVE |
| 16. BULKHEAD | 7. MANGROVE |
| 17. BULKHEAD | 8. MANGROVE |
| 18. BULKHEAD | 9. MANGROVE |
| 19. BULKHEAD | 10. MANGROVE |
| 20. BULKHEAD | 11. MANGROVE |
| 21. BULKHEAD | 12. MANGROVE |
| 22. BULKHEAD | 13. MANGROVE |
| 23. BULKHEAD | 14. MANGROVE |
| 24. BULKHEAD | 15. MANGROVE |
| 25. BULKHEAD | 16. MANGROVE |
| 26. BULKHEAD | 17. MANGROVE |
| 27. BULKHEAD | 18. MANGROVE |
| 28. BULKHEAD | 19. MANGROVE |
| 29. BULKHEAD | 20. MANGROVE |
| 30. BULKHEAD | 21. MANGROVE |
| 31. BULKHEAD | 22. MANGROVE |
| 32. BULKHEAD | 23. MANGROVE |
| 33. BULKHEAD | 24. MANGROVE |
| 34. BULKHEAD | 25. MANGROVE |
| 35. BULKHEAD | 26. MANGROVE |
| 36. BULKHEAD | 27. MANGROVE |
| 37. BULKHEAD | 28. MANGROVE |
| 38. BULKHEAD | 29. MANGROVE |
| 39. BULKHEAD | 30. MANGROVE |
| 40. BULKHEAD | 31. MANGROVE |
| 41. BULKHEAD | 32. MANGROVE |
| 42. BULKHEAD | 33. MANGROVE |
| 43. BULKHEAD | 34. MANGROVE |
| 44. BULKHEAD | 35. MANGROVE |
| 45. BULKHEAD | 36. MANGROVE |
| 46. BULKHEAD | 37. MANGROVE |
| 47. BULKHEAD | 38. MANGROVE |
| 48. BULKHEAD | 39. MANGROVE |
| 49. BULKHEAD | 40. MANGROVE |
| 50. BULKHEAD | 41. MANGROVE |
| 51. BULKHEAD | 42. MANGROVE |
| 52. BULKHEAD | 43. MANGROVE |
| 53. BULKHEAD | 44. MANGROVE |
| 54. BULKHEAD | 45. MANGROVE |
| 55. BULKHEAD | 46. MANGROVE |
| 56. BULKHEAD | 47. MANGROVE |
| 57. BULKHEAD | 48. MANGROVE |
| 58. BULKHEAD | 49. MANGROVE |
| 59. BULKHEAD | 50. MANGROVE |
| 60. BULKHEAD | 51. MANGROVE |
| 61. BULKHEAD | 52. MANGROVE |
| 62. BULKHEAD | 53. MANGROVE |
| 63. BULKHEAD | 54. MANGROVE |
| 64. BULKHEAD | 55. MANGROVE |
| 65. BULKHEAD | 56. MANGROVE |
| 66. BULKHEAD | 57. MANGROVE |
| 67. BULKHEAD | 58. MANGROVE |
| 68. BULKHEAD | 59. MANGROVE |
| 69. BULKHEAD | 60. MANGROVE |
| 70. BULKHEAD | 61. MANGROVE |
| 71. BULKHEAD | 62. MANGROVE |
| 72. BULKHEAD | 63. MANGROVE |
| 73. BULKHEAD | 64. MANGROVE |
| 74. BULKHEAD | 65. MANGROVE |
| 75. BULKHEAD | 66. MANGROVE |
| 76. BULKHEAD | 67. MANGROVE |
| 77. BULKHEAD | 68. MANGROVE |
| 78. BULKHEAD | 69. MANGROVE |
| 79. BULKHEAD | 70. MANGROVE |
| 80. BULKHEAD | 71. MANGROVE |
| 81. BULKHEAD | 72. MANGROVE |
| 82. BULKHEAD | 73. MANGROVE |
| 83. BULKHEAD | 74. MANGROVE |
| 84. BULKHEAD | 75. MANGROVE |
| 85. BULKHEAD | 76. MANGROVE |
| 86. BULKHEAD | 77. MANGROVE |
| 87. BULKHEAD | 78. MANGROVE |
| 88. BULKHEAD | 79. MANGROVE |
| 89. BULKHEAD | 80. MANGROVE |
| 90. BULKHEAD | 81. MANGROVE |
| 91. BULKHEAD | 82. MANGROVE |
| 92. BULKHEAD | 83. MANGROVE |
| 93. BULKHEAD | 84. MANGROVE |
| 94. BULKHEAD | 85. MANGROVE |
| 95. BULKHEAD | 86. MANGROVE |
| 96. BULKHEAD | 87. MANGROVE |
| 97. BULKHEAD | 88. MANGROVE |
| 98. BULKHEAD | 89. MANGROVE |
| 99. BULKHEAD | 90. MANGROVE |
| 100. BULKHEAD | 91. MANGROVE |
| 101. BULKHEAD | 92. MANGROVE |
| 102. BULKHEAD | 93. MANGROVE |
| 103. BULKHEAD | 94. MANGROVE |
| 104. BULKHEAD | 95. MANGROVE |
| 105. BULKHEAD | 96. MANGROVE |
| 106. BULKHEAD | 97. MANGROVE |
| 107. BULKHEAD | 98. MANGROVE |
| 108. BULKHEAD | 99. MANGROVE |
| 109. BULKHEAD | 100. MANGROVE |
| 110. BULKHEAD | 101. MANGROVE |
| 111. BULKHEAD | 102. MANGROVE |
| 112. BULKHEAD | 103. MANGROVE |
| 113. BULKHEAD | 104. MANGROVE |
| 114. BULKHEAD | 105. MANGROVE |
| 115. BULKHEAD | 106. MANGROVE |
| 116. BULKHEAD | 107. MANGROVE |
| 117. BULKHEAD | 108. MANGROVE |
| 118. BULKHEAD | 109. MANGROVE |
| 119. BULKHEAD | 110. MANGROVE |
| 120. BULKHEAD | 111. MANGROVE |
| 121. BULKHEAD | 112. MANGROVE |
| 122. BULKHEAD | 113. MANGROVE |
| 123. BULKHEAD | 114. MANGROVE |
| 124. BULKHEAD | 115. MANGROVE |
| 125. BULKHEAD | 116. MANGROVE |
| 126. BULKHEAD | 117. MANGROVE |
| 127. BULKHEAD | 118. MANGROVE |
| 128. BULKHEAD | 119. MANGROVE |
| 129. BULKHEAD | 120. MANGROVE |
| 130. BULKHEAD | 121. MANGROVE |
| 131. BULKHEAD | 122. MANGROVE |
| 132. BULKHEAD | 123. MANGROVE |
| 133. BULKHEAD | 124. MANGROVE |
| 134. BULKHEAD | 125. MANGROVE |
| 135. BULKHEAD | 126. MANGROVE |
| 136. BULKHEAD | 127. MANGROVE |
| 137. BULKHEAD | 128. MANGROVE |
| 138. BULKHEAD | 129. MANGROVE |
| 139. BULKHEAD | 130. MANGROVE |
| 140. BULKHEAD | 131. MANGROVE |
| 141. BULKHEAD | 132. MANGROVE |
| 142. BULKHEAD | 133. MANGROVE |
| 143. BULKHEAD | 134. MANGROVE |
| 144. BULKHEAD | 135. MANGROVE |
| 145. BULKHEAD | 136. MANGROVE |
| 146. BULKHEAD | 137. MANGROVE |
| 147. BULKHEAD | 138. MANGROVE |
| 148. BULKHEAD | 139. MANGROVE |
| 149. BULKHEAD | 140. MANGROVE |
| 150. BULKHEAD | 141. MANGROVE |
| 151. BULKHEAD | 142. MANGROVE |
| 152. BULKHEAD | 143. MANGROVE |
| 153. BULKHEAD | 144. MANGROVE |
| 154. BULKHEAD | 145. MANGROVE |
| 155. BULKHEAD | 146. MANGROVE |
| 156. BULKHEAD | 147. MANGROVE |
| 157. BULKHEAD | 148. MANGROVE |
| 158. BULKHEAD | 149. MANGROVE |
| 159. BULKHEAD | 150. MANGROVE |
| 160. BULKHEAD | 151. MANGROVE |
| 161. BULKHEAD | 152. MANGROVE |
| 162. BULKHEAD | 153. MANGROVE |
| 163. BULKHEAD | 154. MANGROVE |
| 164. BULKHEAD | 155. MANGROVE |
| 165. BULKHEAD | 156. MANGROVE |
| 166. BULKHEAD | 157. MANGROVE |
| 167. BULKHEAD | 158. MANGROVE |
| 168. BULKHEAD | 159. MANGROVE |
| 169. BULKHEAD | 160. MANGROVE |
| 170. BULKHEAD | 161. MANGROVE |
| 171. BULKHEAD | 162. MANGROVE |
| 172. BULKHEAD | 163. MANGROVE |
| 173. BULKHEAD | 164. MANGROVE |
| 174. BULKHEAD | 165. MANGROVE |
| 175. BULKHEAD | 166. MANGROVE |
| 176. BULKHEAD | 167. MANGROVE |
| 177. BULKHEAD | 168. MANGROVE |
| 178. BULKHEAD | 169. MANGROVE |
| 179. BULKHEAD | 170. MANGROVE |
| 180. BULKHEAD | 171. MANGROVE |
| 181. BULKHEAD | 172. MANGROVE |
| 182. BULKHEAD | 173. MANGROVE |
| 183. BULKHEAD | 174. MANGROVE |
| 184. BULKHEAD | 175. MANGROVE |
| 185. BULKHEAD | 176. MANGROVE |
| 186. BULKHEAD | 177. MANGROVE |
| 187. BULKHEAD | 178. MANGROVE |
| 188. BULKHEAD | 179. MANGROVE |
| 189. BULKHEAD | 180. MANGROVE |
| 190. BULKHEAD | 181. MANGROVE |
| 191. BULKHEAD | 182. MANGROVE |
| 192. BULKHEAD | 183. MANGROVE |
| 193. BULKHEAD | 184. MANGROVE |
| 194. BULKHEAD | 185. MANGROVE |
| 195. BULKHEAD | 186. MANGROVE |
| 196. BULKHEAD | 187. MANGROVE |
| 197. BULKHEAD | 188. MANGROVE |
| 198. BULKHEAD | 189. MANGROVE |
| 199. BULKHEAD | 190. MANGROVE |
| 200. BULKHEAD | 191. MANGROVE |
| 201. BULKHEAD | 192. MANGROVE |
| 202. BULKHEAD | 193. MANGROVE |
| 203. BULKHEAD | 194. MANGROVE |
| 204. BULKHEAD | 195. MANGROVE |
| 205. BULKHEAD | 196. MANGROVE |
| 206. BULKHEAD | 197. MANGROVE |
| 207. BULKHEAD | 198. MANGROVE |
| 208. BULKHEAD | 199. MANGROVE |
| 209. BULKHEAD | 200. MANGROVE |
| 210. BULKHEAD | 201. MANGROVE |
| 211. BULKHEAD | 202. MANGROVE |
| 212. BULKHEAD | 203. MANGROVE |
| 213. BULKHEAD | 204. MANGROVE |
| 214. BULKHEAD | 205. MANGROVE |
| 215. BULKHEAD | 206. MANGROVE |
| 216. BULKHEAD | 207. MANGROVE |
| 217. BULKHEAD | 208. MANGROVE |
| 218. BULKHEAD | 209. MANGROVE |
| 219. BULKHEAD | 210. MANGROVE |
| 220. BULKHEAD | 211. MANGROVE |
| 221. BULKHEAD | 212. MANGROVE |
| 222. BULKHEAD | 213. MANGROVE |
| 223. BULKHEAD | 214. MANGROVE |
| 224. BULKHEAD | 215. MANGROVE |
| 225. BULKHEAD | 216. MANGROVE |
| 226. BULKHEAD | 217. MANGROVE |
| 227. BULKHEAD | 218. MANGROVE |
| 228. BULKHEAD | 219. MANGROVE |
| 229. BULKHEAD | 220. MANGROVE |
| 230. BULKHEAD | 221. MANGROVE |
| 231. BULKHEAD | 222. MANGROVE |
| 232. BULKHEAD | 223. MANGROVE |
| 233. BULKHEAD | 224. MANGROVE |
| 234. BULKHEAD | 225. MANGROVE |
| 235. BULKHEAD | 226. MANGROVE |
| 236. BULKHEAD | 227. MANGROVE |
| 237. BULKHEAD | 228. MANGROVE |
| 238. BULKHEAD | 229. MANGROVE |
| 239. BULKHEAD | 230. MANGROVE |
| 240. BULKHEAD | 231. MANGROVE |
| 241. BULKHEAD | 232. MANGROVE |
| 242. BULKHEAD | 233. MANGROVE |
| 243. BULKHEAD | 234. MANGROVE |
| 244. BULKHEAD | 235. MANGROVE |
| 245. BULKHEAD | 236. MANGROVE |
| 246. BULKHEAD | 237. MANGROVE |
| 247. BULKHEAD | 238. MANGROVE |
| 248. BULKHEAD | 239. MANGROVE |
| 249. BULKHEAD | 240. MANGROVE |
| 250. BULKHEAD | 241. MANGROVE |
| 251. BULKHEAD | 242. MANGROVE |
| 252. BULKHEAD | 243. MANGROVE |
| 253. BULKHEAD | 244. MANGROVE |
| 254. BULKHEAD | 245. MANGROVE |
| 255. BULKHEAD | 246. MANGROVE |
| 256. BULKHEAD | 247. MANGROVE |
| 257. BULKHEAD | 248. MANGROVE |
| 258. BULKHEAD | 249. MANGROVE |
| 259. BULKHEAD | 250. MANGROVE |
| 260. BULKHEAD | 251. MANGROVE |
| 261. BULKHEAD | 252. MANGROVE |
| 262. BULKHEAD | 253. MANGROVE |
| 263. BULKHEAD | 254. MANGROVE |
| 264. BULKHEAD | 255. MANGROVE |
| 265. BULKHEAD | 256. MANGROVE |
| 266. BULKHEAD | 257. MANGROVE |
| 267. BULKHEAD | 258. MANGROVE |
| 268. BULKHEAD | 259. MANGROVE |
| 269. BULKHEAD | 260. MANGROVE |
| 270. BULKHEAD | 261. MANGROVE |
| 271. BULKHEAD | 262. MANGROVE |
| 272. BULKHEAD | 263. MANGROVE |
| 273. BULKHEAD | 264. MANGROVE |
| 274. BULKHEAD | 265. MANGROVE |
| 275. BULKHEAD | 266. MANGROVE |
| 276. BULKHEAD | 267. MANGROVE |
| 277. BULKHEAD | 268. MANGROVE |
| 278. BULKHEAD | 269. MANGROVE |
| 279. BULKHEAD | 270. MANGROVE |
| 280. BULKHEAD | 271. MANGROVE |
| 281. BULKHEAD | 272. MANGROVE |
| 282. BULKHEAD | 273. MANGROVE |
| 283. BULKHEAD | 274. MANGROVE |
| 284. BULKHEAD | 275. MANGROVE |
| 285. BULKHEAD | 276. MANGROVE |
| 286. BULKHEAD | 277. MANGROVE |
| 287. BULKHEAD | 278. MANGROVE |
| 288. BULKHEAD | 279. MANGROVE |
| 289. BULKHEAD | 280. MANGROVE |
| 290. BULKHEAD | 281. MANGROVE |
| 291. BULKHEAD | 282. MANGROVE |
| 292. BULKHEAD | 283. MANGROVE |
| 293. BULKHEAD | 284. MANGROVE |
| 294. BULKHEAD | 285. MANGROVE |
| 295. BULKHEAD | 286. MANGROVE |
| 296. BULKHEAD | 287. MANGROVE |
| 297. BULKHEAD | 288. MANGROVE |
| 298. BULKHEAD | 289. MANGROVE |
| 299. BULKHEAD | 290. MANGROVE |
| 300. BULKHEAD | 291. MANGROVE |
| 301. BULKHEAD | 292. MANGROVE |
| 302. BULKHEAD | 293. MANGROVE |
| 303. BULKHEAD | 294. MANGROVE |
| 304. BULKHEAD | 295. MANGROVE |
| 305. BULKHEAD | 296. MANGROVE |
| 306. BULKHEAD | 297. MANGROVE |
| 307. BULKHEAD | 298. MANGROVE |
| 308. BULKHEAD | 299. MANGROVE |
| 309. BULKHEAD | 300. MANGROVE |
| 310. BULKHEAD | 301. MANGROVE |
| 311. BULKHEAD | 302. MANGROVE |
| 312. BULKHEAD | 303. MANGROVE |
| 313. BULKHEAD | 304. MANGROVE |
| 314. BULKHEAD | 305. MANGROVE |
| 315. BULKHEAD | 306. MANGROVE |
| 316. BULKHEAD | 307. MANGROVE |
| 317. BULKHEAD | 308. MANGROVE |
| 318. BULKHEAD | 309. MANGROVE |
| 319. BULKHEAD | 310. MANGROVE |
| 320. BULKHEAD | 311. MANGROVE |
| 321. BULKHEAD | 312. MANGROVE |
| 322. BULKHEAD | 313. MANGROVE |
| 323. BULKHEAD | 314. MANGROVE |
| 324. BULKHEAD | 315. MANGROVE |
| 325. BULKHEAD | 316. MANGROVE |
| 326. BULKHEAD | 317. MANGROVE |
| 327. BULKHEAD | 318. MANGROVE |
| 328. BULKHEAD | 319. MANGROVE |
| 329. BULKHEAD | 320. MANGROVE |
| 330. BULKHEAD | 321. MANGROVE |
| 331. BULKHEAD | 322. MANGROVE |
| 332. BULKHEAD | 323. MANGROVE |
| 333. BULKHEAD | 324. MANGROVE |
| 334. BULKHEAD | 325. MANGROVE |
| 335. BULKHEAD | 326. MANGROVE |
| 336. BULKHEAD | 327. MANGROVE |
| 337. BULKHEAD | 328. MANGROVE |
| 338. BULKHEAD | 329. MANGROVE |
| 339. BULKHEAD | 330. MANGROVE |
| 340. BULKHEAD | 331. MANGROVE |
| 341. BULKHEAD | 332. MANGROVE |
| 342. BULKHEAD | 333. MANGROVE |
| 343. BULKHEAD | 334. MANGROVE |
| 344. BULKHEAD | 335. MANGROVE |
| 345. BULKHEAD | 336. MANGROVE |
| 346. BULKHEAD | 337. MANGROVE |
| 347. BULKHEAD | 338. MANGROVE |
| 348. BULKHEAD | 339. MANGROVE |
| 349. BULKHEAD | 340. MANGROVE |
| 350. BULKHEAD | 341. MANGROVE |
| 351. BULKHEAD | 342. MANGROVE |
| 352. BULKHEAD | 343. MANGROVE |
| 353. BULKHEAD | 344. MANGROVE |
| 354. BULKHEAD | 345. MANGROVE |
| 355. BULKHEAD | 346. MANGROVE |
| 356. BULKHEAD | 347. MANGROVE |
| 357. BULKHEAD | 348. MANGROVE |
| 358. BULKHEAD | 349. MANGROVE |
| 359. BULKHEAD | 350. MANGROVE |
| 360. BULKHEAD | 351. MANGROVE |
| 361. BULKHEAD | 352. MANGROVE |
| 362. BULKHEAD | 353. MANGROVE |
| 363. BULKHEAD | 354. MANGROVE |
| 364. BULKHEAD | 355. MANGROVE |
| 365. BULKHEAD | 356. MANGROVE |
| 366. BULKHEAD | 357. MANGROVE |
| 367. BULKHEAD | 358. MANGROVE |
| 368. BULKHEAD | 359. MANGROVE |
| 369. BULKHEAD | 360. MANGROVE |
| 370. BULKHEAD | 361. MANGROVE |
| 371. BULKHEAD | 362. MANGROVE |
| 372. BULKHEAD | 363. MANGROVE |
| 373. BULKHEAD | 364. MANGROVE |
| 374. BULKHEAD | 365. MANGROVE |
| 375. BULKHEAD | 366. MANGROVE |
| 376. BULKHEAD | 367. MANGROVE |
| 377. BULKHEAD | 368. MANGROVE |
| 378. BULKHEAD | 369. MANGROVE |
| | |