

BATHYMETRICAL SURVEY
OF THE
FRESH WATER LOCHS
OF
SCOTLAND

UNDER THE DIRECTION OF
SIR JOHN MURRAY, K.C.B., F.R.S.
AND
LAURENCE PULLAR, F.R.S.E.

VOL. IV.
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BATHYMETRICAL SURVEY
OF THE
SCOTTISH FRESH-WATER LOCHS

Report on the Scientific Results

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OF THE

SCOTTISH FRESH-WATER LOCHS

CONDUCTED UNDER THE DIRECTION OF

SIR JOHN MURRAY
K.C.B., F.R.S., D.Sc., Etc.

AND

LAURENCE PULLAR
F.R.S.E., F.R.G.S.

DURING THE YEARS 1897 TO 1909

Report on the Scientific Results

VOLUME IV

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Dedicated
TO THE MEMORY OF
FREDERICK PATTISON PULLAR
WHO WAS DROWNED
WHILE ATTEMPTING TO SAVE THE LIVES OF OTHERS
ON 15TH FEBRUARY 1901
AT THE AGE OF TWENTY-FIVE YEARS

*He took an active part in the initiation
of this systematic survey of the
Scottish Fresh-water Lochs*

PREFACE

THIS publication consists of six volumes, two of text and four of maps, and gives an account of the work done, of the observations recorded, and of most of the results obtained, during an investigation into the bathymetry of the fresh-water lochs or lakes of Scotland between the years 1897 and 1909.

Although the determination of the depths of the lakes, and of the general form of the basins in which they lie, made up the principal work of the Survey, still a very large number of observations were carried out in other branches of the science of limnography. Many of these observations and the results were published from time to time, as the work proceeded, in scientific journals, while others now appear in print for the first time.

Volume I. consists for the most part of new matter. It includes numerous articles dealing with the general results of the researches from the topographical, geological, physical, chemical, and biological points of view, a comparison of Scottish lakes with lakes in other parts of the world, and various theoretical considerations. These articles have been written chiefly by gentlemen who have taken an active part in the field-work of the Survey. This volume also contains an extensive bibliography of books and special papers referring to lakes.

Volume II. contains the special descriptions of the lakes, the maps of which appear in Volumes III., IV., V., and VI. Throughout the text will be found numerous index-maps, showing the drainage areas of the districts in which the lochs are situated, together with other illustrations.

The bathymetrical maps have all appeared during the past eight years in the *Journal of the Royal Geographical Society* or in an extra publication of the same Society; and some of the maps have also been published in the

Magazine of the Royal Scottish Geographical Society. These maps consist of two series. In the first series (Volumes III. and IV.), the contours of depth in the lakes are shown in shades of blue, and the contours of the height of the surrounding land are shown in brown shades of colour; in the second series (Volumes V. and VI.), the contours of depth are shown in shades of blue, the brown shades on the land being omitted.

In addition to the bathymetrical maps, there are also a few maps showing the surface geology, the rainfall, and other physical features of some of the districts.

These maps have all been prepared and printed by Dr J. G. Bartholomew, and we desire to express our indebtedness to him for the care with which these have been produced, and for his assistance and advice in many directions. We are also indebted to Messrs G. Cornwall & Sons, Aberdeen, for their assistance and advice with regard to the binding of the maps, and to Messrs Neill & Co., Edinburgh, for their advice in connection with the letterpress.

We feel confident that the whole investigation has resulted in very substantial contributions to knowledge. Some of the observations—those regarding the temperature seiche, and the variation of the viscosity of the water with temperature, for example—throw much light on obscure oceanographical problems. Most of the observations could, with advantage, have been carried further, by means of improved instruments and methods suggested during the progress of the work, but it was found necessary to terminate the survey, at least in the meantime, and to review what had been accomplished. We are conscious of many shortcomings.

In conclusion, we tender our best thanks to all who have assisted us in carrying these investigations to a successful conclusion.

JOHN MURRAY.

LAURENCE PULLAR.

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STATISTICAL TABLES OF THE SCOTTISH FRESH-WATER LOCHS

(Surveyed during the years 1897 to 1909)

DURING the course of the Lake Survey work 562 of the Scottish fresh-water lochs were surveyed. These include all the principal lochs of the country, and a very large number of the smaller and less important ones. As a matter of fact, all lochs were surveyed on which boats could be found at the time the work was being carried out. To have included all the smaller highland and less accessible lochs and tarns would have very greatly increased the expense and the time involved. To transport a boat to many of the remote lochs in the Highlands would have entailed much labour and difficulty, not to speak of the objections of proprietors, keepers, and others, who do not wish to have grouse moors and deer forests disturbed at a time of the year when the lochs are most accessible.

The general results of the survey work are, however, in no way affected by these smaller lochs having been excluded, for a great many lochs have been surveyed in all districts of the country.

The following tables are intended to summarise the results which are given in detail in Volume II. of this Report.

Table I. shows the lakes arranged according to their lengths.

Table II. shows the lakes arranged according to their superficial areas.

Table III. shows the lakes arranged according to their maximum depths.

Table IV. shows the lakes arranged according to their mean depths.

Table V. shows the lakes arranged according to the volume of water in each.

Table VI. shows:—

- (a) The number of lakes surveyed in the various river basins ;
- (b) The number of soundings taken in the lakes of the various river basins ;

- (c) The volume of water in the lakes of the various river basins in millions of cubic feet ;
- (d) The superficial area of the lakes in the various river basins ;
- (e) The extent of the drainage area in the various river basins, together with the ratio of the drainage area to the superficial area of the lakes.

The information in Table VI. is extracted from the tables given in greater detail in the descriptions which will be found in Volume II. of this Report.

From this table it will be seen that 562 lochs have been surveyed, and that the number of soundings recorded on the maps of these lochs is 59,195. The actual number taken exceeds 60,000. The aggregate area of the water-surface is over 340 square miles, and therefore the average number of soundings per square mile of surface is 174.

The aggregate volume of water contained in these 562 lochs is estimated at about 1,015,814 millions of cubic feet, or nearly 7 cubic miles. The area drained by the lochs is about 6669 square miles, or about $19\frac{1}{2}$ times the area of the lochs.

TABLE I

FRESH-WATER LOCHS OF SCOTLAND (SOUNDED BY THE LAKE SURVEY)
ARRANGED ACCORDING TO LENGTH

Loch.	Length. Miles.	Loch.	Length. Miles.
1. Awe (Etive)	25·47	55. Beoraid	3·43
2. Ness	24·23	56. Dùn na Seilcheig	3·41
3. Lomond	22·64	57. Eilt	3·37
4. Shiel	17·40	58. na Meide	3·33
5. Shin	17·22	59. Avich	3·30
6. Tay	14·55	60. Stack	3·27
7. Ericht	14·50	61. Affric	3·20
8. Maree	13·46	62. Ossian	3·20
9. Arkaig	12·00	63. Skinaskink	3·16
10. Morar	11·68	64. Cliff	3·16
11. Lochy	9·78	65. Coir' an Fhearna	3·15
12. Rannoch	9·70	66. Bà (Mull)	3·04
13. Katrine	8·00	67. Obisary	3·03
14. Langavat (Lewis)	7·86	68. Merkländ	3·02
15. Laggan	7·04	69. St Mary's	3·02
16. Quoich	6·95	70. nan Cuinne	3·00
17. Fannich	6·92	71. Watten	3·00
18. Earn	6·46	72. Treallaval	2·90
19. Assynt	6·36	73. Càrn	2·76
20. Naver	6·18	74. Loyne (East)	2·75
21. Hope	6·13	75. Tummel	2·75
22. Eck	6·02	76. Suainaval	2·68
23. Fionn (Gruinard)	5·76	77. a' Bhraoin	2·66
24. Doon	5·64	78. Beinn a' Mheadhoin	2·64
25. Laidon	5·30	79. nan Eun (N. Uist)	2·63
26. Treig	5·10	80. Fadagoa	2·60
27. Luichart	5·05	81. Garry (Tay)	2·55
28. Garry (Ness)	4·90	82. Strom	2·54
29. Mhor	4·84	83. Tulla	2·50
30. Harray	4·84	84. Talla	2·47
31. Ken	4·62	85. Fionn (Kirkraig)	2·40
32. Frisa	4·50	86. nan Geireann (Mill)	2·39
33. Scadavay (East)	4·50	87. Calder	2·32
34. Laoghal	4·46	88. Morie	2·30
35. Clunie (Ness)	4·28	89. Ard	2·30
36. Mullardoch	4·16	90. Grunavat	2·26
37. More (Laxford)	4·11	91. Ruthven	2·26
38. Monar	4·10	92. Muick	2·22
39. Veyatie	4·05	93. Langavat (Benbecula)	2·20
40. Glass	4·03	94. Lochindorb	2·18
41. Expansions of River Dee	4·02	95. Bà (Tay)	2·15
42. Oich	4·02	96. Bad a' Ghaill	2·13
43. Vennachar	4·00	97. Boardhouse	2·03
44. Lubnaig	4·00	98. Grennoch	2·02
45. Damh (Torridon)	3·93	99. Dhùghaill (Carron)	2·02
46. Lurgain	3·87	100. Skebacleit	2·00
47. Scadavay (West)	3·80	101. Swannay	2·00
48. Stenness	3·79	102. Eilde Mòr	1·98
49. na Sheallag	3·74	103. Migdale	1·92
50. Fada (Ewe)	3·74	104. na Sàlach Uidhre	1·90
51. Leven	3·65	105. Urigill	1·86
52. Brora	3·53	106. Beannachan	1·85
53. Voil	3·50	107. Arienas	1·85
54. a' Chroisg	3·47	108. Achall	1·83

TABLE I—*continued*

Loch.	Length. Miles.	Loch.	Length. Miles.
109. na h-Earba (West)	1·80	169. Shurrery	1·28
110. Fada (N. Uist)	1·80	170. Harperrig	1·27
111. Woodhall	1·79	171. Buidhe (Fleet)	1·27
112. a' Bhealaich (Gairloch)	1·78	172. na h-Earba (East)	1·27
113. Thom	1·78	173. Hunder	1·26
114. Lyon	1·74	174. Kirbister	1·26
115. Freuchie	1·74	175. Bunacharan	1·26
116. na h-Oidheche	1·73	176. an t-Seilich	1·26
117. Castle Semple	1·72	177. Martnaham	1·26
118. Eye	1·72	178. Achray	1·25
119. an Daimh (Shin)	1·71	179. Rescobie	1·24
120. Baddanloch	1·70	180. Beannach (Inver)	1·24
121. Chon (Forth)	1·70	181. Urrahag	1·24
122. Nell	1·68	182. Loch	1·23
123. Trool	1·68	183. Droma	1·23
124. Heouravay	1·68	184. Dubh (Gruinard)	1·23
125. Leum a' Chlamhain	1·62	185. Muckle Water	1·21
126. Fiodhaig	1·61	186. an Gead	1·21
127. Heilen	1·60	187. Sloy	1·21
128. Olavat	1·60	188. Lowes (Tay)	1·20
129. Fad	1·60	189. Castle (Bladenoch)	1·20
130. Menteith	1·60	190. Inbhir	1·20
131. Ashie	1·60	191. Maberry	1·19
132. a' Bhealaich (Naver)	1·60	192. Dee	1·18
133. a' Bhaid-Luachraich	1·57	193. a' Bharpa	1·18
134. Creagach	1·57	194. Garbhaig	1·18
135. Owskeich	1·56	195. an Duin (Spey)	1·18
136. Gladhouse	1·56	196. Tralaig	1·16
137. an Dithreibh	1·55	197. an Stromore	1·15
138. Scamadale	1·54	198. na Leitreach	1·14
139. an Ruathair	1·54	199. Oban nam Fiadh	1·13
140. Garve	1·54	200. Sgamhain	1·12
141. a' Chlàir (Helmsdale)	1·53	201. Calavie	1·12
142. Fada (Gruinard)	1·52	202. Killin	1·12
143. Mochrum	1·50	203. nam Breac	1·12
144. a' Ghriama	1·50	204. an Eilein (Spey)	1·10
145. Threipmuir	1·50	205. Milton	1·10
146. Girlsta	1·48	206. Meiklie	1·10
147. Finlas	1·46	207. Auchenreoch	1·08
148. Poulary	1·46	208. Forfar	1·07
149. an Tomain	1·45	209. Crogavat	1·06
150. Caravat	1·45	210. Kinord	1·06
151. Lungard	1·44	211. Benachally	1·05
152. Dilate	1·43	212. a' Bhaillidh	1·04
153. an Dùin (N. Uist)	1·40	213. Turret	1·04
154. Cròcach	1·40	214. More Barvas	1·04
155. Gorm Loch Mòr	1·39	215. Gartmorn	1·04
156. Clair (Ewe)	1·38	216. Insh	1·03
157. Lintrathen	1·38	217. Moy	1·03
158. Black (Ryan)	1·36	218. Borralan	1·03
159. Strandavat	1·36	219. Pattack	1·03
160. a' Chuilinn (Conon)	1·35	220. Morlich	1·02
161. Iubhair	1·35	221. Tingwall	1·02
162. Kernsary	1·35	222. an Staca	1·02
163. Coulin (Ewe)	1·33	223. ic Colla	1·00
164. Kilbirnie	1·32	224. na Craobhaig	1·00
165. Spiggie	1·30	225. Vatandip	1·00
166. Hundland	1·30	226. Gainmheich (South)	1·00
167. Knockie	1·30	227. Wester	1·00
168. Loyne (West)	1·28	228. Drunkie	1·00

STATISTICAL TABLES

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TABLE I—continued

Loch.	Length. Miles.	Loch.	Length. Miles.
229. Arklet	1'00	289. na Creige Duibhe	0'80
230. Doine	1'00	290. na Moracha	0'80
231. an Lagain	1'00	291. Kindar	0'80
232. Skaill	0'98	292. Builg	0'80
233. Skene (Dee)	0'98	293. Kirk Dam	0'80
234. na Beinne Bàine	0'97	294. Crò Crìosdaig	0'80
235. Bodavat	0'96	295. Eela	0'79
236. Cùil na Sìthe	0'96	296. Chaluum	0'78
237. Daimh (Tay)	0'96	297. Skiach	0'78
238. Ailsh	0'95	298. Hempriggs	0'77
239. Cuil Airidh a' Flod	0'94	299. Lochrutton	0'77
240. Alvie	0'94	300. Airidh na Lie	0'76
241. Gryfe	0'94	301. Raoinavat	0'76
242. na Cuaich	0'94	302. Gelly	0'76
243. Con (Tay)	0'94	303. Lundie (Garry)	0'76
244. Dungeon	0'93	304. na Mòine Buige	0'76
245. Skealtar	0'93	305. Araich-Lin	0'75
246. Clousta	0'92	306. an Laig Aird	0'74
247. Dubh (Gairloch)	0'92	307. Davan	0'74
248. Nant	0'90	308. nam Breac Dearga	0'74
249. Tollie	0'90	309. Muckle Lunga	0'74
250. Hermidale	0'90	310. nan Deaspoirt	0'74
251. Huna	0'90	311. Bran	0'74
252. Bradan	0'90	312. Howie	0'74
253. Fitty	0'90	313. a' Ghobhainn	0'73
254. Peppermill	0'90	314. Druim Suardalain	0'73
255. North-house	0'90	315. na Lairige	0'73
256. Ochiltree	0'89	316. Stacsavat	0'72
257. White (Ryan)	0'88	317. an Draine	0'72
258. Ceò-Glas	0'88	318. Skeen (Annan)	0'72
259. Allt an Fhearna	0'88	319. Sguod	0'72
260. Eigheach	0'88	320. Broom	0'72
261. Achilty	0'87	321. Skerrow	0'70
262. Tankerness	0'86	322. na Bi	0'70
263. More (Thurso)	0'86	323. Eileach Mhic' ille Riabhaich	0'70
264. a' Bhaid Daraich	0'86	324. Teàrnait	0'70
265. Crombie Den	0'86	325. Syre	0'70
266. Lunn dà-Bhrà	0'86	326. Caol na Doire	0'70
267. Drumellie	0'86	327. Long	0'70
268. a' Mhuillin	0'84	328. nan Lann	0'70
269. Vaara	0'84	329. Carlingwark	0'70
270. Achanalt	0'84	330. Benisval	0'70
271. Callater	0'84	331. Bad an Sgalaig	0'69
272. Lowes (Tweed)	0'84	332. Spynie	0'69
273. Oban a' Chlachain	0'84	333. Tarff	0'69
274. Ussie	0'84	334. Tormasad	0'69
275. Lindores	0'84	335. Seil	0'68
276. Scarmclate	0'84	336. Ghuiragarstidh	0'68
277. Truid air Sgithiche	0'84	337. Baile a' Ghobhainn	0'68
278. a' Bhuird	0'84	338. Crunachan	0'68
279. na Moine	0'83	339. Rosebery	0'68
280. Castle (Annan)	0'83	340. Drummond	0'68
281. Braigh Horrisdale	0'82	341. Kennard	0'68
282. Ghuilbinn	0'82	342. Deoravat	0'68
283. na h-Achlaise	0'82	343. Clings	0'68
284. St John's	0'82	344. na h-Airidh Sléibhe	0'68
285. Awe (Inver)	0'82	345. Dornal	0'68
286. Giorra	0'82	346. Bogton	0'66
287. an Tuirc	0'81	347. Portmore	0'66
288. Linlithgow	0'80	348. an Eilein (Gairloch)	0'66

TABLE I—*continued*

Loch.	Length. Miles.	Loch.	Length. Miles.
349. a' Bhealaich (Alsh)	0·66	409. Whinyeon	0·56
350. Stormont	0·66	410. a' Chonnachair	0·56
351. Morsgail	0·66	411. an Nostarie	0·56
352. Dibadale	0·66	412. Whitefield	0·56
353. an t-Slagain	0·65	413. na Ceithir Eileana	0·56
354. Ordie	0·64	414. Sròn Smeur	0·56
355. Gleann a' Bhearraidh	0·64	415. Gown (South)	0·55
356. Grass	0·64	416. Moraig	0·55
357. Raonagail	0·64	417. Monzievaird	0·55
358. Sealbhag	0·64	418. Coire nam Meann	0·54
359. Bosquoy	0·64	419. Kilconquhar	0·54
360. Valtos	0·64	420. na Stainge	0·54
361. Beannach (Gruinard)	0·63	421. a' Mhiotailt	0·54
362. Arthur	0·63	422. Bruadale	0·54
363. Edgelaw	0·62	423. Asta	0·53
364. Bad a' Chrotha	0·62	424. Uanagan	0·52
365. Roer	0·62	425. Burga	0·52
366. Craggie	0·62	426. Allan	0·52
367. na Déighe fo Dheas	0·62	427. an Losgainn Mòr	0·52
368. Allt na h-Airbhe	0·62	428. Kemp	0·52
369. Doire nam Mart	0·62	429. Monk Myre	0·52
370. an Laghair	0·62	430. nan Druimnean	0·52
371. Dochart	0·62	431. Lochinvar	0·52
372. Fiart	0·62	432. Flugarth	0·52
373. an Tachdaidh	0·62	433. a' Buaille	0·52
374. Clunie (Tay)	0·62	434. na Coinnich	0·51
375. Urr	0·62	435. an Leòid	0·50
376. Dochard	0·62	436. an t-Seasgain	0·50
377. Seaslavat	0·62	437. Aithness	0·50
378. a' Chlachain (Lewis)	0·62	438. Balgavies	0·50
379. Black (Etive) (East)	0·62	439. Burntisland	0·50
380. nam Faoileag	0·62	440. Harperleas	0·50
381. Leitir Easaich	0·61	441. Eldrig	0·50
382. a' Choire	0·61	442. Littlester	0·50
383. Harelaw	0·60	443. Kilcheran	0·50
384. an Droighinn	0·60	444. na Doire Daraich	0·50
385. Leodsay	0·60	445. Tarruinn an Eithir	0·50
386. Isbister	0·60	446. na Sreinge	0·50
387. Burriland	0·60	447. Mhic' ille Riabhaich	0·49
388. Sabiston	0·60	448. Hosta	0·49
389. Snarravoe	0·60	449. Breaclaich	0·49
390. Ederline	0·60	450. Peerie	0·48
391. Àiridh na Ceardaich	0·60	451. a' Chlachain (Nairn)	0·48
392. Dhomhnuill Bhig	0·60	452. nan Eun (Ness)	0·48
393. an Iasgaich	0·59	453. Monikie (South)	0·48
394. Lochaber	0·59	454. Punds	0·48
395. Derculich	0·59	455. na Craige	0·48
396. Bhradain	0·58	456. a' Ghlinne Dorcha	0·47
397. nan Gabhar	0·58	457. Moor Dam	0·47
398. Phitiùlais	0·58	458. Lundie (Clunie)	0·46
399. Craiglush	0·58	459. Shechernich	0·46
400. Butterstone	0·58	460. Liath	0·46
401. Veiragvat	0·58	461. Essan	0·46
402. Derclach	0·58	462. Fithie	0·46
403. Soulseat	0·58	463. a' Phearsain	0·46
404. Gown (North)	0·57	464. nan Eun (Tay)	0·45
405. Black (Etive) (West)	0·56	465. a' Vullan	0·45
406. Black (Etive) (Mid)	0·56	466. Rae	0·44
407. White of Myrton	0·56	467. Holl	0·44
408. Dhùgaill (Torridon)	0·56	468. an Dùna	0·44

STATISTICAL TABLES

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TABLE I—*continued*

Loch.	Length. Miles.	Loch.	Length. Miles.
469. Brow	0'44	517. Brough	0'32
470. Lochnaw	0'44	518. Geal	0'32
471. Dallas	0'43	519. Kilchoan (Upper)	0'32
472. Mill	0'43	520. a' Chaoruinn	0'32
473. Dubh (Ailort)	0'43	521. Sior	0'32
474. Muck	0'42	522. na Garbh-Abhuinn Ard	0'32
475. Clickhimin	0'42	523. Kinghorn	0'31
476. Harrow	0'42	524. a' Chladhaich	0'31
477. Kirk	0'42	525. nan Losganan	0'30
478. Monikie (North)	0'42	526. Hightae Mill	0'30
479. Gamhna	0'42	527. Dubh-Mòr	0'30
480. Lochenbreck	0'42	528. Beag	0'30
481. na h-Ealaidh	0'42	529. Sand	0'29
482. na Claise Feàrna	0'42	530. Duartmore	0'29
483. nan Geireann	0'41	531. Clubbi Shuns	0'29
484. Lure	0'40	532. Hostigates	0'28
485. Sandy	0'40	533. Scoly	0'28
486. nan Garbh Chlachain	0'40	534. nan Ràth	0'28
487. Bhac	0'38	535. Black (Tay)	0'28
488. Brouster	0'38	536. Drumlamford	0'28
489. Fleet	0'38	537. nan Àuscot	0'27
490. Hoglinns	0'38	538. na Creige Léithe	0'27
491. Collaster	0'38	539. Cults	0'26
492. na Beiste	0'37	540. Skae	0'26
493. Marna	0'37	541. Cornish	0'26
494. Fyntalloch	0'37	542. Kirrieroch	0'26
495. Auchenchapel	0'37	543. Eion Mhic Alastair	0'25
496. Birka	0'36	544. na Beithe	0'25
497. Aboyne	0'36	545. an Dubh (Lochy)	0'24
498. na Garbh-Abhuinn	0'36	546. an Tairbeirt Stuaðhaich	0'23
499. Hoil	0'36	547. Magillie	0'22
500. Blairs	0'36	548. Tùtach	0'22
501. Gainmheich (North)	0'36	549. Crann	0'22
502. a' Bhainne	0'36	550. Setter	0'22
503. Kilchoan (Lower)	0'36	551. Pitlyal	0'21
504. Tilt	0'35	552. na Gealaich	0'21
505. Anna	0'35	553. Choire na Cloich	0'20
506. Aslaich	0'35	554. Dubh (Forth)	0'20
507. Fingask	0'35	555. Loch on Eilean Subhainn (Maree)	0'18
508. Dubh (Etive)	0'35	556. Dubh (Ness)	0'18
509. Maol a' Choire	0'34	557. na h-Eaglais	0'16
510. Laide	0'34	558. Uaine	0'14
511. White (Tay)	0'34	559. St Margaret's	0'13
512. Duddingston	0'34	560. Dhu (Portsonachan)	0'12
513. Kinellan	0'33	561. Allt na Mult	0'12
514. Fender	0'33	562. Rainbow	0'10
515. Ree	0'32		
516. Buidhe (Tay)	0'32		

TABLE II

FRESH-WATER LOCHS OF SCOTLAND (SOUNDED BY THE LAKE SURVEY)
ARRANGED ACCORDING TO SUPERFICIAL AREA

Loch.	Area. Square Miles.	Loch.	Area. Square Miles.
1. Lomond	27.45	54. nan Cuinne	1.15
2. Ness	21.78	55. Coir' an Fhearna	1.15
3. Awe (Etive)	14.85	56. Tulla	1.10
4. Maree	11.03	57. Clunie (Ness)	1.10
5. Morar	10.30	58. Ossian	1.03
6. Tay	10.19	59. Bad a' Ghaill	1.02
7. Shin	8.70	60. Menteith	1.02
8. Shiel	7.56	61. Cam	1.01
9. Rannoch	7.37	62. a' Chroisg	1.00
10. Ericht	7.21	63. Stack	0.99
11. Arkaig	6.24	64. St Mary's	0.99
12. Lochy	5.91	65. Baddanloch	0.99
13. Leven	5.30	66. Tummel	0.98
14. Katrine	4.78	67. Lubnaig	0.96
15. Earn	3.91	68. Ard	0.94
16. Harray	3.78	69. Swannay	0.94
17. Fannich	3.60	70. Suainaval	0.94
18. Fionn (Gruinard)	3.52	71. Veyatie	0.93
19. Langavat (Lewis)	3.45	72. Morie	0.92
20. Assynt	3.10	73. Bà (Tay)	0.92
21. Laggan	2.97	74. Boardhouse	0.89
22. Quoich	2.86	75. Brora	0.88
23. Laoghal	2.55	76. Voil	0.88
24. Stenness	2.46	77. na Meide	0.87
25. Treig	2.41	78. Muick	0.85
26. Hope	2.35	79. Lochindorb	0.84
27. Naver	2.26	80. an Ruathair	0.82
28. Skinaskink	2.09	81. Affric	0.82
29. Doon	2.04	82. Beinn a'-Mheadhoim	0.79
30. Dùn na Seilcheig	1.95	83. Urigill	0.78
31. Glass	1.86	84. Oich	0.76
32. Laidon	1.80	85. an Dithreibh	0.74
33. Luichart	1.76	86. Fada (N. Uist)	0.70
34. Garry (Ness)	1.75	87. Merkland	0.69
35. Eck	1.70	88. nan Geireann (Mill)	0.68
36. Frisa	1.69	89. Expansions of River Dee	0.67
37. Mhor	1.69	90. a' Bhraoin	0.66
38. Vennachar	1.61	91. Arienas	0.66
39. More (Laxford)	1.46	92. Eilt	0.66
40. Watten	1.45	93. Owskeich	0.65
41. Fada (Ewe)	1.44	94. Lintrathen	0.62
42. na Sheallag	1.37	95. Garry (Tay)	0.61
43. Ken	1.36	96. Trealaval	0.61
44. Damh (Torridon)	1.33	97. Grunavat	0.60
45. Calder	1.32	98. Gladhouse	0.59
46. Lurgain	1.26	99. Garve	0.59
47. Bà (Mull)	1.21	100. Fiodhaig	0.58
48. Avich	1.21	101. Caravat	0.58
49. Scadavay (West)	1.20	102. Ruthven	0.57
50. Mullardoch	1.18	103. Beoraid	0.55
51. Monar	1.17	104. Leum a' Chlamhain	0.55
52. Obisary	1.17	105. na h-Oidhe	0.54
53. a' Chlàir (Helmsdale)	1.17	106. Freuchie	0.54

STATISTICAL TABLES

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TABLE II—*continued*

Loch.	Area. Square Miles.	Loch.	Area. Square Miles.
107. Achall	0·52	166. Heilen	0·30
108. nan Eun (N. Uist)	0·52	167. Skebacleit	0·30
109. Ashie	0·52	168. na h-Achlaise	0·29
110. Thom	0·52	169. Kinord	0·29
111. Strom	0·52	170. a' Bhaillidh	0·29
112. a' Bhaid-Luachraich	0·51	171. Hunder	0·29
113. Nell	0·50	172. Truid air Sgithiche	0·29
114. Fadagoa	0·48	173. Moy	0·29
115. Talla	0·47	174. Gorm Loch Mòr	0·29
116. Morlich	0·47	175. More (Thurso)	0·28
117. Seadavay (East)	0·46	176. Fad	0·28
118. Creagach	0·46	177. Knockie	0·28
119. Skene (Dee)	0·46	178. Drumellie	0·27
120. Grennoch	0·45	179. Pattack	0·27
121. Insh	0·44	180. an Daimh (Shin)	0·27
122. a' Bhealaich (Gairloch)	0·44	181. Maberry	0·27
123. Dhùghaill (Carron)	0·44	182. Benisval	0·27
124. Chon (Forth)	0·43	183. Clubbi Shuns	0·27
125. Loyne (East)	0·43	184. a' Bhealaich (Naver)	0·27
126. Hundland	0·43	185. Turret	0·26
127. Beannachan	0·42	186. Calavie	0·26
128. na h-Earba (West)	0·41	187. Woodhall	0·26
129. Migdale	0·41	188. an Staca	0·26
130. a' Ghriama	0·40	189. Tollie	0·26
131. Cliff	0·40	190. Benachally	0·25
132. Dee	0·40	191. Cròcach	0·25
133. an t-Seilich	0·39	192. Achanalt	0·25
134. Kilbirnie	0·39	193. Bunacharan	0·25
135. Ailsh	0·38	194. Rescobie	0·25
136. Eilde Mòr	0·38	195. Skaill	0·24
137. na Salach Uidhre	0·38	196. Clair (Ewe)	0·24
138. Lyon	0·37	197. na Beinne Bàine	0·24
139. More Barvas	0·37	198. Milton	0·24
140. Castle (Bladenoch)	0·36	199. Ochiltree	0·24
141. Shurrery	0·36	200. an Stromore	0·24
142. Mochrum	0·36	201. Loyne (West)	0·24
143. Harperrig	0·35	202. Fada (Gruinard)	0·23
144. Seamadale	0·35	203. Davan	0·23
145. Girlsta	0·35	204. Ghuilbinn	0·23
146. Kirbister	0·35	205. na h-Earba (East)	0·23
147. Lowes (Tay)	0·34	206. Garbhaig	0·23
148. Lungard	0·34	207. Gelly	0·23
149. Hempriggs	0·34	208. Achilty	0·23
150. Spiggie	0·34	209. White (Ryan)	0·23
151. Arklet	0·33	210. Black (Ryan)	0·23
152. Fionn (Kirkraig)	0·33	211. Tankerness	0·23
153. Eye	0·33	212. Inbhir	0·23
154. Allt an Fheàrna	0·33	213. Tralaig	0·23
155. Urrahag	0·33	214. Trool	0·23
156. Castle Semple	0·32	215. Alvie	0·22
157. Achray	0·32	216. Olavat	0·22
158. Dubh (Gruinard)	0·32	217. Drunkie	0·22
159. Meiklie	0·31	218. Gartmorn	0·22
160. Kernsary	0·31	219. Sgamhain	0·22
161. Ussie	0·31	220. Fitty	0·22
162. Scarmclate	0·30	221. Finlas	0·22
163. Castle (Annan)	0·30	222. Dilate	0·22
164. St John's	0·30	223. nam Breac	0·22
165. Threipmuir	0·30	224. Nant	0·22

TABLE II—*continued*

Loch.	Area. Square Miles.	Loch.	Area. Square Miles.
225. Bad an Sgalaig	0·22	284. a' Ghobhainn	0·15
226. Eela	0·22	285. an Tomain	0·15
227. Doine	0·21	286. Dubh (Gairloch)	0·15
228. Kindar	0·21	287. na Moracha	0·15
229. Iubhair	0·21	288. an Draine	0·15
230. Huna	0·21	289. Chaluin	0·15
231. Gainmheich (South)	0·21	290. Roer	0·15
232. Tarff	0·21	291. Lowes (Tweed)	0·15
233. Clunie (Tay)	0·21	292. Giorra	0·14
234. Strandavat	0·21	293. Peppermill	0·14
235. Vaara	0·21	294. Drummond	0·14
236. Buidhe (Fleet)	0·21	295. Oban nam Fiadh	0·14
237. Killin	0·20	296. an Nostarie	0·14
238. Lochrutton	0·20	297. an Tachdaidh	0·14
239. an Eilein (Spey)	0·20	298. an Eilein (Gairloch)	0·14
240. Skealtar	0·20	299. Braigh Horrisdale	0·14
241. na Craobhaig	0·20	300. na Moine	0·14
242. Muckle Water	0·19	301. Poullary	0·14
243. Coire nam Meann	0·19	302. Dungeon	0·14
244. Langavat (Benbecula)	0·19	303. Clings	0·14
245. an Dùin (N. Uist)	0·19	304. Bodavat	0·14
246. Skerrow	0·19	305. Stacsavat	0·14
247. a' Bharpa	0·19	306. Broom	0·13
248. Araich-Lin	0·18	307. Bradan	0·13
249. na Cuaich	0·18	308. Isbister	0·13
250. Ordie	0·18	309. Loch	0·13
251. Gryfe	0·18	310. Heouravay	0·13
252. Coulin (Ewe)	0·18	311. Awe (Inver)	0·13
253. a' Chuilinn (Conon)	0·18	312. Auchenreoch	0·13
254. Droma	0·18	313. Allt na h-Airbhe	0·13
255. Borralan	0·18	314. Crogavat	0·13
256. Martnaham	0·18	315. a' Choire	0·13
257. Beannach (Inver)	0·18	316. ic Colla	0·13
258. Daimh (Tay)	0·17	317. an Laghair	0·13
259. Tearnait	0·17	318. a' Bhuird	0·13
260. Wester	0·17	319. Dochard	0·13
261. an Gead	0·17	320. na Leitreach	0·13
262. Syre	0·17	321. Crò Criosdaig	0·13
263. Clousta	0·17	322. Kennard	0·12
264. Butterstone	0·17	323. Burga	0·12
265. Sgnod	0·17	324. Caol na Doire	0·12
266. a' Bhaid Daraich	0·17	325. Builg	0·12
267. Lindores	0·17	326. Stormont	0·12
268. Lundie (Garry)	0·17	327. Arthur	0·12
269. Dornal	0·17	328. an t-Slagain	0·12
270. Urr	0·17	329. a' Bhealaich (Alsh)	0·12
271. Tingwall	0·17	330. Beannach (Gruinard)	0·12
272. Derculich	0·16	331. Sabiston	0·12
273. an Duin (Spey)	0·16	332. Druim Suardalain	0·12
274. Long	0·16	333. Deoravat	0·12
275. Forfar	0·16	334. Monikie (South)	0·12
276. Linlithgow	0·16	335. Craiglush	0·11
277. Portmore	0·16	336. Doire nam Mart	0·11
278. Whinyeon	0·16	337. Crunachan	0·11
279. Carlingwark	0·16	338. Callater	0·11
280. a' Mhuilinn	0·16	339. Sealbhag	0·11
281. nam Faoileag	0·16	340. Skeen (Annan)	0·11
282. Skiach	0·15	341. an Dùna	0·11
283. Kilconquhar	0·15	342. na h-Airidh Sléibhe	0·11

TABLE II—*continued*

Loch.	Area. Square Miles.	Loch.	Area. Square Miles.
343. Ederline	0·11	402. Veiragvat	0·08
344. an Lagain	0·11	403. Burreland	0·08
345. Lochinvar	0·11	404. Valtos	0·08
346. Kemp	0·11	405. an Droighinn	0·08
347. Soulseat	0·11	406. Rosebery	0·08
348. an Leòid	0·11	407. Balgavies	0·08
349. Raoinavat	0·11	408. Clickhimin	0·07
350. Bosquoy	0·10	409. Dochart	0·07
351. Con (Tay)	0·10	410. Holl	0·07
352. Hosta	0·10	411. Breaclauch	0·07
353. na h-Ealaidh	0·10	412. Burntisland	0·07
354. na Ceithir Eileana	0·10	413. na Lairige	0·07
355. Morsgail	0·10	414. Oban a' Chlachain	0·07
356. Liath	0·10	415. Shechernich	0·07
357. an Laig Aird	0·10	416. na Doire Daraich	0·07
358. Phitiùlais	0·10	417. Sandy	0·07
359. Raonasgail	0·10	418. nan Gabhar	0·07
360. Littlester	0·10	419. Bad a' Chrotha	0·07
361. Bruadale	0·10	420. a' Chlachain (Lewis)	0·07
362. Vatandip	0·10	421. Craggie	0·07
363. Lùnn dà-Bhrà	0·10	422. Whitefield	0·07
364. a' Phearsain	0·10	423. Eldrig	0·07
365. Sloy	0·10	424. Monikie (North)	0·07
366. Cuil Airidh a' Flod	0·10	425. Gown (North)	0·07
367. nan Lann	0·10	426. Lochnaw	0·07
368. Eigheach	0·09	427. Dibadale	0·07
369. Spynie	0·09	428. Fleet	0·07
370. Ghuiragarstidh	0·09	429. Airidh na Lie	0·07
371. nam Breac Dearga	0·09	430. Brow	0·07
372. na Mòine Buige	0·09	431. Dhombnuill Bhig	0·07
373. Cuil na Sithe	0·09	432. Howie	0·07
374. a' Chlachain (Nairn)	0·09	433. Hoglinns	0·06
375. Gown (South)	0·09	434. Auchenchapel	0·06
376. Bogton	0·09	435. Dallas	0·06
377. na Sreinge	0·09	436. Monzievaird	0·06
378. Punds	0·09	437. Aboyne	0·06
379. North-house	0·09	438. Hoil	0·06
380. Kirk Dam	0·09	439. Harperleas	0·06
381. nan Deaspoirt	0·09	440. Moraig	0·06
382. Muckle Lunga	0·09	441. Fingask	0·06
383. Aithness	0·09	442. an Iasgaich	0·06
384. na Déghe fo Dheas	0·08	443. nan Eun (Tay)	0·06
385. Sròn Smeur	0·08	444. Tarruinn an Eithir	0·06
386. Hermidale	0·08	445. na Creige Duibhe	0·06
387. na Stainge	0·08	446. a' Chonnachair	0·06
388. a' Bhradain	0·08	447. Mhic' ille Riabhaich	0·06
389. Moor Dam	0·08	448. Laide	0·06
390. Leitir Easaich	0·08	449. Dhùgail (Torridon)	0·06
391. Lochaber	0·08	450. Flugarth	0·06
392. a' Mhiotailt	0·08	451. Black (Etive) (East)	0·06
393. an Tuirc	0·08	452. Harrow	0·06
394. a' Ghlinne Dorcha	0·08	453. Derclach	0·06
395. Seil	0·08	454. Crombie Den	0·06
396. White of Myrton	0·08	455. Peerie	0·06
397. Ceò-Glas	0·08	456. Airidh na Ceardaich	0·06
398. Leodsay	0·08	457. Gainmheich (North)	0·06
399. Scaslavat	0·08	458. na Bi	0·06
400. Tormasad	0·08	459. nan Druinnean	0·06
401. Snarravoe	0·08	460. Lochenbreck	0·06

TABLE II—*continued*

Loch.	Area. Square Miles.	Loch.	Area. Square Miles.
461. Black (Etive) (Mid)	0·05	512. Tilt	0·03
462. " " (West)	0·05	513. Allan	0·03
463. Buidhe (Tay)	0·05	514. Maol a' Choire	0·03
464. Kinghorn	0·05	515. Tìtach	0·03
465. Essan	0·05	516. Mama	0·03
466. Kirk	0·05	517. Kirriereoch	0·03
467. Bhac	0·05	518. Brough	0·03
468. Mill	0·05	519. Kilchoan (Lower)	0·03
469. Rae	0·05	520. a' Chaoruinn	0·03
470. nan Garbh Chlachain	0·05	521. Hightae Mill	0·03
471. Dubh (Ailort)	0·05	522. Fithie	0·03
472. na Coinnich	0·05	523. Sior	0·03
473. Eileach Mhic' ille Riabhaich	0·05	524. na Beithe	0·03
474. na Garbh-Abhuinn	0·05	525. a' Buaille	0·03
475. na Claise Fèarna	0·05	526. Cults	0·03
476. Baile a' Ghobhainn	0·05	527. na Garbh-Abhuinn Ard	0·03
477. Asta	0·05	528. Skae	0·03
478. a' Bhainne	0·05	529. Aslaich	0·03
479. Harelaw	0·05	530. Dubh (Etive)	0·03
480. Birka	0·05	531. Hostigates	0·03
481. nan Eun (Ness)	0·05	532. Duddingston	0·03
482. an Losgainn Mòr	0·05	533. Pitlyal	0·02
483. Dubh-Mor	0·05	534. Sand	0·02
484. Gleann a' Bhearraidh	0·05	535. White (Tay)	0·02
485. Fiart	0·05	536. an t-Seasgain	0·02
486. Edgelaw	0·05	537. Dubh (Forth)	0·02
487. Grass	0·05	538. a' Chladaich	0·02
488. Lure	0·05	539. Scoly	0·02
489. na Craige	0·04	540. Crann	0·02
490. Blairs	0·04	541. Duartmore	0·02
491. Fender	0·04	542. Kinellan	0·02
492. Anna	0·04	543. na Gealaich	0·02
493. Monk Myre	0·04	544. Cornish	0·02
494. Eion Mhic Alastair	0·04	545. nan Ràth	0·02
495. na Beiste	0·04	546. Setter	0·02
496. nan Geireann	0·04	547. Magillie	0·02
497. Beag	0·04	548. na li' Eaglais	0·02
498. Kilcheran	0·04	549. Black (Tay)	0·01
499. Lundie (Clunie)	0·04	550. nan Aiscot	0·01
500. a' Vullan	0·04	551. Uaine	0·01
501. Gamhna	0·04	552. an Tairbeirt Stuaclhaich	0·01
502. Uanagan	0·04	553. Loch on Eilean Subhainn	0·01
503. Collaster	0·04	554. na Creige Léithe	0·01
504. Drumlamford	0·04	555. an Dubh (Lochy)	0·01
505. Fyntalloch	0·04	556. Rainbow	0·01
506. Kilchoan (Upper)	0·04	557. Dubh (Ness)	0·01
507. Ree	0·04	558. Choire na Cloich	0·01
508. Muck	0·04	559. nan Losganan	0·01
509. Geal	0·04	560. St Margaret's	0·01
510. Browster	0·04	561. Dhu (Portsonachan)	0·003
511. Bran	0·04	562. Allt na Mult	0·003

TABLE III

FRESH-WATER LOCHS OF SCOTLAND (SOUNDED BY THE LAKE SURVEY)
ARRANGED ACCORDING TO MAXIMUM DEPTH

Loch.	Max. Depth. Feet.	Loch.	Max. Depth. Feet.
1. Morar	1017	54. Scamadale	145
2. Ness	754	55. Fionn (Gruinard)	144
3. Lomond	623	56. Bà (Mull)	144
4. Lochy	531	57. a' Bhaid-Luachraich	143
5. Ericht	512	58. Eck	139
6. Tay	508	59. Ossian	132
7. Katrine	495	60. Lungard	129
8. Rannoch	440	61. Tummel	128
9. Treig	436	62. Laidon	128
10. Shiel	420	63. Veyatie	126
11. Maree	367	64. Clunie (Ness)	123
12. Glass	365	65. Càrn	122
13. Arkaig	359	66. na h-Oidhche	121
14. More (Laxford).	316	67. a' Bhaid Daraich	121
15. Awe (Etive)	307	68. Gainmheich (South).	120
16. Earn	287	69. Eilt	119
17. Assynt	282	70. Achilty	119
18. Fannich	282	71. Tralaig	117
19. Quoich	281	72. Arienas	116
20. Morie	270	73. Nell	115
21. Monar	260	74. Dubh-Mòr	114
22. Muick	256	75. na h-Airidh Sléibhe	113
23. Fada (Ewe)	248	76. Garry (Tay)	113
24. Affric	221	77. Bunacharan	113
25. Suainaval	219	78. Vennachar	111
26. na Sheallag	217	79. nan Lann	109
27. Laoghal	217	80. Dhùghaill (Torridon).	108
28. Skinaskink	216	81. Stack	108
29. Garry (Ness)	213	82. Naver	108
30. Damh (Torridon)	206	83. Ard	107
31. Dùn na Seilcheig	205	84. Garve	105
32. Frisa	205	85. an Duin (Spey)	102
33. Mullardoch	197	86. Lyon	100
34. Avich	188	87. an Laghair	100
35. Hope	187	88. Eilde Mòr	100
36. Bad a' Ghaill	180	89. Doon	100
37. Dhùghaill (Carron)	179	90. Insh	100
38. Beannachan	176	91. Voil	98
39. Laggan	174	92. Langavat (Lewis)	98
40. a' Chroisg	168	93. an t-Seilich	98
41. Beinn a' Mheadhoin	167	94. Achray	97
42. Luichart	164	95. Drunkie	97
43. Shin	162	96. Daimh (Tay)	95
44. Beoraid	159	97. Benisval	95
45. an Dithreibh	157	98. Raonasgail	95
46. Lurgain	156	99. Dungeon	94
47. Oich	154	100. a' Mhuilinn	94
48. Dubh (Ailort)	153	101. Garbhaig	93
49. St Mary's	153	102. na Creige Duibhe	93
50. Owskeich	153	103. Clair (Ewe)	93
51. Coir' an Fheàrna	151	104. Kernsary	93
52. Obisary	151	105. Nant	92
53. Lubnaig	146	106. a' Bhealach (Gairloch)	92

TABLE III—*continued*

Loch.	Max. Depth. Feet.	Loch.	Max. Depth. Feet.
107. Gorm Loch Mòr	91	166. an Eilein (Spey)	66
108. Seil	91	167. Brora	66
109. Mhor	91	168. Doine	65
110. Fionn (Kirkraig)	90	169. Iubhair	65
111. Grunavat	90	170. Benachally	64
112. Tarff	89	171. Bad an Sgalaig	64
113. Dubh (Gruinard)	88	172. a' Ghriama	64
114. na Leitreach	88	173. Loch on Eilean Subhainn	64
115. Baile a' Ghobhainn	88	174. na Meide	63
116. Tollie	86	175. Ken	62
117. Builg	86	176. Freuchie	62
118. Calder	85	177. an Tachdaidh	62
119. na Cuaich	85	178. Raoinavat	61
120. Merkland	85	179. Dibadale	61
121. a' Ghlinne Dorcha	85	180. Tingwall	60
122. Creagach	84	181. Hunder	60
123. Tulla	84	182. a' Choire	60
124. Calavie	84	183. na Moine Buige	60
125. Leven	83	184. Kilcheran	60
126. Scaslavat	82	185. Allt na h-Airbhe	60
127. na h-Earba (West)	81	186. Gainmheich (North)	59
128. Loch	81	187. nan Drummnean	59
129. a' Chlachain (Nairn)	80	188. Lowes (Tweed)	58
130. a' Bhealaich (Naver)	80	189. Lochrutton	58
131. Turret	79	190. Ederline	58
132. an Leòid	79	191. na Beithe	58
133. Fender	78	192. Fiart	58
134. Menteith	77	193. Drumellie	58
135. Edgelaw	77	194. Pattack	58
136. Chon (Forth)	75	195. Aithuess	57
137. Knockie	75	196. Ashie	57
138. Eion Mhic Alastair	74	197. Hoglinns	57
139. Phitiùlais	74	198. an Losgainn Mòr	57
140. Girsta	74	199. Clousta	57
141. Caravat	74	200. Fleet	56
142. a' Bhraoin	73	201. nan Deaspoirt	56
143. Talla	73	202. Sealbhag	56
144. Clings	73	203. Fada (Gruinard)	56
145. Sgamhain	72	204. Skiach	55
146. Kennard	72	205. Trool	55
147. Fiodhaig	71	206. an t-Slagain	55
148. Cròcach	71	207. Liath	55
149. nam Breac	71	208. Rosebery	55
150. Kilchoan (Upper)	70	209. Mill	55
151. Leitir Easaich	70	210. an Drainc	55
152. Alvie	70	211. Caol na Doire	55
153. nam Breac Dearga	70	212. Dilate	55
154. Achall	70	213. Lochaber	55
155. Lintrathen	70	214. Crogavat	55
156. Dereulich	70	215. Gladhouse	55
157. Clunie (Tay)	69	216. Eela	55
158. a' Mhiotailt	69	217. Lundie (Garry)	54
159. na h-Earba (East)	69	218. Harelaw	54
160. Ordie	69	219. Crombie Den	53
161. Grennoch	68	220. Lowes (Tay)	53
162. Dubh (Gairloch)	68	221. a' Phearsain	53
163. Arklet	67	222. Gown (South)	52
164. Killin	67	223. an Daimh (Shin)	52
165. na Beinne Bàine	67	224. Braigh Horrisdale	51

TABLE III—continued

Loch.	Max. Depth. Feet.	Loch.	Max. Depth. Feet.
225. Kemp	51	284. Kindar	41
226. Leun a' Chlamhain	51	285. Gamhna	41
227. an Staca	51	286. Spiggie	41
228. Lochindorb	51	287. White of Myrton	40
229. Moy	50	288. Craggie	40
230. Bran	50	289. Finlas	40
231. Black (Ryan)	50	290. an Dubh (Lochy)	40
232. Inbhir	50	291. Stacsavat	40
233. Arthur	50	292. Urigill	40
234. na Craobhaig	50	293. Monzievaird	39
235. Scadavay (East)	50	294. na Lairige	39
236. nan Eun (Tay)	50	295. Fadagoa	39
237. Giorra	49	296. an Tuire	39
238. Migdale	49	297. nan Àuscot	39
239. Woodhall	49	298. Howie	39
240. Ghuilbinn	49	299. Burntisland	39
241. Morlich	49	300. Teàrnait	39
242. Coulin (Ewe)	49	301. na Claise Fearnna	38
243. Gleann a' Bhearraidh	48	302. White (Ryan)	38
244. Doire nam Mart	48	303. Fad	38
245. an Droighinn	48	304. Beannach (Inver)	38
246. Fingask	48	305. Holl	38
247. Poulary	47	306. Kinghorn	38
248. Bodavat	46	307. a' Bharpa	37
249. Hoil	46	308. Ghiuragarstidh	37
250. Birka	45	309. Scadavay (West)	37
251. Fada (N. Uist)	45	310. Dee	36
252. Meiklie	45	311. Allt an Fhearna	36
253. Kilchoan (Lower)	45	312. Buidhe (Fleet)	36
254. Ree	44	313. Black (Etive) (East)	36
255. a' Bhealaich (Alsh)	44	314. Skeen (Annan)	36
256. Mama	44	315. a' Bhuid	36
257. Expansions of River Dee	44	316. Skae	35
258. Craighluth	44	317. Treaval	35
259. an Tomain	44	318. an Dùin (N. Uist)	35
260. Skebackeit	44	319. na Beiste	35
261. Uanagan	43	320. Loyne (East)	35
262. na Streinge	43	321. Ussie	35
263. a' Chuilinn (Conon)	43	322. an Nostarie	35
264. na h-Eaglais	43	323. Langavat (Benbecula)	34
265. Dochard	42	324. Gryfe	34
266. Ruthven	42	325. an Eilein (Gairloch)	34
267. Urr	42	326. Ochiltree	34
268. Skealtar	42	327. Auchenreoch	34
269. Thom	42	328. na Déighe fo Dheas	34
270. Baddanloch	42	329. ic Colla	34
271. an Laig Aird	42	330. Coire nam Meann	33
272. Soulseat	42	331. Sròn Smeur	33
273. Bhac	42	332. Eileach Mhic' ille Riabhaich	33
274. na Ceithir Eileana	42	333. Skerrow	33
275. Long	42	334. Whinyeon	33
276. Breaclauch	41	335. Urrahag	33
277. Harperleas	41	336. Roer	32
278. Portmore	41	337. White (Tay)	32
279. Bhradain	41	338. a' Chlàir (Helmsdale)	32
280. Heuravay	41	339. Deoravat	32
281. Dubh (Forth)	41	340. Ceò-Glas	32
282. Hermidale	41	341. Hosta	31
283. Hostigates	41	342. Sloy	31

TABLE III—*continued*

Loch.	Max. Depth. Feet.	Loch.	Max. Depth. Feet.
343. Druim Suardalain . . .	31	402. Bad a' Chrotha . . .	23
344. nan Eun (N. Uist) . . .	31	403. a' Buaille . . .	23
345. Morsgail . . .	31	404. Muck . . .	23
346. Balgavies . . .	31	405. Airidh na Ceardaich . . .	22
347. Burga . . .	30	406. an Stromore . . .	22
348. Chalum . . .	30	407. Monikie (North) . . .	22
349. an Gead . . .	30	408. Duartmore . . .	22
350. Bà (Tay) . . .	30	409. nam Faoileag . . .	22
351. Callater . . .	30	410. Black (Etive) (West) . . .	22
352. Harperrig . . .	30	411. Crò Criosdaig . . .	21
353. Punds . . .	30	412. nan Eun (Ness) . . .	21
354. Kilbirnie . . .	30	413. Borralan . . .	21
355. Forfar . . .	29	414. Cliff . . .	21
356. Harrow . . .	29	415. Gartmorn . . .	21
357. Martnaham . . .	29	416. a' Chaoruinn . . .	20
358. Allan . . .	29	417. Leodsay . . .	20
359. an Dùna . . .	29	418. na Moracha . . .	20
360. Snarravoe . . .	29	419. Choire na Cloich . . .	20
361. na Sàlach Uidhre . . .	29	420. na Garbh-Abhuinn . . .	20
362. Beag . . .	29	421. a' Bhaillidh . . .	20
363. Cults . . .	28	422. Muckle Water . . .	20
364. a' Bhainne . . .	28	423. Airidh na Lie . . .	19
365. na h-Achlaise . . .	28	424. Pitlyal . . .	19
366. Eigheach . . .	28	425. Oban a' Chlachain . . .	19
367. nan Cuinne . . .	28	426. Loyne (West) . . .	19
368. Clubbi Shuns . . .	28	427. Essan . . .	18
369. a' Ghobhainn . . .	28	428. Dubh (Ness) . . .	18
370. Black (Etive) (Mid) . . .	27	429. an Lagain . . .	18
371. Valtos . . .	27	430. nan Geireann (Mill) . . .	18
372. nan Geireann . . .	27	431. an t-Seasgain . . .	18
373. Beannach (Gruinard) . . .	27	432. Castle (Annan) . . .	18
374. a' Chonnachair . . .	27	433. Carlingwark . . .	17
375. nan Ràth . . .	27	434. Peppermill . . .	17
376. Anna . . .	27	435. Gown (North) . . .	17
377. a' Vullan . . .	27	436. Stenness . . .	17
378. Linlithgow . . .	27	437. Auchenchapel . . .	17
379. Muckle Lunga . . .	27	438. Crann . . .	17
380. an Ruathair . . .	26	439. Threipmuir . . .	17
381. Aslaich . . .	26	440. Vatandip . . .	17
382. Rainbow . . .	26	441. Swannay . . .	16
383. Monikie (South) . . .	26	442. Rae . . .	16
384. Drumlamford . . .	26	443. Fitty . . .	16
385. na Gealaich . . .	25	444. Droma . . .	16
386. na Coinnich . . .	25	445. Tùtach . . .	16
387. Lunn dà-Bhrà . . .	25	446. Kinellan . . .	16
388. nan Garbh Chlachain . . .	25	447. an Iasgaich . . .	16
389. Vaara . . .	25	448. Fithie . . .	16
390. Veiragvat . . .	25	449. Lochenbreck . . .	15
391. Kirk . . .	25	450. Milton . . .	15
392. Huna . . .	25	451. Fyntalloch . . .	15
393. Crunachan . . .	25	452. Kirriereoch . . .	15
394. Butterstone . . .	25	453. Moraig . . .	14
395. Lundie (Clunie) . . .	25	454. Whitefield . . .	14
396. Strandavat . . .	25	455. Sguod . . .	14
397. Ailsh . . .	24	456. Cuil na Síthe . . .	14
398. an Tairbeirt Stuaighaich . . .	24	457. Harray . . .	14
399. Taruinn an Eithir . . .	23	458. Maberry . . .	14
400. Rescobie . . .	23	459. na Stainge . . .	14
401. Geal . . .	23	460. Magillie . . .	14

STATISTICAL TABLES

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TABLE III—continued

Loch.	Max. Depth. Feet.	Loch.	Max. Depth. Feet.
461. na Creige Léithe	14	512. Hempriggs	8
462. na Craige	13	513. Dallas	8
463. Hightae Mill	13	514. na h-Ealaidh	8
464. Asta	13	515. na Moine	8
465. North-house	13	516. Flugarth	8
466. Mochrum	13	517. Black (Tay)	7
467. Strom	13	518. More (Thurso)	7
468. Watten	12	519. Dhomhnuill Bhig	7
469. Truid air Sgithiche	12	520. Cornish	7
470. Olavat	12	521. Eye	7
471. Mhic' ille Riabhaich	12	522. Hundland	7
472. Syre	12	523. Shurrery	7
473. Derclach	12	524. nan Losganan	7
474. Kinord	12	525. Araich-Lin	7
475. Monk Myre	12	526. St John's	7
476. Scoly	12	527. Sandy	7
477. Drummond	12	528. Awe (Inver)	7
478. Castle (Bladenoch)	11	529. na Garbh-Abhunn Ard	7
479. a' Chlachain (Lewis)	11	530. Tankerness	7
480. Brouster	11	531. Lure	7
481. Dochart	11	532. na Bì	6
482. Aboyne	11	533. Moor Dam	6
483. Dornal	10	534. Kilconquhar	6
484. Uaine	10	535. Grass	6
485. Oban nam Fiadh	10	536. Skene (Dee)	6
486. Dhu (Portsonachan)	10	537. Spynie	6
487. Eldrig	10	538. Lochnaw	6
488. Lindores	10	539. Kirbister	6
489. Peerie	10	540. Bruadale	6
490. Dubh (Etive)	10	541. Brow	6
491. Burraland	10	542. Tilt	5
492. Duddingston	10	543. Blairs	5
493. Clickhimin	10	544. Scarmclate	5
494. Tormasad	10	545. Castle Semple	5
495. Lochinvar	10	546. Heilen	5
496. Collaster	10	547. Bosquoy	5
497. Broom	9	548. nan Gabhar	5
498. Boardhouse	9	549. St Margaret's	5
499. na Doire Daraich	9	550. Kirk Dam	5
500. Davan	9	551. Bogton	4
501. Littlester	9	552. Skaill	4
502. a' Chladaich	9	553. Sand	4
503. Con (Tay)	9	554. Brough	4
504. Cuil Airidh a' Flod	9	555. Sior	4
505. Laide	9	556. Stormont	3
506. Gelly	9	557. Allt na Mult	3
507. Achanalt	9	558. Sabiston	3
508. Shechernich	8	559. Wester	3
509. More Barvas	8	560. Isbister	3
510. Maol a' Choire	8	561. Buidhe (Tay)	3
511. Bradan	8	562. Setter	2

TABLE IV

FRESH-WATER LOCHS OF SCOTLAND (SOUNDED BY THE LAKE SURVEY)
ARRANGED ACCORDING TO MEAN DEPTH

Loch.	Mean Depth. Feet.	Loch.	Mean Depth. Feet.
1. Ness	433·02	53. a' Bhaid Daraich	55·60
2. Morar	284·00	54. na h-Oidhche	53·95
3. Lochy	228·95	55. Achilty	51·78
4. Treig	207·37	56. Shin	51·04
5. Katrine	199·19	57. Dubh-Mòr	50·93
6. Tay	199·08	58. Eck	50·16
7. Ericht	189·21	59. Bunacharan	50·11
8. Rannoch	167·46	60. Clunie (Ness)	49·98
9. Glass	159·07	61. Garry (Tay)	49·91
10. Arkaig	152·71	62. Tummel	48·03
11. Earn	137·83	63. Bà (Mull)	47·42
12. Shiel	132·73	64. Eilde Mòr	47·01
13. More (Laxford)	125·83	65. Owskeich	46·90
14. Maree	125·30	66. Lyon	44·87
15. Morie	125·20	67. na h-Airidh Sléibhe	44·43
16. Lomond	121·29	68. Ard	43·86
17. Muick	116·30	69. Garve	43·60
18. Fannich	108·76	70. Lubnaig	42·77
19. Suainaval	108·60	71. Ossian	42·75
20. Awe (Etive)	104·95	72. na Cuaich	42·48
21. Quoich	104·60	73. Vennachar	42·41
22. na Sheallag	103·47	74. Dubh (Gruinard)	42·33
23. Fada (Ewe)	102·20	75. Clair (Ewe)	42·10
24. Assynt	101·10	76. Gainmheich (South)	41·80
25. Avich	98·42	77. Oich	41·78
26. Monar	98·33	78. an t-Seilich	41·30
27. Affric	93·64	79. Tralaig	41·03
28. Dùn na Seilcheig	84·00	80. Veyatie	41·00
29. Garry (Ness)	78·00	81. Voil	40·94
30. Mullardoch	77·52	82. na Leitreach	40·29
31. Frisa	76·40	83. Eion Mhic Alastair	39·73
32. a' Chroisg	73·78	84. Daimh (Tay)	39·12
33. St Mary's	72·93	85. Naver	39·06
34. Beoraid	72·34	86. Baile a' Ghobhainn	38·77
35. Beannachan	70·42	87. Dhùgaill (Torridon)	38·27
36. Scamadale	69·58	88. Kernsary	38·17
37. Laggan	67·68	89. Tulla	38·08
38. Luichart	66·84	90. Calavie	37·91
39. Dhùghaill (Carron)	66·65	91. Càrn	37·70
40. an Dithreibh	65·93	92. Insh	37·31
41. Beinn a' Mheadhoin	65·36	93. an Laghair	37·23
42. Laoghal	65·21	94. Eilt	37·12
43. Lungard	63·68	95. nan Lann	37·03
44. Dubh (Ailort)	62·70	96. Nell	36·80
45. Bad a' Ghaill	61·90	97. Seil	36·73
46. Hope	61·47	98. a' Bhraoin	36·60
47. Lurgain	60·90	99. Lowes (Tweed)	36·55
48. Skinaskink	60·40	100. Drunkie	36·05
49. Damh (Torridon)	58·91	101. Achray	36·01
50. Coir' an Fheàrna	58·79	102. Stack	35·91
51. Fionn (Gruinard)	57·79	103. an Lebid	35·75
52. Arianas	56·60	104. na h-Earba (West)	35·62

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TABLE IV—continued

Loch.	Mean Depth. Feet.	Loch.	Mean Depth. Feet.
105. Garbhaig	35·41	163. Benachally	25·06
106. Laidon	35·19	164. Iubhair	24·96
107. Talla	34·70	165. Langavat (Lewis)	24·79
108. Benisval	34·68	166. Derculich	24·72
109. Scaslavat	34·65	167. Crogavat	24·66
110. a' Mhuilinn	34·15	168. na Mòine Buige	24·62
111. a' Bhaid-Luachraich	34·02	169. Gainmheich (North)	24·50
112. Creagach	33·17	170. nam Breac Dearga	24·43
113. Doine	33·13	171. Knockie	24·40
114. Tollie	33·13	172. Nant	24·31
115. a' Bhealaich (Gairloch)	32·74	173. Gorm Loch Mòr	24·30
116. na Creige Duibhe	32·49	174. Arklet	24·19
117. Raonagail	32·37	175. Killin	24·15
118. Kennard	32·27	176. Mhor	24·11
119. Turret	31·79	177. Tarff	23·89
120. Fender	31·77	178. Dilate	23·50
121. Dubh (Gairloch)	31·74	179. Lintrathen	23·42
122. Gurlsta	31·41	180. Black (Ryan)	23·37
123. a' Bhealaich (Naver)	31·20	181. Ederline	23·15
124. na h-Earba (East)	31·11	182. Phitiùlais	23·15
125. Edgelaw	31·10	183. Fiart	23·13
126. an Duin (Spey)	30·38	184. Caol na Doire	23·04
127. a' Mhiotailt	30·30	185. na h-Eaglais	22·84
128. Allt na h-Airbhe	30·17	186. Fingask	22·83
129. Merkland	30·14	187. Freuchie	22·83
130. a' Chlachain (Nairn)	29·84	188. Harelaw	22·83
131. Loch on Eilean Subhainn	29·70	189. Brora	22·68
132. Kilchoan (Upper)	29·54	190. Dungeon	22·64
133. Chon (Forth)	29·38	191. Liath	22·36
134. Loch	29·22	192. Meiklie	22·10
135. Drumellie	29·18	193. Fleet	21·81
136. Clunie (Tay)	29·12	194. Giorra	21·70
137. Grunavat	28·36	195. nan Eun (Tay)	21·64
138. na Beinne Bàine	28·33	196. Doire nam Mart	21·33
139. a' Ghriama	28·03	197. Ashie	21·26
140. nam Breac	27·94	198. Migdale	21·18
141. Achall	27·83	199. Kilcheran	21·11
142. Dibadale	27·77	200. Ken	21·00
143. Builg	27·75	201. Calder	20·87
144. na Beithe	27·72	202. nan Deaspoirt	20·82
145. a' Ghlinne Dorcha	27·65	203. Grennoch	20·82
146. a' Choire	27·55	204. Dubh (Forth)	20·70
147. an Daimh (Shin)	27·17	205. Sealbhag	20·66
148. Alvie	27·02	206. na Meide	20·61
149. Sgamhain	26·77	207. Lochaber	20·57
150. Doon	26·71	208. Raoinavat	20·56
151. Clings	26·55	209. Fionn	20·40
152. Ordie	26·32	210. Lowes (Tay)	20·40
153. Kemp	26·23	211. Kilchoan (Lower)	20·30
154. Hoglinns	26·09	212. Leitir Easaich	19·90
155. an Draine	25·86	213. Menteith	19·77
156. Fiodhaig	25·79	214. Woodhall	19·67
157. Arthur	25·77	215. Leum a' Chlamhain	19·54
158. Obisary	25·70	216. a' Phearsain	19·44
159. an Eilein (Spey)	25·47	217. Moy	19·31
160. Mill	25·33	218. Thom	19·25
161. Bad an Sgalaig	25·26	219. Hoil	19·09
162. Rosebery	25·20	220. Tingwall	18·88

TABLE IV—*continued*

Loch.	Mean Depth. Feet.	Loch.	Mean Depth. Feet.
221. Aithness	18·84	279. Eileach Mhic' ille Riabhaidh	14·13
222. an Losgailun Mòr	18·65	280. Breaclauch	14·09
223. Trool	18·39	281. White (Ryan)	14·09
224. Coulin (Ewe)	18·29	282. Pattack	14·07
225. Braigh Horrisdale	18·10	283. Expansions of River Dee	13·90
226. Skiach	18·09	284. na Ceithir Eileana	13·81
227. Hunder	18·08	285. White of Myrton	13·70
228. Harperleas	17·88	286. a' Chlàir (Helmsdale)	13·65
229. an Tachdaidh	17·88	287. Monikie (South)	13·47
230. Skeen (Annan)	17·87	288. Vaara	13·44
231. Crombie Den	17·64	289. Black (Etive) (East)	13·39
232. na Sreinge	17·53	290. an Ruathair	13·34
233. Stacsavat	17·43	291. Ghuilbinn	13·32
234. Gryfe	17·35	292. na Claise Fèarna	13·23
235. Baddanloch	17·33	293. Beannach (Inver)	13·20
236. Fada (Gruinard)	17·15	294. an Dùna	13·12
237. Fad	17·13	295. Urigill	13·10
238. Holl	17·04	296. Lochrutton	13·03
239. Cròcach	16·80	297. White (Tay)	12·95
240. Uanagan	16·80	298. Gleann a' Bhearraidh	12·79
241. nan Àuscot	16·79	299. Anna	12·74
242. Portmore	16·79	300. Burga	12·65
243. na Craobhaig	16·63	301. Bran	12·63
244. Eela	16·59	302. Skerrow	12·63
245. Caravat	16·57	303. Bodavat	12·61
246. a' Bhealaich (Alsh)	16·53	304. a' Ghobhainn	12·59
247. Bhac	16·50	305. Monikie (North)	12·58
248. an Tomain	16·47	306. Snarravoe	12·55
249. Gladhouse	16·46	307. Hermidale	12·49
250. an t-Slagain	16·42	308. Hosta	12·47
251. Lundie (Garry)	16·28	309. a' Bharpa	12·43
252. Hostigates	16·26	310. Lochindorb	12·42
253. Tearnait	16·16	311. nan Cuinne	12·38
254. Craiglush	16·13	312. Morsgail	12·33
255. Skealtar	15·90	313. a' Vullan	12·27
256. Gown (South)	15·88	314. Whinyeon	12·22
257. Howie	15·69	315. Urr	12·06
258. nan Druimnean	15·61	316. Callater	11·99
259. an Staca	15·52	317. Burntisland	11·85
260. an Dubh (Lochy)	15·50	318. Dochard	11·84
261. Kinghorn	15·33	319. Birka	11·81
262. Craggie	15·31	320. Beag	11·80
263. Clousta	15·27	321. Buidhe (Fleet)	11·72
264. Skebacleit	15·21	322. Fadagoa	11·70
265. Soulseat	15·19	323. Auchenreoch	11·69
266. an Laig Aird	15·12	324. Harrow	11·61
267. Ree	14·96	325. Coire nam Meann	11·60
268. Leven	14·87	326. Deoravat	11·60
269. Bhradain	14·83	327. Spiggie	11·59
270. an Droighinn	14·78	328. Urrahag	11·49
271. Monzievaird	14·70	329. Forfar	11·43
272. Morlich	14·62	330. an Gead	11·29
273. an Eilein (Gairloch)	14·39	331. Butterstone	11·29
274. Rainbow	14·33	332. Black (Etive) (Mid)	11·27
275. Allt an Fhearna	14·31	333. Ruthven	11·27
276. Màma	14·29	334. Muckle Water	11·08
277. Dee	14·25	335. na Lairige	10·97
278. Kindar	14·22	336. Harperrig	10·96

STATISTICAL TABLES

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TABLE IV--continued

Loch.	Mean Depth. Feet.	Loch.	Mean Depth. Feet.
337. an Nostarie	10·95	395. Peppermill	8·60
338. Aslaich	10·91	396. Castle (Annan)	8·58
339. Drumlamford	10·82	397. nan Geireann	8·47
340. ic Colla	10·77	398. Lùnn dà-Bhrà	8·44
341. Gartmorn	10·75	399. Watten	8·42
342. Cliff	10·65	400. Pitlyal	8·32
343. an Tuire	10·60	401. Ailsh	8·30
344. na Beiste	10·56	402. Auchenchapel	8·26
345. na Déighe fo Dheas . .	10·54	403. nan Ràth	8·23
346. an Tairbeirt Stuaðhaich .	10·50	404. Huna	8·22
347. Stenness	10·43	405. Langavat (Benbecula) .	8·12
348. a' Bhuid	10·42	406. Sloy	8·12
349. Allan	10·40	407. Bà (Tay)	8·10
350. Geal	10·38	408. Whitefield	8·01
351. Loyne (East)	10·32	409. Ussie	7·98
352. Sròn Smeur	10·31	410. Chaluim	7·92
353. Druim Suardalain	10·30	411. Threipmuir	7·90
354. Fada (N. Uist)	10·25	412. Inbhir	7·85
355. a' Chuilinn (Conon) . . .	10·22	413. nan Eun (N. Uist) . . .	7·84
356. Punds	10·20	414. Lundie (Clunie)	7·80
357. Roer	10·16	415. Crunachan	7·79
358. Ceò-Glas	10·14	416. Ochiltree	7·68
359. Rescobie	9·99	417. Lochenbreck	7·61
360. Kirk	9·96	418. a' Bhaillidh	7·60
361. na Gealaich	9·94	419. an Lagain	7·57
362. Long	9·92	420. Linlithgow	7·55
363. nan Eun (Ness)	9·90	421. Fyntalloch	7·48
364. Poulary	9·90	422. na Craige	7·42
365. Vatandip	9·85	423. Chùl na Sìthe	7·42
366. Balgavies	9·76	424. Derclach	7·42
367. Oban a' Chlachain	9·75	425. Fithie	7·42
368. Kilbirnie	9·72	426. Fitty	7·40
369. a' Bhainne	9·69	427. Valtos	7·40
370. Finlas	9·69	428. Leodsay	7·38
371. Martnaham	9·61	429. Heouravay	7·37
372. Borralan	9·60	430. Black (Etive) (West) . .	7·34
373. na h-Achlaise	9·58	431. Maberry	7·32
374. Gamhna	9·56	432. Hightae Mill	7·31
375. Skae	9·52	433. nan Garbh Chlachain . .	7·28
376. Choire na Cloich	9·44	434. Kinellan	7·14
377. a' Chaoruinn	9·37	435. Muck	7·12
378. na Moracha	9·26	436. Dubh (Ness)	7·00
379. Swannay	9·22	437. na Creige Léithe	7·00
380. Treallaval	9·22	438. Strom	7·00
381. Airidh na Lic	9·21	439. Kirrieroch	6·98
382. Cults	9·16	440. Sguod	6·91
383. Scadavay (West)	9·16	441. Muckle Lunga	6·88
384. Ghiuragarstidh	9·08	442. Gown (North)	6·87
385. Harray	9·02	443. Carlingwark	6·86
386. an Stromore	9·01	444. a' Buaille	6·82
387. a' Chonnachair	8·88	445. Essan	6·82
388. Clubbi Shuns	8·85	446. Crann	6·79
389. Crò Criosdaig	8·80	447. Mochrum	6·75
390. nam Faoileag	8·69	448. Milton	6·67
391. Veiragvat	8·68	449. North-house	6·60
392. Scadavay (East)	8·67	450. Rae	6·59
393. na Coinnich	8·62	451. Castle (Bladenoch) . . .	6·56
394. Strandavat	8·61	452. na Sàlach Uidhre	6·54

TABLE IV—*continued*

Loch.	Mean Depth. Feet.	Loch.	Mean Depth. Feet.
453. Beannach (Gruinard)	6·45	508. Achanalt	4·50
454. Lochinvar	6·41	509. a' Chladaich	4·50
455. nan Geireann (Mill)	6·37	510. Cuil Airidh a' Flod	4·50
456. Tarruin an Eithir	6·37	511. St John's	4·50
457. Peerie	6·34	512. Bruadale	4·46
458. an Dùin (N. Uist)	6·27	513. Araich-Lin	4·45
459. Droma	6·27	514. Bradan	4·40
460. Eigheach	6·09	515. Shurrery	4·37
461. Bad a' Chrotha	6·08	516. Tankerness	4·35
462. Boardhouse	6·06	517. More Barvas	4·33
463. Aboyne	6·03	518. Hundland	4·32
464. Loyne (West)	5·93	519. Lochnaw	4·32
465. Duartmore	5·90	520. Oban nam Fiadh	4·23
466. Collaster	5·88	521. Olavat	4·20
467. Airidh na Ceardaich	5·86	522. More (Thurso)	4·18
468. Truid air Sgithiche	5·83	523. Kirbister	4·15
469. an t-Seasgain	5·72	524. Eye	4·06
470. Scoly	5·72	525. Shechernich	4·01
471. Eldrig	5·70	526. Davan	3·98
472. Clickhimin	5·60	527. Dhomhnuill Bhig	3·90
473. Tormasad	5·60	528. Lure	3·90
474. Brouster	5·57	529. Kilconquhar	3·90
475. an Iasgaich	5·55	530. Cornish	3·80
476. Moraig	5·54	531. na Doire Daraich	3·60
477. a' Chlachain (Lewis)	5·52	532. Dallas	3·50
478. Syre	5·48	533. nan Losganan	3·50
479. Magillie	5·37	534. Uaine	3·50
480. Dornal	5·36	535. Con (Tay)	3·47
481. Mhic' ille Riabhaich	5·35	536. na Bi	3·30
482. Flugarth	5·23	537. Moor Dam	3·27
483. Hempriggs	5·22	538. na Garbh-Abhuinn Ard	3·02
484. Laide	5·16	539. Grass	2·99
485. Duddingston	5·14	540. Dubh (Etive)	2·76
486. Asta	5·11	541. Spynie	2·71
487. Maol a' Choire	5·10	542. Blairs	2·55
488. na Stainge	5·10	543. Brow	2·50
489. Drummond	5·09	544. Bosquoy	2·50
490. Monk Myre	5·08	545. Castle Semple	2·50
491. Lindores	5·06	546. Heilen	2·50
492. Gelly	5·03	547. nan Gabhar	2·50
493. Kinord	5·03	548. St Margaret's	2·50
494. Dochart	5·02	549. Scarmclate	2·50
495. Broom	5·02	550. Tilt	2·50
496. Dhu (Portsonachan)	5·00	551. Bogton	2·00
497. Kirk Dam	5·00	552. Brough	2·00
498. Tùtach	4·88	553. Sand	2·00
499. Awe (Inver)	4·80	554. Sior	2·00
500. Sandy	4·76	555. Skail	2·00
501. Black (Tay)	4·73	556. Allt na Mult	1·50
502. Skene (Dee)	4·69	557. Buidhe (Tay)	1·50
503. Burriland	4·67	558. Isbister	1·50
504. na h-Ealaidh	4·66	559. Sabiston	1·50
505. na Garbh-Abhuinn	4·65	560. Stormont	1·50
506. na Moine	4·61	561. Wester	1·50
507. Littlester	4·55	562. Setter	1·00

TABLE V

FRESH-WATER LOCHS OF SCOTLAND (SOUNDED BY THE LAKE SURVEY)
ARRANGED ACCORDING TO VOLUME OF WATER

Loch.	Volume in Million Cubic Feet.	Loch.	Volume in Million Cubic Feet.
1. Ness	263,162	53. Doon	1,517
2. Lomond	92,805	54. Beinn a' Mheadhoin	1,435
3. Morar	81,482	55. an Dithreibh	1,366
4. Tay	56,550	56. Tummel	1,317
5. Awe (Etive)	43,451	57. Ossian	1,224
6. Maree	38,539	58. Tulla	1,167
7. Ericht	38,027	59. Beoraid	1,156
8. Lochy	37,726	60. Ard	1,150
9. Rannoch	34,387	61. Lubnaig	1,144
10. Shiel	27,986	62. Mhor	1,134
11. Katrine	27,274	63. Cam	1,063
12. Arkaig	26,573	64. Veyatie	1,062
13. Earn	14,421	65. Arianas	1,035
14. Treig	13,907	66. Voil	1,000
15. Shin	12,380	67. Stöck	988
16. Fannich	10,920	68. Harray	951
17. Assynt	8,731	69. Oich	890
18. Quoich	8,345	70. Garry (Tay)	846
19. Glass	8,265	71. Owskeich	846
20. Fionn (Guinard)	5,667	72. Obisary	837
21. Laggan	5,601	73. Dhùghaill (Carron)	823
22. More (Laxford)	4,928	74. Beannachan	819
23. Laoghal	4,628	75. na h-Oidhche	816
24. Dùn na Seilcheig	4,599	76. Ken	792
25. Fada (Ewe)	4,091	77. Calder	767
26. Hope	4,032	78. Garve	721
27. na Sheallag	3,948	79. Stenness	716
28. Garry (Ness)	3,794	80. Eilt	686
29. Frisa	3,603	81. Scamadale	685
30. Skinaskink	3,518	82. a' Bhraoin	669
31. Avich	3,327	83. Lungard	599
32. Luichart	3,288	84. Merkland	577
33. Monar	3,213	85. Menteith	562
34. Morie	3,201	86. Brora	553
35. Suainaval	2,843	87. Nell	515
36. Muick	2,771	88. na Meide	498
37. Mullardoch	2,553	89. Eilde Mòr	493
38. Naver	2,461	90. a' Bhaid-Luachraich	486
39. Langavat (Lewis)	2,388	91. Baddanloch	479
40. Eck	2,381	92. Grunavat	478
41. Leven	2,195	93. Lyon	461
42. Damh (Torridon)	2,183	94. Insh	454
43. Affric	2,146	95. an t-Seilich	448
44. Lurgain	2,140	96. a' Chlàir (Helmsdale)	446
45. a' Chroisg	2,057	97. Talla	443
46. St Mary's	2,018	98. Creagach	429
47. Vennachar	1,903	99. Fiodhaig	415
48. Coir' an Fhearna	1,886	100. na h-Earba (West)	408
49. Bad a' Ghail	1,768	101. Lintrathen	405
50. Laidon	1,762	102. Achall	401
51. Bà (Mull)	1,602	103. a' Bhealaich (Gairloch)	398
52. Clunie (Ness)	1,533	104. nan Cuinne	396

TABLE V—*continued*

Loch.	Volume in Million Cubic Feet.	Loch.	Volume in Million Cubic Feet.
105. Dubh (Gruinard)	374	162. Lowes (Tweed)	157
106. Chon (Forth)	358	163. Moy	157
107. Freuchie	347	164. Fadagoo	156
108. Bunacharan	343	165. Treallaval	156
109. Watten	341	166. Bad an Sgalaig	151
110. Kernsary	333	167. a' Mhuilinn	150
111. Achilty	332	168. Boardhouse	150
112. Achray	321	169. Black (Ryan)	149
113. a' Ghriama	314	170. Cròcach	148
114. Ashie	309	171. Nant	148
115. Girlsta	308	172. Iubhair	147
116. Scadavay (West)	306	173. na Leitreach	147
117. an Ruathair	304	174. Hunder	146
118. Leum a' Chlamhain	298	175. Dilate	145
119. Lochindorb	291	176. an Eilein (Spey)	144
120. Clair (Ewe)	287	177. Woodhall	144
121. Urigill	285	178. Killin	137
122. Thom	277	179. Dubh (Gairloch)	136
123. Calavie	276	180. Tariff	136
124. a' Bhaid Daraich	270	181. an Laghair	135
125. Caravat	270	182. an Duin (Spey)	134
126. Gladhouse	269	183. Ordie	133
127. Tralaig	267	184. Allt an Fhearna	132
128. Grennoch	263	185. Fad	132
129. Expansions of River Dee	261	186. na h-Airidh Sléibhe	131
130. Benisval	260	187. Skebacleit	128
131. Gainmheich (South)	246	188. Loyne (East)	123
132. Tollie	244	189. nan Geireann (Mill)	121
133. Migdale	242	190. Cliff	118
134. Swannay	242	191. Trool	116
135. a' Bhealaich (Naver)	238	192. an Leòid	114
136. Garbhaig	228	193. nan Eun (N. Uist)	114
137. Turret	222	194. Scadavay (East)	112
138. Arklet	222	195. Spiggie	111
139. Drumellie	222	196. Allt na h-Airbhe	110
140. Drunkie	217	197. an Staca	110
141. na Cuaich	214	198. Fada (Gruinard)	109
142. Bà (Tay)	206	199. an Draine	108
143. an Daimh (Shin)	205	200. Dereulich	108
144. Fada (N. Uist)	199	201. Harperrig	108
145. Doine	196	202. Kennard	108
146. Gorm Loch Mòr	196	203. Pataack	106
147. Knockie	194	204. Kilbirnie	105
148. Lowes (Tay)	194	205. nan Lann	105
149. Meiklie	193	206. Urrahag	105
150. Morlich	192	207. a' Choire	103
151. na h-Earba (East)	191	208. Eela	103
152. Daimh (Tay)	190	209. Loch	103
153. na Beinne Bàine	190	210. Clings	101
154. Fionn (Kirkraig)	186	211. Strom	101
155. Ruthven	180	212. Raonasgail	94
156. Benachally	178	213. Builg	93
157. nam Breac	172	214. na Craobhaig	93
158. Clunie (Tay)	170	215. White (Ryan)	92
159. Sgamhain	165	216. Coulin (Ewe)	90
160. Alvie	163	217. Crogavat	90
161. Dee	157	218. Skealtar	90

TABLE V—*continued*

Loch.	Volume in Million Cubic Feet.	Loch.	Volume in Million Cubic Feet.
219. Ailsh	88	276. Muckle Water	57
220. Dubh (Ailort)	87	277. a' Bhealaich (Aish)	56
221. Dungeon	87	278. Maberry	56
222. Gryfe	87	279. Whinyeon	56
223. Tingwall	87	280. Urr	56
224. Ghulbinn	85	281. an t-Slagain	55
225. Giorra	84	282. Baile a' Ghobhainn	55
226. Arthur	83	283. a' Ghobhainn	54
227. Kindar	83	284. an Gead	54
228. Vaara	80	285. Butterstone	53
229. Seil	79	286. Skeen (Annan)	53
230. a' Chlachain (Nairn)	78	287. a' Phearsain	52
231. Lundie (Garry)	78	288. na Creige Duibhe	52
232. Caol na Doire	77	289. Ochiltree	52
233. Kemp	77	290. Dibadale	51
234. Skiach	77	291. Forfar	51
235. na h-Achlaise	76	292. Hundland	51
236. Portmore	76	293. a' Chuilinn (Conon)	50
237. Teàrnait	75	294. Bodavat	50
238. Lochrutton	73	295. Inbhir	50
239. Scaisavat	73	296. nan Deaspoirt	50
240. an Tachdaidh	72	297. Borralan	49
241. Castle (Annan)	72	298. Craiglugh	49
242. Clousta	71	299. Hempriggs	49
243. Ederline	70	300. Strandavat	49
244. na Sàlach Uidhre	70	301. Huna	48
245. a' Mhiotailt	69	302. Edgelaw	47
246. an Tomain	69	303. Lochaber	47
247. Rescobie	69	304. Martnaham	47
248. Buidhe (Fleet)	68	305. Soulseat	47
249. Mochrum	68	306. Truid air Sgithiche	47
250. Skerrow	68	307. Aithness	46
251. Ussie	68	308. Fitty	46
252. Beannach (Inver)	67	309. Eion Mhic Alastair	45
253. Doire nam Mart	67	310. Leitir Easaich	45
254. Phitiùlais	67	311. Milton	45
255. a' Bharpa	66	312. More Barvas	45
256. Dubh-Mòr	66	313. an Laig Aird	44
257. Stacsavat	66	314. an Nostarie	44
258. Threipmuir	66	315. Auchenreoch	44
259. Castle (Bladenoch)	65	316. Dochard	44
260. Gartmorn	65	317. Hoglinns	44
261. Racinavat	65	318. Langavat (Benbecula)	44
262. Dhùgaill (Torridon)	63	319. Burga	43
263. Braigh Horrisdale	62	320. Gainmheich (North)	43
264. Liath	62	321. Monikie (South)	43
265. a' Bhaillidh	61	322. na Sreinge	43
266. an Stromore	61	323. Roer	43
267. Sealbhag	61	324. Shurrery	43
268. a' Ghlinne-Dorcha	60	325. an Dùna	41
269. Coire nam Meann	60	326. Fleet	41
270. nam Breac Dearga	60	327. Kinord	41
271. Skene (Dee)	60	328. Kirbister	41
272. na Mòine Buige	59	329. Loyne (West)	40
273. an Eilein (Gairloch)	58	330. na Moracha	39
274. Finlas	58	331. Poulary	39
275. Rosebery	58	332. Callater	38

TABLE V—*continued*

Loch.	Volume in Million Cubic Feet.	Loch.	Volume in Million Cubic Feet.
333. Deoravat	38	390. Monzievaird	24
334. Gown (South)	38	391. na Déighe fo Dheas	24
335. ic Colla	38	392. an Lagain	23
336. na Ceithir Eileana	38	393. Araich-Lin	23
337. nam Faoileag	38	394. Crunachan	23
338. St John's	38	395. Ghuiragarstidh	23
339. a' Bhuird	37	396. Lùnn dà-Bhrà	23
340. Eye	37	397. na Beithe	23
341. Hosta	36	398. na Lairige	23
342. Mill	36	399. Sloy	23
343. Druim Suardalain	35	400. Sròn Smeur	23
344. Morsgail	35	401. Balgavies	22
345. an Dùin (N. Uist)	34	402. Beannach (Gruinard)	22
346. Bhradain	34	403. Bhac	22
347. Fiart	34	404. Burntisland	22
348. Linlithgow	34	405. Castle Semple	22
349. nan Eun (Tay)	34	406. Black (Etive) (East)	21
350. Peppermill	34	407. Heilen	21
351. Chaluim	33	408. Scarmclate	21
352. Holl	33	409. Drummond	20
353. an Droighinn	32	410. Kinghorn	20
354. Droma	32	411. na Claise Fèarna	20
355. Fingask	32	412. Oban a' Chlachain	20
356. Gelly	32	413. Veiragvat	20
357. Long	32	414. Airidh na Lic	19
358. More (Thurso)	32	415. Broom	19
359. Sguod	32	416. Chùil na Sithe	19
360. Achanalt	31	417. Eileach Mhic' ille Riabhaich	19
361. Carlingwark	31	418. Harrow	19
362. Crò Crìosdaig	31	419. Lochinvar	19
363. Crombie Den	31	420. Awe (Inver)	18
364. Fender	31	421. na Moine	18
365. Harperleas	31	422. Uanagan	18
366. Howie	31	423. Black (Etive) (Mid)	17
367. White of Myrton	30	424. Muckle Lunga	17
368. Craggie	30	425. Oban nam Fiadh	17
369. Harelaw	30	426. Ree	17
370. Hermidale	29	427. Whitefield	16
371. Hoil	29	428. Bradan	16
372. Kilchoan (Upper)	29	429. Eigheach	16
373. Tankerness	28	430. Gleann a' Bhearraidh	16
374. an Losgainn Mòr	27	431. Kilchoan (Lower)	16
375. Breaclauch	27	432. Kilconquhar	16
376. Snarravoe	27	433. Leodsay	16
377. Vatandip	27	434. North-house	16
378. Dornal	26	435. Valtos	16
379. Heouravay	26	436. a' Chonnachair	15
380. Kilcheran	26	437. a' Vullan	15
381. Monikie (North)	26	438. Birka	15
382. nan Druimnean	26	439. Kirk	15
383. Olavat	26	440. nan Eun (Ness)	15
384. Punds	26	441. a' Bhainne	14
385. an Tuirc	25	442. Gown (North)	14
386. Davan	25	443. Anna	13
387. Syre	25	444. Beag	13
388. Ceò-Glas	24	445. Bran	13
389. Lindores	24	446. Bruadale	13

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TABLE V—continued

Loch.	Volume in Million Cubic Feet.	Loch.	Volume in Million Cubic Feet.
447. Drumlamford . . .	13	505. na Doire Daraich . . .	7
448. Hostigates . . .	13	506. na Gealaich . . .	7
449. Littlester . . .	13	507. Shechernich . . .	7
450. Lochenbreck . . .	13	508. Spynie . . .	7
451. na h-Ealaidh . . .	13	509. Wester . . .	7
452. Skaill . . .	13	510. a' Buaille . . .	6
453. Anchenchapel . . .	13	511. an Dubh (Lochy) . . .	6
454. Bad a' Chrotha . . .	12	512. Dallas . . .	6
455. Cuil Airidh a' Flod . . .	12	513. Hightae Mill . . .	6
456. Derclach . . .	12	514. na Bi . . .	6
457. Geal . . .	12	515. na Garbh-Abhuinn . . .	6
458. Kirk Dam . . .	12	516. nan Aùscot . . .	6
459. na Coinnich . . .	12	517. Monk Myre . . .	6
460. Tormasad . . .	12	518. Loch on Eilean Subhainn . . .	6
461. a' Chlachain (Lewis) . . .	11	519. Bogton . . .	5
462. Buraland . . .	11	520. Brouster . . .	5
463. Clickhimin . . .	11	521. Brow . . .	5
464. Eldrig . . .	11	522. Isbister . . .	5
465. Màma . . .	11	523. Kinellan . . .	5
466. na Beiste . . .	11	524. Kirriereoch . . .	5
467. na Stainge . . .	11	525. Lure . . .	5
468. nan Garbh Chlachain . . .	11	526. nan Gabhar . . .	5
469. Peerie . . .	11	527. nan Ràth . . .	5
470. Aboyne . . .	10	528. Pitlyal . . .	5
471. Allan . . .	10	529. Sabiston . . .	5
472. Aslaich . . .	10	530. Stormont . . .	5
473. Black (Etive) (West) . . .	10	531. an t-Seasgain . . .	4
474. Con (Tay) . . .	10	532. Crann . . .	4
475. Dochart . . .	10	533. Duddingston . . .	4
476. Essan . . .	10	534. Grass . . .	4
477. Gamhna . . .	10	535. Maol a' Choire . . .	4
478. na h-Eaglais . . .	10	536. Tùtach . . .	4
479. nan Geireann . . .	10	537. Blairs . . .	3
480. Tarruinn an Eithir . . .	10	538. Cornish . . .	3
481. Airidh na Ceardaich . . .	9	539. Duartmore . . .	3
482. an Iasgaich . . .	9	540. Magillie . . .	3
483. Laide . . .	9	541. na Garbh-Abhuinn Ard . . .	3
484. Lochnaw . . .	9	542. Scoly . . .	3
485. Lundie (Clunie) . . .	9	543. a' Chladaich . . .	2
486. Moraig . . .	9	544. an Tairbeirt Stuaighaich . . .	2
487. Muck . . .	9	545. Black (Tay) . . .	2
488. Rae . . .	9	546. Brough . . .	2
489. Sandy . . .	9	547. Buidhe (Tay) . . .	2
490. Flugarth . . .	8	548. Choire na Cloich . . .	2
491. Fyntalloch . . .	8	549. Dubh (Etive) . . .	2
492. Mhic' ille Riabhaich . . .	8	550. Dubh (Ness) . . .	2
493. na Craige . . .	8	551. na Creige Leithe . . .	2
494. Skae . . .	8	552. Rainbow . . .	2
495. White (Tay) . . .	8	553. Sior . . .	2
496. a' Chaoruinn . . .	7	554. Tilt . . .	2
497. Asta . . .	7	555. nan Losganan . . .	1
498. Bosquoy . . .	7	556. Sand . . .	1
499. Clubbi Shuns . . .	7	557. Uaine . . .	0·7
500. Collaster . . .	7	558. Dubh (Forth) . . .	0·6
501. Cults . . .	7	559. Setter . . .	0·6
502. Dhomhnuill Bhig . . .	7	560. Dhu (Portsonachan) . . .	0·5
503. Fithie . . .	7	561. St Margaret's . . .	0·4
504. Moor Dam . . .	7	562. Allt na Mult . . .	0·1

TABLE VI

FRESH-WATER LOCHS OF SCOTLAND (SOUNDED BY THE LAKE SURVEY)
SHOWING SUMMARY OF PHYSICAL RESULTS

Basins.	Number of Lochs.	Number of Sound- ings.	Volume in Million Cubic Feet.	Area of Lochs in Square Miles.	Drainage Area.	
					Total in Square Miles.	Ratio to Area of Lochs.
Forth	13	3,825	36,543	17·02	227·66	13·38
Tay	59	6,851	151,353	39·81	1099·52	27·62
Inver, Roe, Kirkaig, Polly, Garvie	21	2,540	20,355	12·64	150·44	11·9
Morar	3	1,284	82,686	10·99	65·63	6·0
Ewe	14	2,473	44,530	14·80	185·51	12·5
Shiel, Ailort, nan Uamh .	6	1,191	28,967	3·58	99·97	11·65
Conon	16	2,188	29,850	11·65	366·33	31·5
Shin	11	1,564	14,538	12·11	239·69	19·8
Naver, Borgeie, Kinloch, Hope	11	1,409	15,615	11·06	239·46	21·7
Beaully	13	841	11,227	5·76	215·26	37·4
Lochy	12	2,570	85,855	19·88	293·42	14·8
Ness	33	4,385	280,923	34·25	689·14	20·1
Brora, Helmsdale . . .	11	700	2,756	6·68	202·89	30·4
Wick, Wester, Heilen, Dunnet, Thurso, Forss	9	681	1,319	4·82	168·25	34·9
Laxford, Scourie, Badcall, Duartmore	10	994	6,679	3·35	59·20	17·7
Broom, Gruinard . . .	11	1,141	11,312	7·10	111·50	15·7
Gairloch, Torridon, Carron	12	1,098	4,921	3·90	98·46	25·2
Alsh, Aline, Leven . . .	10	570	2,067	2·51	85·25	33·9
Oban, Feochan, Seil, Mel- fort	13	855	1,328	1·66	34·03	20·5
Bute, Eachaig	3	372	2,525	2·07	44·89	21·7
Doon, Girvan, Stinchar, Ryan, Galdenoch . . .	13	1,028	1,935	3·40	75·16	22·1
Luce, Bladenoch, Cree .	15	594	427	2·12	35·43	16·7
Fleet, Dee	13	954	1,951	4·02	298·89	74·4
Urr, Nith, Annan . . .	14	599	652	1·79	24·77	13·7
Tweed, Monikie, Lunan, Dee, Slains	16	879	5,762	4·24	121·19	28·6
Spey	13	663	2,053	2·63	350·50	133·3
Lossie, Findhorn, Nairn .	10	655	5,179	3·50	42·41	12·1
Lismore, Mull, Benbecula	11	728	5,475	3·75	35·54	9·5
North Uist	40	3,751	3,026	8·66	45·29	5·2
Lewis	30	2,896	7,409	9·64	151·98	15·8
Orkney	14	932	2,321	9·98	90·36	9·1
Shetland	31	1,707	1,416	5·36	51·89	9·7
Forth (Reservoirs) . . .	20	1,065	998	3·07	43·69	14·2
Etive	21	2,619	48,451	18·19	307·55	16·9
Clyde	7	2,487	93,331	29·00	314·40	10·8
Tay, Linnhe	3	106	79	0·23	3·51	15·3
	562	59,195	1,015,814 = 6·9 cubic miles	340·22	6669·06	19·6

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¹ The spelling of the names of the lochs is uniform with that used in the 6-inch Ordnance Survey maps.

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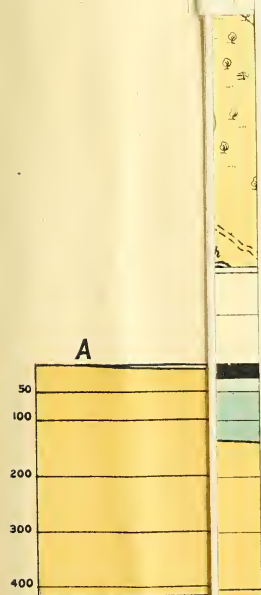
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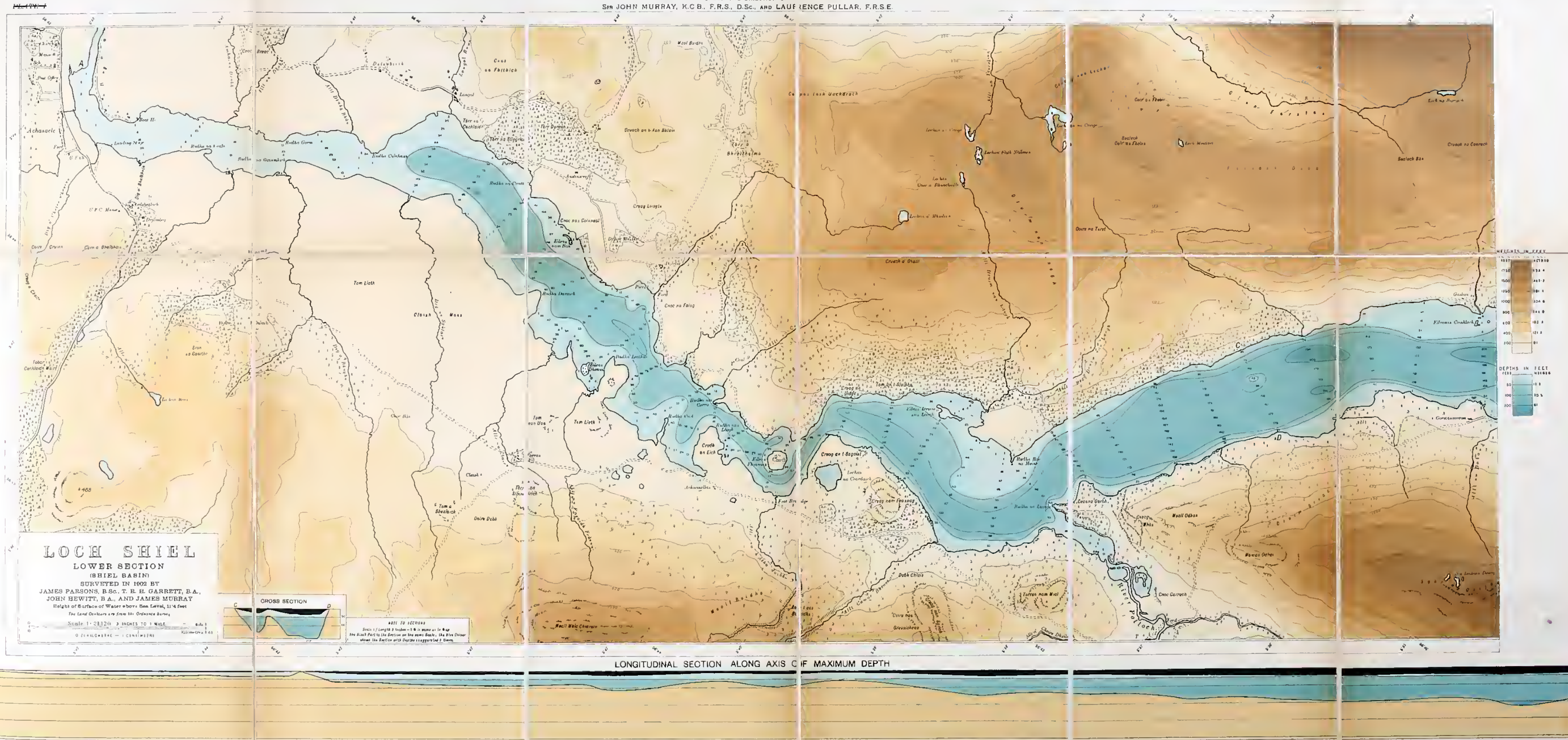
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MAPS



BATHYMETRICAL SURVEY OF THE FRESH-WATER LOCHS OF SCOTLAND

UNDER THE DIRECTION OF
SIR JOHN MURRAY, K.C.B., F.R.S., D.Sc., AND LAURENCE PULLAR, F.R.S.E.







BA THYMETRICAL SURVEY OF THE FRESH-WATER LOCHS OF SCOTLAND

UNDER THE DIRECTION OF
SIR JOHN MURRAY, K.C.B., F.R.S., D.Sc., AND LAUR ENCE PULLAR, F.R.S.E.

LOCH SHIEL

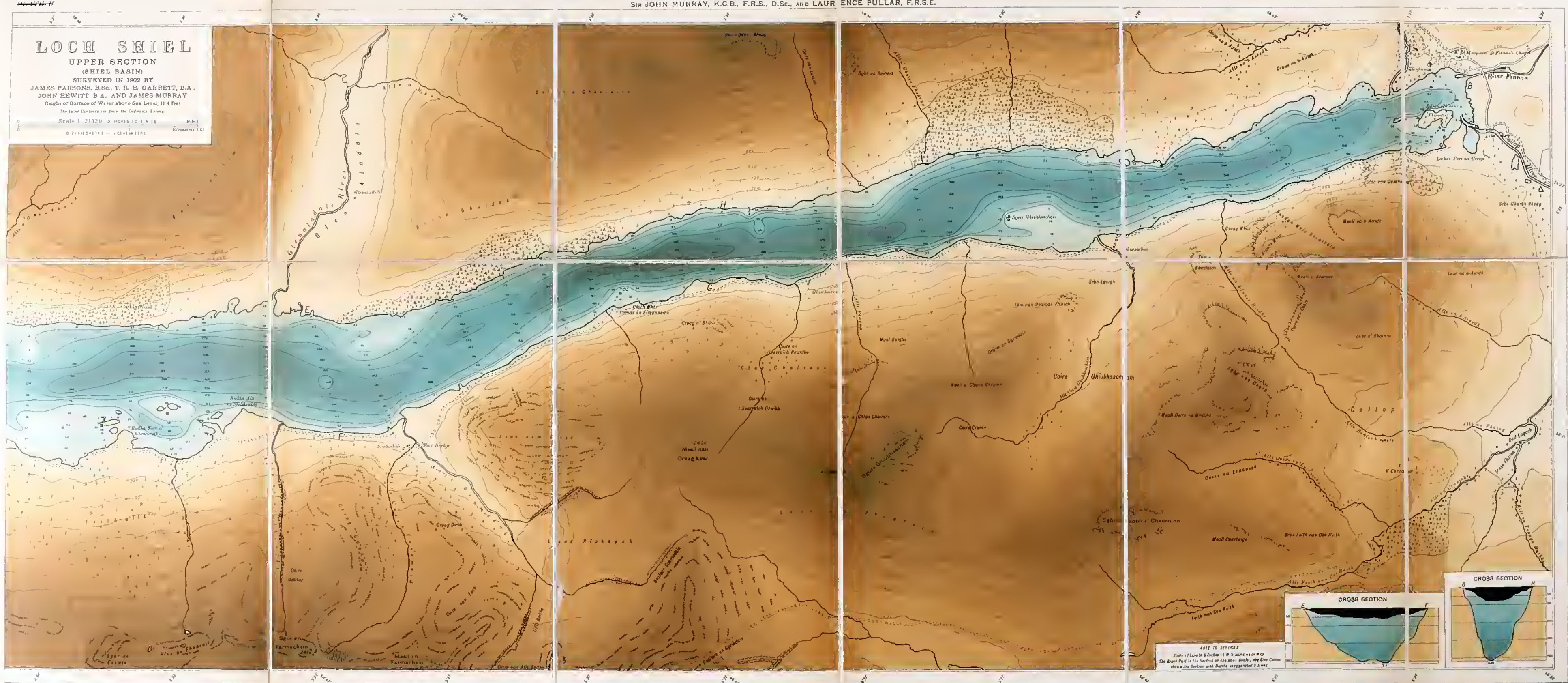
UPPER SECTION (SHIEL BASIN)

SURVEYED IN 1902 BY
JAMES PARSONS, B.Sc., T. R. H. GARRETT, B.A.,
JOHN EDWITT, B.A., AND JAMES MURRAY

Height of Surface of Water above Sea Level, 114 Feet

Scale 1:21,120 = 1 inch to 1 mile

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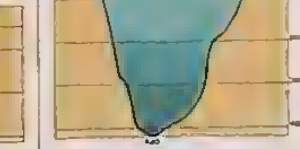
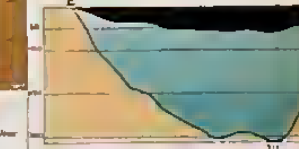


HEIGHTS IN FEET
2150
2000
1900
1800
1700
1600
1500
1400
1300
1200
1100
1000
900
800
700
600
500
400
300
200

DEPTHS IN FEET
114
100
90
80
70
60
50
40
30
20
10
0

CROSS SECTION

CROSS SECTION



NOTE TO SETTLERS
Scale of Length & Breadth — 1 inch = 1 mile as in Map
The Water Part in this Section on the left is the River Shiel
when in the Section with Depth exaggerated 3 times

LONGITUDINAL SECTION ALONG AXIS OF MAXIMUM DEPTH



UNDER THE DIRECTION OF

5.97.



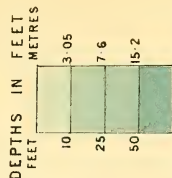
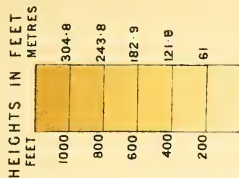
The Edinburgh Geographical Institute

LONGITUDINAL SECTION ALONG AXIS OF MAXIMUM DEPTH



55

J.G. Bartholomew



NOTE TO SECTIONS

Scale of Length 3 inches = 1 Mile same as in Map.

The Black Part is the Section on the same Scale ; the Blue Colour shows the Section with Depths exaggerated 5 times.

PLATE

5°33'

5°32'

LOCH EILT

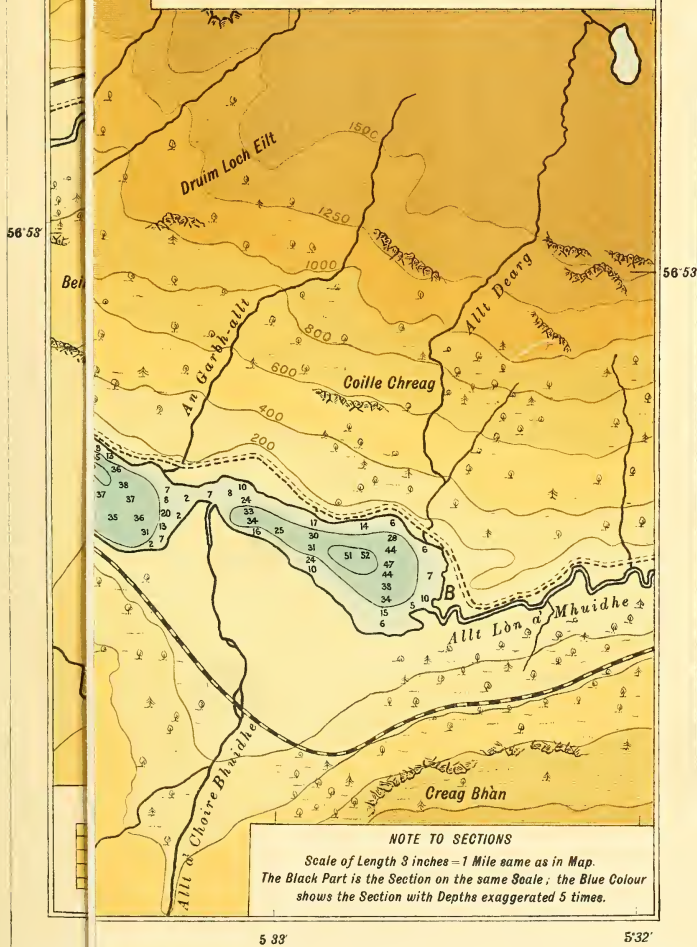
(AILORT BASIN)

SURVEYED IN 1902 BY

JAMES PARSONS, B.Sc., AND T. R. H. GARRETT, B.A.

Height of Surface of Water above Sea Level, 96·4 feet

The Land Contours are from the Ordnance Survey



HEIGHTS IN FEET
METRES

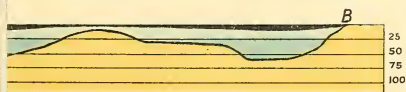
FEET	METRES
1500	457·2
1250	381·1
1000	304·8
800	243·8
600	182·9
400	121·9
200	61

DEPTHS IN FEET
METRES

FEET	METRES
25	7·6
50	15·2
75	22·9
100	30·5

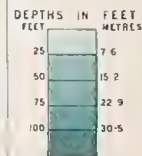
NOTE TO SECTIONS

Scale of Length 3 inches = 1 Mile same as in Map.
The Black Part is the Section on the same Scale; the Blue Colour
shows the Section with Depths exaggerated 5 times.

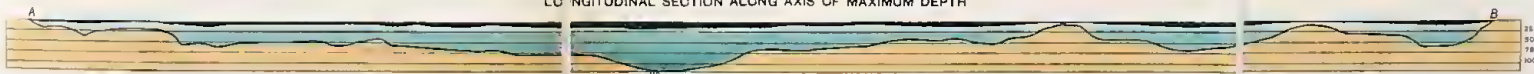


The Edinburgh

J G Bartholomew



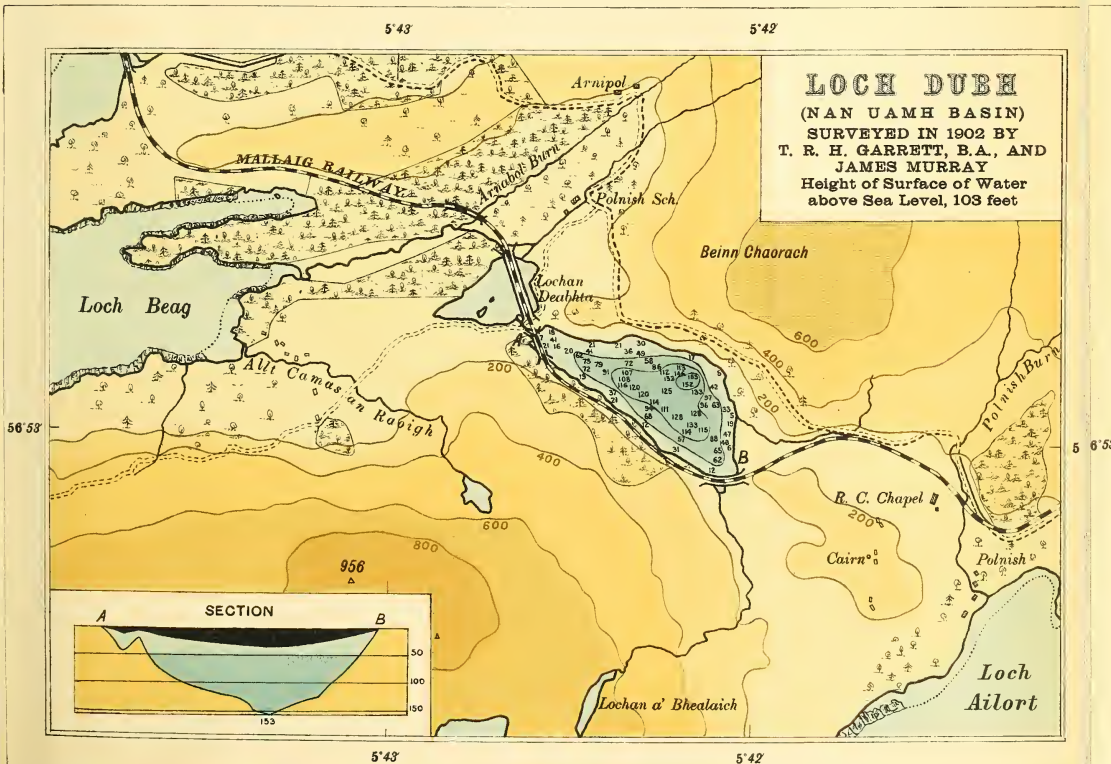
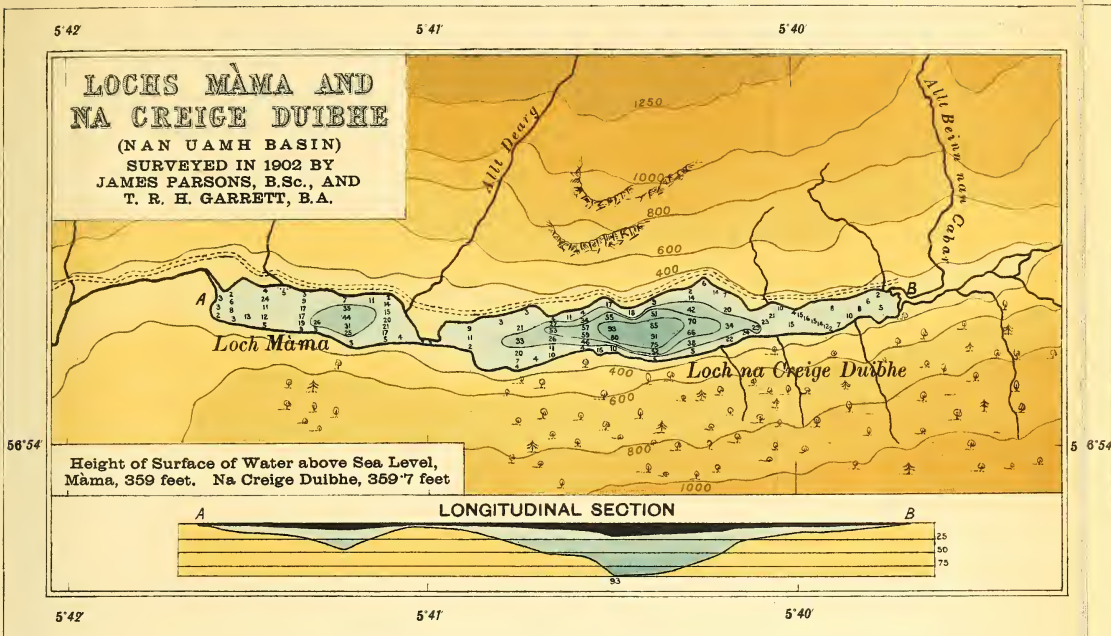
LONGITUDINAL SECTION ALONG AXIS OF MAXIMUM DEPTH



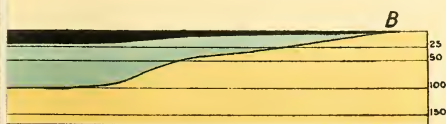
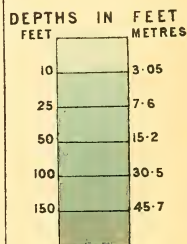
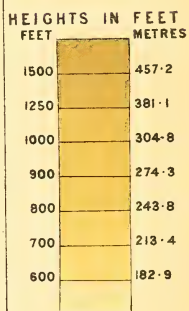
BATHYMETRICAL SURVEY OF THE FRESH-WATER LOCHS OF SCOTLAND

UNDER THE DIRECTION OF

SIR JOHN MURRAY, K.C.B., F.R.S., D.Sc., AND LAURENCE PULLAR, F.R.S.E.



OTLAND



BATHYMETRICAL SURVEY OF THE FRESH-WATER LOCHS OF SCOTLAND

UNDER THE DIRECTION OF

SIR JOHN MURRAY, K.C.B., F.R.S., D.Sc., AND LAURENCE PULLAR, F.R.S.E.

PLATE I

LOCHS CRANN, A'CHROISG

AND GOWN

(CONON BASIN)

SURVEYED IN 1902 BY R. M. CLARK, B.Sc.,

JOHN HEWITT, B.A., AND JAMES MURRAY

Height of Surface of Water above Sea Level

Loch Crann, 513·7 feet. Loch A'Chroisg, 508·4 feet

The Land Contours are from the Ordnance Survey

Scale 1:21120 3 INCHES TO 1 MILE

Mile 1

0 21 KILOMETRE — 1 CENTIMETRE

Kilometre 1-61

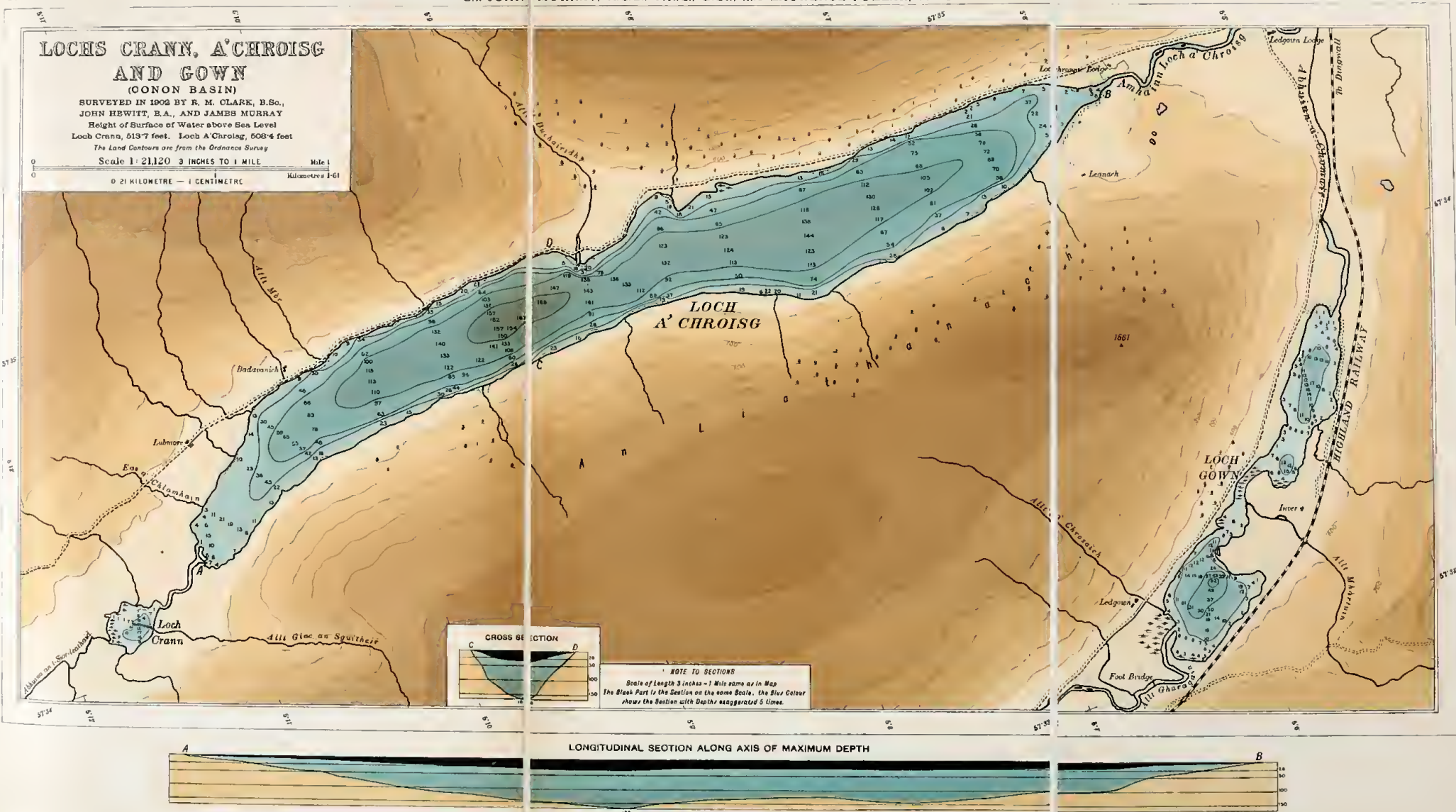
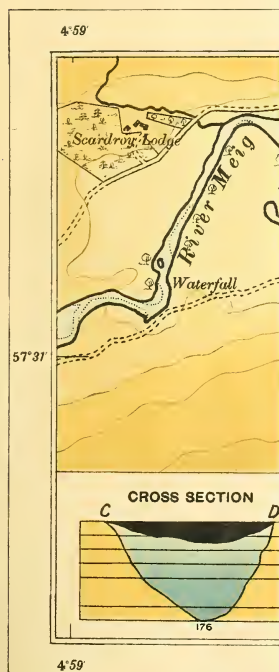
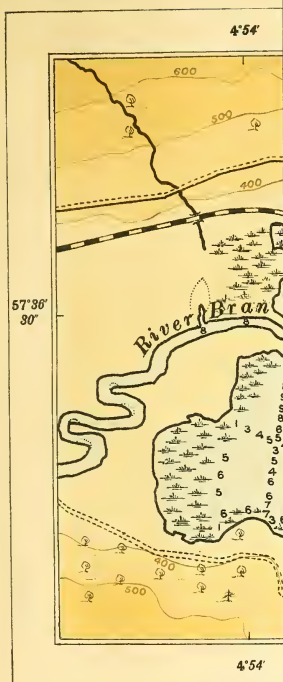


PLATE II



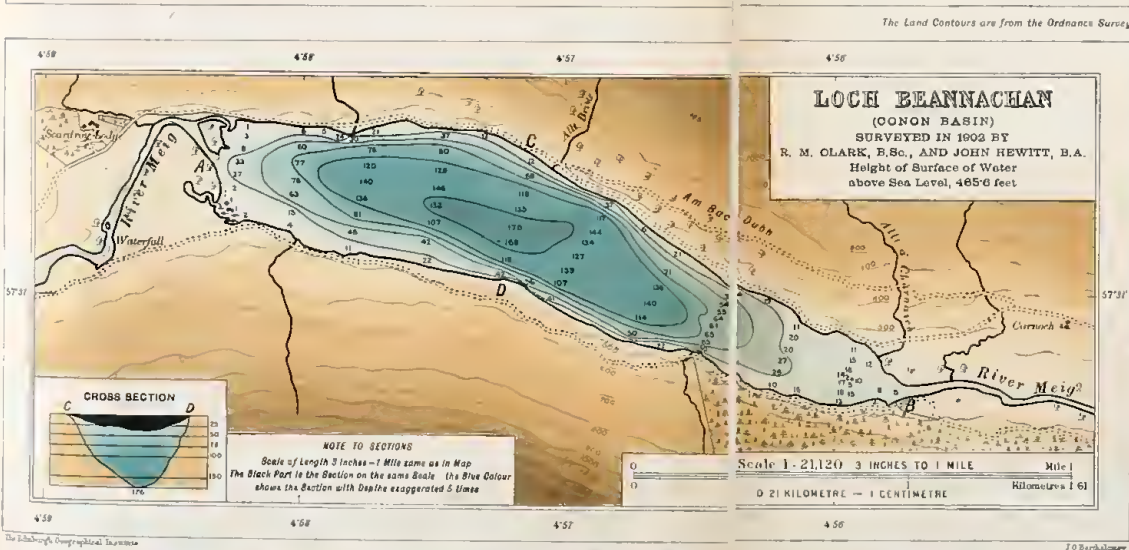
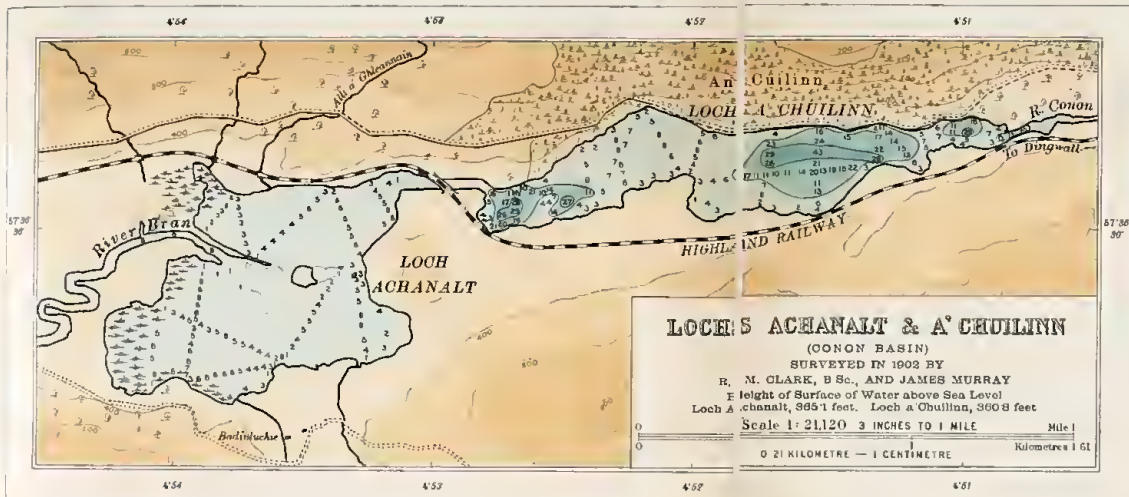
The Edinburgh Geographical Institute

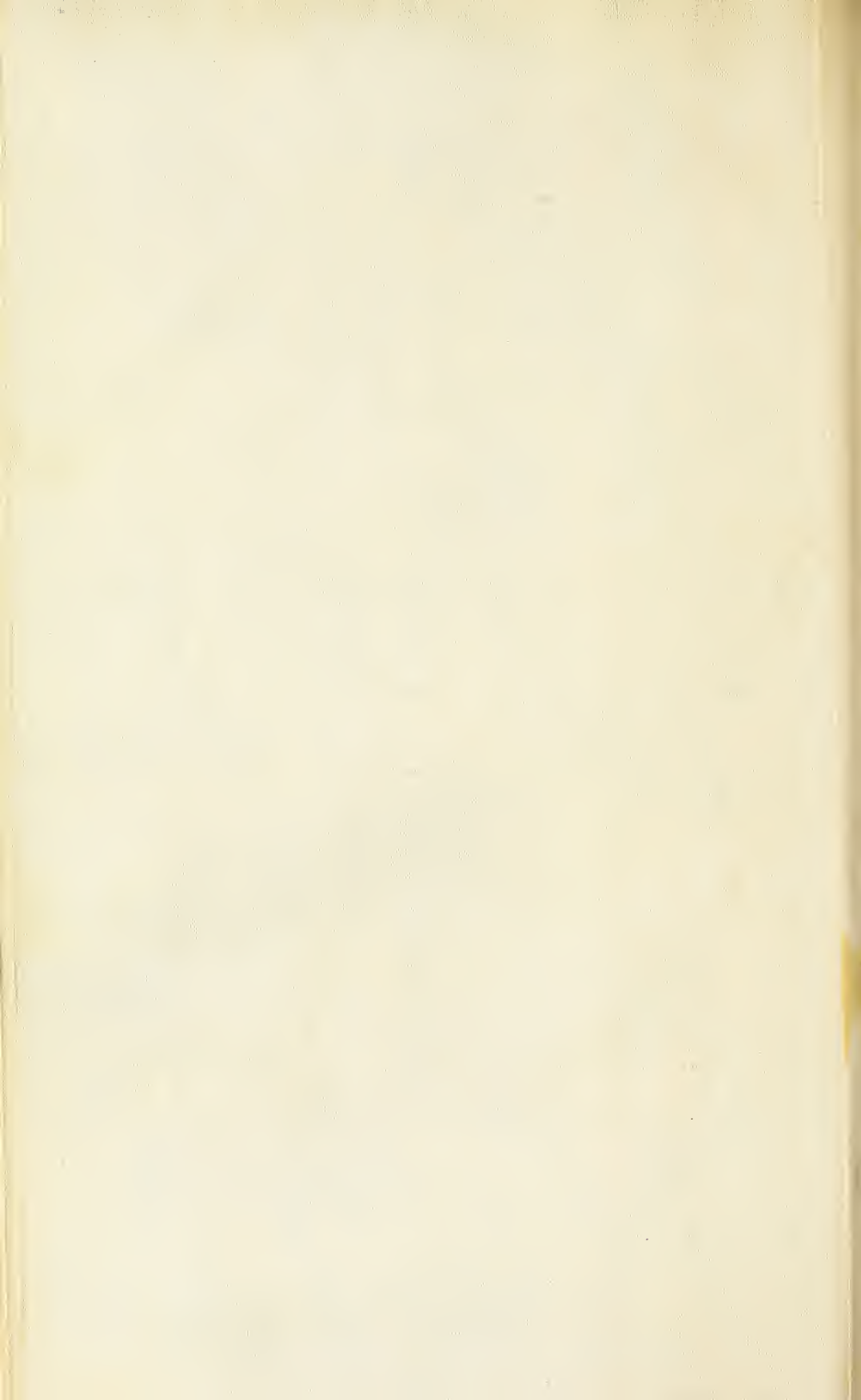


BATHYMETRICAL SURVEY OF THE FRESH-WATER LOCHS OF SCOTLAND

PLATE H

UNDER THE DIRECTION OF
SIR JOHN MURRAY, K.C.B., F.R.S., D.Sc., AND LAURENCE PULLAR, F.R.S.E.





4°55'

LOCH FANNICH

(CONON BASIN)

SURVEYED IN 1902 BY

JOHNSTON, M.B., C.M., JOHN HEWITT B.A.,
M. CLARK, B.Sc., AND JAMES MURRAY

Height of Surface of Water above Sea Level, 821.9 feet

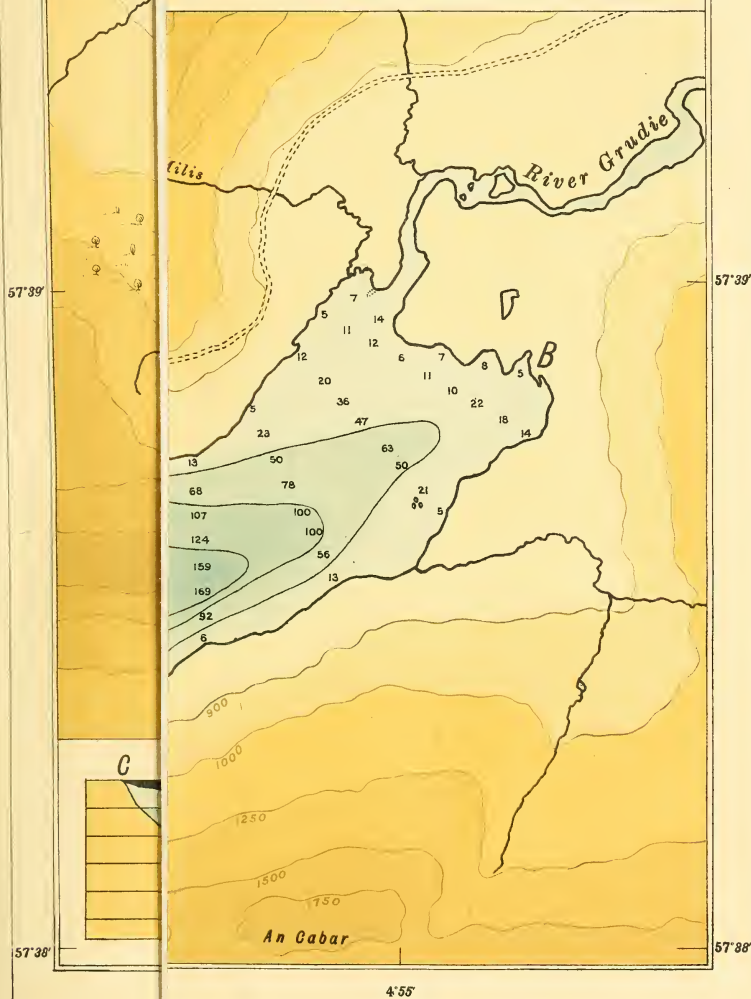
The Land Contours are from the Ordnance Survey

Scale 1:21,120 3 INCHES TO 1 MILE

Mile 1

0.21 KILOMETRE — 1 CENTIMETRE

Kilometres 1.61

HEIGHTS IN FEET
METRES

FEET	METRES
2750	838.2
2500	762
2250	685.8
2000	609.6
1750	533.4
1500	457.2
1250	381.1
1000	304.8
900	274.3

DEPTHS IN FEET
METRES

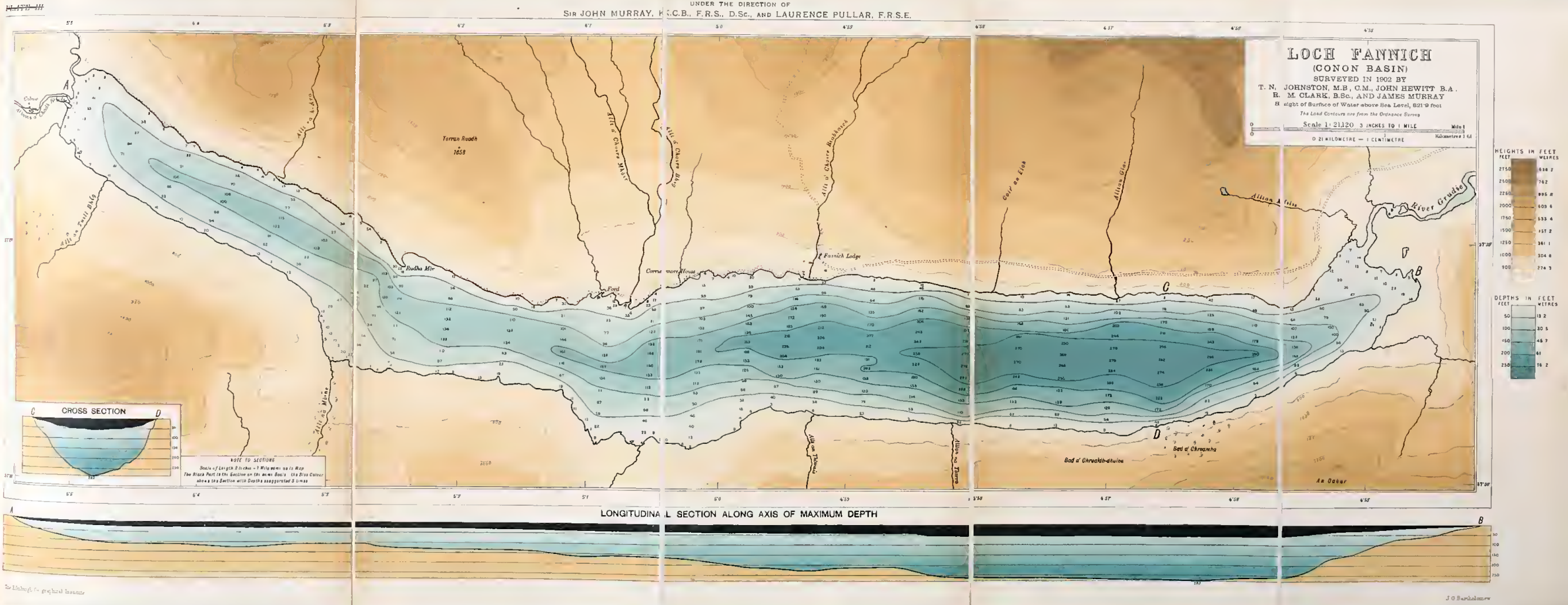
FEET	METRES
50	15.2
100	30.5
150	45.7
200	61
250	76.2



BATHYMETRICAL SURVEY OF THE FRESH-WATER LOCHS OF SCOTLAND

UNDER THE DIRECTION OF
SIR JOHN MURRAY, K.C.B., F.R.S., D.Sc., AND LAURENCE PULLAR, F.R.S.E.

LIX.



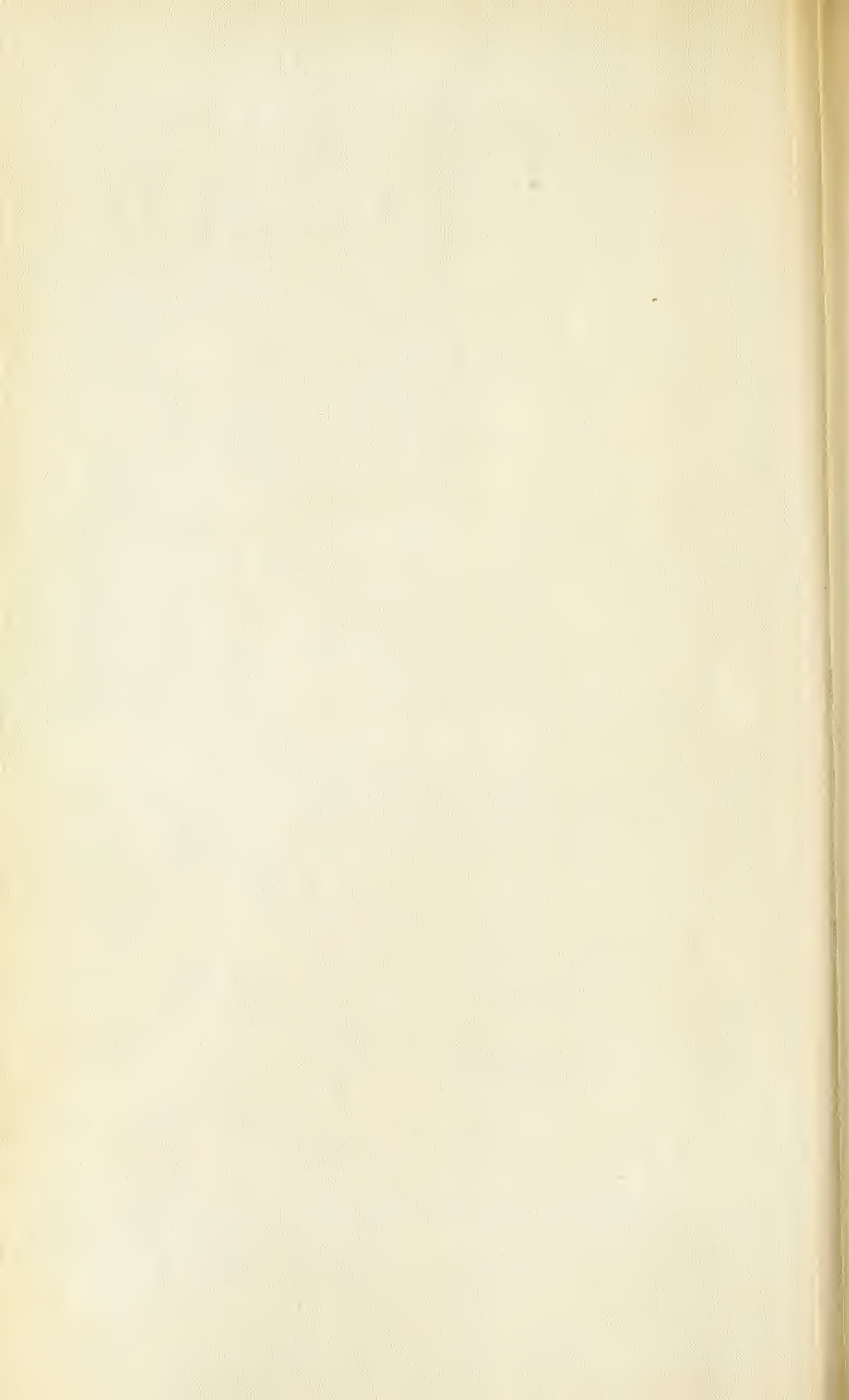


PLATE IV

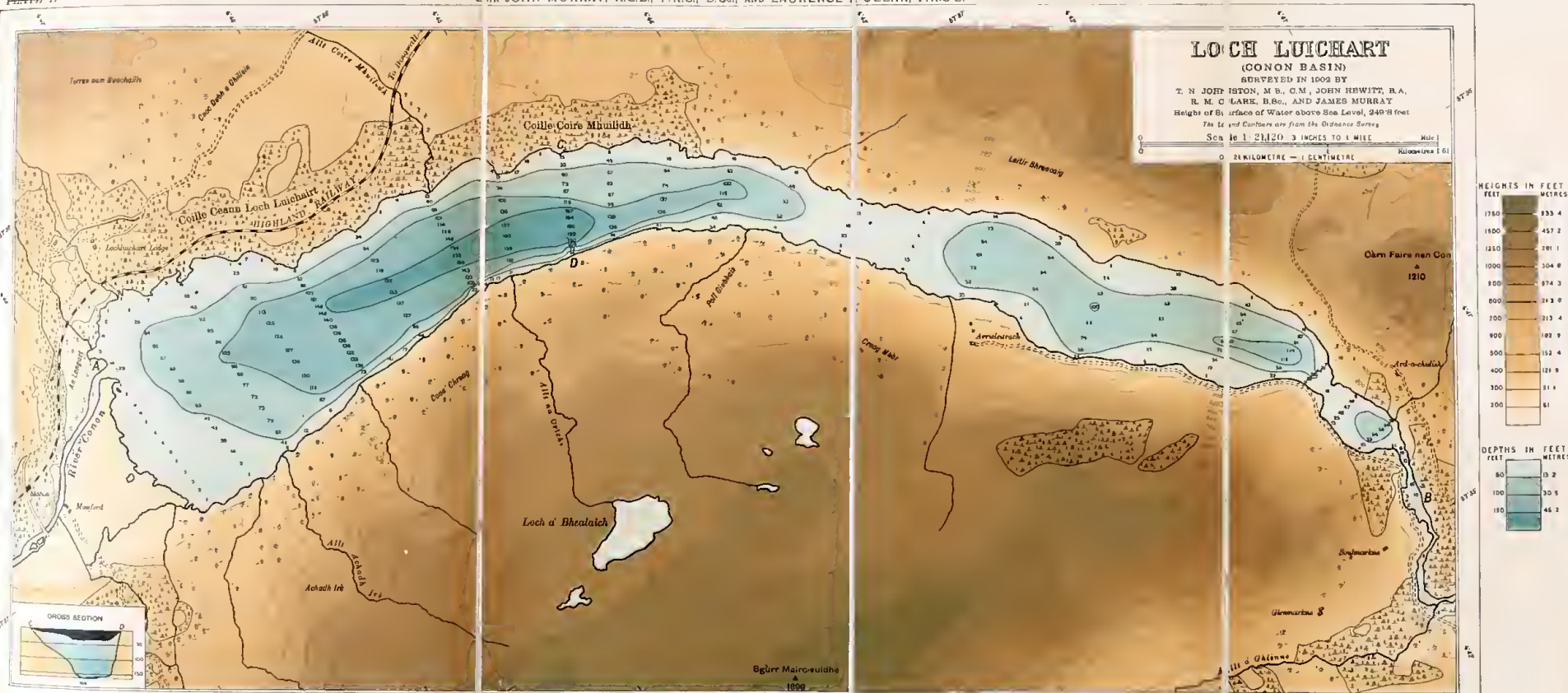


BATHYMETRICAL SURVEY OF THE FRESH-WATER LOCHS OF SCOTLAND

UNDER THE DIRECTION OF

SIR JOHN MURRAY, K.C.B., F.R.S., D.Sc., AND LAURENCE PULLAR, F.R.S.E.

PLATE IV



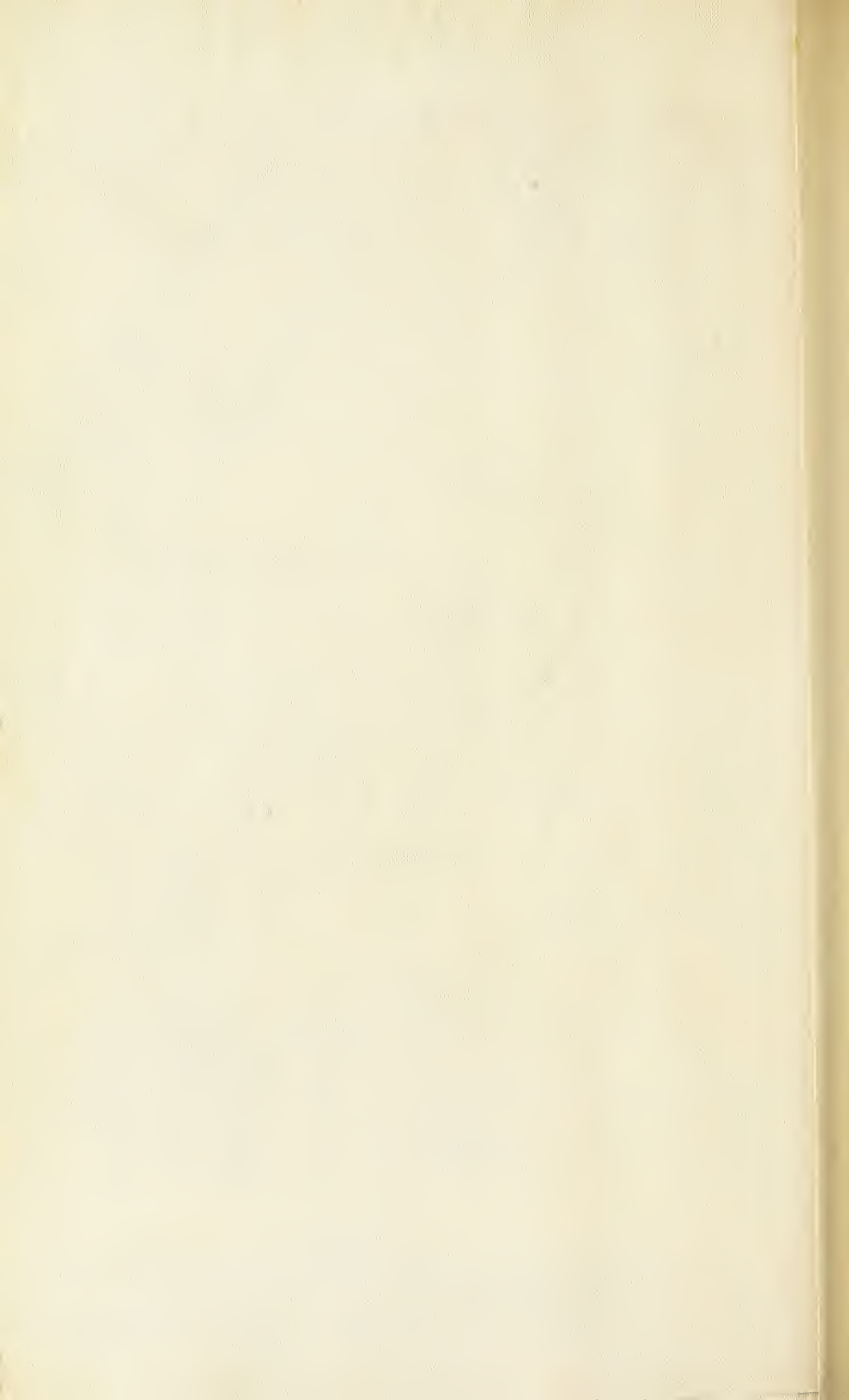
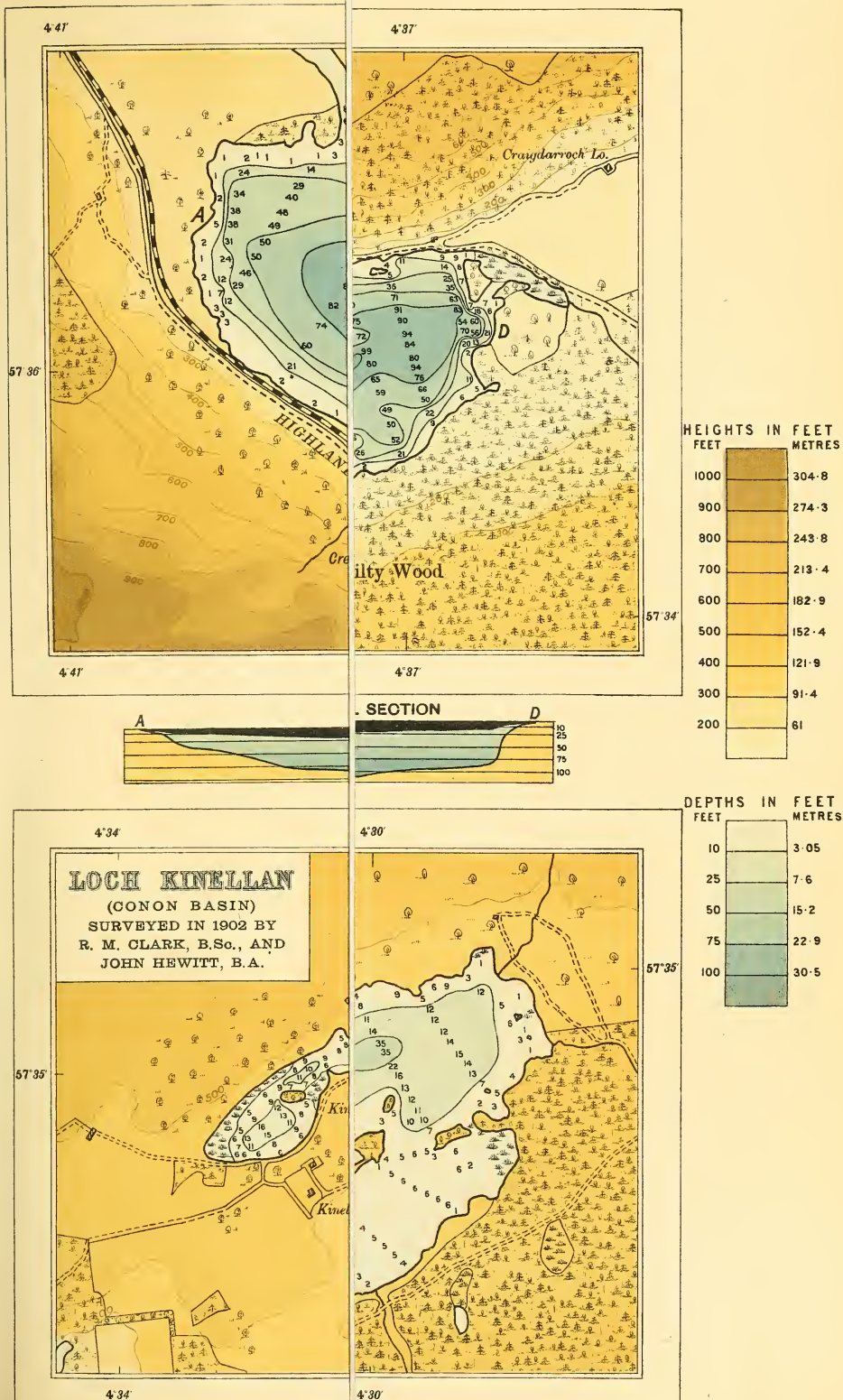


PLATE V

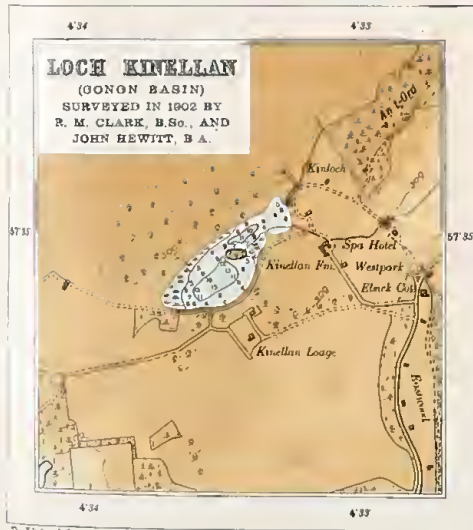
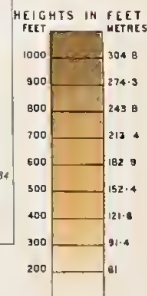
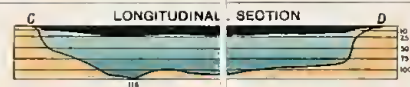
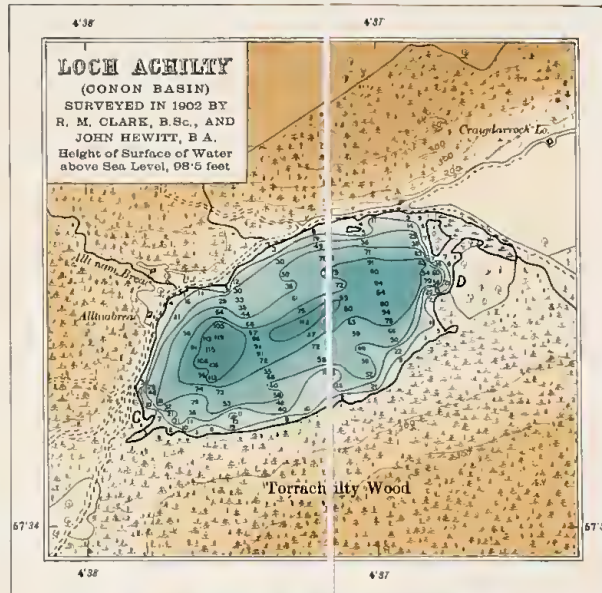
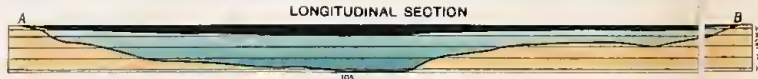
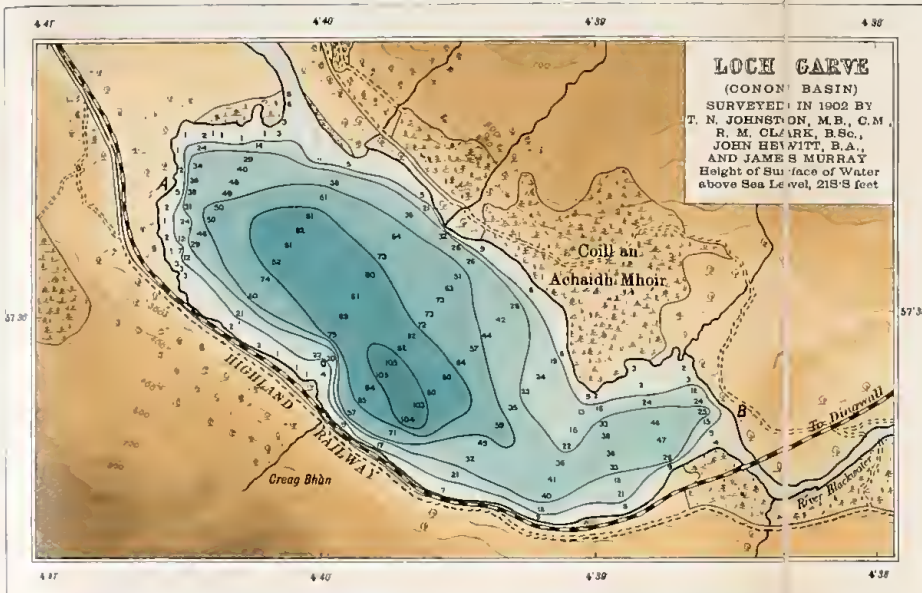


BATHYMETRICAL SURVEY OF THE FRESH-WATER LOCHS OF SCOTLAND

UNDER THE DIRECTION OF

SIR JOHN MURRAY, K.C.S., F.R.S., D.S.C., AND LAURENCE PULLAR, F.R.S.E.

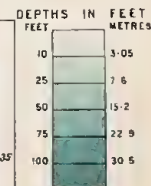
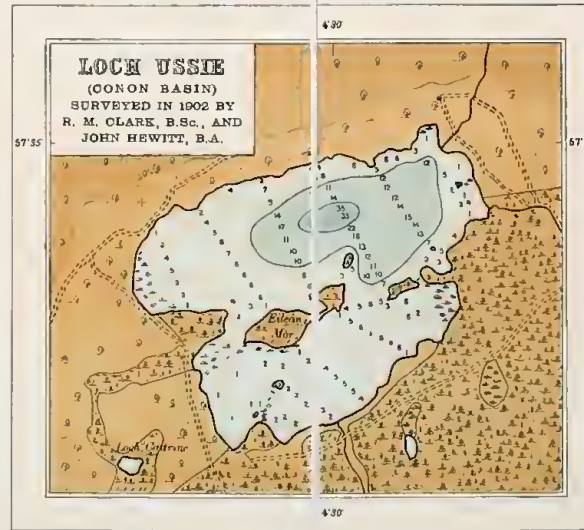
PLATE V

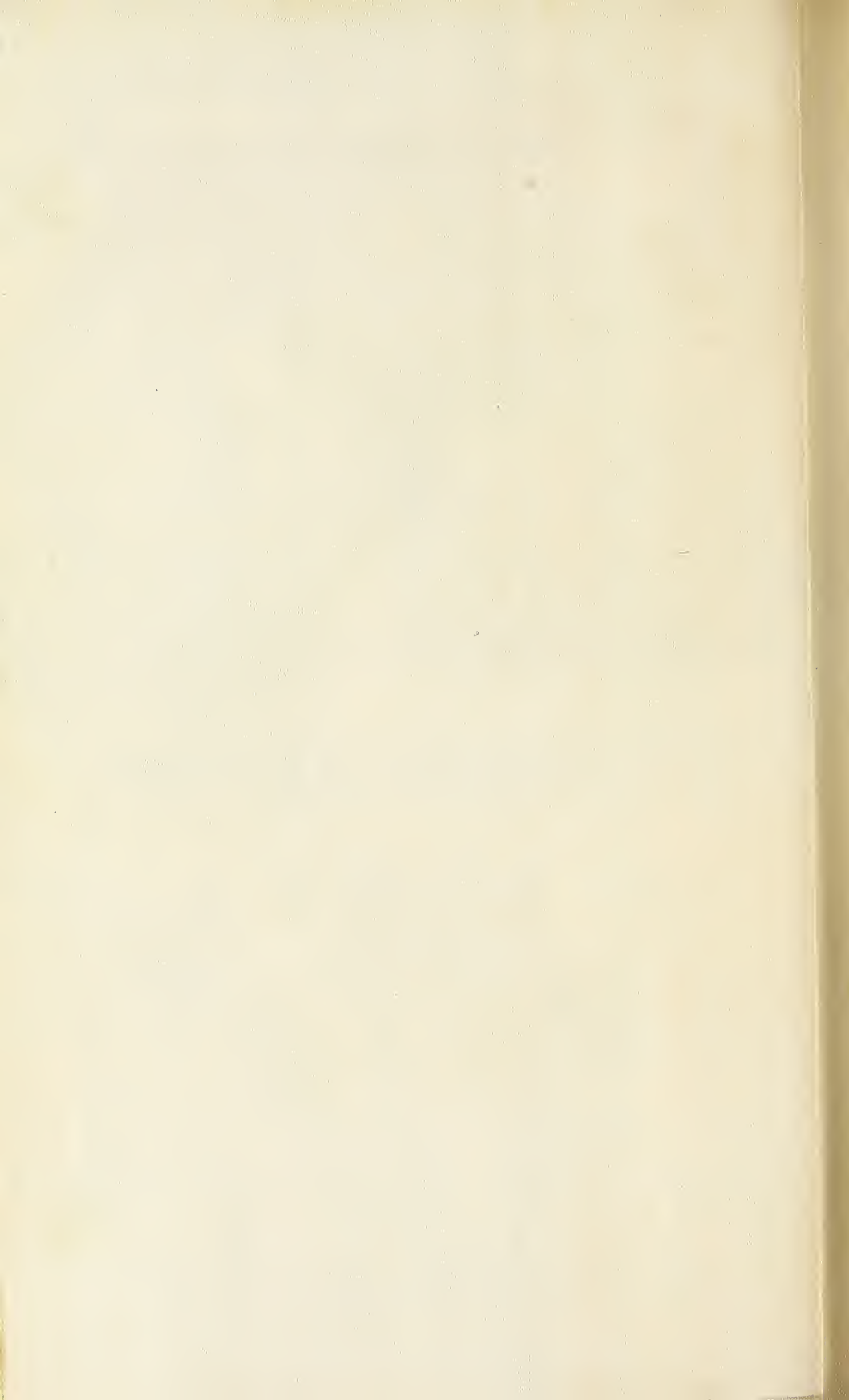


NOTE TO SECTIONS
Scale of Length 3 inches = 1 Mile same as in Map
The Black Part in the Section on the same Scale, the Blue Colour
shows the Section with Depths exaggerated 3 times.

The Land Contours are from the Ordnance Survey

Scale 1:21,120 3 INCHES TO 1 MILE
0 21 KILOMETRE — 1 CENTI METRE





LOCH GLASS

(CONON BASIN)

SURVEYED IN 1902 BY

T. N. JOHNSTON, M.B., C.M., R. M. CLARK, B.Sc., AND
JOHN HEWITT, B.A.

The Land Contours are from the Ordnance Survey

Scale 1:21,120 3 INCHES TO 1 MILE

Mile 1

0 21 KILOMETRE 1 CENTIMETRE

Kilometres 1.61

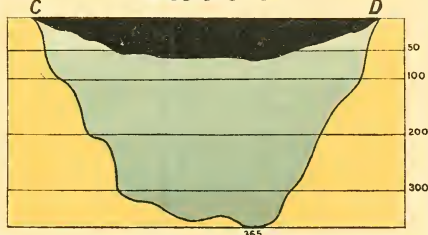
HEIGHTS IN FEET
FEET METRES

2500	762
2250	685.8
2000	609.6
1750	533.4
1500	457.2
1250	381.1
1000	304.8
900	274.3
800	243.8

DEPTHS IN FEET
FEET METRES

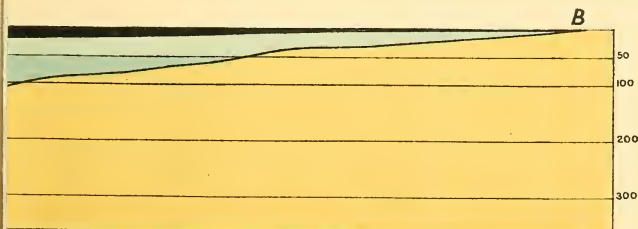
50	15.2
100	30.5
200	61
300	91.4

CROSS SECTION



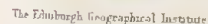
TO SECTIONS

notes - 1 Mile same as in Map.
on the same Scale; the Blue Colour
with Depths exaggerated 5 times.



UNDER THE DIRECTION OF

SIR JOHN MURRAY, K.C.B., F.R.S., D.Sc., AND LAURENCE PULLAR, F.R.S.E.

~~PLATE 14~~

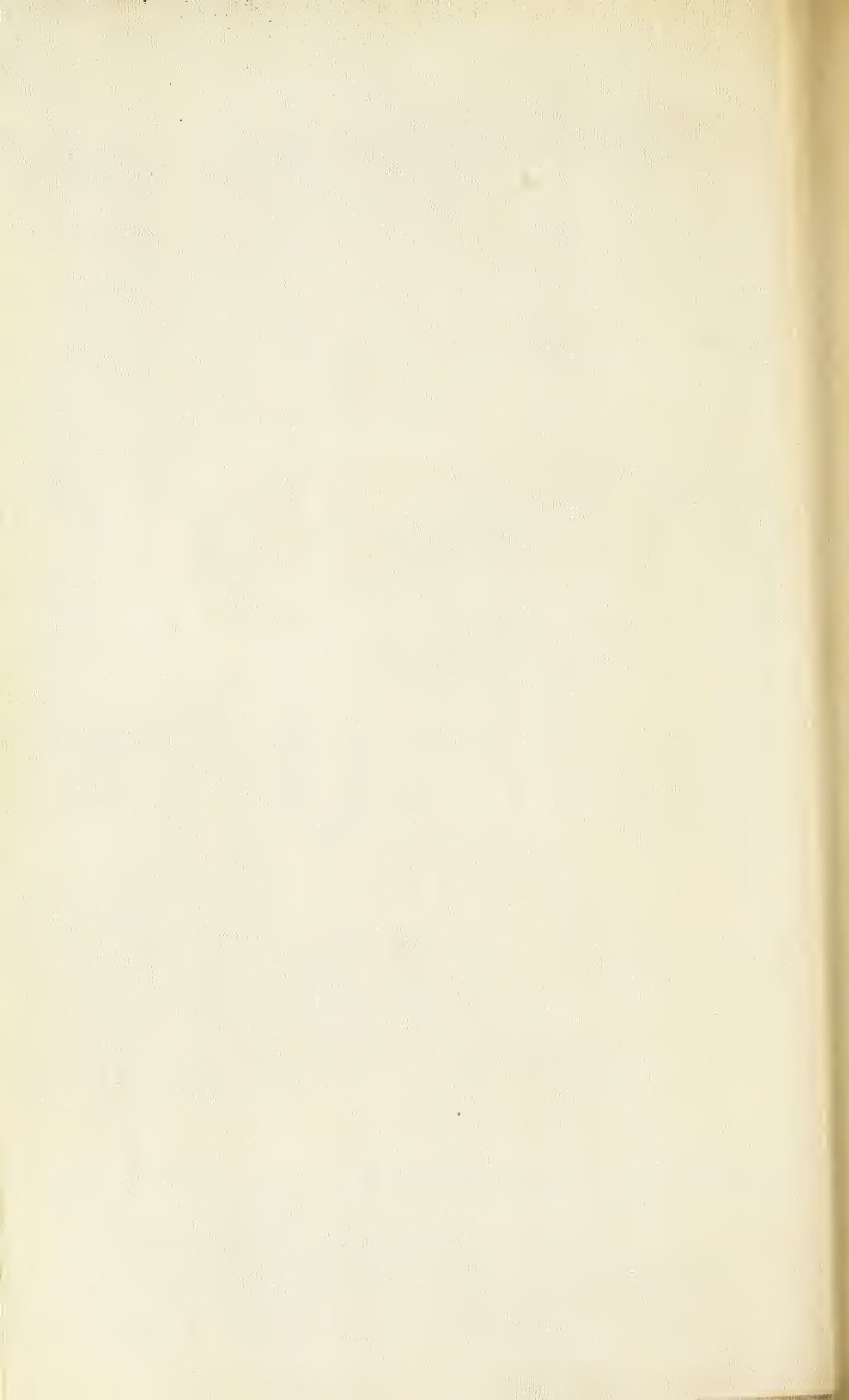
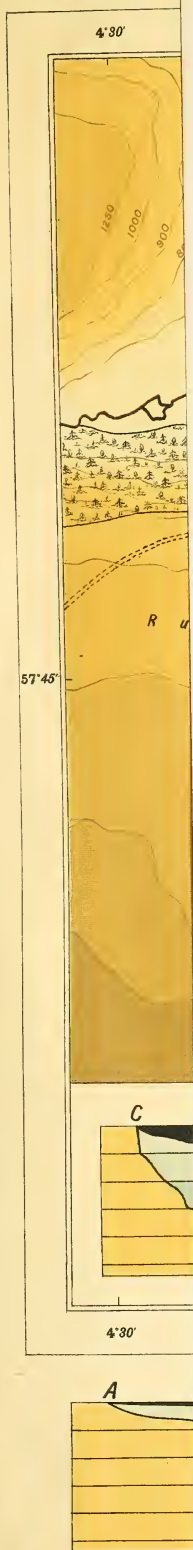


PLATE VII



BATHYMETRICAL SURVEY OF THE FRESH-WATER LOCHS OF SCOTLAND

PLATE VII

UNDER THE DIRECTION OF
SIR JOHN MURRAY, K.C.B., F.R.S., D.Sc., AND LAURENCE PULLAR, F.R.S.E.

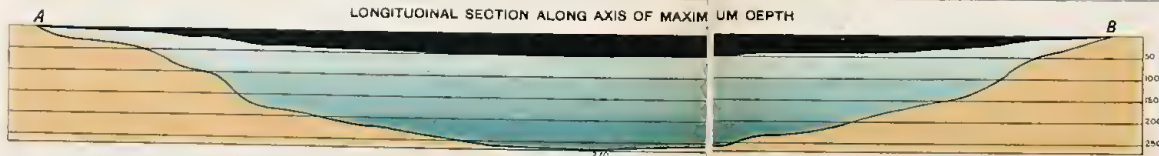
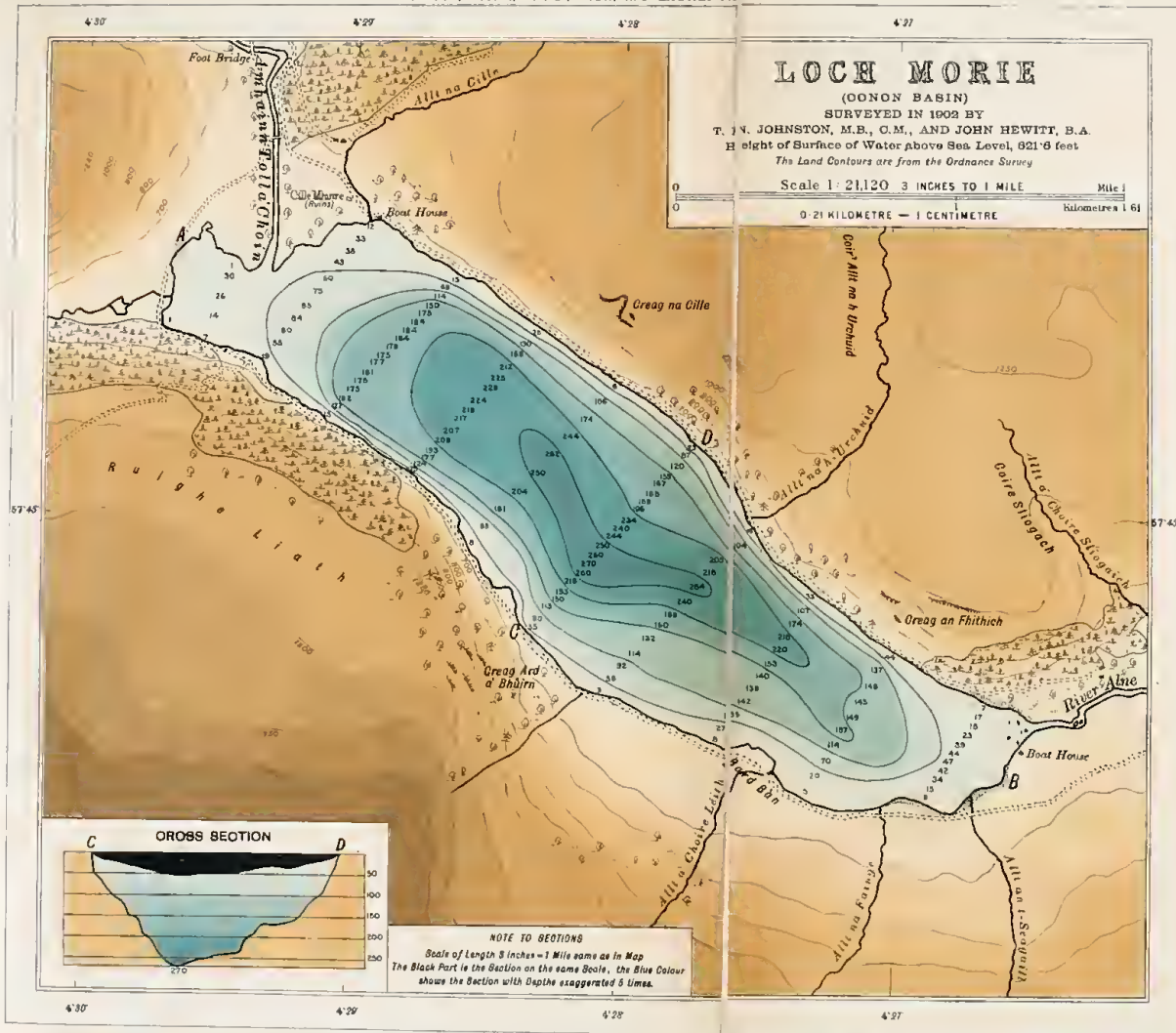
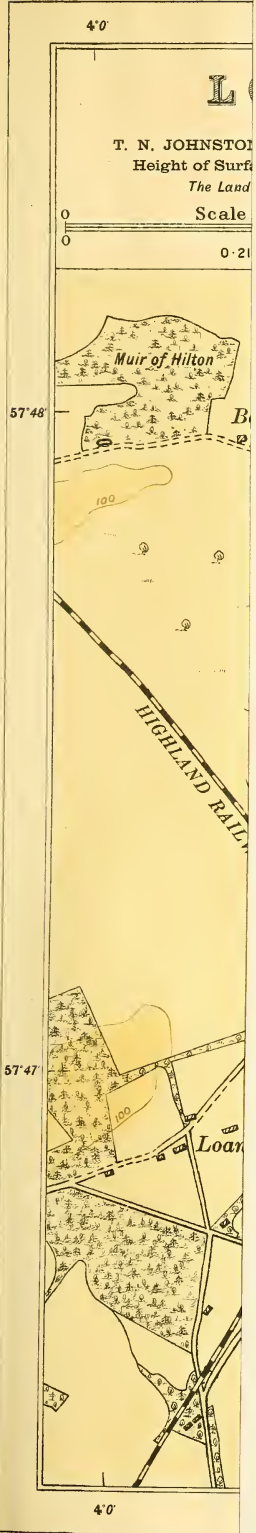


PLATE VII



BATHYMETRICAL SURVEY OF THE FRESH-WATER LOCHS OF SCOTLAND

UNDER THE DIRECTION OF

SIR JOHN MURRAY, K.C.S., F.R.S., D.Sc., AND LAURENCE PULLAR, F.R.S.E.

PLATE 1711

LOCH EYE

SURVEYED IN 1902 BY

T. N. JOHNSTON, M.B., O.M., AND JOHN HEWITT, S.A.

Height of Surface of Water above Sea Level, 47·8 feet

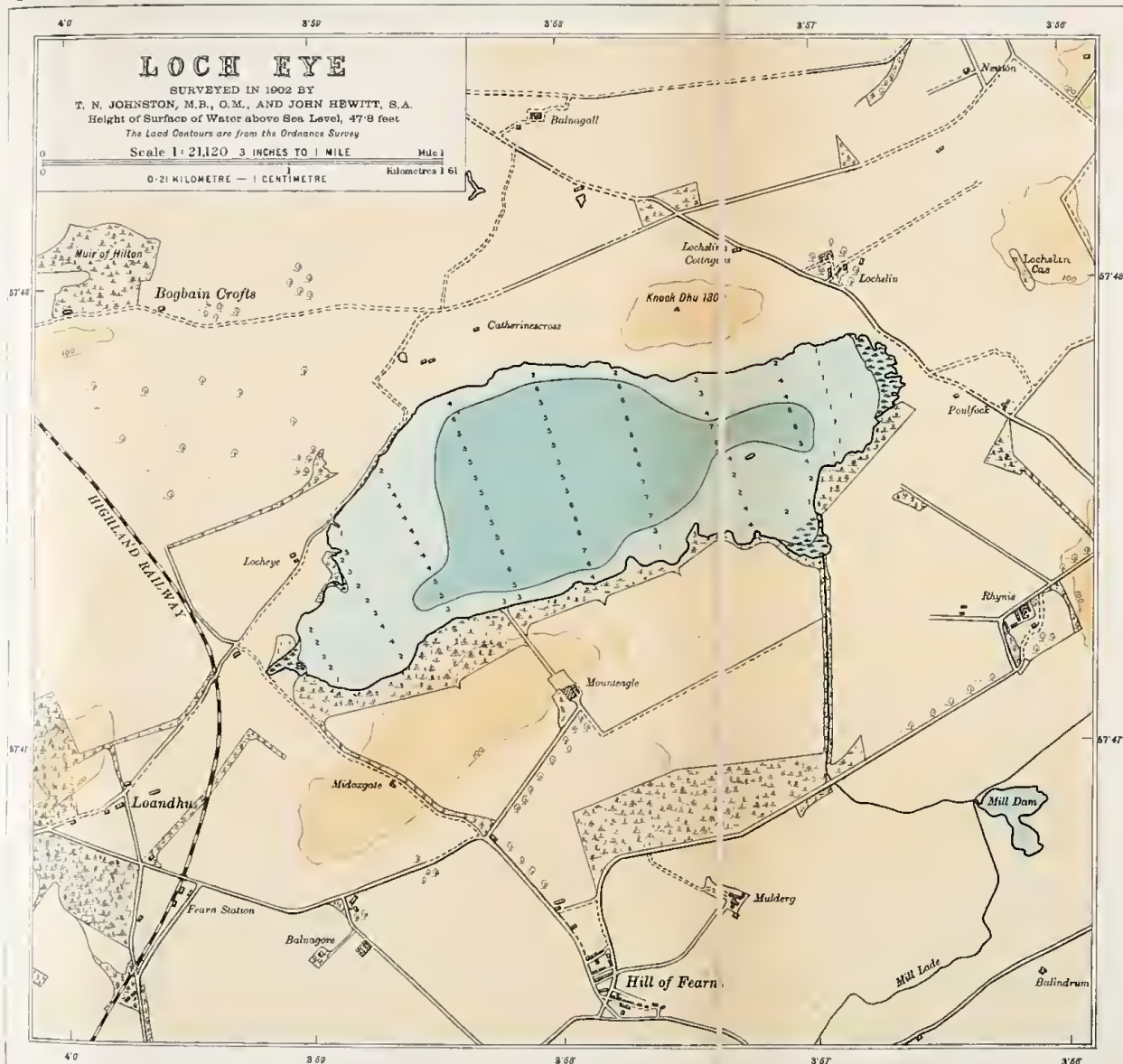
The Land Contours are from the Ordnance Survey

Scale 1:21,120 3 INCHES TO 1 MILE

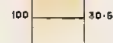
1 Mile

0·21 KILOMETRE — 1 CENTIMETRE

Kilometres 1:61



HEIGHTS IN FEET
METRES



DEPTHS IN FEET
METRES



PL

8. 2. 5

CA

8. 4. 4

5812

8. 4. 6

crion

BATHYMETRICAL SURVEY OF THE FRESH-WATER LOCHS OF SCOTLAND

UNDER THE DIRECTION OF
SIR JOHN MURRAY, K.C.B., F.R.S., D.Sc., AND LAUFENCE PULLAR, F.R.S.E.

THE GEOGRAPHICAL JOURNAL 1905

LOCH SHIN

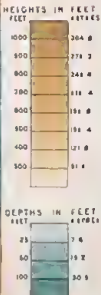
UPPER SECTION
(SHIN BASIN)

SURVEYED IN 1902 BY
SIR JOHN MURRAY, K.C.B., F.R.S., D.Sc.,
AND JAMES MURRAY

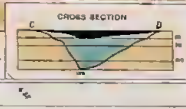
Height of Surface of Water above Sea Level, 970.85 feet
The Land Contours are from the Ordnance Survey

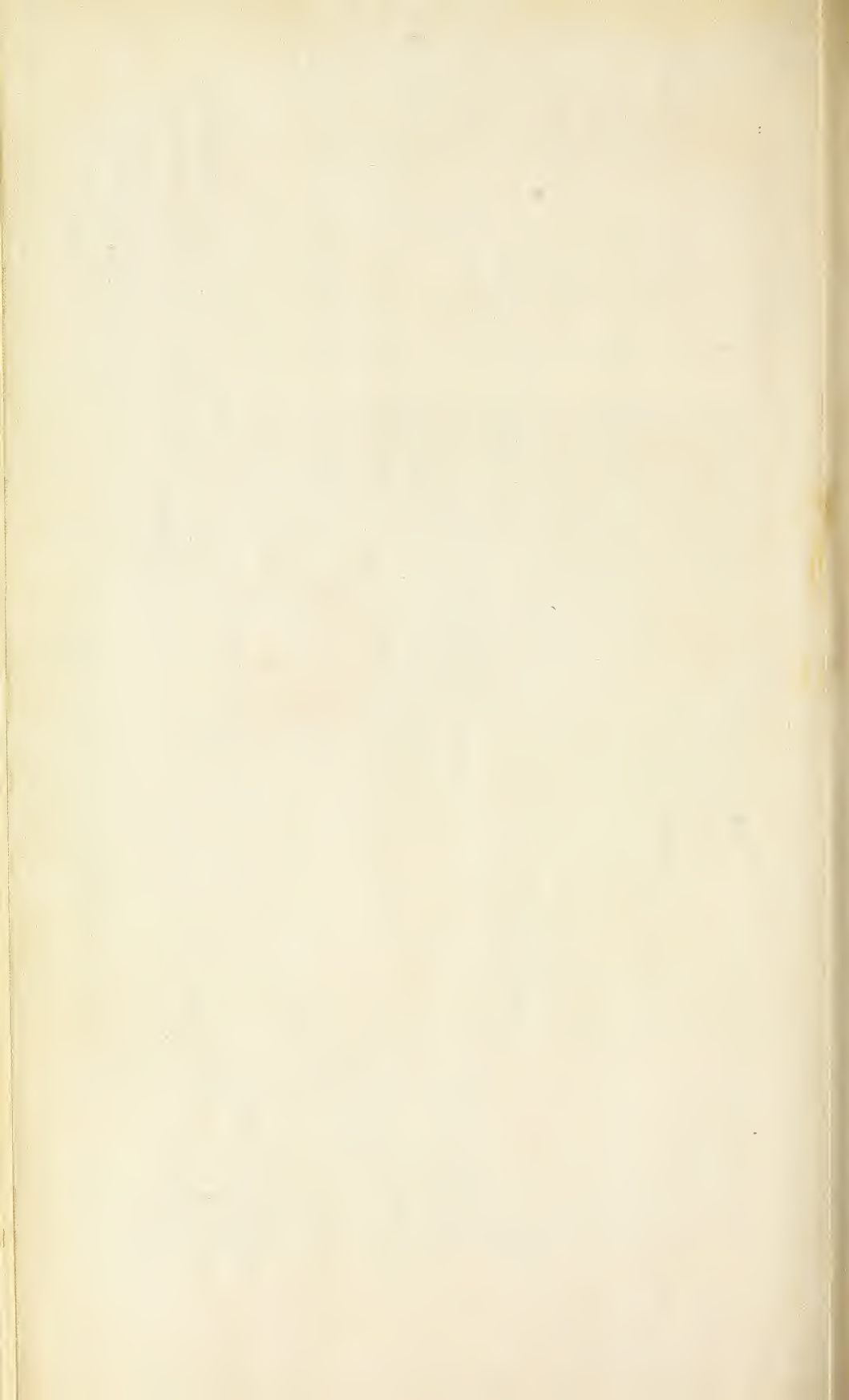
Scale 1:25,000 1 inch to 1 mile

1:25,000 1 inch to 1 mile



NOTE TO SECTION
The section is of length 3 miles and is in the direction of the flow of the water. The section is shown in the diagram below.





1
1
4
3
1
5
15
2
1

BATHYMETRICAL SURVEY OF THE FRESH-WATER LOCHS OF SCOTLAND

UNDER THE DIRECTION OF
SIR JOHN MURRAY, K.C.B., F.R.S., D.Sc., AND LAURENCE PULLAR, F.R.S.E.

THE GEOGRAPHICAL JOURNAL 1909

LOCH SHIN

LOWER SECTION
(SHIN BASIN)

SURVEYED IN 1902 BY
SIR JOHN MURRAY, K.C.B., T. N. JOHNSTON, M.B., O.M.,
AND JAMES MURRAY

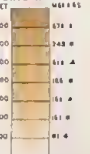
Heights of Barometer at Water level 270.55 feet

The Land Contours are from the Ordnance Survey

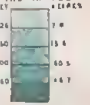
Scale 1:25,000 3 INCHES TO 1 MILE

0 KILOMETRE — 5 CENTIMETRE

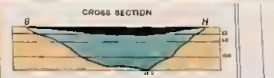
HEIGHTS IN FEET



DEPTHS IN FEET



NOTE TO SECTION
The length of the section is 1.5 miles as to the
The depth of the section is 1.5 miles as to the
The section is 1.5 miles as to the



LONGITUDINAL SECTION ALONG AXIS OF MAXIMUM DEPTH

EF

P

PLATE III



BATHYMETRICAL SURVEY OF THE FRESH-WATER LOCHS OF SCOTLAND

UNDER THE DIRECTION OF
SIR JOHN MURRAY, K.C.B., F.R.S., D.Sc., AND LAURENCE PULLAR, F.R.S.E.

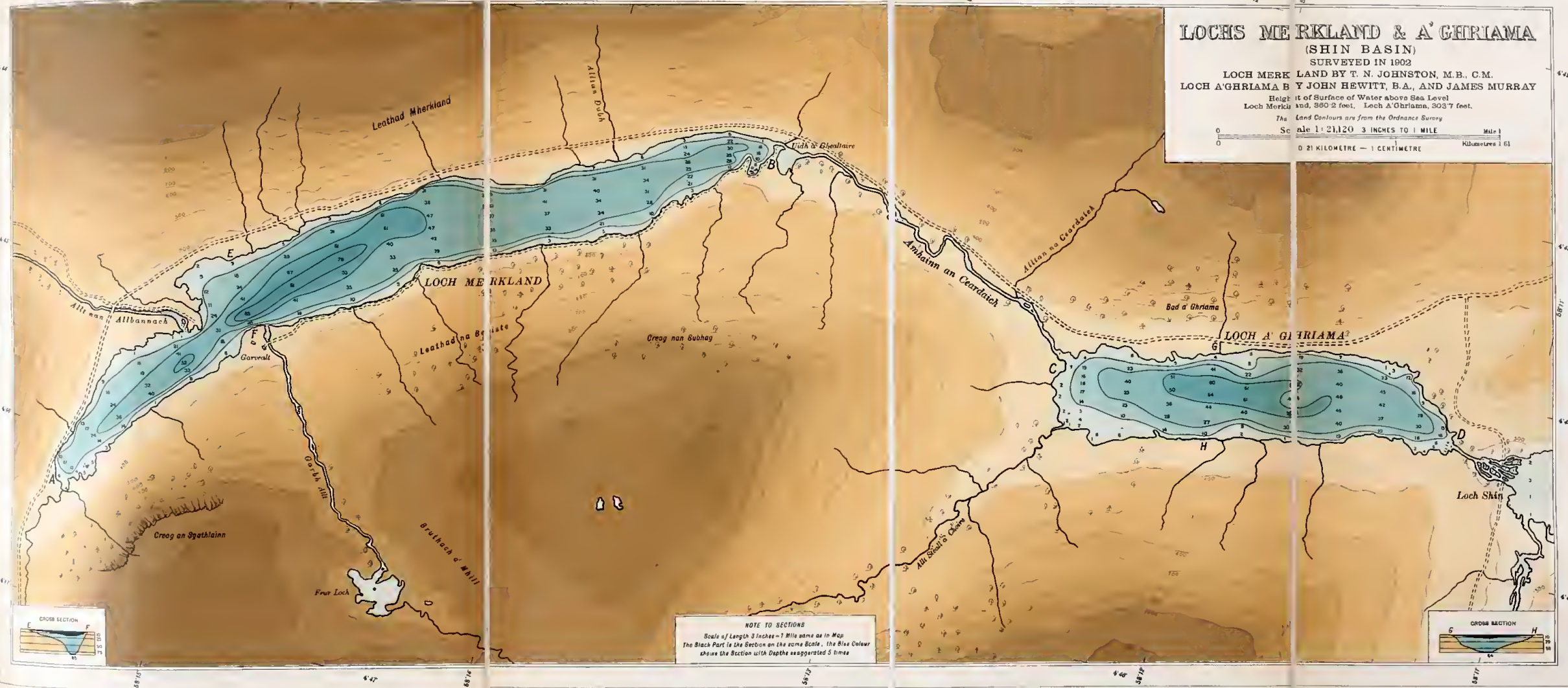
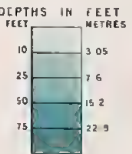
LOCHS MERKLAND & A' GHRIAMA (SHIN BASIN)

SURVEYED IN 1902
LOCH MERKLAND BY T. N. JOHNSTON, M.B., C.M.
LOCH A' GHRIAMA BY JOHN HEWITT, B.A., AND JAMES MURRAY

Height of Surface of Water above Sea Level
Loch Merkland, 880.2 feet, Loch A' Ghriama, 803.7 feet.

The Land Contours are from the Ordnance Survey

Scale 1:21,120 3 INCHES TO 1 MILE
0 21 KILOMETRE — 1 CENTIMETRE



NOTE TO SECTIONS
Scale of Length 3 inches = 1 Mile same as in Map
The Black Part in the Section on the same Scale, the Blue Colour
shows the Section with Depths exaggerated 5 times

LONGITUDINAL SECTION
ALONG AXIS OF MAXIMUM DEPTH

LONGITUDINAL SECTION
ALONG AXIS OF MAXIMUM DEPTH

BATHYMETRICAL SURVEY OF THE FRESH-WATER LOCHS OF SCOTLAND

UNDER THE DIRECTION OF

SIR JOHN MURRAY, K.C.B., F.R.S., D.Sc., AND LAURENCE PULLAR, F.R.S.E.

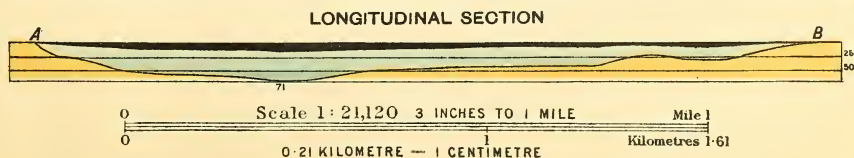
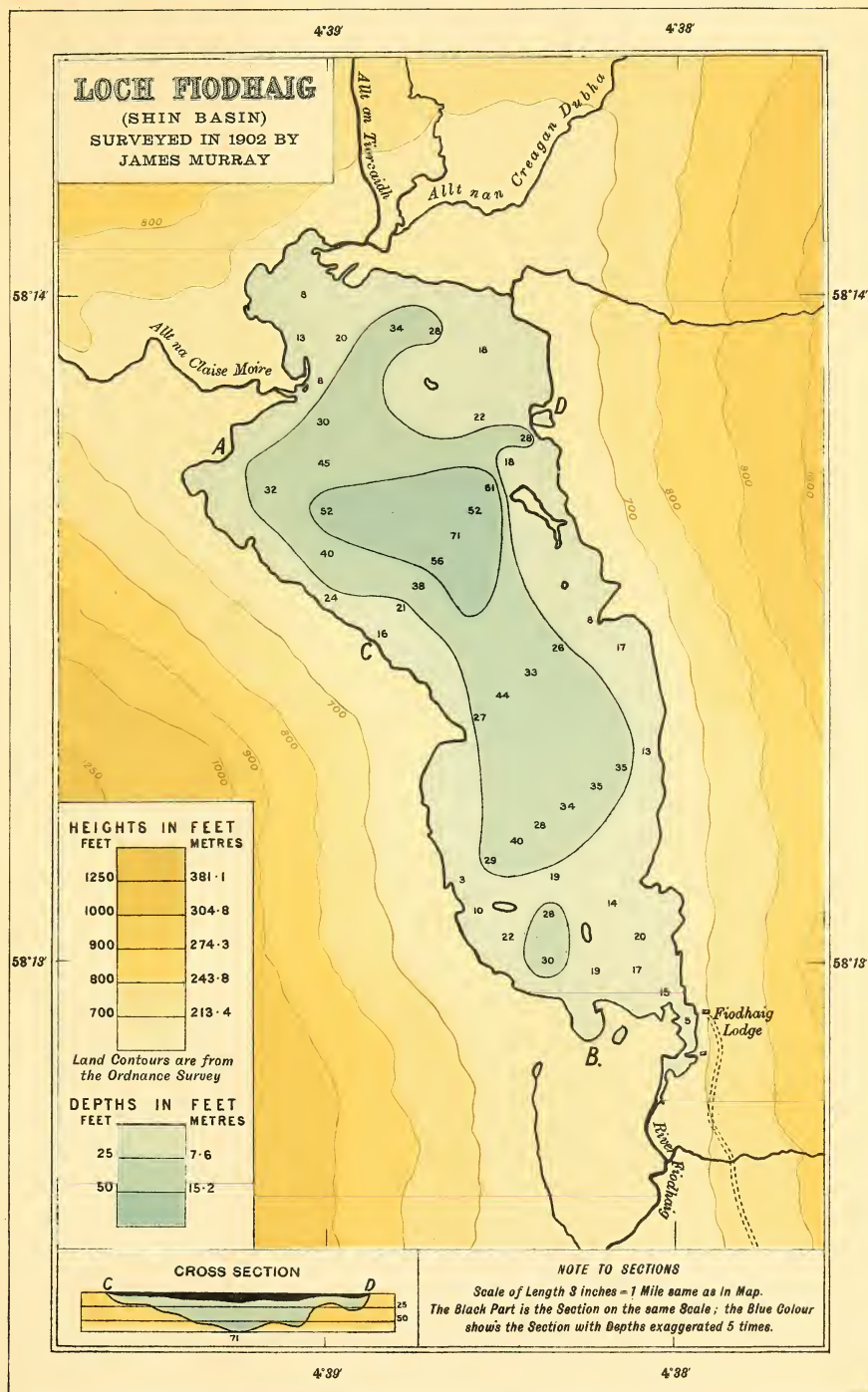
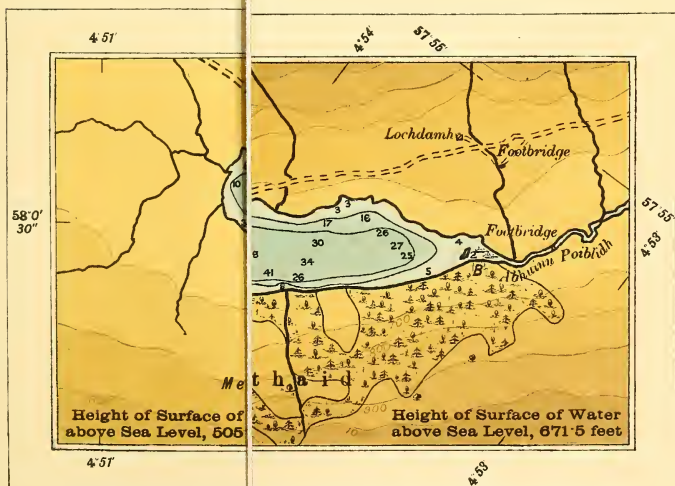
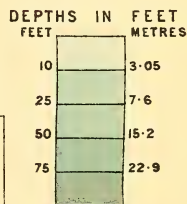
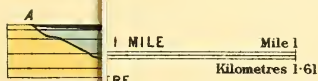
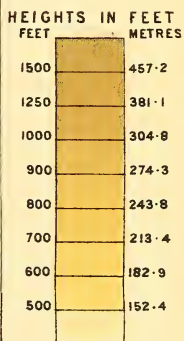
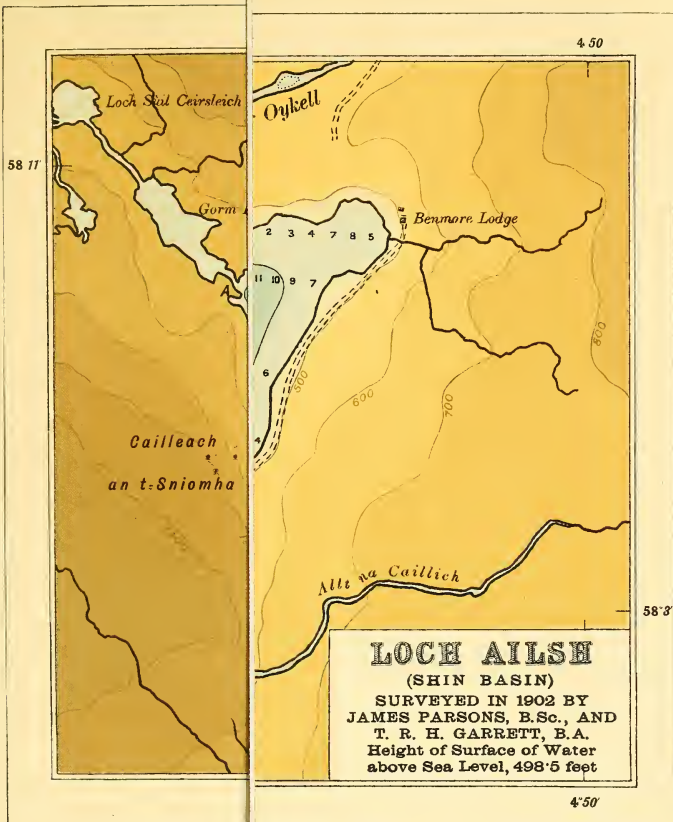
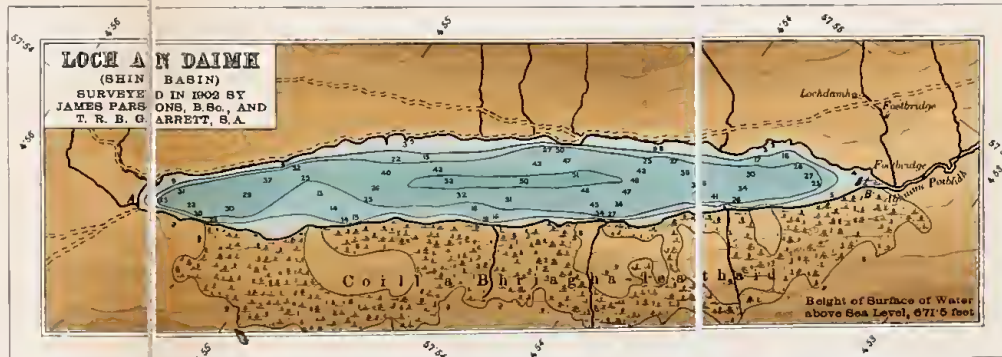
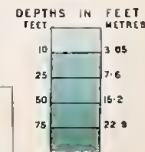
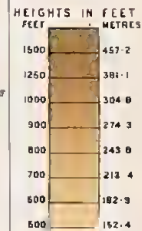
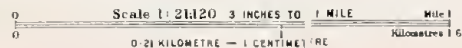
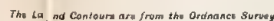
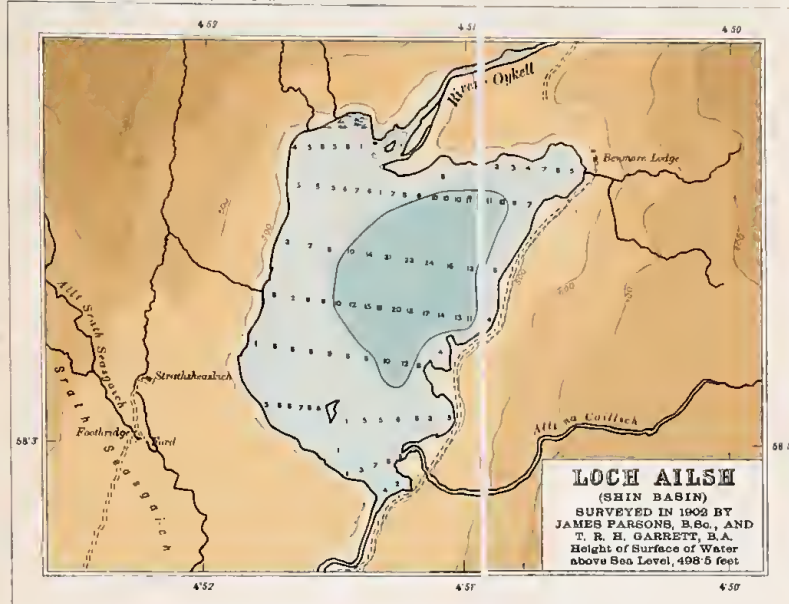


PLATE V

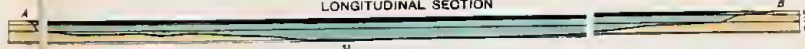


SIR JOHN MURRAY, K.C.B., F.R.S., D.Sc., AND LAURENCE PULLAR, F.R.S.E.



NOTE TO SECTIONS

Scale of Length 3 inches = 1 Mile same as in Map
The Black Part is the Section on the same Scale the Blue Colour
shows the Section with Depths exaggerated 5 times



PLATE

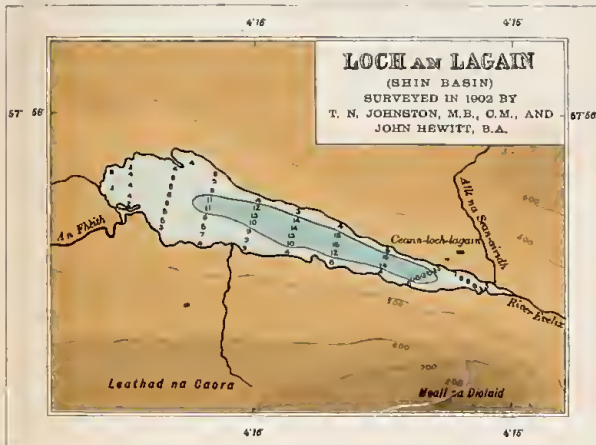
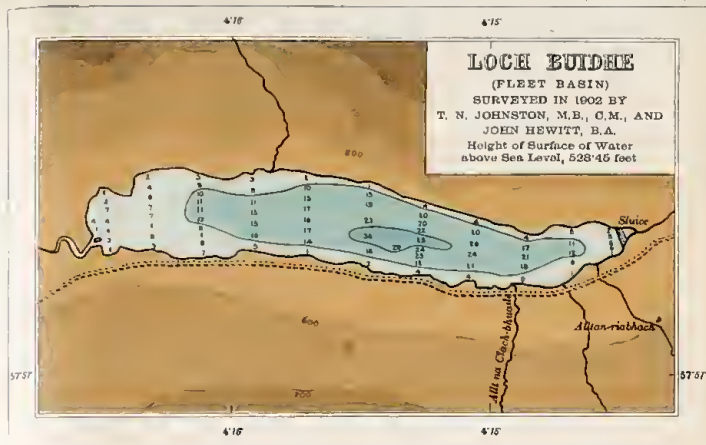
57'57"

57'53"

BATHYMETRICAL SURVEY OF THE FRESH-WATER LOCHS OF SCOTLAND

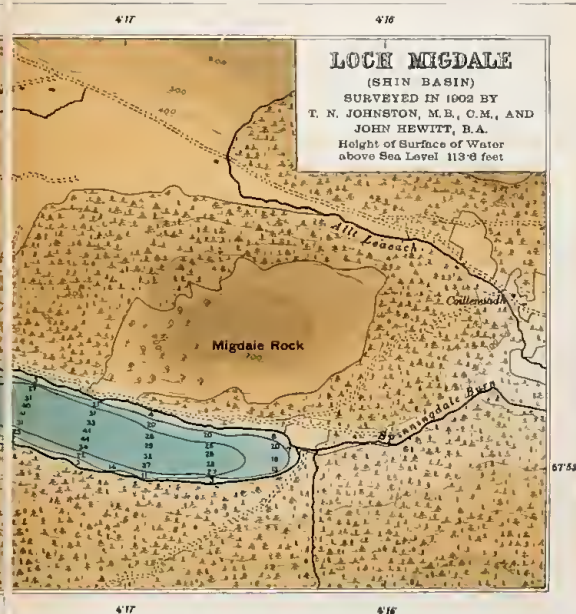
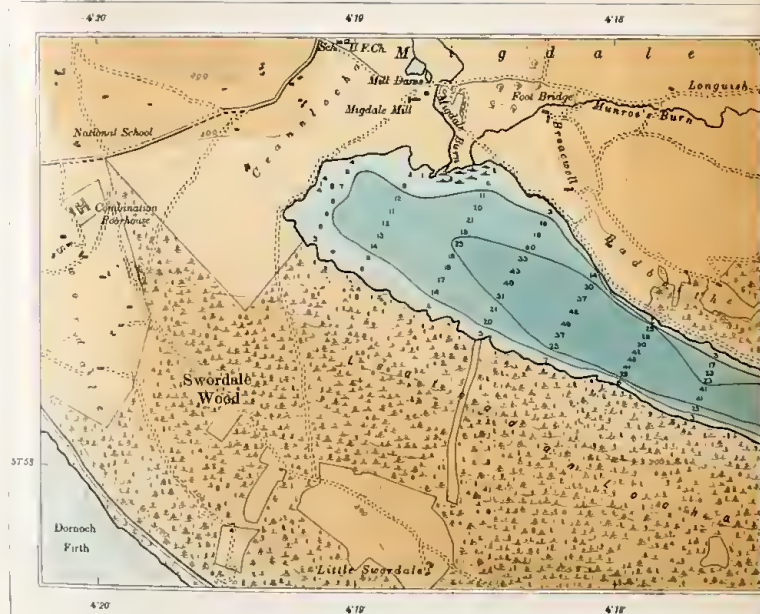
UNDER THE DIRECTION OF
SIR JOHN MURRAY, K.C.B., F.R.S., D.Sc., AND LAURIE PULLAR, F.R.S.E.

PLATE 17



Scale 1:21,120 3 INCHES TO 1 MILE
0 21 KILOMETRE — 1 CENTIMETRE

The Land Contours are from the Ordnance Survey



HEIGHTS IN FEET
METRES



DEPTHS IN FEET
METRES

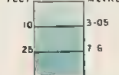
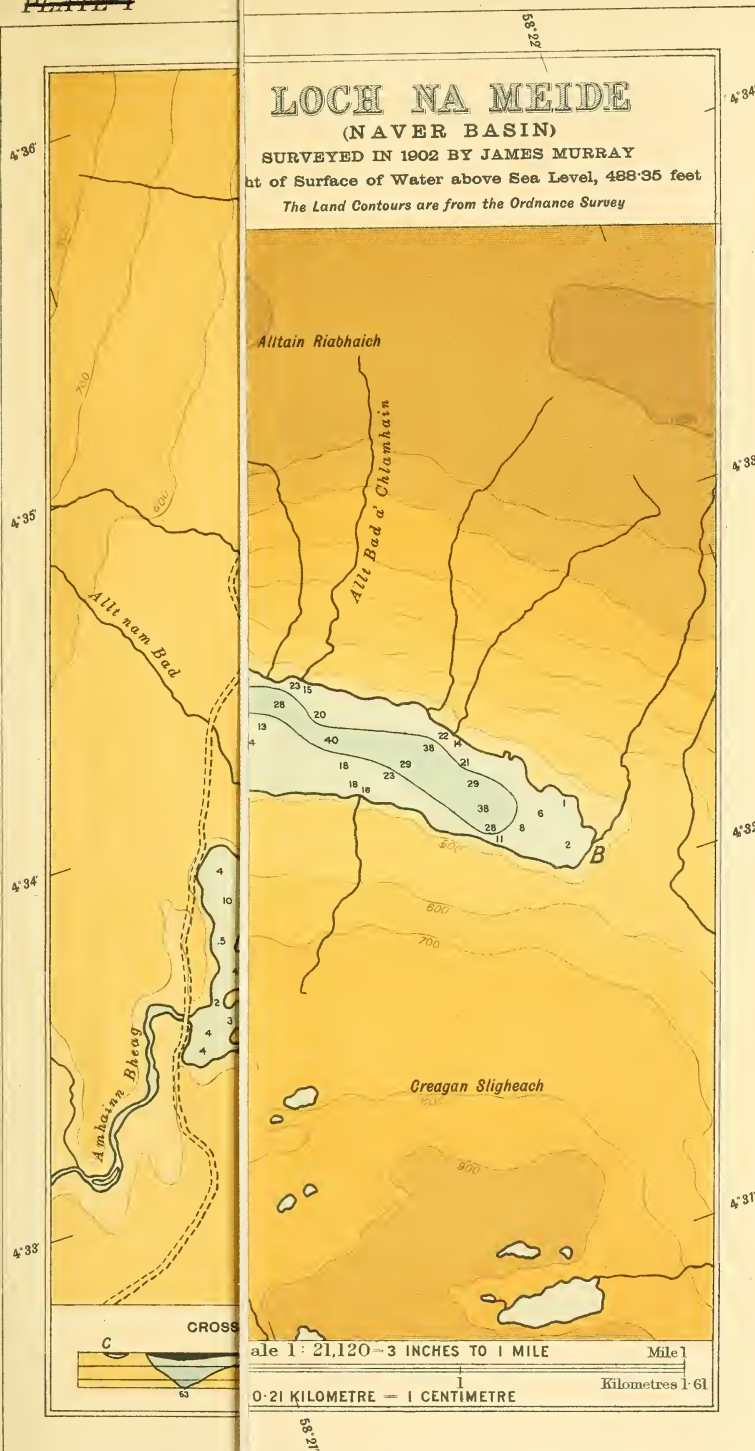


PLATE I

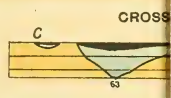
LOCH NA MEIDE (NAVER BASIN)

SURVEYED IN 1902 BY JAMES MURRAY
Height of Surface of Water above Sea Level, 488·35 feet
The Land Contours are from the Ordnance Survey



HEIGHTS IN FEET	
FEET	METRES
1250	381·1
1000	304·8
900	274·3
800	243·8
700	213·4
600	182·9
500	152·4

DEPTHS IN FEET	
FEET	METRES
25	7·6
50	15·2

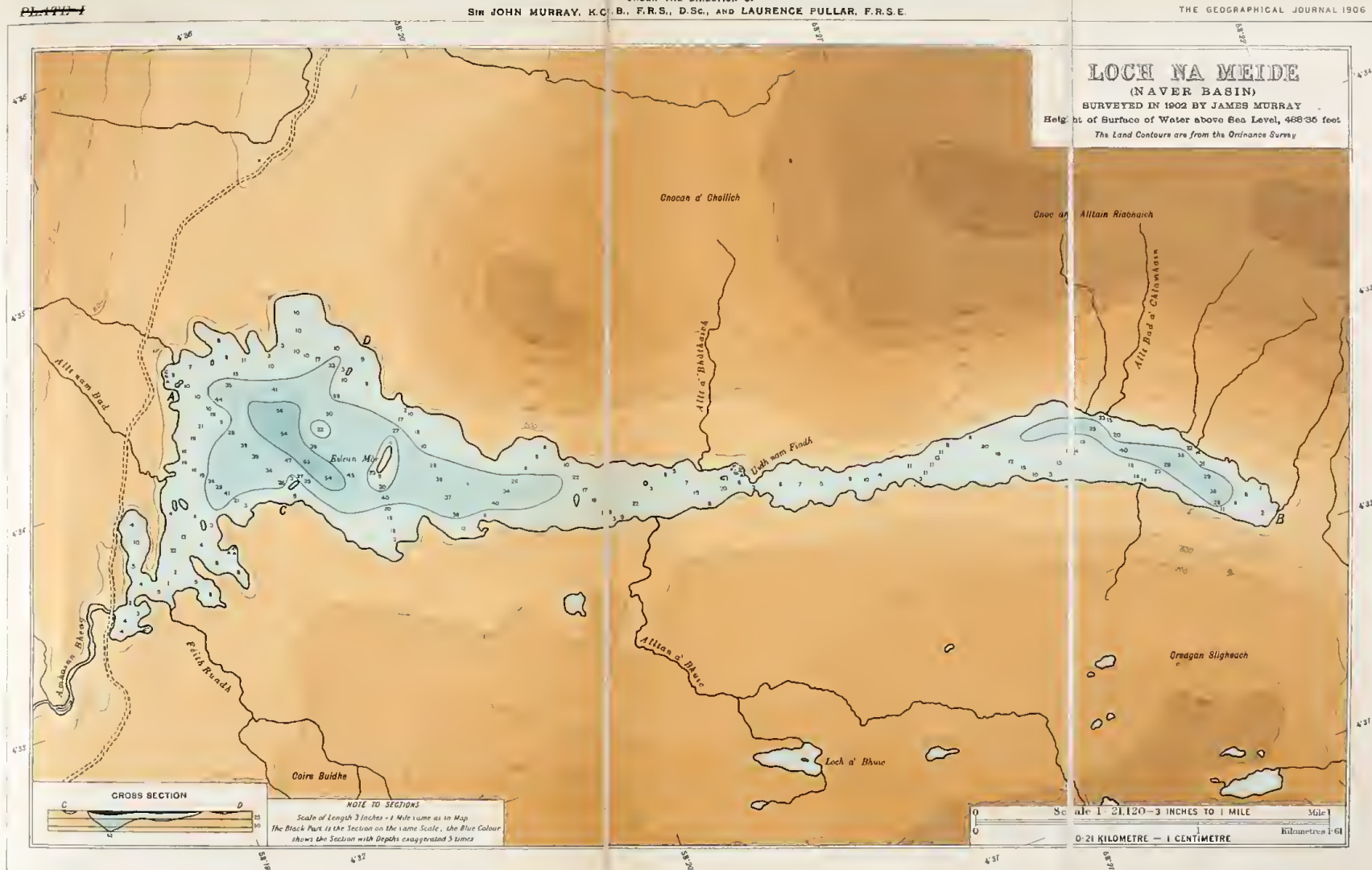


Scale 1: 21,120 - 3 INCHES TO 1 MILE
0·21 KILOMETRE = 1 CENTIMETRE



UNDER THE DIRECTION OF
SIR JOHN MURRAY, K.C. B., F.R.S., D.S.C., AND LAURENCE PULLAR, F.R.S.E.

THE GEOGRAPHICAL JOURNAL 1906



LONGITUDINAL SECTION ALONG AXIS OF MAXIMUM DEPTH

-W
F
AUR



BATHYMETRICAL SURVEY OF THE FRESH-WATER LOCHS OF SCOTLAND

UNDER THE DIRECTION OF
SIR JOHN MURRAY, K.C.B., F.R.S., D.Sc., AND LAURENCE PULLAR, F.R.S.E.

LOCH NAVER

(NAVER BASIN)

SURVEYED IN 1902 BY SIR JOHN MURRAY
JAMES PARSONS, B.Sc. T. R. H. GARRETT, B.A.
AND JAMES MURRAY

Height of Surface of Water above Sea Level, 247.6 feet

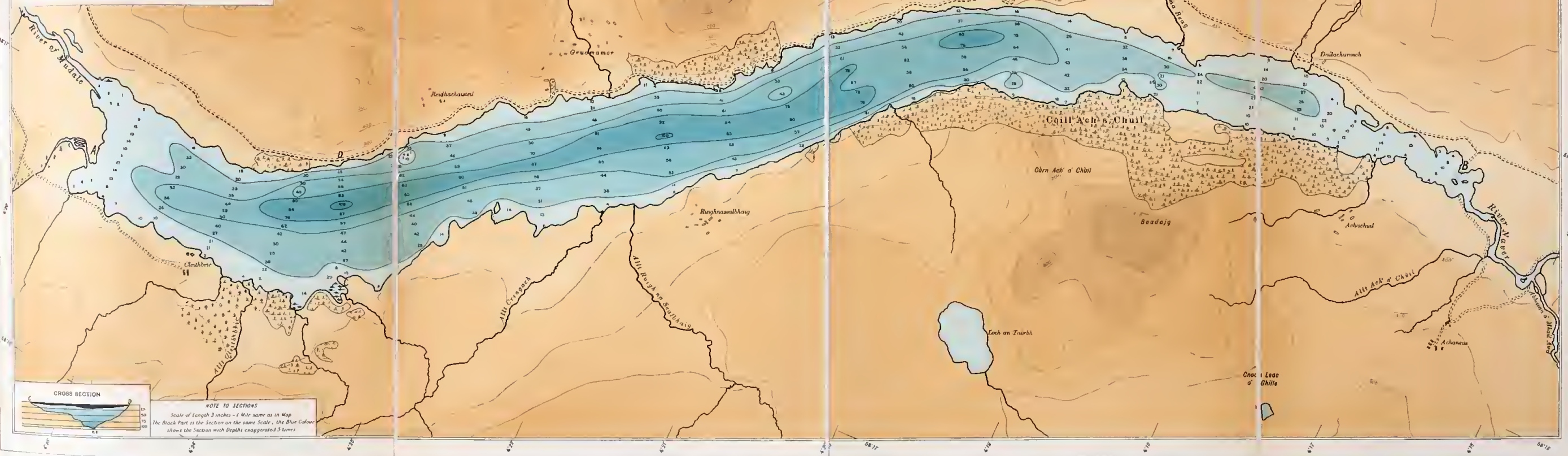
The Land Contours are from the Ordnance Survey

Scale 1" 21,120-3 INCHES TO 1 MILE

Mile

0 21 KILOMETRE - 1 CENTIMETRE

Kilometres 1 61

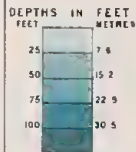
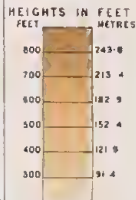


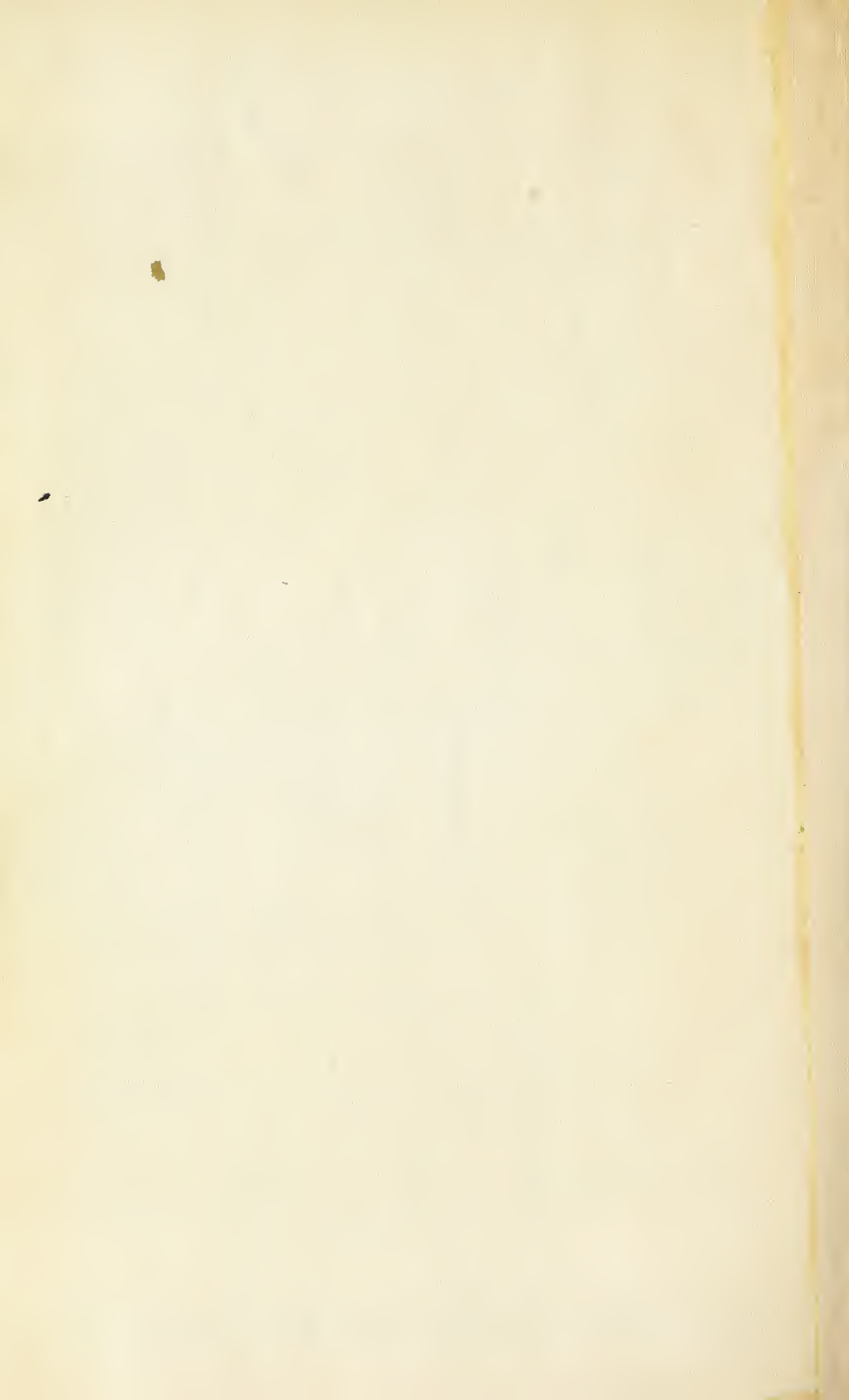
CROSS SECTION

NOTE TO SECTIONS

Scale of Length 3 inches - 1 Mile same as in Map
The Black Part is the Section on the same Scale, the Blue Colour
shows the Section with Depths exaggerated 3 times

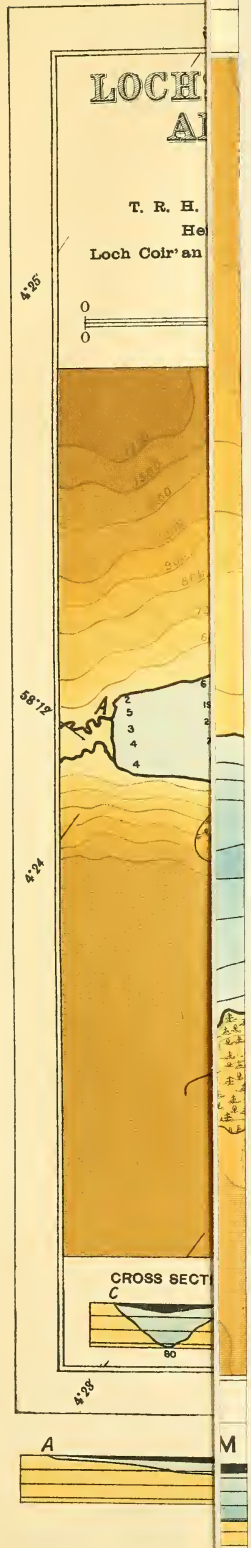
LONGITUDINAL SECTION ALONG AXIS OF MAXIMUM DEPTH





R
PU

PLATE III

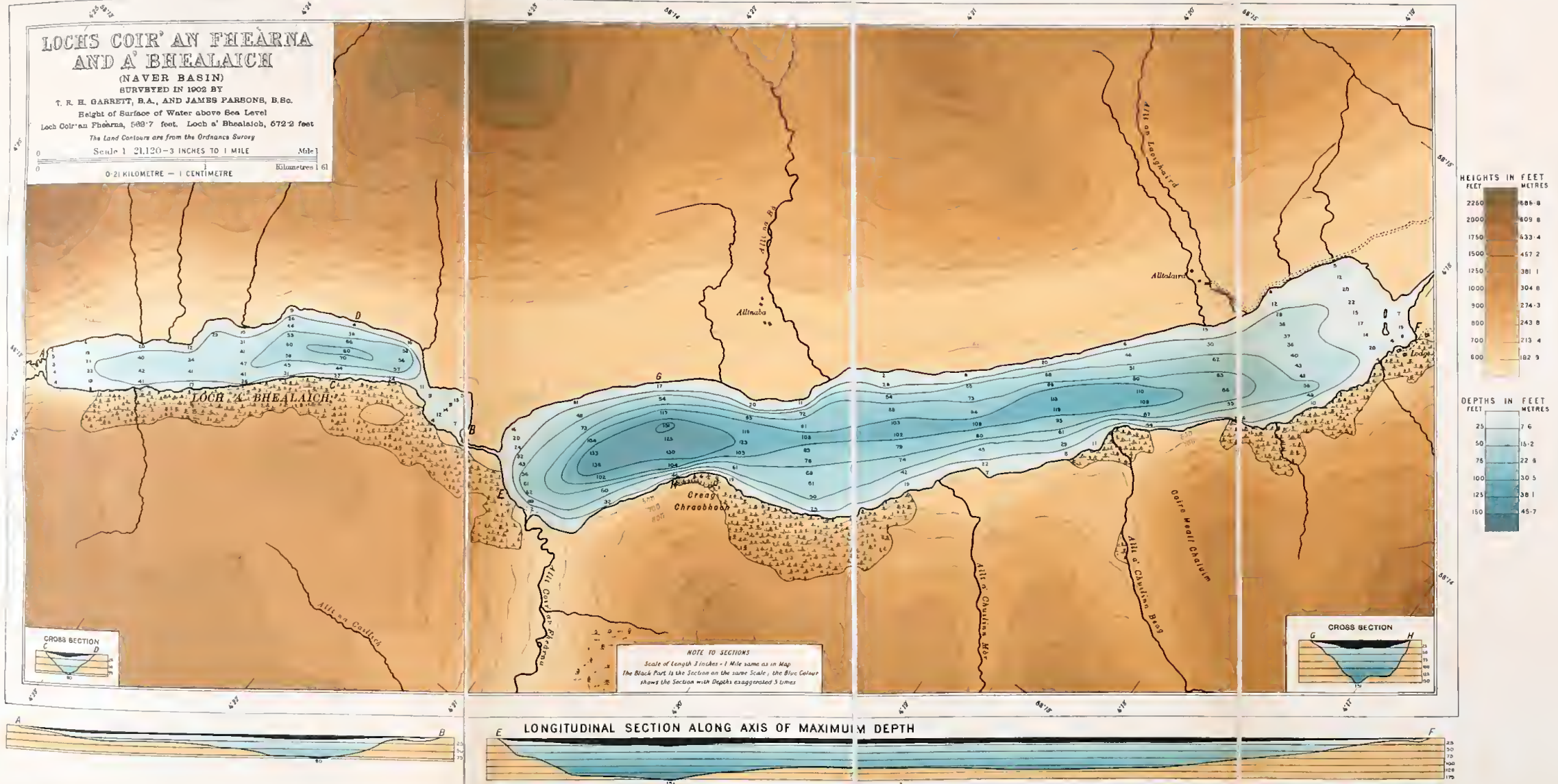


BATHYMETRICAL SURVEY OF THE FRESH-WATER LOCHS OF SCOTLAND

UNDER THE DIRECTION OF
SIR JOHN MURRAY, K.C.B., F.R.S., D.Sc., AND LAURENCE PULLAR, F.R.S.E.

THE GEOGRAPHICAL JOURNAL 1906

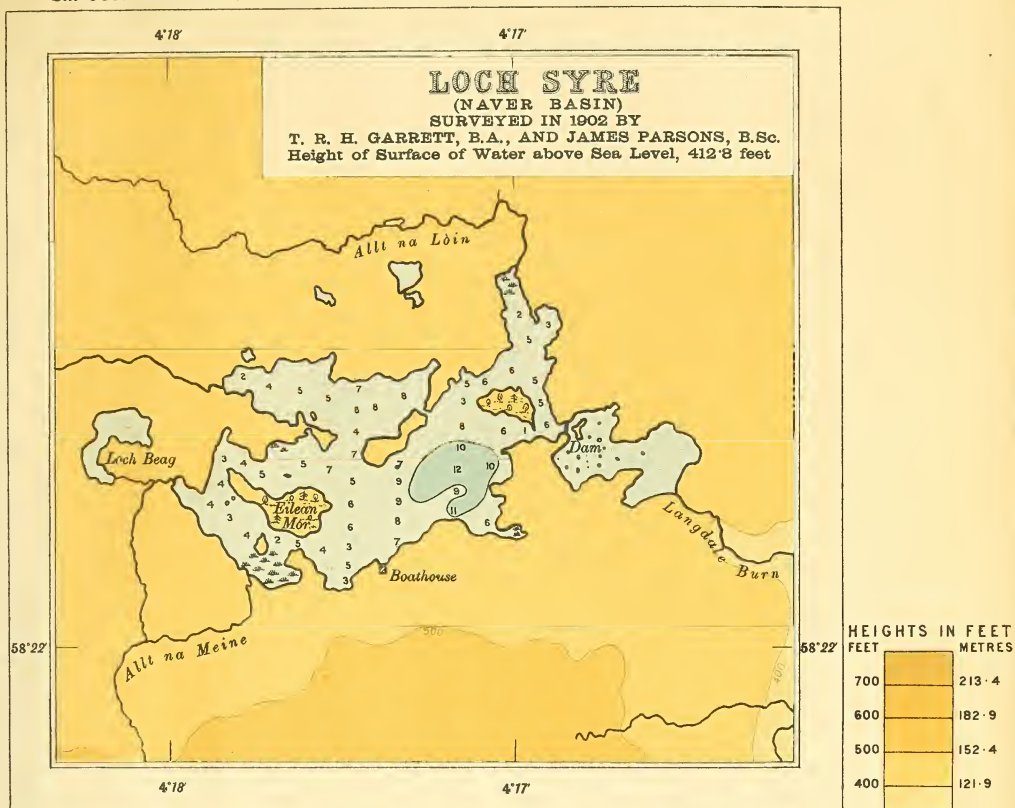
PLATE III



BATHYMETRICAL SURVEY OF THE FRESH-WATER LOCHS OF SCOTLAND

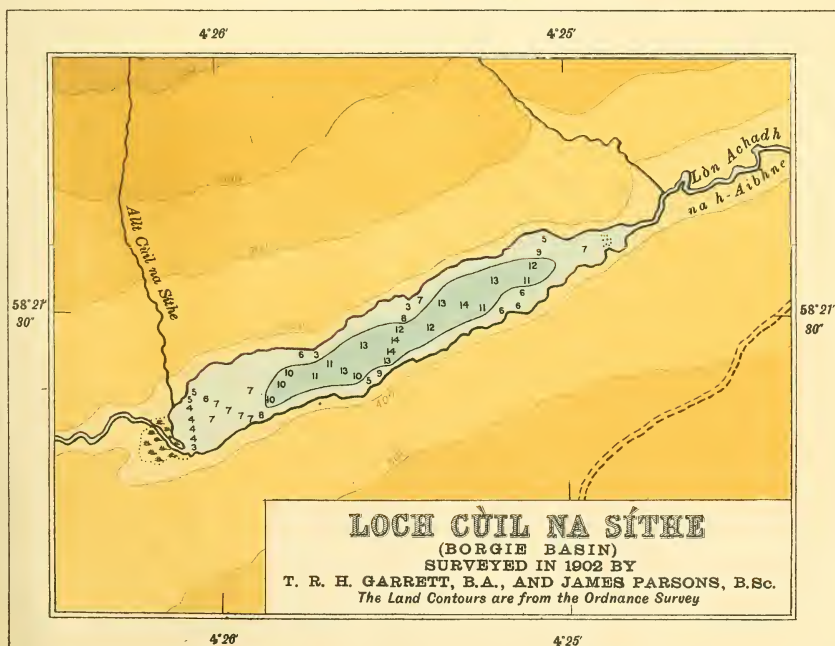
UNDER THE DIRECTION OF

SIR JOHN MURRAY, K.C.B., F.R.S., D.Sc., AND LAURENCE PULLAR, F.R.S.E.



Scale 1: 21,120 - 3 INCHES TO 1 MILE
0 0·21 KILOMETRE - 1 CENTIMETRE
Kilometres 1·61

DEPTHS IN FEET
FEET METRES
10 3·05

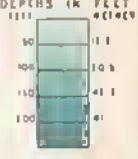
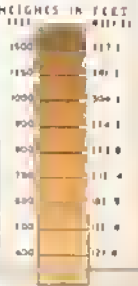
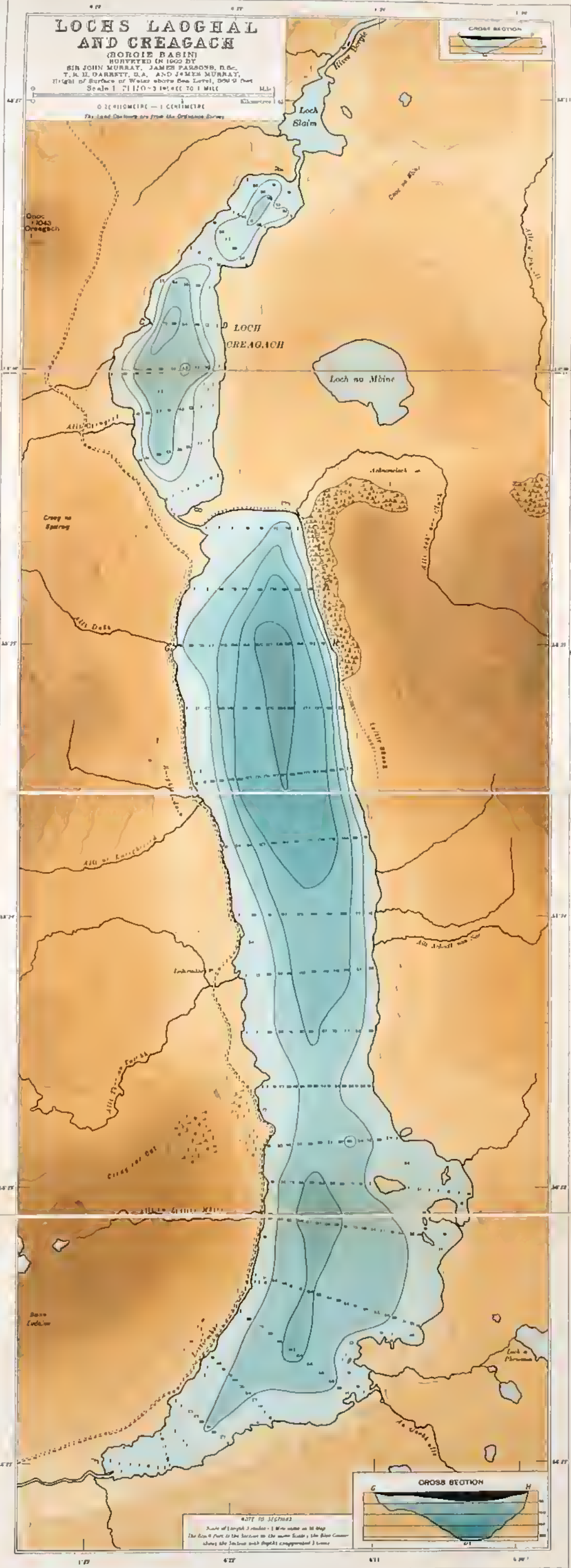




**LOCHS LAOGHAL
 AND CREAGACH**

(BOURGIE BASIN)
 SURVEYED IN 1900 BY
 SIR JOHN MURRAY, JAMES PARSONS, D.Sc.,
 T. H. DARRATT, D.A., AND JAMES MURRAY.
 Height of Surface of Water above Sea Level, 200.0 Feet.
 Scale 1:112,000 (1 inch = 1 mile)

0.2 CENTIMETRE = 1 CENTIMETRE
 The Land Contours are from the Ordnance Survey



Scale of Length 1 inch = 1 mile (as on 1:112,000)
 The map is part of the Survey of the Lochs of Scotland, and the Blue Contour shows the Surface of Water (Depth) exaggerated 3 times

PLATE



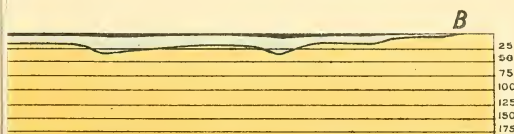
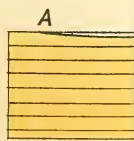
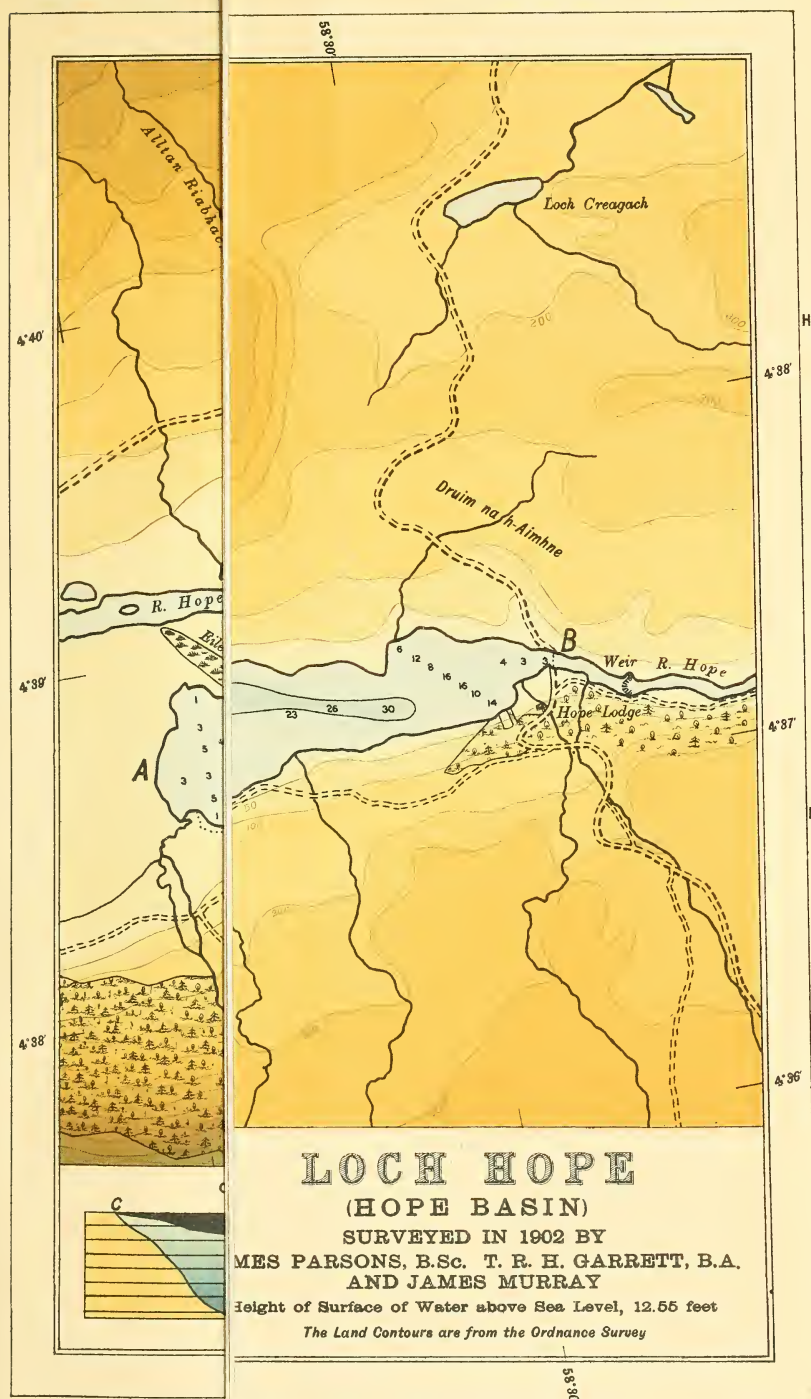
LOCHS AN DITHREIBH AND CHALUIM (KINLOCH BASIN)

SURVEYED IN 1902 BY JAMES MURRAY

Height of Surface of Water above Sea Level, Loch an Dithreabh, 267.46 feet

The Land Contours are from the Ordnance Survey

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 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777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1041 1042 1043 1044 1045 1046 1047 1048 1049 1050 1051 1052 1053 1054 1055 1056 1057 1058 1059 1060 1061 1062 1063 1064 1065 1066 1067 1068 1069 1070 1071 1072 1073 1074 1075 1076 1077 1078 1079 1080 1081 1082 1083 1084 1085 1086 1087 1088 1089 1090 1091 1092 1093 1094 1095 1096 1097 1098 1099 1100 1101 1102 1103 1104 1105 1106 1107 1108 1109 1110 1111 1112 1113 1114 1115 1116 1117 1118 1119 1120 1121 1122 1123 1124 1125 1126 1127 1128 1129 1130 1131 1132 1133 1134 1135 1136 1137 1138 1139 1140 1141 1142 1143 1144 1145 1146 1147 1148 1149 1150 1151 1152 1153 1154 1155 1156 1157 1158 1159 1160 1161 1162 1163 1164 1165 1166 1167 1168 1169 1170 1171 1172 1173 1174 1175 1176 1177 1178 1179 1180 1181 1182 1183 1184 1185 1186 1187 1188 1189 1190 1191 1192 1193 1194 1195 1196 1197 1198 1199 1200 1201 1202 1203 1204 1205 1206 1207 1208 1209 1210 1211 1212 1213 1214 1215 1216 1217 1218 1219 1220 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1821 1822 1823 1824 1825 1826 1827 1828 1829 1830 1831 1832 1833 1834 1835 1836 1837 1838 1839 1840 1841 1842 1843 1844 1845 1846 1847 1848 1849 1850 1851 1852 1853 1854 1855 1856 1857 1858 1859 1860 1861 1862 1863 1864 1865 1866 1867 1868 1869 1870 1871 1872 1873 1874 1875 1876 1877 1878 1879 1880 1881 1882 1883 1884 1885 1886 1887 1888 1889 1890 1891 1892 1893 1894 1895 1896 1897 1898 1899 1900 1901 1902 1903 1904 1905 1906 1907 1908 1909 1910 1911 1912 1913 1914 1915 1916 1917 1918 1919 1920 1921 1922 1923 1924 1925 1926 1927 1928 1929 1930 1931 1932 1933 1934 1935 1936 1937 1938 1939 1940 1941 1942 1943 1944 1945 1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 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2421 2422 2423 2424 2425 2426 2427 2428 2429 2430 2431 2432 2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2446 2447 2448 2449 2450 2451 2452 2453 2454 2455 2456 2457 2458 2459 2460 2461 2462 2463 2464 2465 2466 2467 2468 2469 2470 2471 2472 2473 2474 2475 2476 2477 2478 2479 2480 2481 2482 2483 2484 2485 2486 2487 2488 2489 2490 2491 2492 2493 2494 2495 2496 2497 2498 2499 2500 2501 2502 2503 2504 2505 2506 2507 2508 2509 2510 2511 2512 2513 2514 2515 2516 2517 2518 2519 2520 2521 2522 2523 2524 2525 2526 2527 2528 2529 2530 2531 2532 2533 2534 2535 2536 2537 2538 2539 2540 2541 2542 2543 2544 2545 2546 2547 2548 2549 2550 2551 2552 2553 2554 2555 2556 2557 2558 2559 2560 2561 2562 2563 2564 2565 2566 2567 2568 2569 2570 2571 2572 2573 2574 2575 2576 2577 2578 2579 2580 2581 2582 2583 2584 2585 2586 2587 2588 2589 2590 2591 2592 2593 2594 2595 2596 2597 2598 2599 2600 2601 2602 2603 2604 2605 2606 2607



THE GEOGRAPHICAL JOURNAL 1906

FEET	METRE
25	7.6
50	15.2
75	22.8
100	30.5
125	38.1
150	45.7
175	53.4

The Load Contours are from the Ordnance Survey

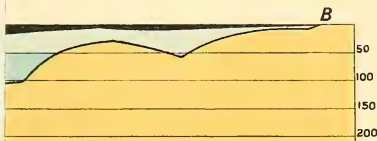
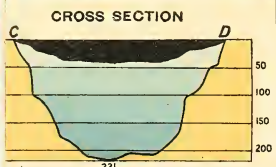
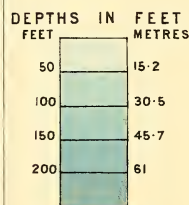
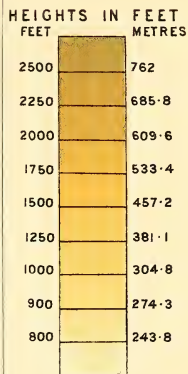
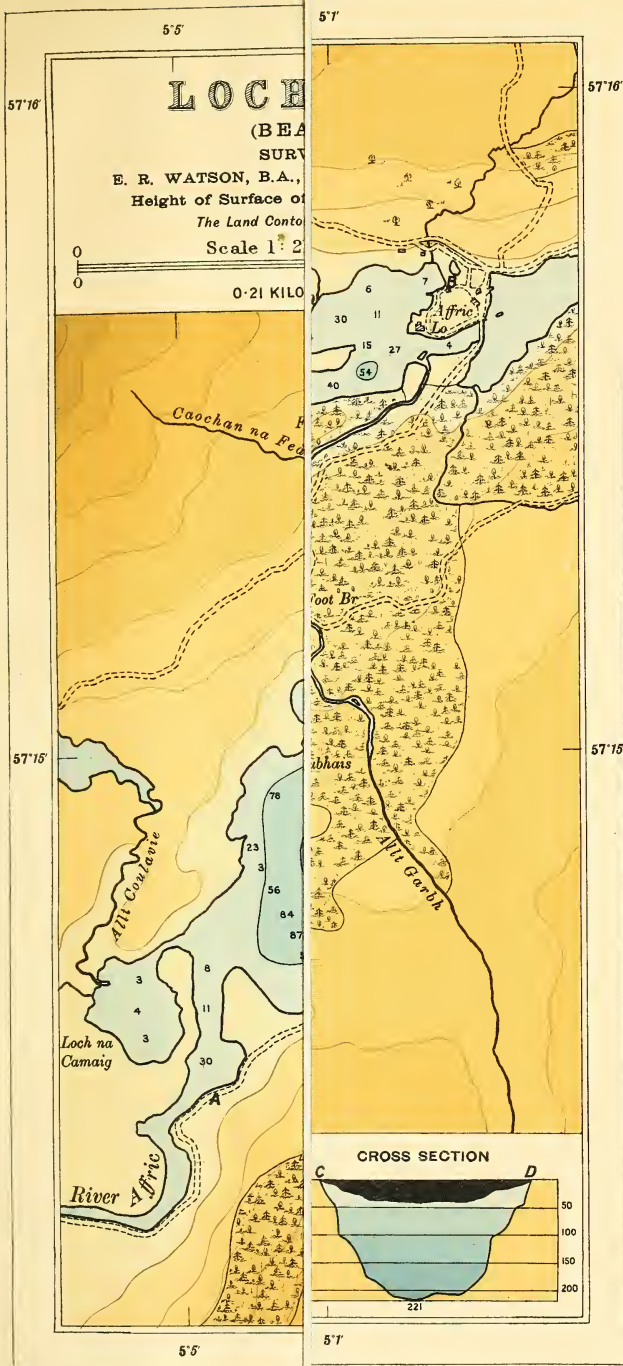
0 Scale 1" = 21,120 - 3 INCHES TO 1 MILE Mile 1
1) 0 21 KILOMETRE - 1 CENTIMETRE Kilometres 1 61

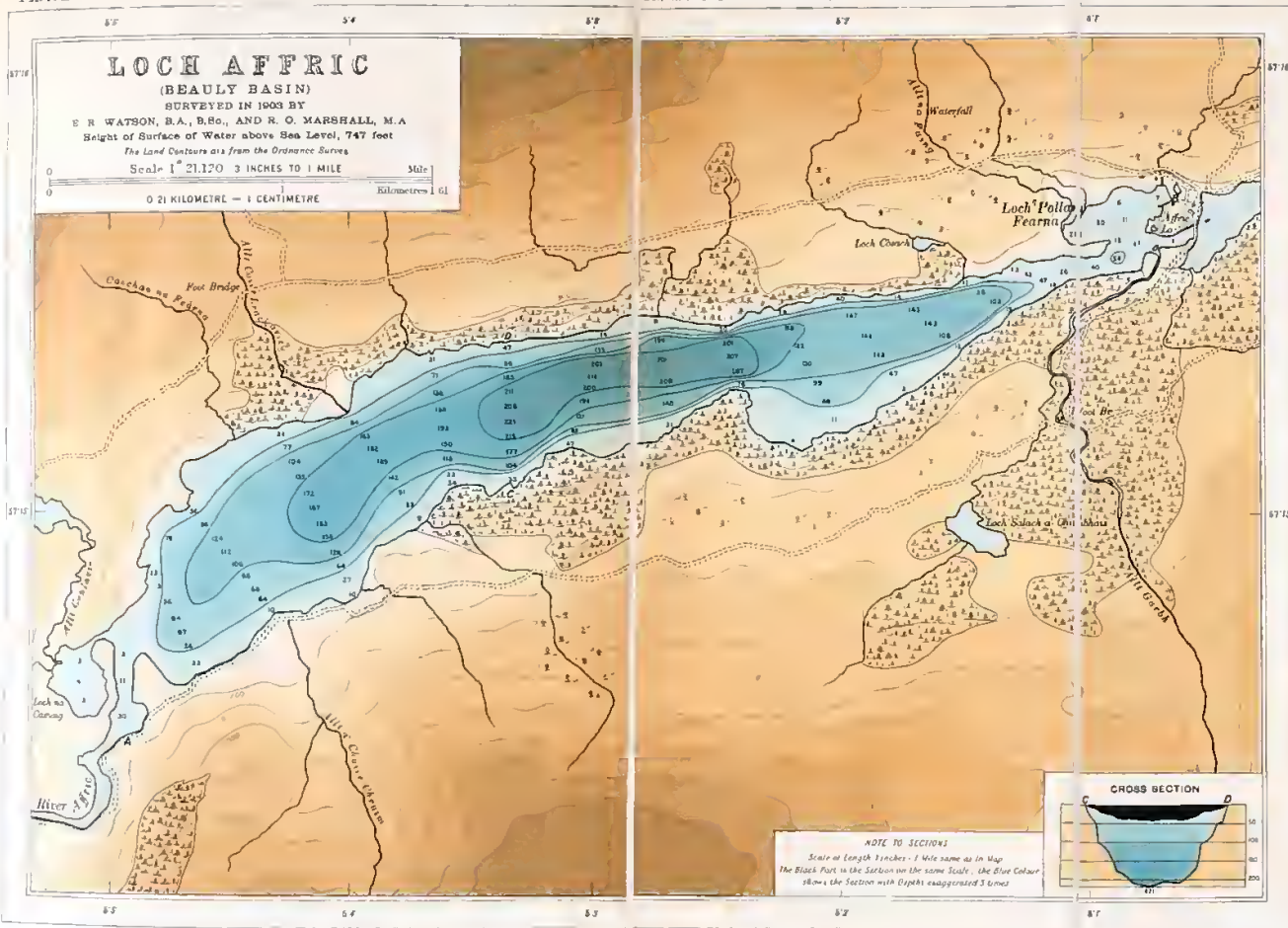
NOTE TO SECTION:

Scale of Length 3 inches - 1 Mile same as in Map
The Black Part is the Section on the same Scale. The Blue Color
shows the Section with Depth exaggerated 3 times

J. G. Bartholomew

PLATE I





LONGITUDINAL SECTION ALONG AXIS OF MAXIMUM DEPTH

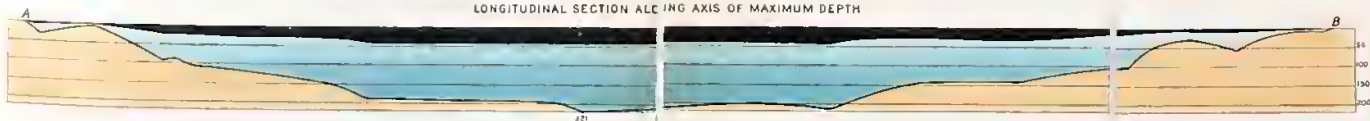
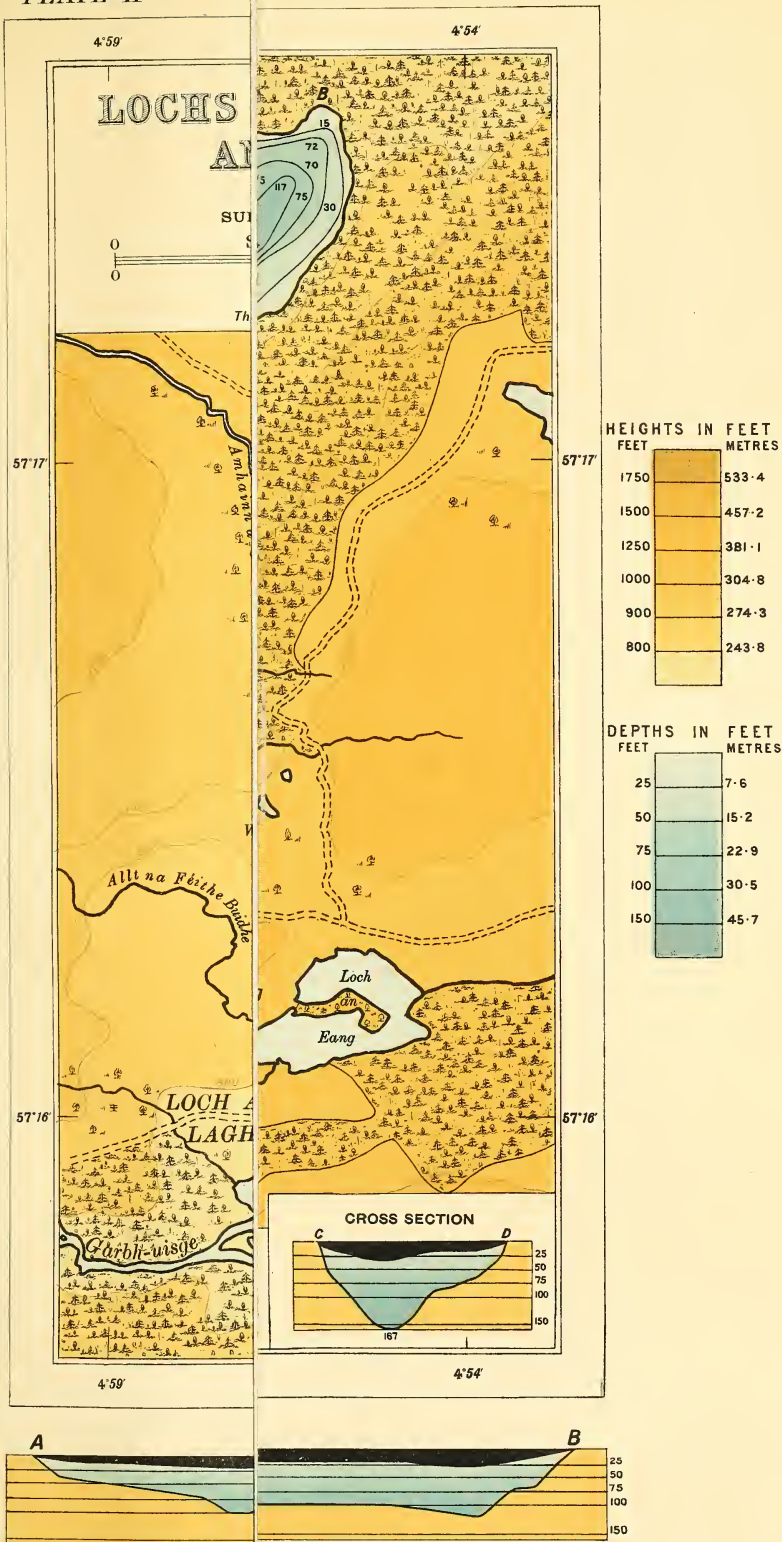


PLATE II

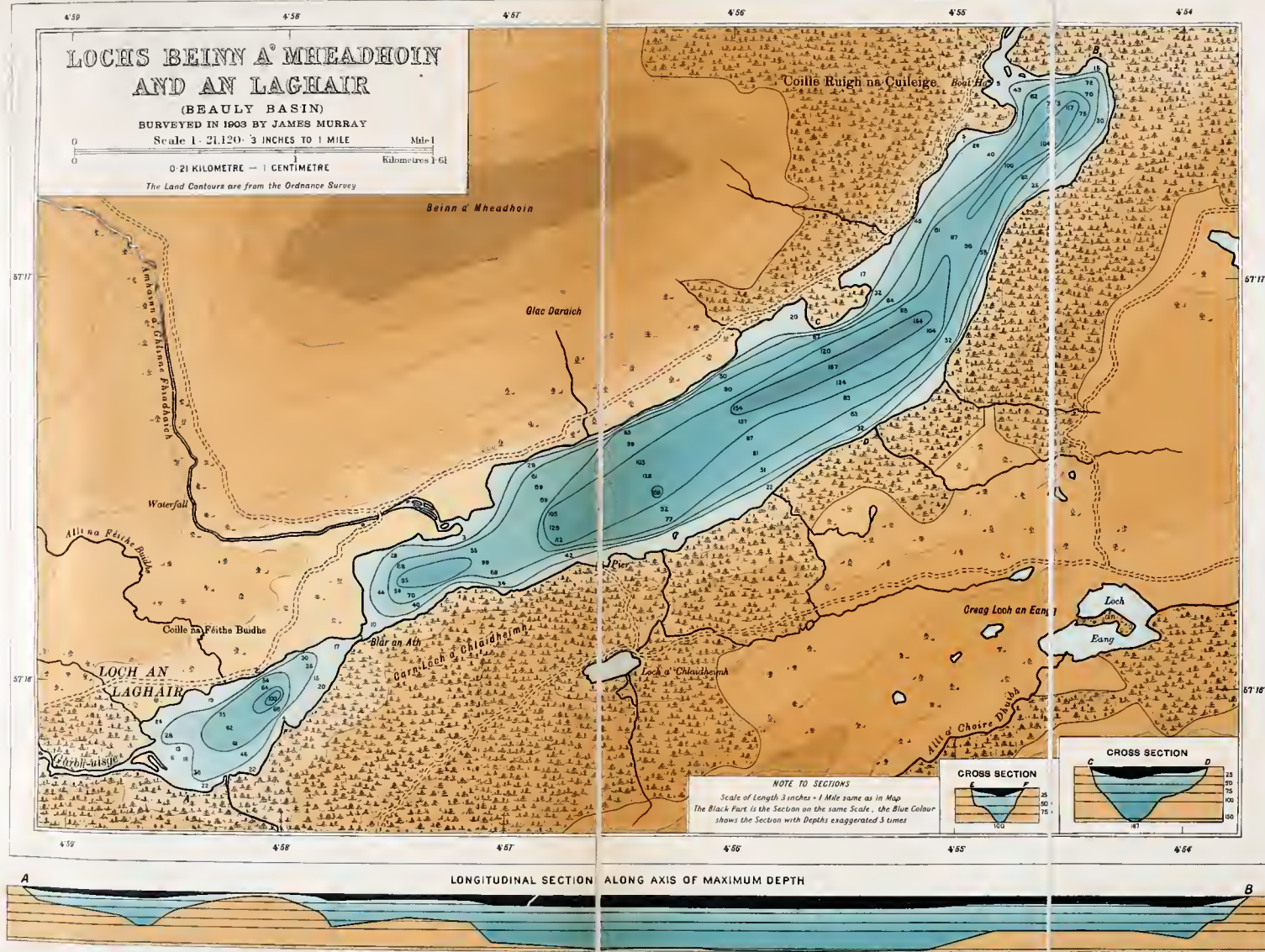


BATHYMETRICAL SURVEY OF THE FRESH-WATER LOCHS OF SCOTLAND

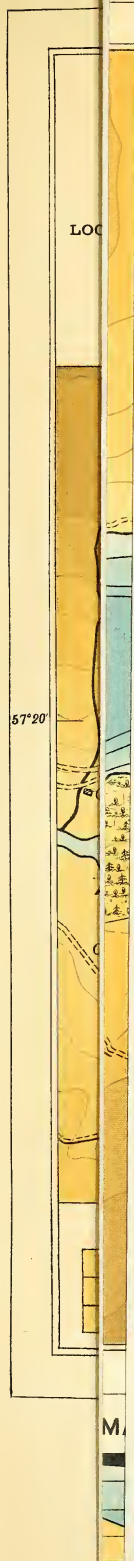
UNDER THE DIRECTION OF

SIR JOHN MURRAY, K.C.B., F.R.S., D.Sc., AND LAURENCE PULLAR, F.R.S.E.

DEATH H



PLATE



BATHYMETRICAL SURVEY OF THE FRESH-WATER LOCHS OF SCOTLAND

UNDER THE DIRECTION OF

SIR JOHN MURRAY, K.C.B., F.R.S., D.Sc., AND LAU RENEE PULLAR, F.R.S.E.

PLATE III

LOCHS MULLARDOCH AND SEALBHAG (BEAUTY BASIN)

(BEAUTY BASIN)

SURVEYED IN 1903

LOCH MULLARDOCH BY R. C. MARSHALL, M.A., AND JAMES MURRAY

LOCH SEALBHAG BY R. C. MARSHALL, M.A.

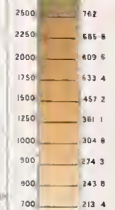
The Land Contours are from the Ordnance Survey

Scale 1:21,120 3 INCHES TO 1 MILE

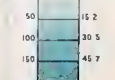
0 0.21 KILOMETRE — 1 CENTIMETRE



HEIGHTS IN FEET



DEPTHS IN FEET



NOTE TO SECTION
Scale of Length 1:10000 - 1 Mile same as on Map
The Black Part is the Section on 1:10000 Scale, the Blue Colour shows the Section with Depth exaggerated 3 times

LONGITUDINAL SECTION ALONG AXIS OF MAXIMUM DEPTH

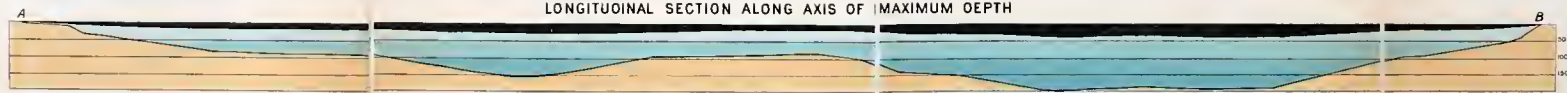


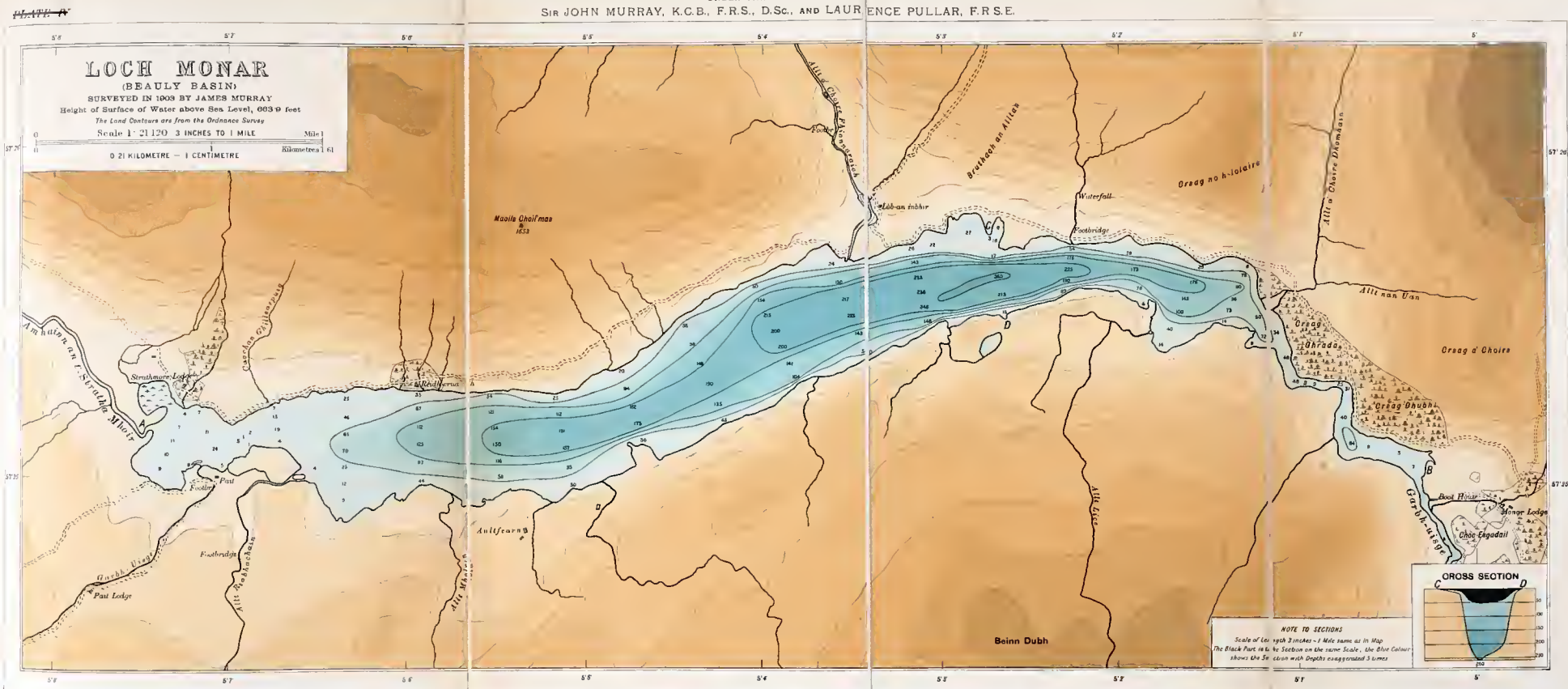
PLATE I



A

BATHYMETRICAL SURVEY OF THE FRESH-WATER LOCHS OF SCOTLAND

UNDER THE DIRECTION OF
SIR JOHN MURRAY, K.C.B., F.R.S., D.Sc., AND LAURENCE PULLAR, F.R.S.E.



LONGITUDINAL SECTION ALONG AXIS OF MAXIMUM DEPTH

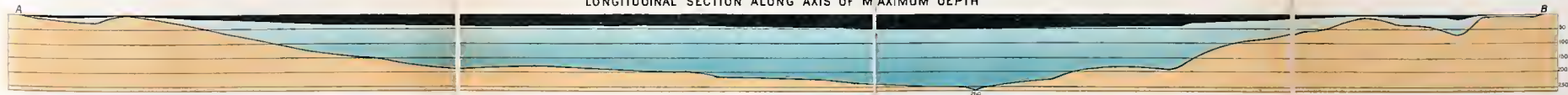
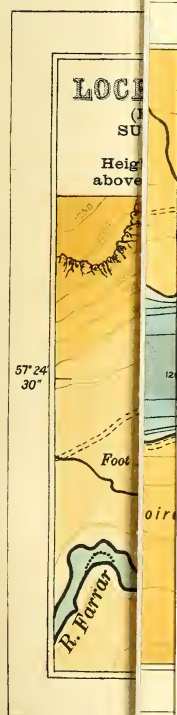
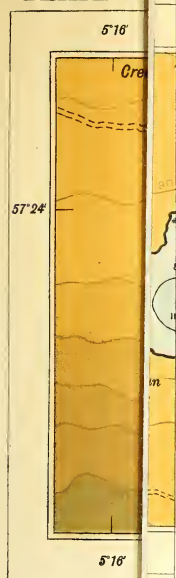




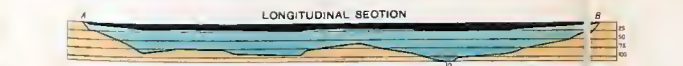
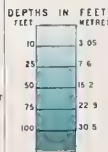
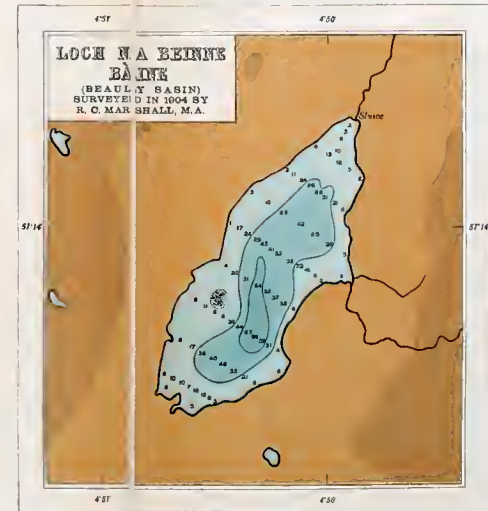
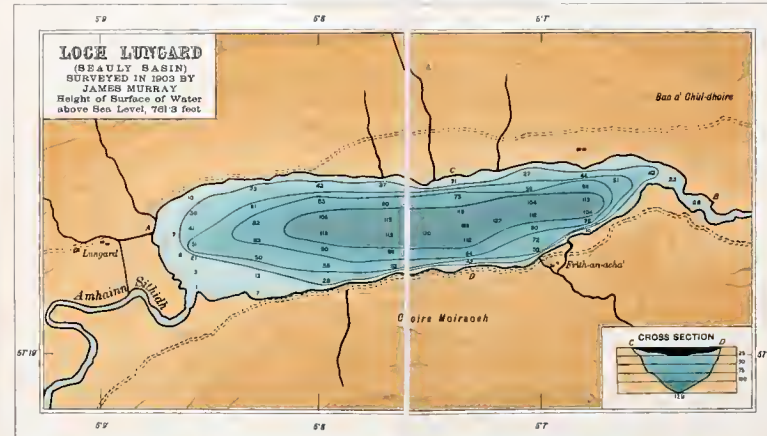
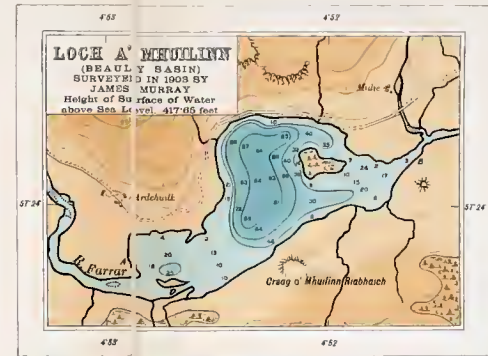
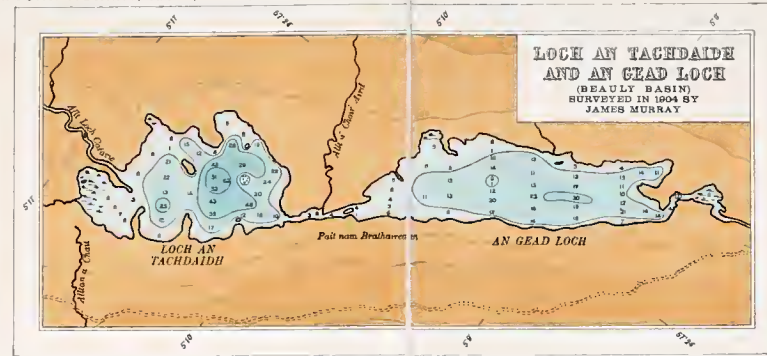
PLATE V



BATHY METRICAL SURVEY OF THE FRESH-WATER LOCHS OF SCOTLAND

UNDER THE DIRECTION OF

SIR JOHN MURRAY, K.C.B., F.R.S., D.Sc., AND LAURENCE PULLAR, F.R.S.E.



PLATE

LOCH LOCHY

(LOCHY BASIN)

SURVEYED IN 1903 BY

R. JOHN MURRAY, DR T. N. JOHNSTON,
B. YOUNG, B.Sc., R. C. MARSHALL, M.A.,
AND E. M. WEDDERBURN, M.A.

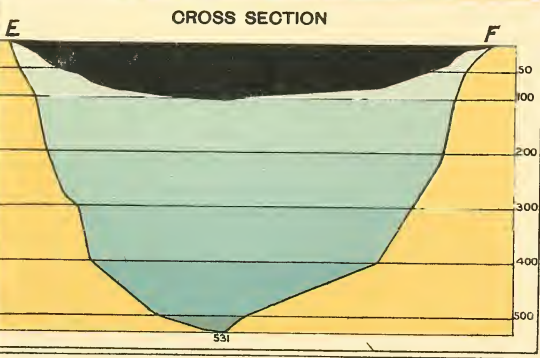
Height of Surface of Water above Sea Level, 94.24 feet

The Land Contours are from the Ordnance Survey

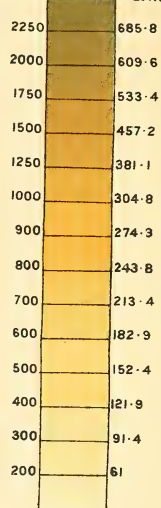
Scale 1: 21,120 3 INCHES TO 1 MILE

0.21 KILOMETRE — 1 CENTIMETRE

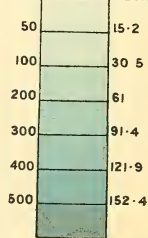
Kilometres 1:61



HEIGHTS IN FEET
FEET METRES

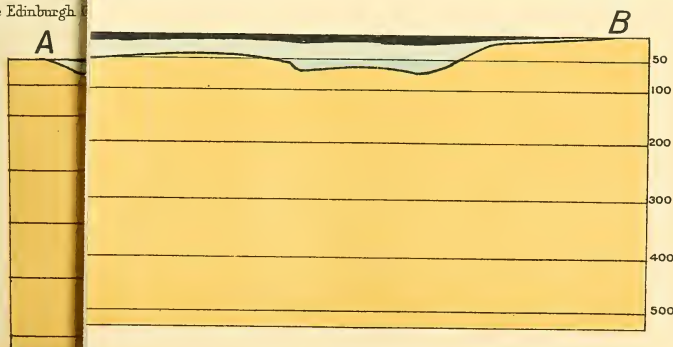


DEPTHS IN FEET
FEET METRES



J. G. Bartholomew.

The Edinburgh



BATHYMETRICAL SURVEY OF THE FRESH-WATER LOCHS OF SCOTLAND

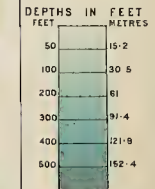
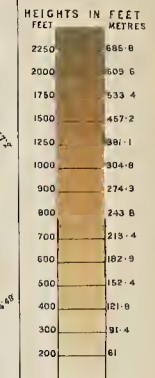
UNDER THE DIRECTION OF
SIR JOHN MURRAY, K.C.B., F.R.S., D.Sc., AND LAURENCE PULLAR, F.R.S.E.

PLATE I

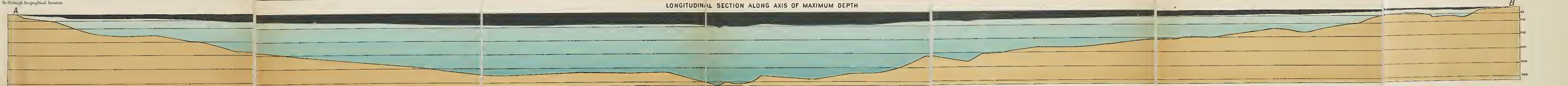


LOCH LOCHY

(LOCHY BASIN)
SURVEYED IN 1903 BY
SIR JOHN MURRAY, DR T. N. JOHNSTON,
R. B. YOUNG, B.Sc., R. O. MARSHALL, M.A.,
AND E. M. WEDDERBURN, M.A.
Height of Surface of Water above Sea Level, 64.24 feet
The Land Contours are from the Ordnance Survey
Scale 1:21,120 3 INCHES TO 1 MILE
0-21 KILOMETRE - 1 CENTIMETRE



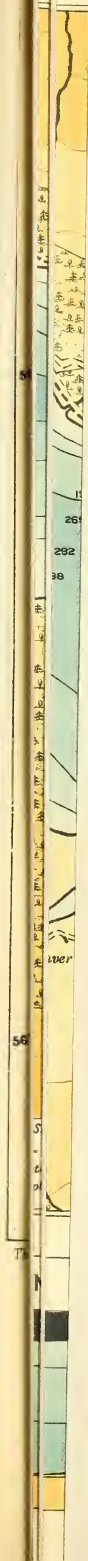
LONGITUDINAL SECTION ALONG AXIS OF MAXIMUM DEPTH



The Edinburgh Geographical Institute

J. G. Bartholomew





BATHYMETRICAL SURVEY OF THE FRESH-WATER LOCHS OF SCOTLAND

UNDER THE DIRECTION OF
SIR JOHN MURRAY, K.C.B., F.R.S., D.Sc., AND LAURENCE PULLAR, F.R.S.E.

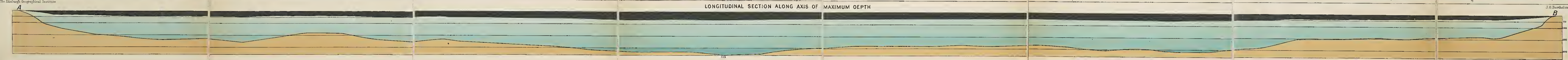
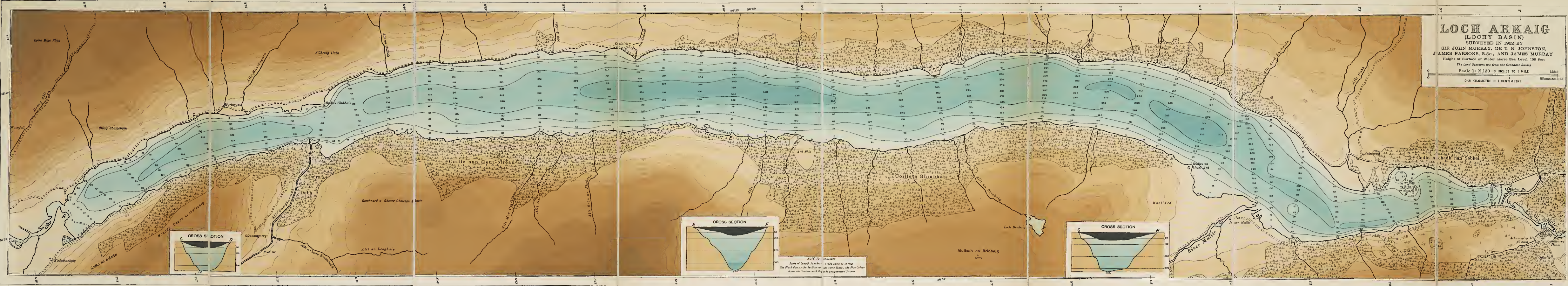
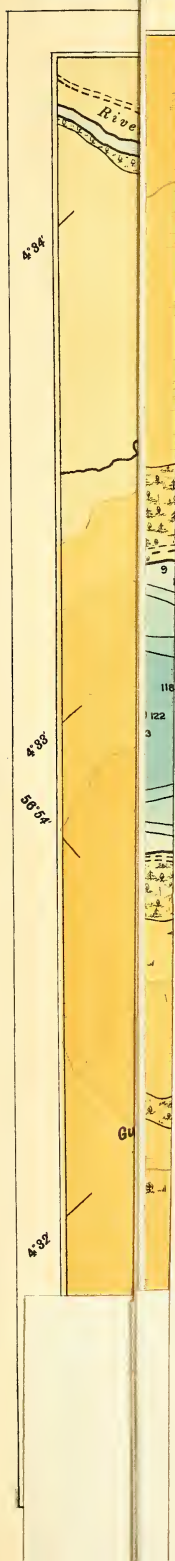


PLATE I

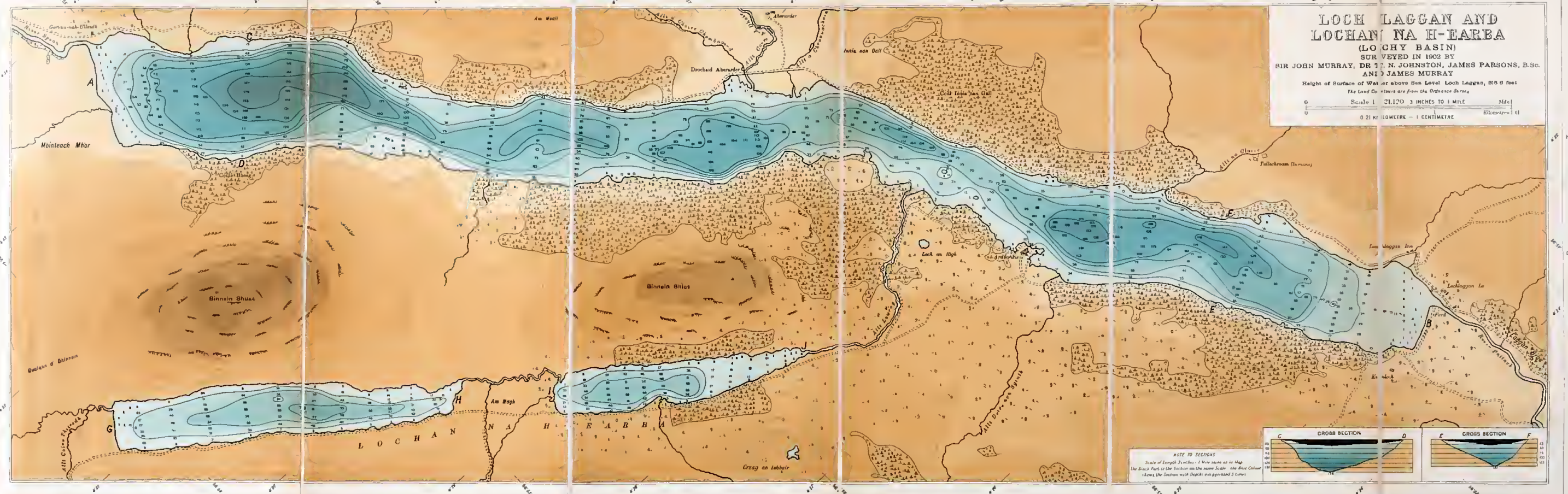


BATHYMETRICAL SURVEY OF THE FRESH-WATER LOCHS OF SCOTLAND

UNDER THE DIRECTION OF
SIR JOHN MURRAY, K.C.B., F.R.S., D.Sc., AND LAURENCE PULLAR, F.R.S.E.

THE GEOGRAPHICAL JOURNAL 1906

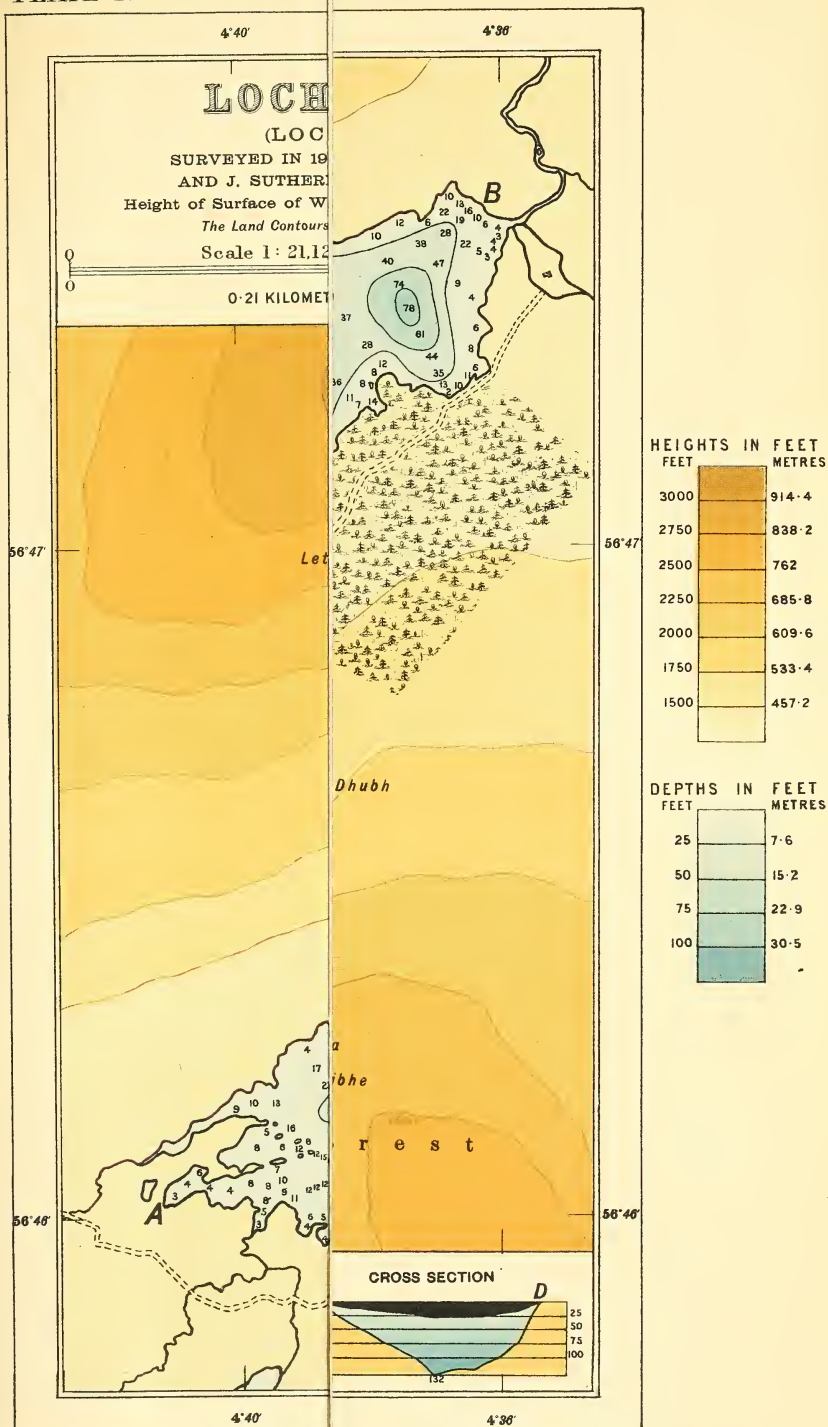
14.44.44



LONGITUDINAL SECTION ALONG AXIS OF MAXIMUM DEPTH



~~PLATE IV~~

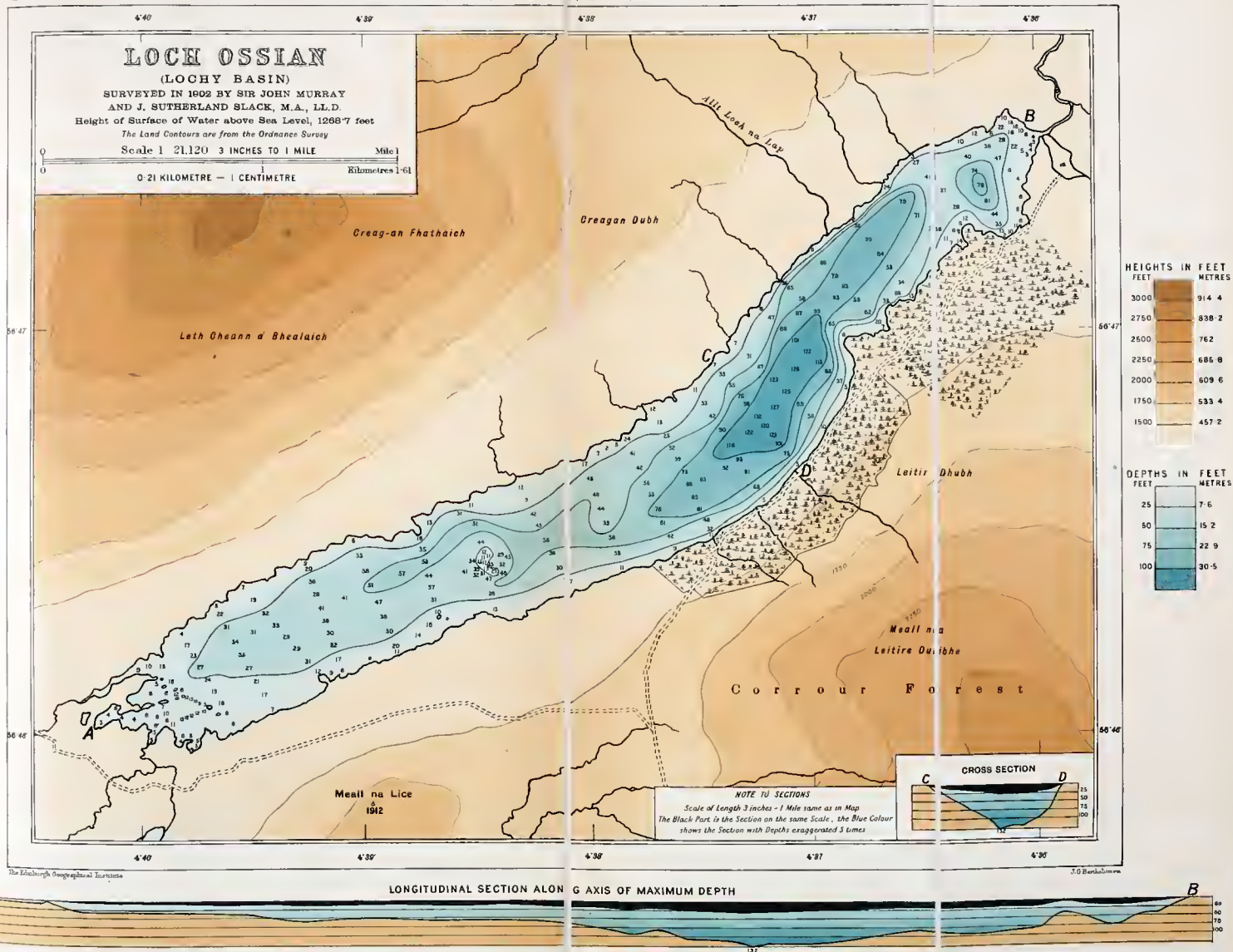


BATHYMETRICAL SURVEY OF THE FRESH-WATER LOCHS OF SCOTLAND

UNDER THE DIRECTION OF

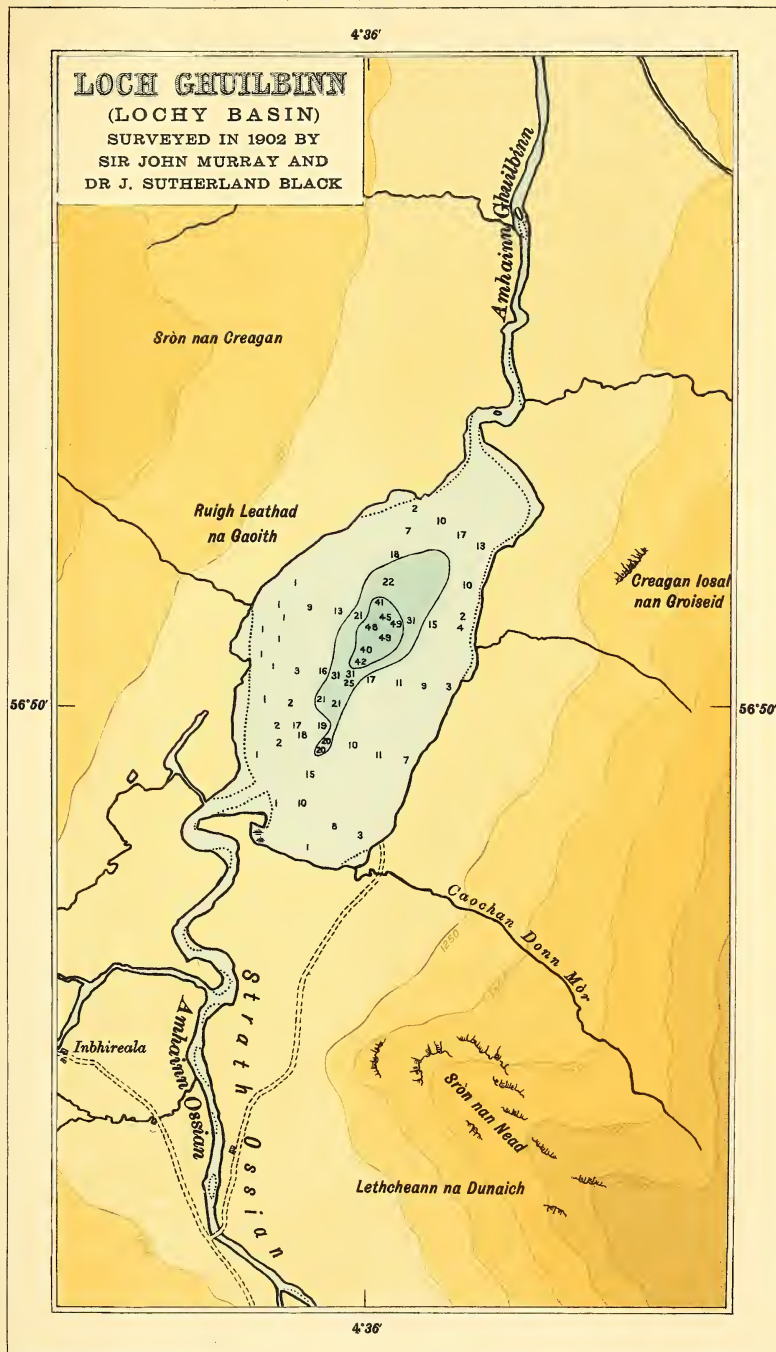
SIR JOHN MURRAY, K.C.S., F.R.S. D.S.C., AND LAURENCE PULLAR, F.R.S.E.

PLATE IV



BATHYMETRICAL SURVEY OF THE FRESH-WATER LOCHS OF SCOTLAND

UNDER THE DIRECTION OF
SIR JOHN MURRAY, K.C.B., F.R.S., D.Sc., AND LAURENCE PULLAR, F.R.S.E.





P

4° 46'

4° 45'

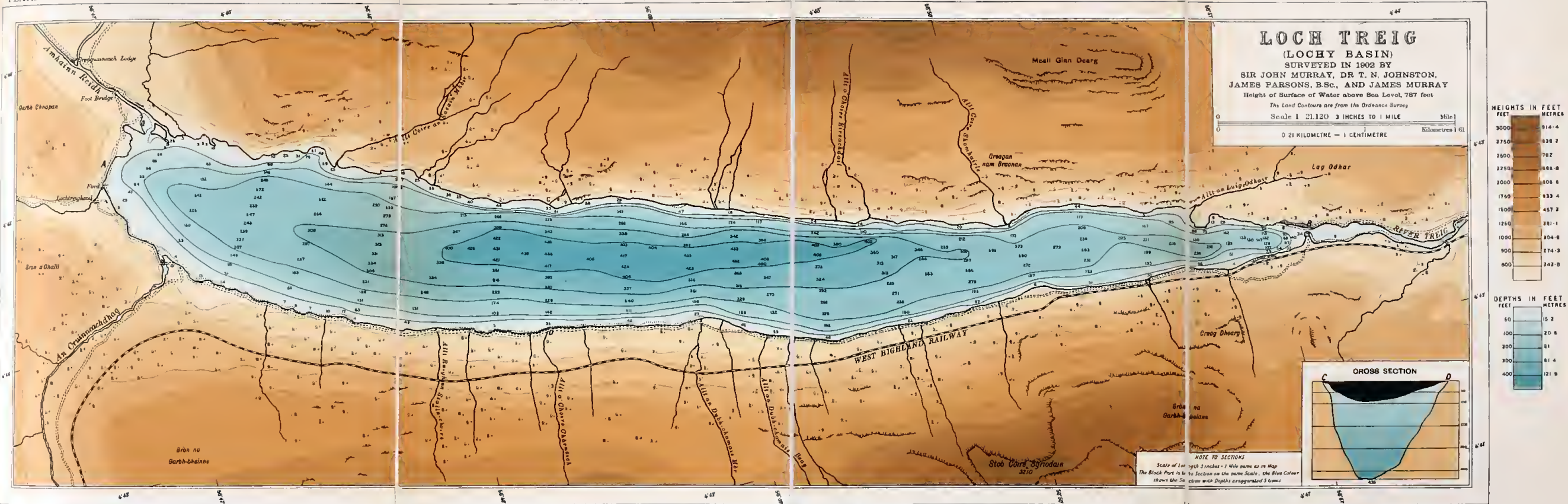
4° 44'

The

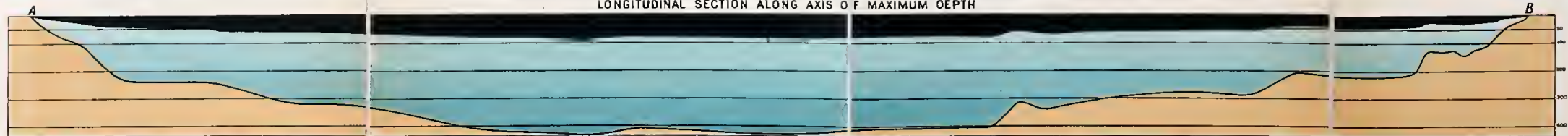
~~PLATE VI~~

UNDER THE DIRECTION OF

SIR JOHN MURRAY, K.C.B., F.R.S., D.Sc., AND LAURENCE PULLAR, F.R.S.E.



LONGITUDINAL SECTION ALONG AXIS OF MAXIMUM DEPTH

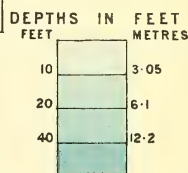
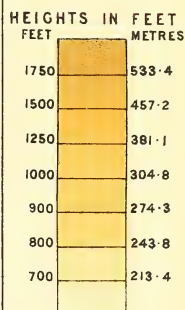
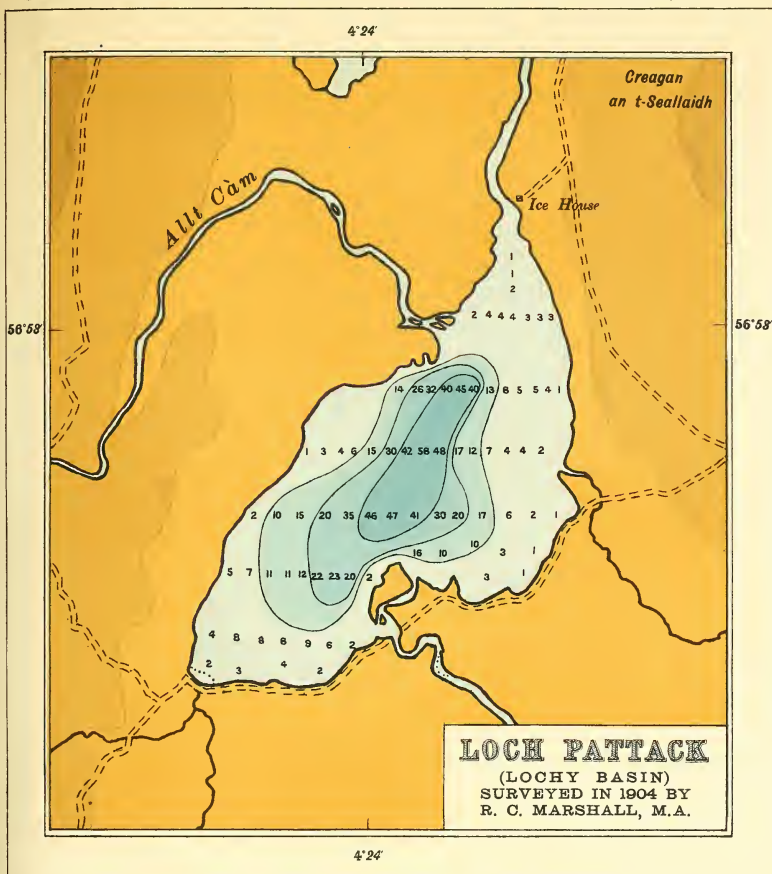


BATHYMETRICAL SURVEY OF THE LOCHS OF SCOTLAND

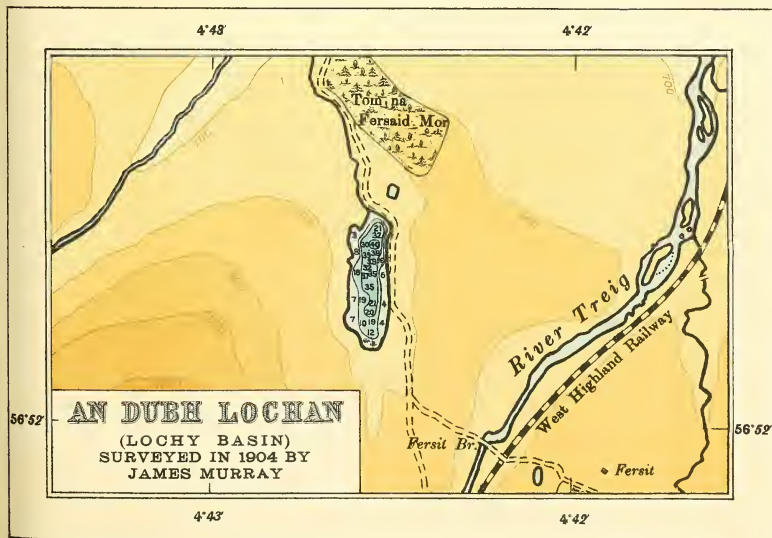
LXXXIX.

UNDER THE DIRECTION OF

SIR JOHN MURRAY, K.C.B., F.R.S., D.SC., AND LAURENCE PULLAR, F.R.S.E.



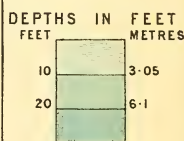
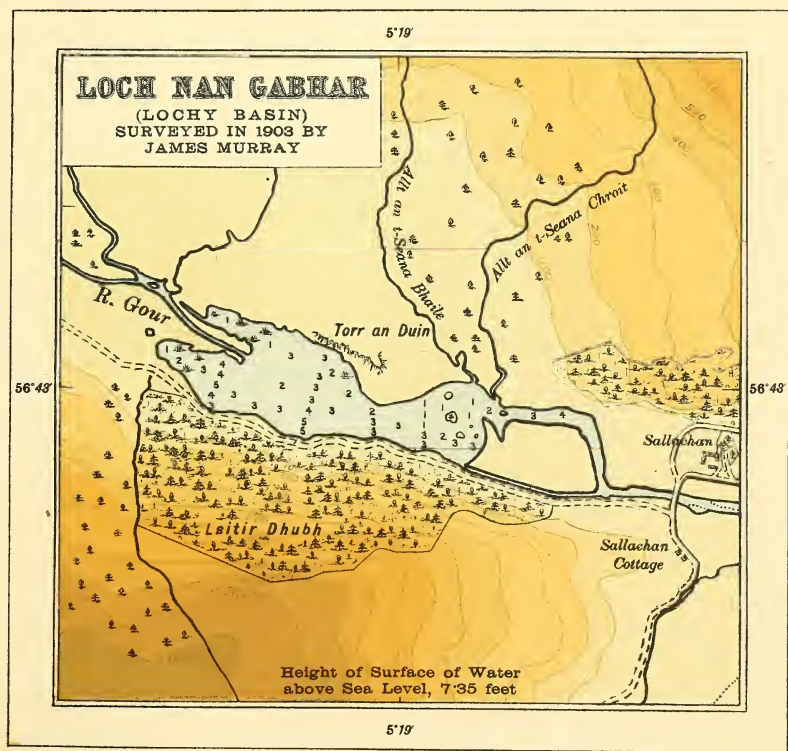
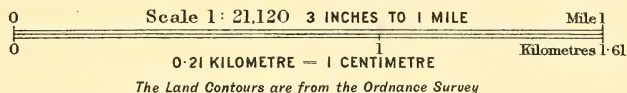
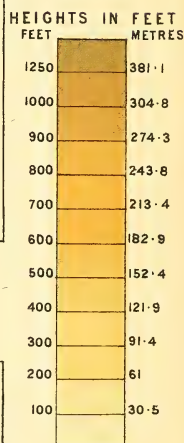
Scale 1: 21,120 3 INCHES TO 1 MILE
0.21 KILOMETRE — 1 CENTIMETRE
The Land Contours are from the Ordnance Survey



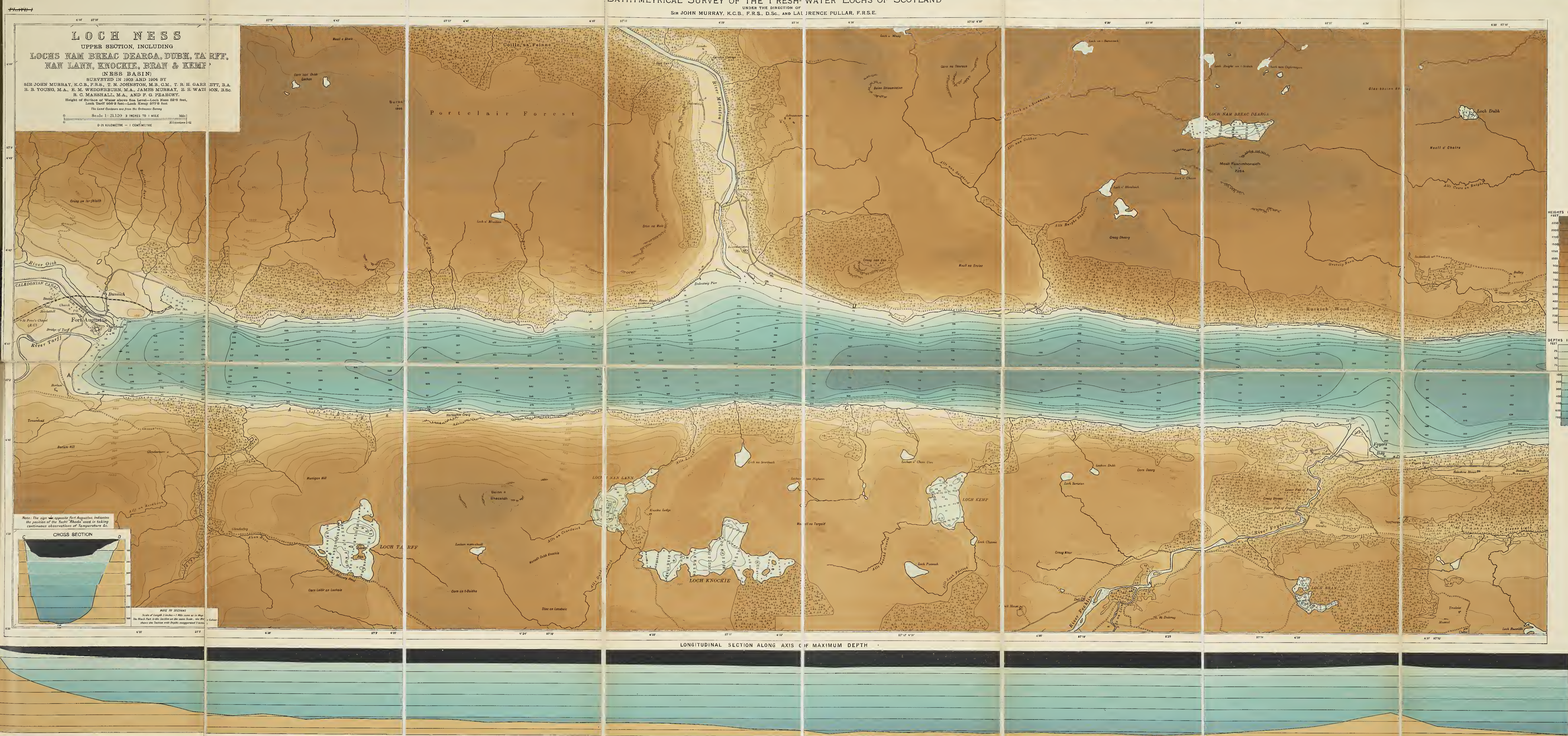
BATHYMETRICAL SURVEY OF THE LOCHS OF SCOTLAND

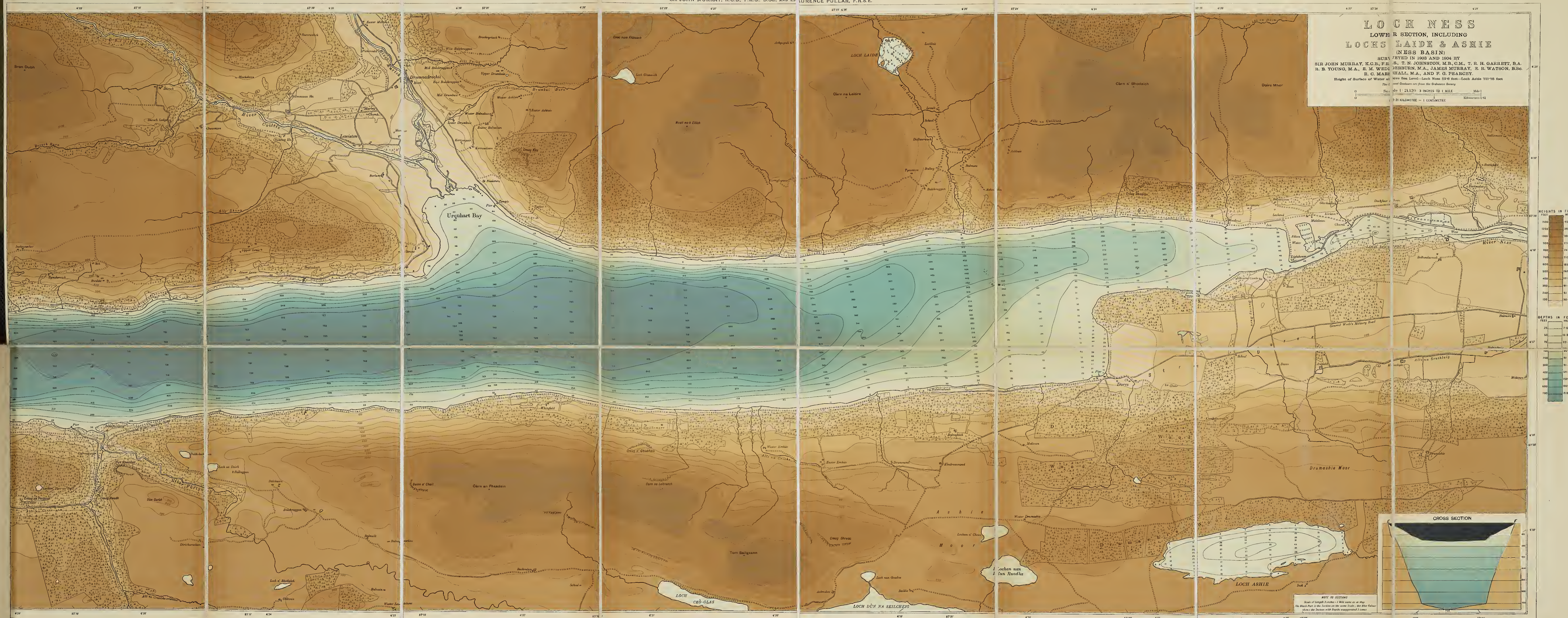
UNDER THE DIRECTION OF

SIR JOHN MURRAY, K.C.B., F.R.S., D.Sc., AND LAURENCE PULLAR, F.R.S.E.







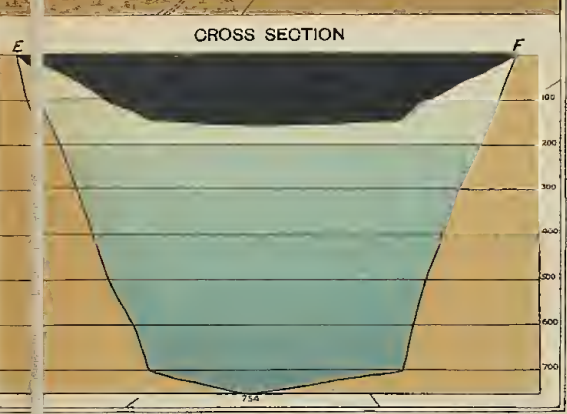


LOCH NESS
LOWER SECTION, INCLUDING
LOCHS LAIDHE & ASHIE
(NESS BASIN)

SURVEYED IN 1903 AND 1904 BY
SIR JOHN MURRAY, K.C.B., F.R.S., D.S.C., AND L.
LAURENCE PULLAR, F.R.S.E.

Scale: 1" = 1 MILE
1:25,000

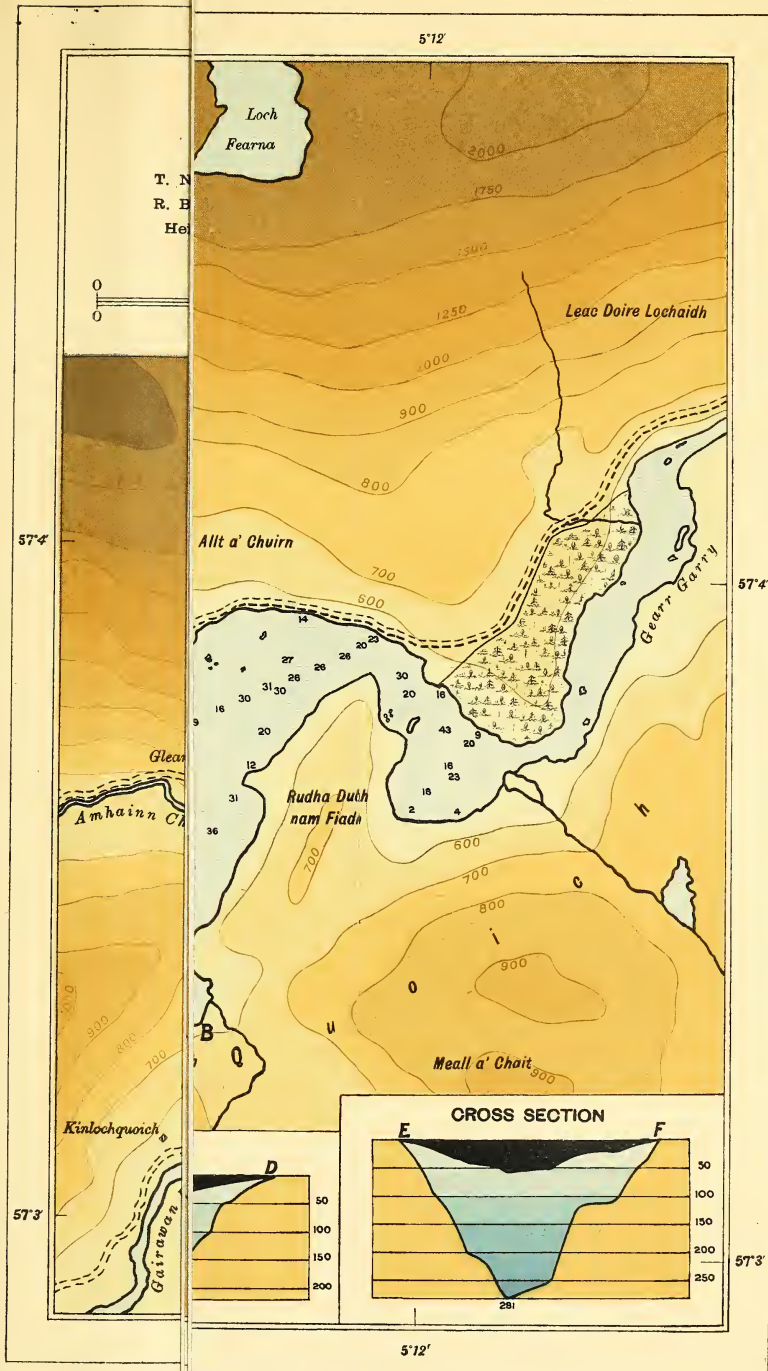
Heights in Feet: 0 to 1000
Depths in Feet: 0 to 1000



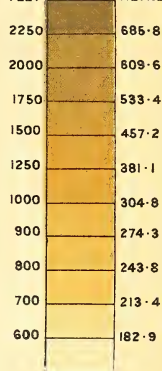
LONGITUDINAL SECTION ALONG AXIS OF MAXIMUM DEPTH



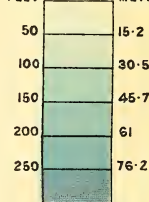
PLATE III



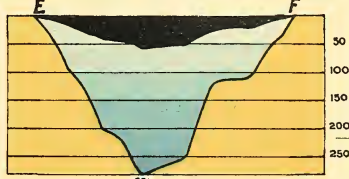
HEIGHTS IN FEET METRES



DEPTHS IN FEET METRES



CROSS SECTION



~~PLATE IV~~

LOC

SURVEYED IN
The Land Cont

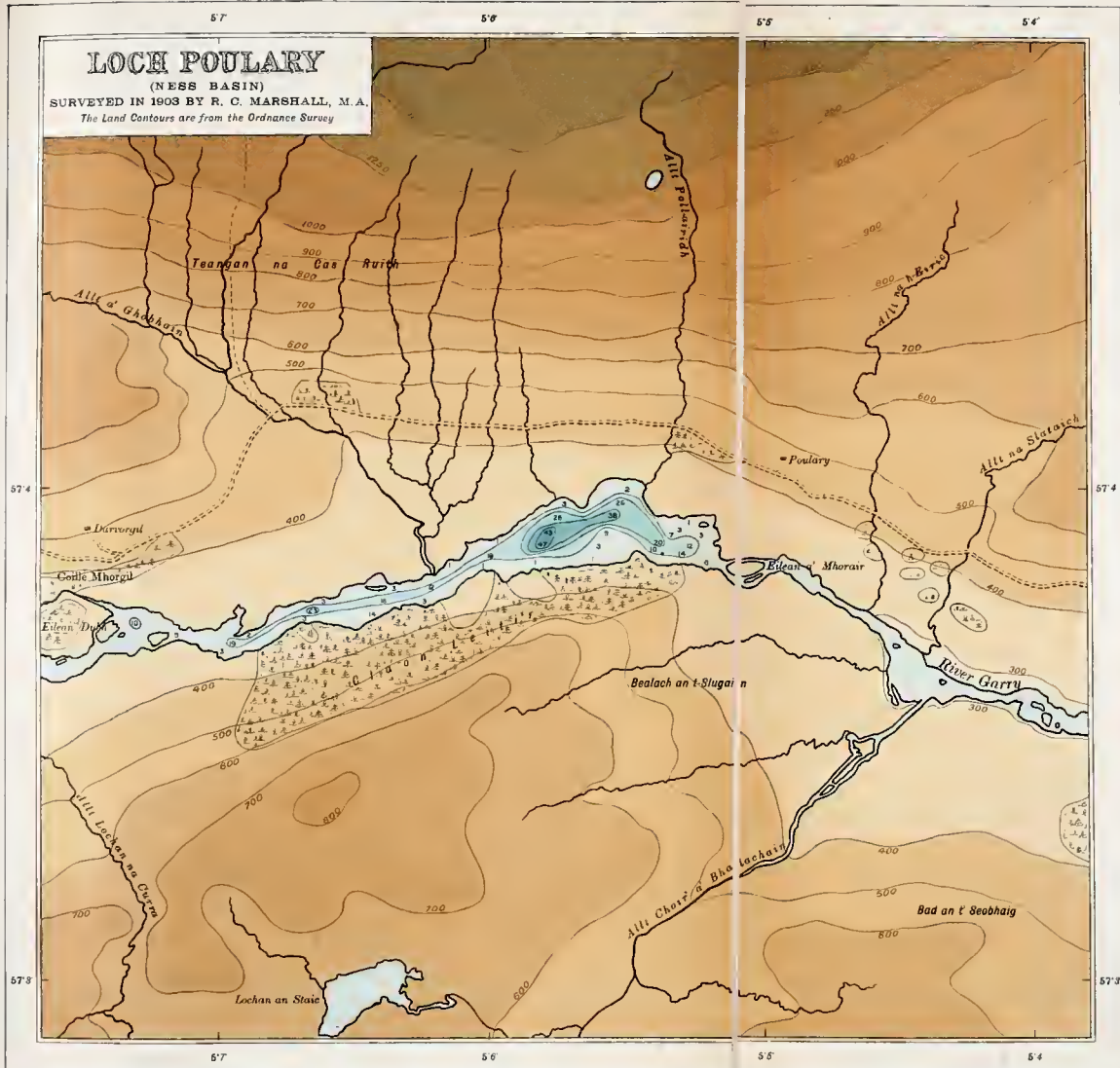


BATHYMETRICAL SURVEY OF THE FRESH-WATER LOCHS OF SCOTLAND

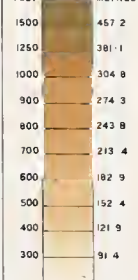
UNDER THE DIRECTION OF

SIR JOHN MURRAY, K.C.S., F.R.S., D.Sc., AND LAURENCE PULGAR, F.R.S.E.

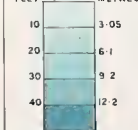
PLATE IV



HEIGHTS IN FEET



DEPTHS IN FEET



The Edinburgh Geographical Institute

Scale 1: 21,120 3 INCHES TO 1 MILE
0.21 KILOMETRE — 1 CENTIMETRE

J. B. B. B. B.

PL 22

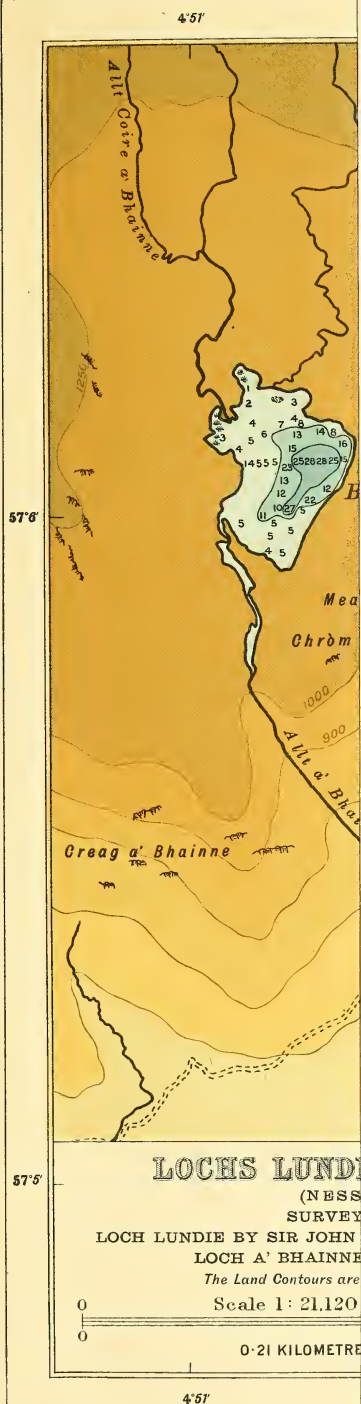
57'5"

57'4"

BATHYMETRIC

PLATE VI

SIR JO



The Edinburgh Geographical Institute

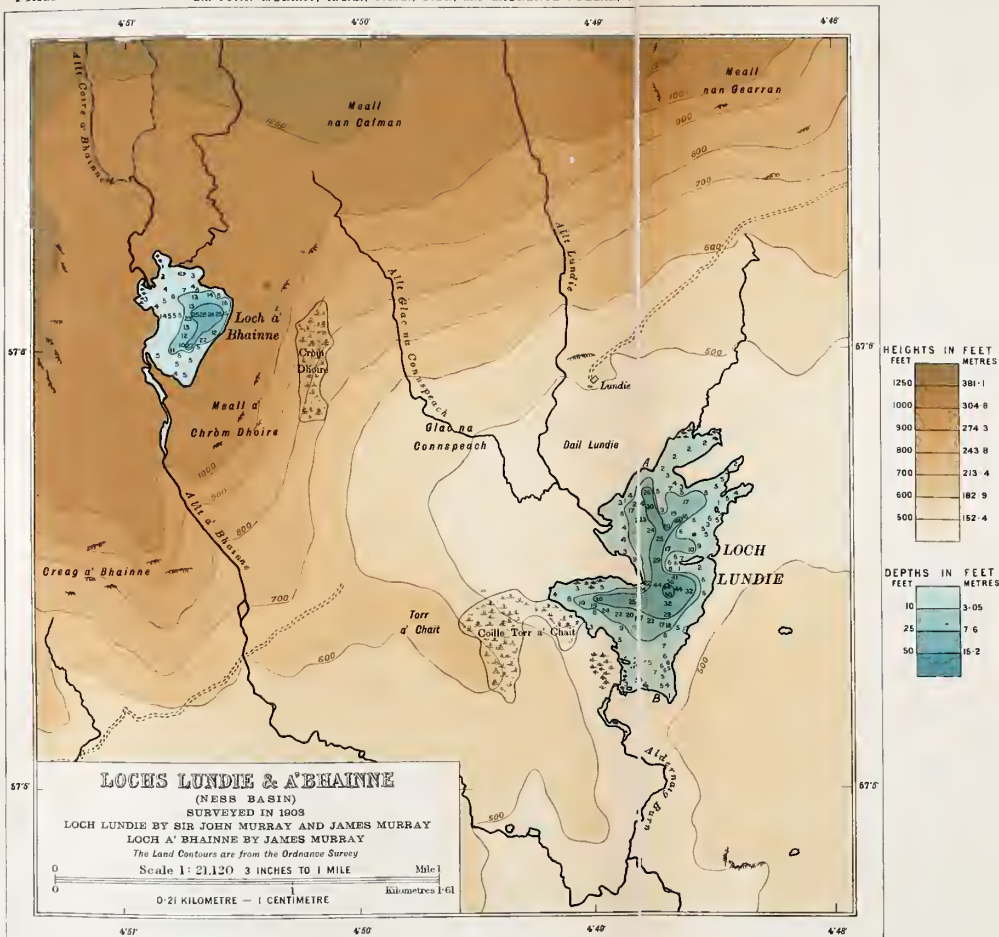
NOTE

Scale of Length 3 inches
The Black Part is the Section
shows the Section with

BATHYMETRICAL SURVEY OF THE FRESH-WATER LOCHS OF SCOTLAND

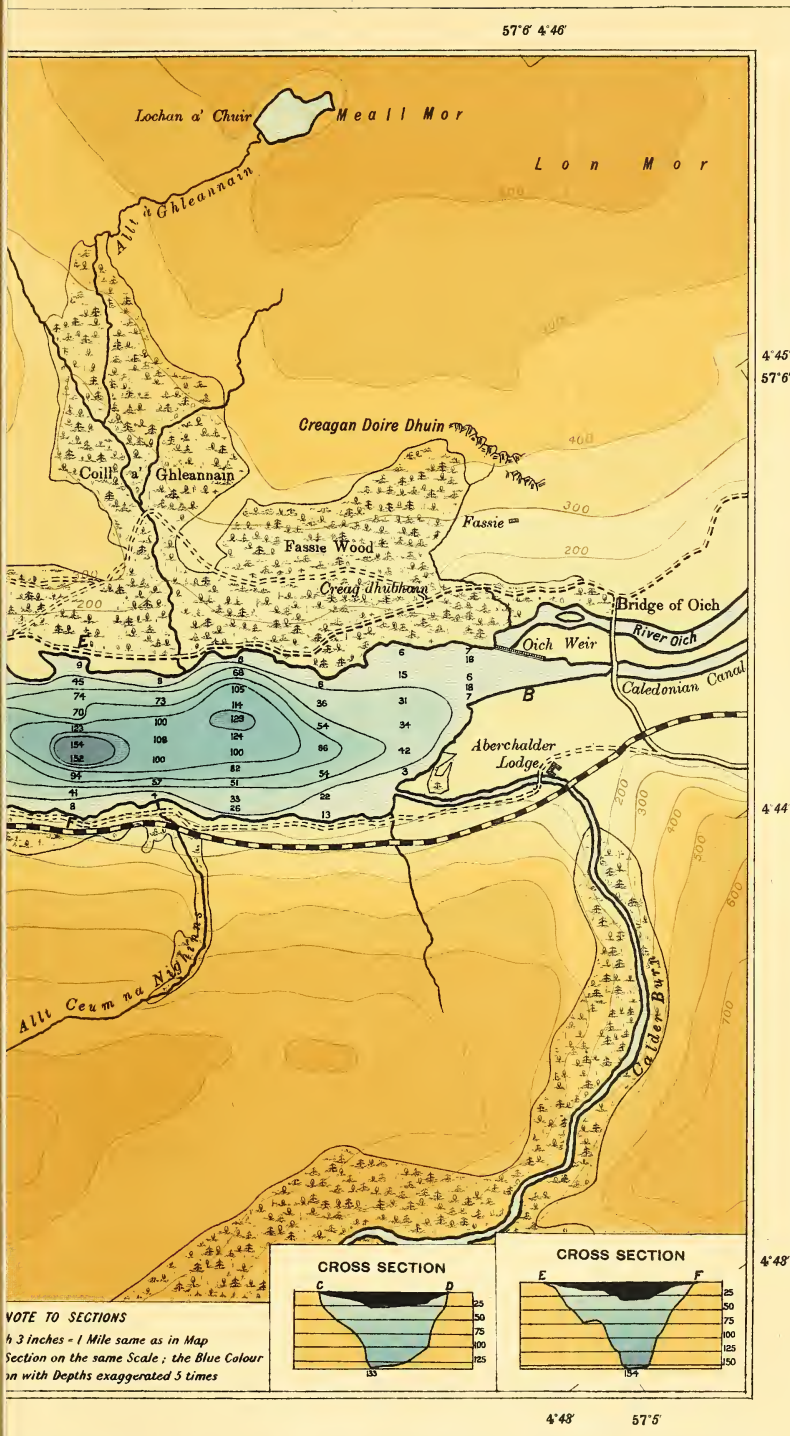
UNDER THE DIRECTION OF

SIR JOHN MURRAY, K.C.B., F.R.S., D.Sc., AND LAURENCE PULLAR, F.R.S.E.



The Edinburgh Geographical Institute

J.D. Dundas

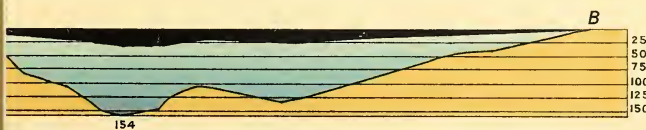


HEIGHTS IN FEET
 FEET METRES

1500	457.2
1250	381.1
1000	304.8
900	274.3
800	243.8
700	213.4
600	182.9
500	152.4
400	121.9
300	91.4
200	61

DEPTHS IN FEET
 FEET METRES

25	7.6
50	15.2
75	22.9
100	30.5
125	38.1
150	45.7

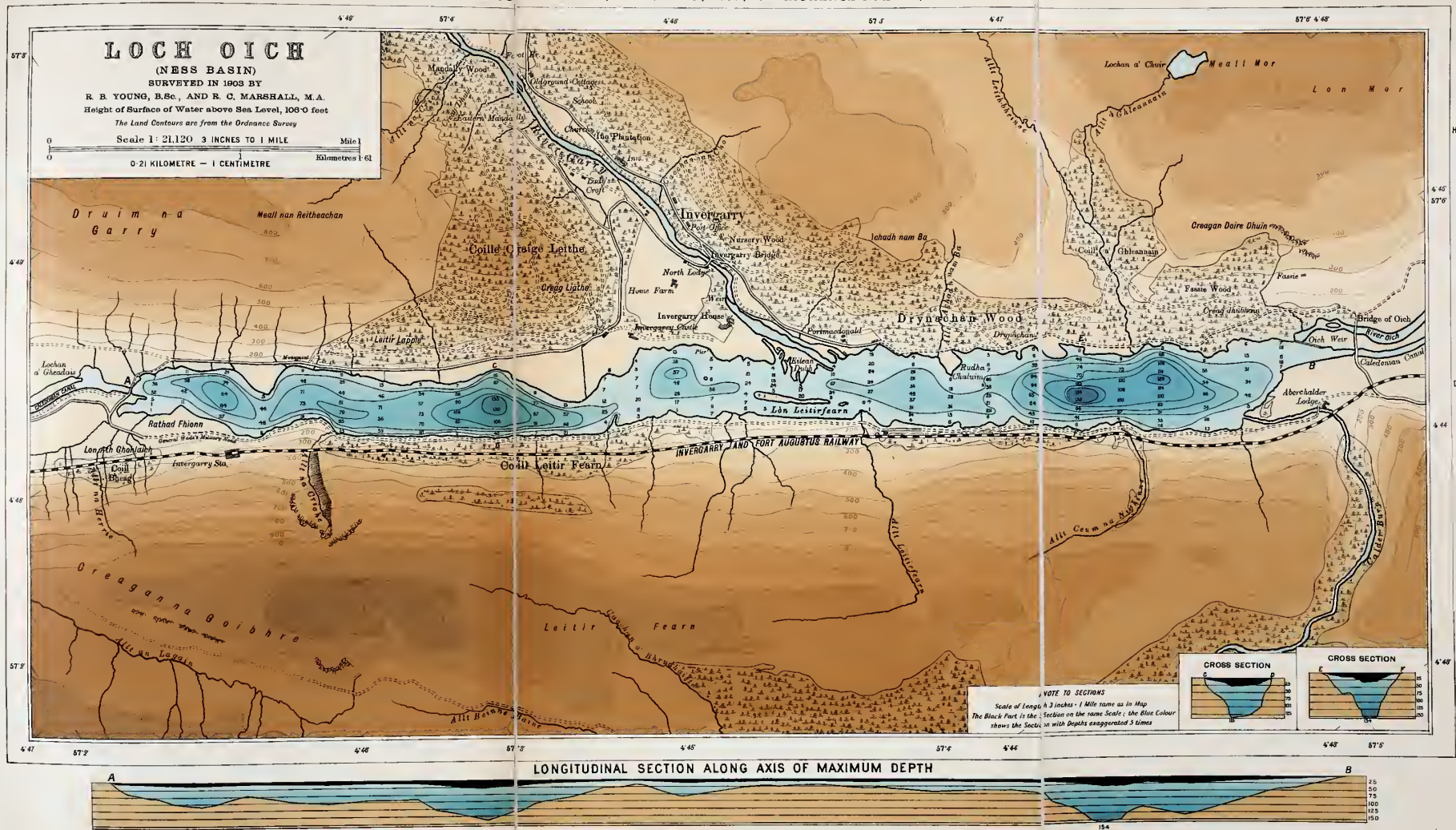


BATHYMETRICAL SURVEY OF THE FRESH-WATER LOCHS OF SCOTLAND

XCVII.

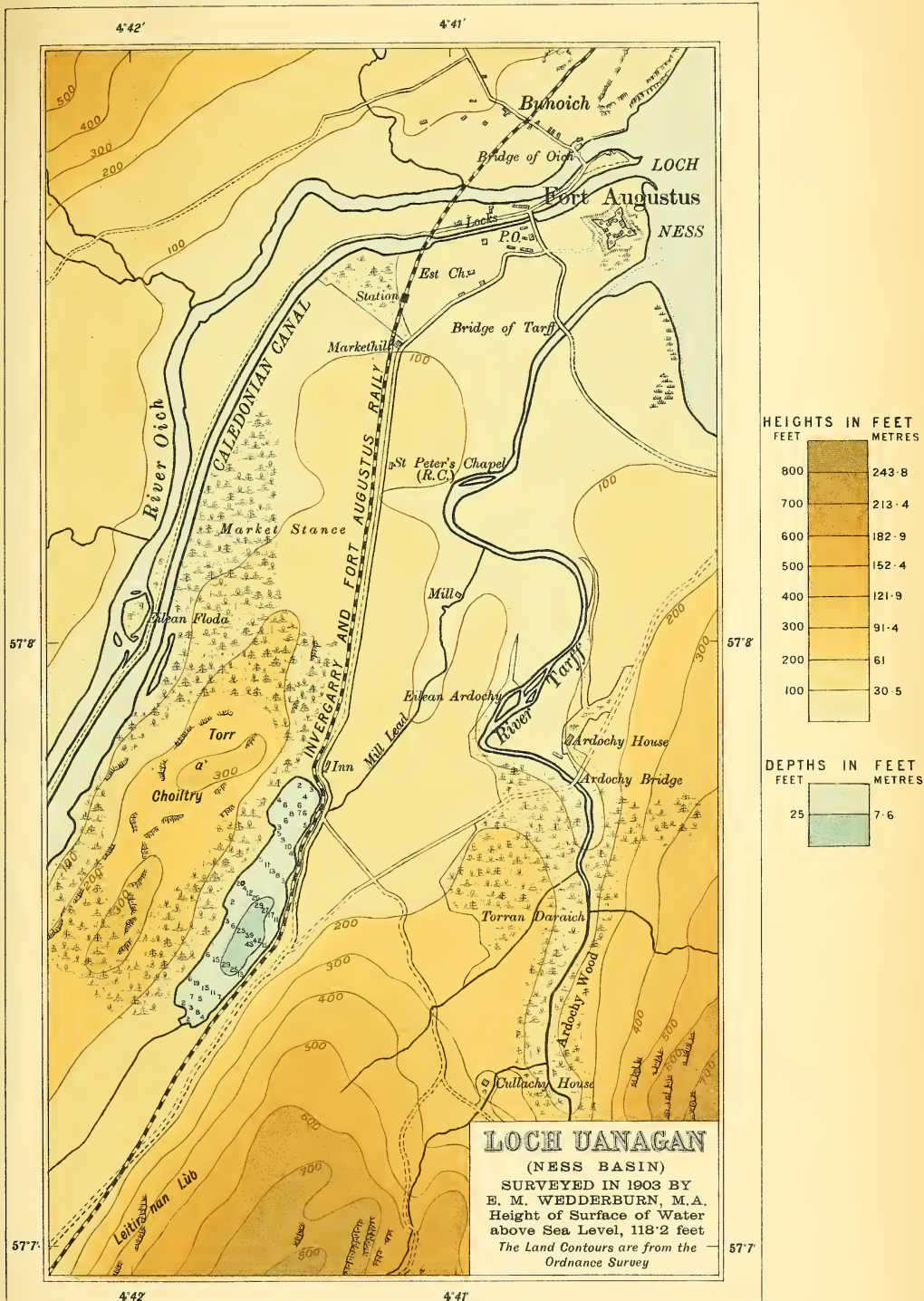
PLATE VII

SIR JOHN MURRAY, K.C.B., F.R.S., D.Sc., AND LAURENCE PULLAR, F.R.S.E.



ATHYMETRICAL SURVEY OF THE FRESH-WATER LOCHS OF SCOTLAND

UNDER THE DIRECTION OF
SIR JOHN MURRAY, K.C.B., F.R.S., D.Sc., AND LAURENCE PULLAR, F.R.S.E.

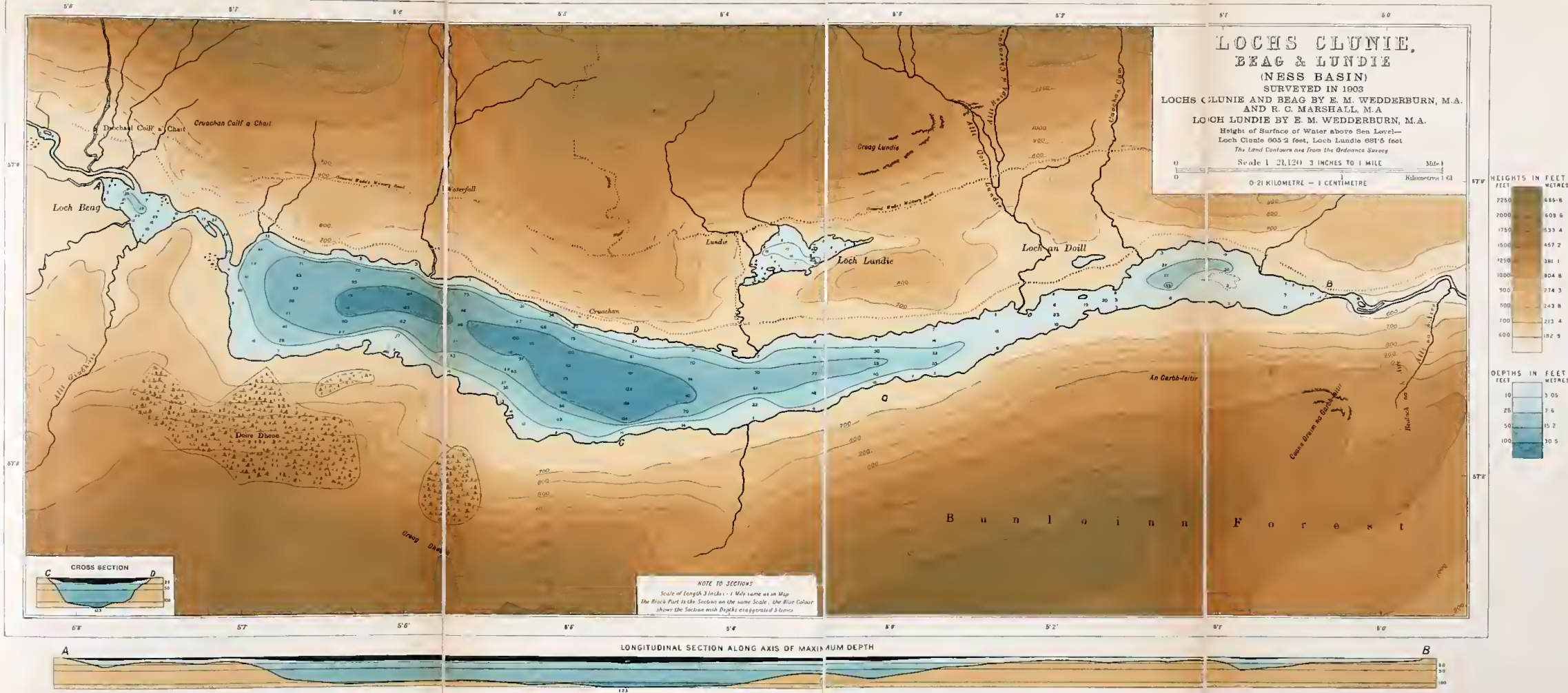


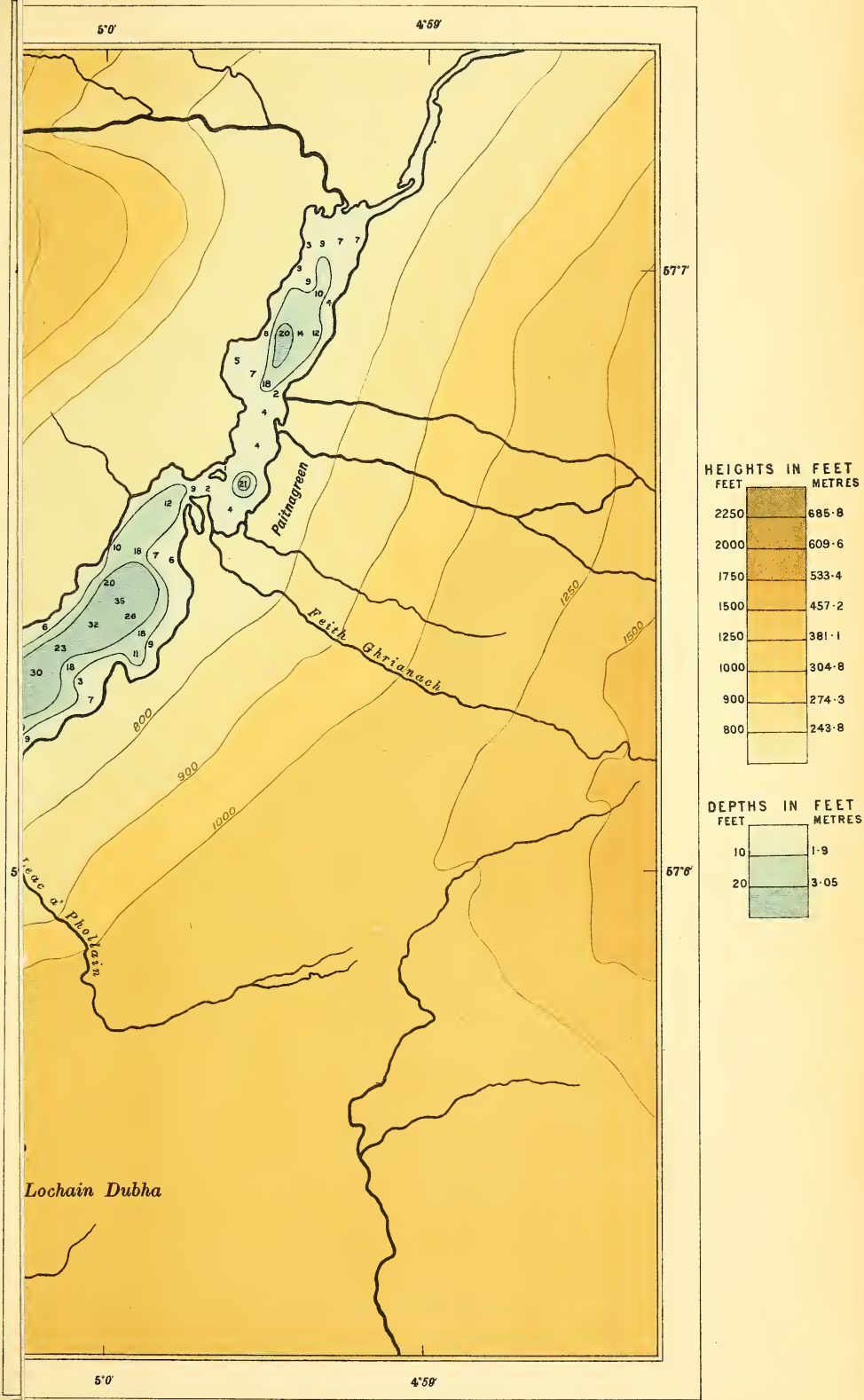
PLATE



BATHYMETRICAL SURVEY OF THE FRESH-WATER LOCHS OF SCOTLAND

UNDER THE DIRECTION OF
SIR JOHN MURRAY, K.C.B., F.R.S., D.Sc., AND LAURANCE PULLAR, F.R.S.E.





BATHYMETRICAL SURVEY OF THE FRESH-WATER LOCHS OF SCOTLAND

UNDER THE DIRECTION OF

SIR JOHN MURRAY, K.C.B., F.R.S., D.Sc., AND LAURENCE PULLAR, F.R.S.E.

LOCH LOYNE

(EAST AND WEST)
(NESS BASIN)

SURVEYED IN 1903 AND 1904

EAST LOCH BY T. N. JOHNSTON, M.B., O.M., E. M. WEDDERBURN, M.A.
AND JAMES MURRAY

WEST LOCH BY R. B. YOUNG, B.Sc., AND R. C. MARSHALL, M.A.

Height of Surface of Water above Sea Level—

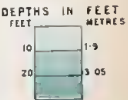
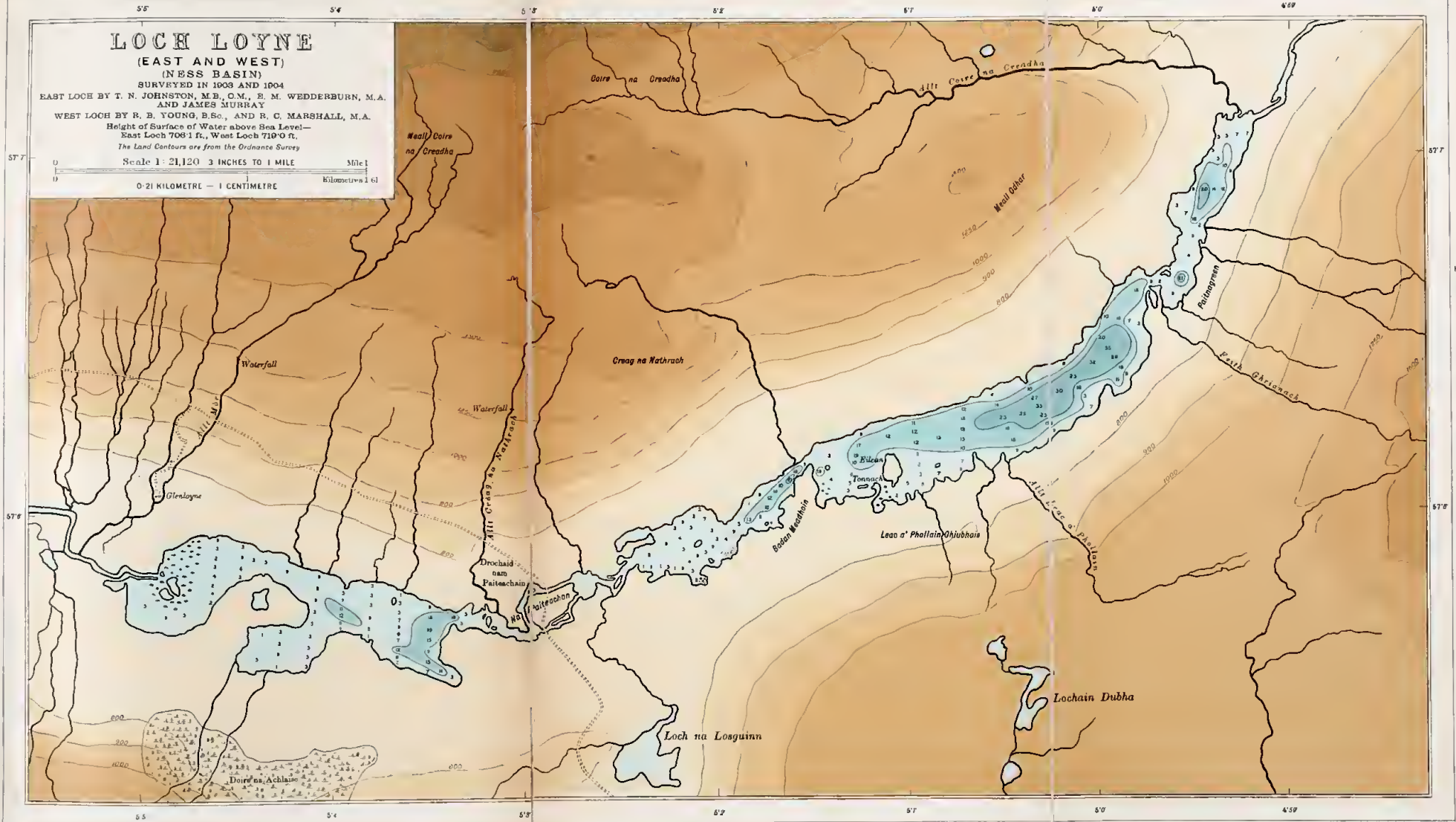
East Loch 708.1 ft., West Loch 719.0 ft.

The Land Contours are from the Ordnance Survey

Scale 1: 21,120 3 INCHES TO 1 MILE

Kilometres 1:61

0.21 KILOMETRE — 1 CENTIMETRE



PLATE

4° 39'

IS AN STACA, A'VULLAN, LIATH & ASLAICH

(NESS BASIN)

SURVEYED IN 1904

HS AN STACA, A'VULLAN & ASLAICH BY

E. M. WEDDERBURN, M.A.

LOCH LIATH BY R. C. MARSHALL, M.A.

Height of Surface of Water above Sea Level, 1494.1 feet

The Land Contours are from the Ordnance Survey

Scale 1: 21,120 3 INCHES TO 1 MILE

Mile 1

0.21 KILOMETRE — 1 CENTIMETRE

Kilometres 1.61

4° 38'

HEIGHTS IN FEET
FEET

2000 609.6

1750 533.4

1500 457.2

1250 381.1

DEPTHS IN FEET
FEET

10 3.05

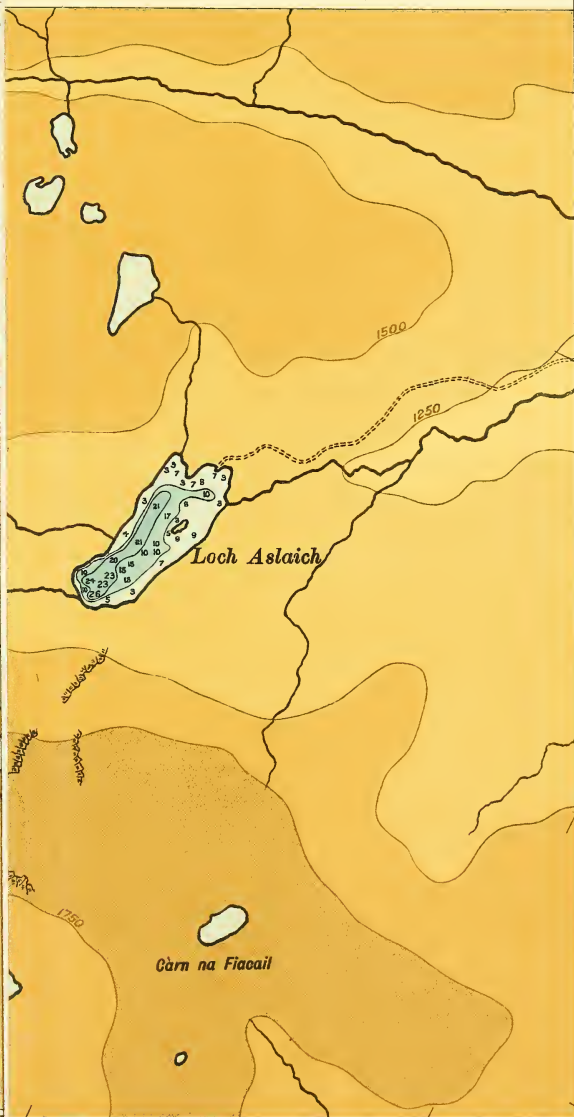
20 6.1

50 15.2

57° 17'

4° 37'

57° 16'

4° 48'
57° 15'

57° 14'

4° 47'

4° 38'

4° 37'

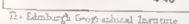
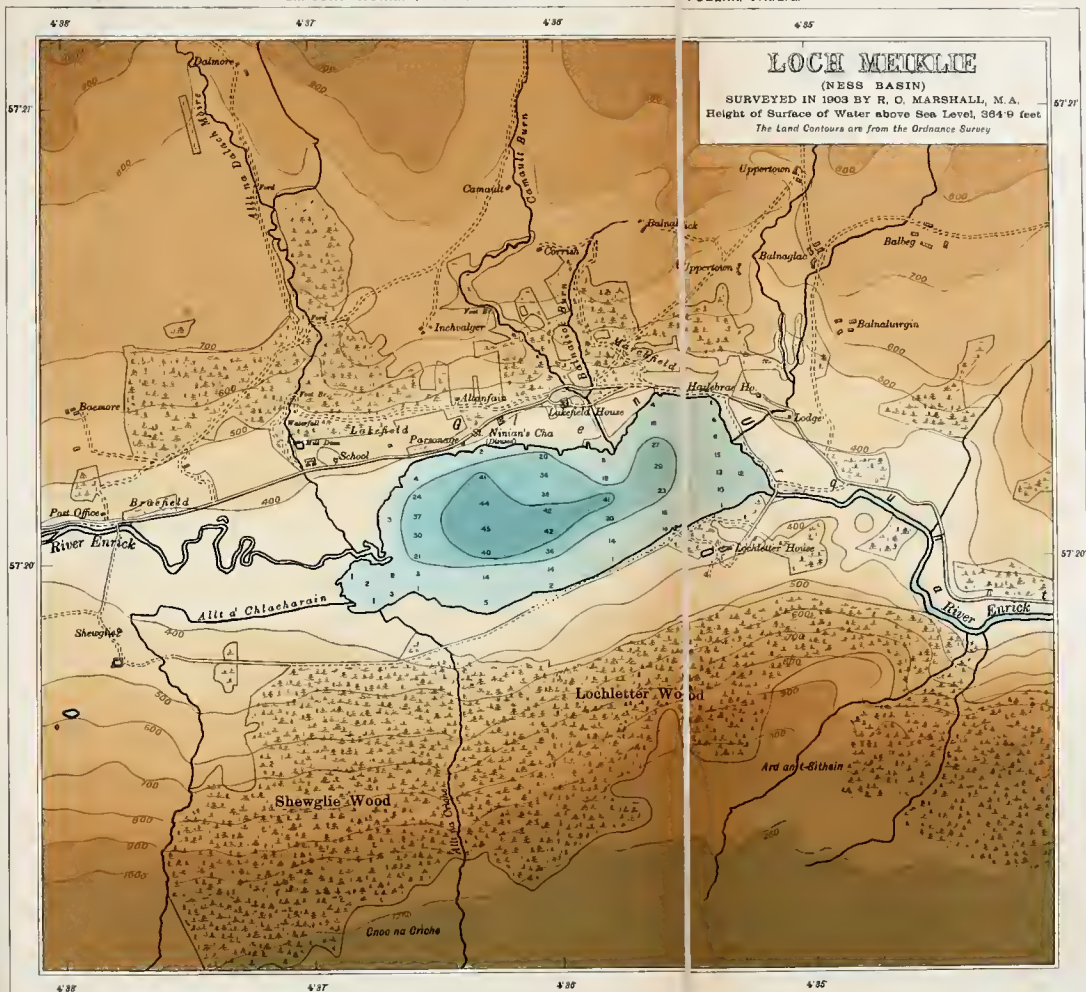
~~MATHS~~

PLATE X



LOCHS OF SCOTLAND

UNDER THE DIRECTION OF
SIR JOHN MURRAY, K.C.S., F.R.S., D.Sc., AND LAURENCE PULLAR, F.R.S.E.



P

57'12'

57'8'

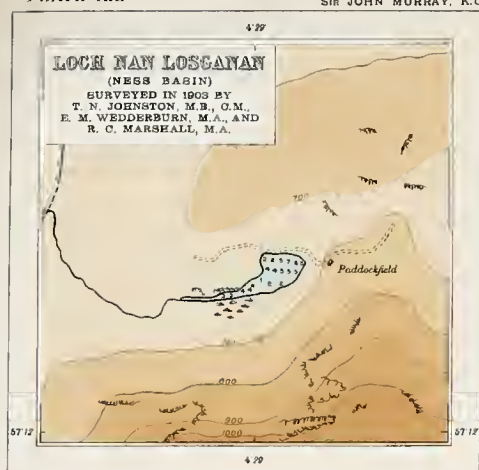
The Edin

BATHYMETRICAL SURVEY OF THE FRESH-WATER LOCHS OF SCOTLAND

UNDER THE DIRECTION OF

SIR JOHN MURRAY, K.C.B., F.R.S., D.Sc., AND LAURENCE PULLAR, F.R.S.E.

PLATE XX

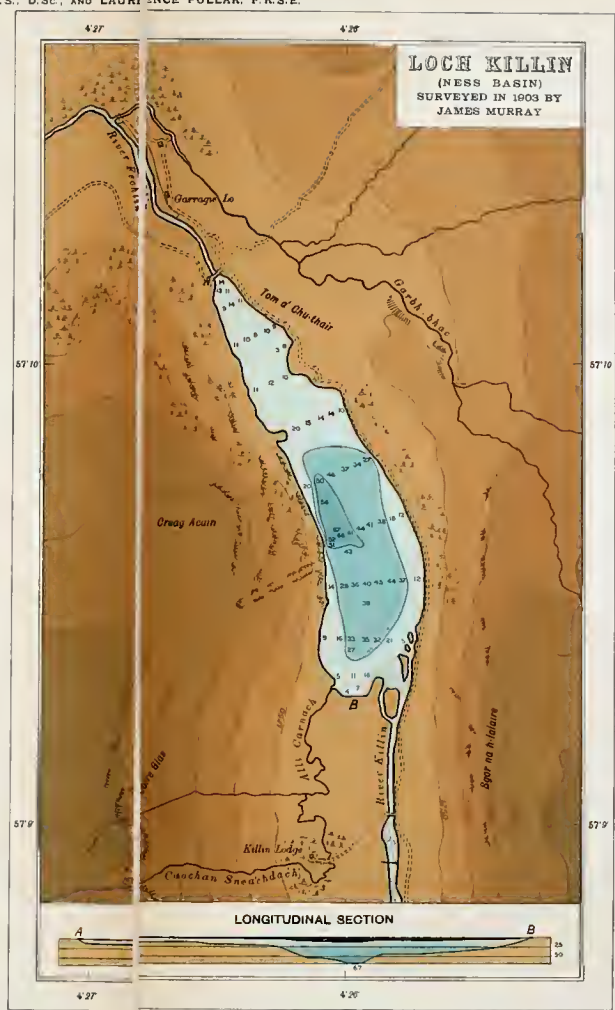


The Land Contours are from the Ordnance Survey



The Edinburgh Geographical Institute

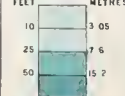
Scale 1:21,120 3 INCHES TO 1 MILE
0 1 2 Kilometres 1 61
0 21 KILOMETRE - 1 CENTIMETRE



HEIGHTS IN FEET
METRES



DEPTHS IN FEET
METRES

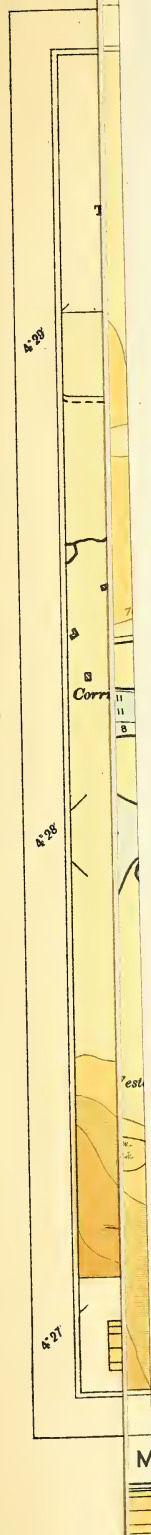


NOTE TO SECTION

Scale of Length 3 inches = 1 Mile same as in Map
The Black Part is the Section on the same Scale, the Blue Colour
shows the Section with Depths exaggerated 3 times

J. O. Bartholomew

PLATE



BATHYMETRICAL SURVEY OF THE FRESH-WATER LOCHS OF SCOTLAND

UNDER THE DIRECTION OF
SIR JOHN MURRAY, K.C.B., F.R.S., D.Sc., AND LAURENCE PULLAR, F.R.S.E.

LOCH MEOR

(LOCHS GARTH & FARRALINE)
(NESS BASIN)

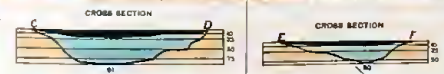
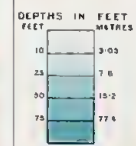
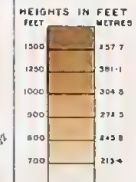
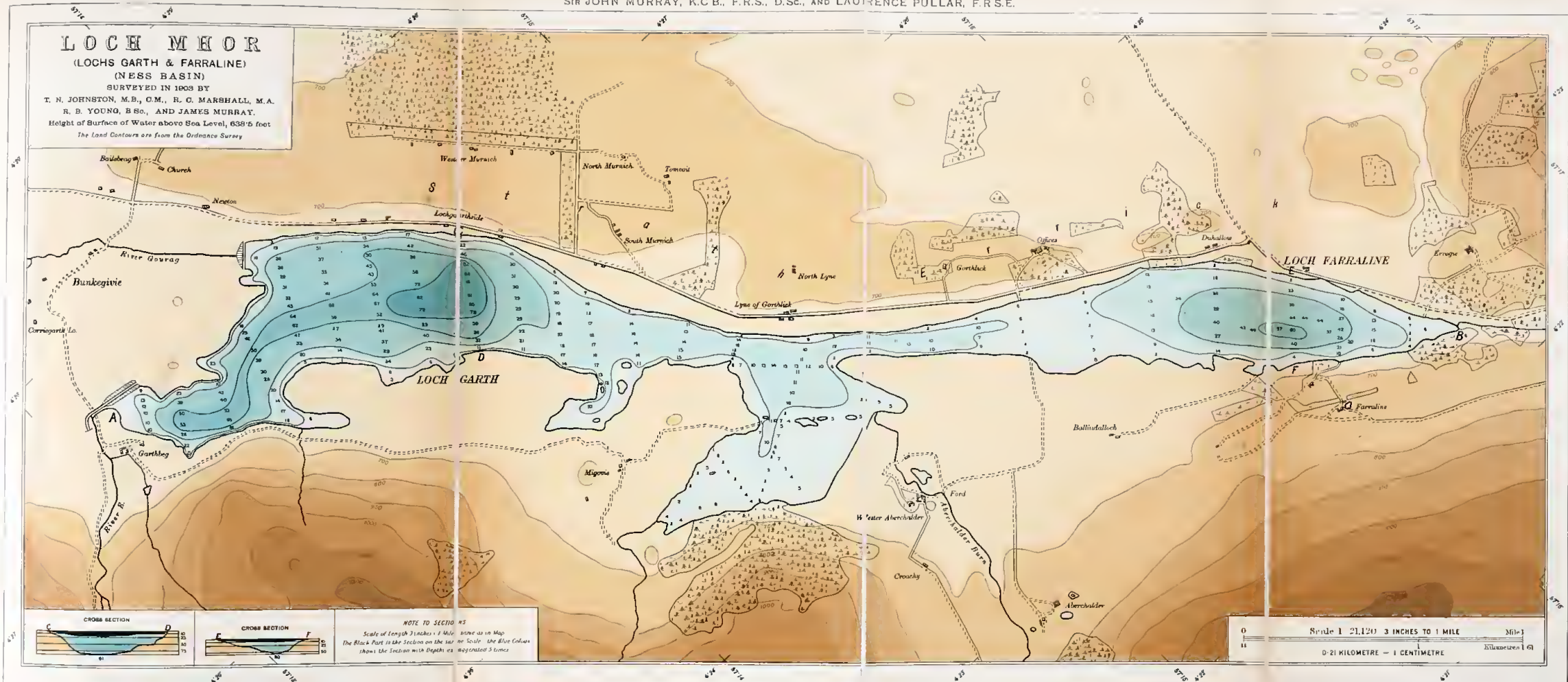
SURVEYED IN 1903 BY

T. N. JOHNSTON, M.B., O.M., R. C. MARSHALL, M.A.

R. D. YOUNG, B.Sc., AND JAMES MURRAY.

Height of Surface of Water above Sea Level, 638.5 feet

The Land Contours are from the Ordnance Survey



NOTE TO SECTION WS
Scale of Length 1 inch = 1 Mile same as in Map
The Black Part is the Section on the surface of the Lake the Blue Colours show the Section with Depths magnified 5 times

LONGITUDINAL SECTION ALONG AXIS OF MAXIMUM DEPTH



F

57°20

57°19

The Edi

~~PLATE XXV~~
~~PLATE XXV~~

418

478

417

4°16'

(NESS BASIN)

SURVEYED IN 1903 BY JAMES MURRAY

Height of Surface of Water above Sea Level
Loch Ruthven 701.1 feet, Loch A' Choire 865.0 feet

The Land Contours are from the Ordnance Survey

Scale 1: 21,120 3 INCHES TO 1 MILE

metres 1.61

0.21 KILOMETRE — 1 CENTIMETRE

Kilometres 1.61

Craig Dhearg

Tom na h-Iolaire

Dalcrombie

Tort Bag

LOCH RUTHVEN

Craig Ruthven

—

η Tynrich

40

SECTION

NOTE TO SECTION
Scale of Length 3 inches = 1 Mile same as in Map
The Black Part is the Section on the same Scale, the Blue Colour
shows the Section with Depths exaggerated 3 times

HEIGHTS IN FEET
FEET _____ METRES

1250	381.1
1000	304.8
900	274.3
800	243.8

DEPTHS IN FEET	
FEET	METRES
10	3
20	6
30	9
40	12
50	15
60	18
70	21
80	24
90	27
100	30
110	33
120	36
130	39
140	42
150	45
160	48
170	51
180	54
190	57
200	60
210	63
220	66
230	69
240	72
250	75
260	78
270	81
280	84
290	87
300	90
310	93
320	96
330	99
340	102
350	105
360	108
370	111
380	114
390	117
400	120
410	123
420	126
430	129
440	132
450	135
460	138
470	141
480	144
490	147
500	150
510	153
520	156
530	159
540	162
550	165
560	168
570	171
580	174
590	177
600	180
610	183
620	186
630	189
640	192
650	195
660	198
670	201
680	204
690	207
700	210
710	213
720	216
730	219
740	222
750	225
760	228
770	231
780	234
790	237
800	240
810	243
820	246
830	249
840	252
850	255
860	258
870	261
880	264
890	267
900	270
910	273
920	276
930	279
940	282
950	285
960	288
970	291
980	294
990	297
1000	300

10	3.05
25	7.6
50	15.2

The Edinburgh Geographical Institute

J O Bartholomew



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