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GLEN CANYON ENVIRONMENTAL STUDIES OFFICE
DEC 30 1996
RECEIVED
FLAGSTAFF, AZ

MEMORANDUM

DATE: 8 April 1993

FROM: Owen T. Gorman, GCES Project Coordinator

TO: GCES Little Colorado researchers

SUBJECT: Provisional map of the Little Colorado River

Attached is a provisional map of the LCR showing the locations of all USFWS habitat transects, transect IDs, bank location of transect tags/flags, and other features and land marks of the LCR. The base map is the "GCES Little Colorado River Photo Interpreted Map" dated May 28, 1988.

Also attached is a DBASE listing of all USFWS transects in the LCR. The variable fields are as follows:

TRNUM *transect number*; starting from the lowest transect (TRNUM=0) in an upstream direction to above Chute Falls (UFZ, TRNUM=709)

ID *transect ID*; the identifying code written on the aluminum transect tag

KM *kilometers from Zero Rock*; kilometer distances to each transect were measured from the nearest kilometer pointer on an enlarged GCES base map with a digital device. Therefore, the transect kilometer values are only as accurate at the values on the GCES base map. Note: the "0" pointer runs across the upstream side of "Zero Rock."

M 1 = 100 meter transect; 0 = 20 meter transect (USFWS habitat notation)

FLAG *transect flag/tag location:* R = right bank, L = left bank, B = both. Bank orientation is determined facing upstream.

COMMENTS descriptions of features and landmarks relative to transect locations

480.00
RGS-8.00
L778
24285

GIS 0200-lcrmapprov

04/08/93

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TRNUM	ID	KM	M	FLAG	COMMENTS
0	.02	-0.020	0	R	just below "Zero Rock" (L)
1	ADD	0.013	0	R	
2	ADC	0.035	0	R	
3	ADB	0.052	0	R	
4	ADA	0.080	1	R	
5	ACZ	0.093	0	R	
6	ACY	0.117	0	R	
7	ACX	0.139	0	R	
8	ACW	0.152	1	R	
9	ACV	0.174	0	R	
10	ACU	0.198	0	R	
11	ACT	0.217	0	R	
12	ACS	0.235	0	R	
13	ACR	0.252	1	R	
14	ACQ	0.270	0	R	
15	ACP	0.289	0	R	travertine complex
16	ACO	0.304	0	R	travertine complex
17	ACN	0.326	0	R	travertine complex
18	ACM	0.348	1	R	
19	ACL	0.365	0	R	
20	ACK	0.385	0	R	
21	ACJ	0.404	0	R	
22	ACI	0.420	0	R	Beamer's Cabin (R)
23	ACH	0.441	1	R	
24	ACG	0.461	0	R	
25	ACF	0.480	0	R	
26	ACE	0.500	0	R	
27	ACD	0.522	0	R	
28	ACC	0.542	1	R	
29	ACB	0.561	0	R	below Ledges Camp (L)
30	ACA	0.583	0	R	above Ledges Camp (L)
31	ABZ	0.603	0	R	
32	ABY	0.625	0	R	
33	ABX	0.640	1	R	above "RR Tie Rock" (L)
34	ABW	0.662	0	R	above travertine falls complex
35	ABV	0.680	0	R	
36	ABU	0.697	0	R	
37	ABT	0.719	0	R	
38	ABS	0.735	1	R	
39	ABR	0.759	0	R	travertine complex
40	ABQ	0.776	0	R	
41	ABP	0.796	0	R	
42	ABO	0.814	0	R	
43	ABN	0.833	1	R	
44	ABM	0.855	0	R	
45	ABL	0.864	0	R	
46	ABK	0.886	0	R	
47	ABJ	0.908	0	L	
48	ABI	0.928	1	L	
49	ABH	0.947	0	L	

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TRNUM	ID	KM	M	FLAG	COMMENTS
50	ABG	0.965	0	L	
51	ABF	0.987	0	L	
52	ABE	1.004	0	L	
53	ABD	1.022	1	L	below USGS Guaging Station (R)
54	ABC	1.042	0	L	above USGS Guaging Station (R)
55	ABB	1.061	0	L	
56	ABA	1.079	0	L	
57	AAZ	1.096	0	L	travertine falls/dam complex
58	AAY	1.114	1	L	trav. reef/boulder complex
59	AAX	1.136	0	L	
60	AAW	1.160	0	B	
61	AAV	1.180	0	B	
62	AAU	1.204	0	B	
63	AAT	1.230	1	B	
64	AAS	1.250	0	B	
65	AAR	1.272	0	R	"Jump-off Rock" (L)
66	AAQ	1.289	0	R	end of travertine complex
67	AAP	1.309	0	R	
68	AAO	1.329	1	R	
69	AAN	1.344	0	R	
70	AAM	1.355	0	R	
71	AAL-1	1.377	0	R	
72	AAL-2	1.395	0	R	
73	AAL-3	1.412	0	R	
74	AAK	1.432	0	R	
75	AAJ	1.458	1	R	
76	AAI	1.478	0	R	
77	AAH	1.500	0	R	
78	AAG	1.522	0	R	
79	AAF	1.549	0	R	
80	AAE	1.569	1	R	
81	AAD	1.593	0	R	
82	AAC	1.611	0	R	
83	AAB	1.633	0	R	
84	AAA	1.653	0	R	
85	ZZ	1.670	1	R	
86	ZY	1.695	0	R	
87	ZX	1.715	0	R	
88	ZW	1.732	0	R	
89	ZV	1.750	0	R	
90	ZU	1.772	1	R	
91	ZT	1.792	0	R	
92	ZS	1.812	0	B	
93	ZR	1.832	0	B	
94	ZQ	1.852	0	B	
95	ZP	1.872	1	B	
96	ZO	1.892	0	B	
97	ZN	1.909	0	B	
98	ZM	1.929	0	B	
99	ZL	1.954	0	B	downstream of AZGF Camp (L)

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TRNUM	ID	KM	M	FLAG	COMMENTS
100	ZK	1.978	1	B	upstream of AZGF Camp (L)
101	ZJ	2.000	0	B	trav falls/bldr cmplx (R)
102	ZI	2.020	0	B	
103	ZH	2.047	0	B	end travertine complex (R)
104	ZG	2.081	0	B	
105	ZF	2.112	1	B	
106	ZE	2.137	0	B	
107	ZD	2.159	0	B	
108	ZC	2.186	0	B	
109	ZB	2.209	0	B	
110	ZA	2.231	1	B	
111	A	2.251	0	B	"A Rock" (L)
112	D	2.267	0	B	
113	H	2.283	0	B	
114	L	2.301	0	B	
115	P	2.321	0	B	start trav reef/bldr cmplx (R)
116	T	2.343	0	L	
117	X	2.363	0	L	
118	AB	2.383	0	L	end trav reef/bldr cmplx (R)
119	AF	2.401	0	L	
120	AJ	2.422	1	L	
121	AN	2.444	0	L	
122	AR	2.464	0	L	
123	AV	2.487	0	L	
124	AZ	2.509	0	L	
125	BD	2.528	1	L	
126	BH	2.543	0	L	"Conglomerate Rock" (L)
127	BL	2.560	0	L	
128	BP	2.575	0	L	
129	BT	2.595	0	L	
130	BX	2.614	1	L	
131	CB	2.636	0	L	
132	CF	2.653	0	L	
133	CJ	2.675	0	L	
134	CN	2.696	0	L	
135	CR	2.718	0	L	below 1st lg tower rock far R
136	CV	2.736	1	L	below 2nd lg tower rock far R
137	DA	2.761	0	L	opening of Powell Canyon
138	DB	2.782	0	L	above 3rd lg tower rock far R
139	DC	2.804	0	L	
140	DD	2.823	0	L	
141	DE	2.845	1	L	
142	DF	2.864	0	L	
143	DG	2.881	0	L	
144	DH	2.897	0	L	
145	DI	2.916	0	L	travertine reef/falls complex
146	DJ	2.935	1	L	
147	DK	2.955	0	L	end travertine complex
148	DL	2.978	0	L	
149	DM	2.998	0	L	

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TRNUM	ID	KM	M	FLAG	COMMENTS
150	DN	3.015	0	L	
151	DO	3.028	0	L	
152	DP	3.045	1	L	below Powell Camp (L)
153	DQ	3.065	0	L	above Powell Camp (L)
154	DR	3.086	0	L	
155	DS	3.106	0	L	
156	DT	3.127	0	L	
157	DU	3.147	1	L	
158	DV	3.166	0	L	
159	DW	3.190	0	L	
160	DX	3.211	0	L	
161	DY	3.235	0	L	
162	DZ	3.256	1	L	
163	EA	3.274	0	L	travertine complex
164	EB	3.295	0	L	
165	EC	3.319	0	L	
166	ED	3.338	0	L	
167	EE	3.358	1	L	
168	EF	3.379	0	L	
169	EG	3.401	0	L	
170	EH	3.425	0	L	travertine complex (R)
171	EI	3.446	0	L	
172	EJ	3.470	1	L	
173	EK	3.494	0	L	
174	EL	3.519	0	L	
175	EM	3.539	0	L	
176	EN	3.560	0	L	
177	EO	3.584	1	L	
178	EP	3.603	0	L	
179	EQ	3.624	0	L	
180	ER	3.644	0	L	
181	ES	3.663	0	L	spring (R)
182	ET	3.680	1	L	
183	EU	3.702	0	L	
184	EV	3.721	0	L	
185	EW	3.742	0	L	
186	EX	3.764	0	L	
187	EY	3.788	1	L	
188	EZ	3.813	0	L	
189	FA	3.830	0	L	
190	FB	3.856	0	L	
191	FC	3.878	0	L	start of travertine complex
192	FD	3.895	1	L	spring (R)
193	FE	3.916	0	L	spring (R)
194	FF	3.936	0	L	
195	FG	3.955	0	L	end of travertine complex
196	FH	3.979	0	L	
197	FI	4.000	1	L	
198	FJ	4.015	0	L	
199	FK	4.034	0	L	

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TRNUM	ID	KM	M	FLAG	COMMENTS
200	FL	4.054	0	L	
201	FM	4.071	0	L	
202	FN	4.091	1	L	
203	FO	4.110	0	L	
204	FP	4.131	0	L	
205	FQ	4.151	0	L	
206	FR	4.168	0	L	
207	FS	4.192	1	L	
208	FT	4.211	0	L	
209	FU	4.231	0	L	
210	FV	4.254	0	L	
211	FW	4.276	0	L	
212	FX	4.297	1	L	
213	FY	4.319	0	L	
214	FZ	4.343	0	L	travertine complex
215	GA	4.362	0	L	
216	GB	4.384	0	L	
217	GC	4.405	1	L	
218	GD	4.425	0	L	
219	GE	4.446	0	L	
220	GF	4.465	0	L	
221	GG	4.487	0	L	
222	GH	4.511	1	L	
223	GI	4.530	0	L	
224	GJ	4.552	0	L	
225	GK	4.571	0	L	
226	GL	4.593	0	L	start of trav reef complex
227	GM	4.614	1	L	
228	GN	4.631	0	L	
229	GO	4.655	0	L	end of travertine reef complex
230	GP	4.675	0	L	
231	GQ	4.692	0	L	
232	GR	4.711	1	L	
233	GS	4.733	0	L	start of travertine complex
234	GT	4.756	0	L	
235	GU	4.780	0	L	
236	GV	4.806	0	L	
237	GW	4.830	1	L	
238	GX	4.853	0	L	
239	GY	4.875	0	L	
240	GZ	4.901	0	L	end of travertine complex
241	HA	4.918	0	L	
242	HB	4.941	1	L	
243	HC	4.962	0	L	
244	HD	4.983	0	L	
245	HE	5.006	0	L	
246	HF	5.026	0	L	
247	HG	5.047	1	L	
248	HH	5.061	0	L	
249	HI	5.091	0	L	

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TRNUM	ID	KM	M	FLAG	COMMENTS
250	HJ	5.112	0	L	
251	HK	5.134	0	L	downstream of spring (R)
252	HL	5.153	1	L	upstream of spring (R)
253	HM	5.177	0	L	
254	HN	5.196	0	L	
255	HO	5.213	0	L	
256	HP	5.233	0	L	start of trav reef complex
257	HQ	5.254	1	L	upstream of spring (R)
258	HR	5.276	0	L	
259	HS	5.297	0	L	
260	HT	5.319	0	L	
261	HU	5.338	0	L	
262	HV	5.360	1	L	
263	HW	5.375	0	L	
264	HX	5.399	0	L	upstream of spring (L)
265	HY	5.418	0	L	end of travertine complex
266	HZ	5.435	0	L	
267	IA	5.457	1	L	
268	IB	5.474	0	L	
269	IC	5.496	0	L	start of trav reef complex
270	ID	5.513	0	L	
271	IE	5.534	0	L	
272	IF	5.553	1	L	
273	IG	5.574	0	L	
274	IH	5.595	0	L	
275	IH-2	5.612	0	L	end of travertine complex
276	II	5.631	0	L	
277	IJ	5.653	0	L	
278	IK	5.674	1	L	start of trav/bldr cmplx (L)
279	IL	5.693	0	R	
280	IM	5.716	0	R	opening of Coyote Canyon (L)
281	IN	5.739	0	R	
282	IO	5.761	0	R	end of trav/bldr cmplx (L)
283	IP	5.784	1	R	
284	IQ	5.807	0	R	
285	IR	5.835	0	R	
286	IS	5.856	0	R	
287	IT	5.883	0	R	
288	IU	5.907	1	R	
289	IV	5.928	0	R	
290	IW	5.949	0	R	
291	IX	5.970	0	R	
292	IY	5.992	0	R	
293	IZ	6.013	1	R	
294	JA	6.030	0	R	large rocks in channel (R)
295	JB	6.051	0	R	
296	JC	6.070	0	R	
297	JD	6.093	0	R	
298	JE	6.114	1	R	
299	JF	6.133	0	R	

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TRNUM	ID	KM	M	FLAG	COMMENTS
300	JG	6.157	0	R	
301	JH	6.178	0	R	
302	JI	6.199	0	R	
303	JJ	6.220	1	R	White Spot (L)
304	JK	6.233	0	R	White Spot (L)
305	JL	6.267	0	R	start of trav reef/bldr cmplx
306	JM	6.278	0	R	large house-size rocks (JL-JM)
307	JN	6.294	0	R	
308	JO	6.311	1	R	
309	JP	6.331	0	R	end of travertine complex
310	JQ	6.347	0	R	
311	JR	6.369	0	R	
312	JS	6.388	0	R	
313	JT	6.407	1	R	
314	JU	6.424	0	R	
315	JV	6.443	0	R	
316	JW	6.462	0	R	
317	JX	6.481	0	R	
318	JY	6.500	1	R	
319	JZ	6.517	0	R	start of trav/bldr complex
320	KA	6.534	0	R	
321	KB	6.551	0	R	
322	KC	6.570	0	R	
323	KD	6.591	1	R	
324	KE	6.608	0	R	
325	KF	6.622	0	R	
326	KG	6.641	0	R	
327	KH	6.660	0	R	
328	KI	6.677	1	R	
329	KJ	6.692	0	R	
330	KK	6.713	0	R	
331	KL	6.728	0	R	
332	KM	6.745	0	R	
333	KN	6.762	1	R	
334	KO	6.781	0	R	
335	KP	6.802	0	R	
336	KQ	6.819	0	R	
337	KR	6.840	0	R	
338	KS	6.863	1	R	
339	KT	6.882	0	R	
340	KU	6.903	0	R	
341	KV	6.924	0	R	(KW omitted)
342	KX	6.943	0	R	(KW omitted)
343	KY	6.962	1	R	
344	KZ	6.983	0	R	
345	LA	7.002	0	R	
346	LB	7.022	0	R	end of travertine complex
347	LC	7.041	0	R	
348	LD	7.063	1	R	
349	LE	7.085	0	R	

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TRNUM	ID	KM	M	FLAG	COMMENTS
350	LF	7.104	0	R	
351	LG	7.120	0	R	
352	LH	7.141	0	R	
353	LI	7.157	1	R	
354	LJ	7.178	0	R	
355	LK	7.200	0	R	
356	LL	7.220	0	R	
357	LM	7.241	0	R	
358	LN	7.257	1	R	downstream of spring (R)
359	LO	7.278	0	R	
360	LP	7.296	0	R	
361	LQ	7.317	0	R	start of trav/bldr complex
362	LR	7.339	0	R	
363	LS	7.355	1	R	
364	LT	7.379	0	R	
365	LU	7.396	0	R	spring (R)
366	LV	7.417	0	R	
367	LW	7.439	0	R	end of travertine complex
368	LX	7.461	1	R	just upstream of spring (R)
369	LY	7.480	0	R	large rock (R)
370	LZ	7.498	0	R	start travertine complex
371	MA	7.520	0	R	just below spring (L)
372	MB	7.535	0	R	downstream side of Sipapu (L)
373	MC	7.557	1	R	upstream side of Sipapu (L)
374	MD	7.576	0	R	
375	ME	7.596	0	R	just above spring (L)
376	MF	7.620	0	R	end travertine complex
377	MG	7.639	0	R	
378	MH	7.663	1	R	
379	MI	7.685	0	R	
380	MJ	7.704	0	R	
381	MK	7.726	0	R	start travertine complex
382	ML	7.748	0	R	
383	MM	7.770	1	R	
384	MN	7.791	0	R	
385	MO	7.811	0	R	
386	MP	7.833	0	R	
387	MQ	7.854	0	R	end travertine complex
388	MR	7.872	1	R	
389	MS	7.893	0	R	
390	MT	7.913	0	R	
391	MU	7.935	0	R	
392	MV	7.954	0	R	
393	MW	7.976	1	R	
394	MX	7.996	0	R	
395	MY	8.015	0	R	
396	MZ	8.032	0	R	
397	NA	8.050	0	R	Dripping Spring (L)
398	NB	8.071	1	R	start of trav dam/reef complex
399	NC	8.091	0	R	

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TRNUM	ID	KM	M	FLAG	COMMENTS
400	ND	8.110	0	R	
401	NE	8.131	0	R	
402	NF	8.151	0	R	
403	NG	8.171	1	R	spring (L)
404	NH	8.190	0	R	
405	NI	8.207	0	R	
406	NJ	8.224	0	R	end of travertine complex
407	NK	8.239	0	R	
408	LDK	8.250	1	R	Redbud Canyon (R)
409	LDJ	8.272	0	R	
410	LDI	8.291	0	R	house-size rocks (L)
411	LDH	8.308	0	R	
412	LDG	8.330	0	R	
413	LDF	8.351	1	R	
414	LDE	8.373	0	R	
415	LDD	8.392	0	R	
416	LDC	8.414	0	R	large rocks in channel
417	LDB	8.437	0	R	start of trav/bldr cmplx (L)
418	LDA	8.455	1	R	spring at LDB (R)
419	LCZ	8.474	0	R	
420	LCY	8.496	0	R	
421	LCX	8.517	0	R	end of travertine complex
422	LCW	8.545	0	R	
423	LCV	8.573	1	R	
424	LCU	8.594	0	R	
425	LCT	8.614	0	R	
426	LCS	8.637	0	R	
427	LCR	8.659	0	R	
428	LCQ	8.676	1	R	start of boulder complex
429	LCP	8.695	0	R	
430	LCO	8.715	0	R	
431	LCN	8.730	0	R	
432	LCM	8.749	0	R	
433	LCL	8.766	1	R	
434	LCK	8.785	0	R	end of boulder complex
435	LCJ	8.805	0	R	
436	LCI	8.828	0	R	
437	LCH	8.848	0	R	
438	LCG	8.869	1	R	
439	LCF	8.891	0	R	
440	LCE	8.910	0	R	
441	LCD	8.931	0	R	
442	LCC	8.955	0	R	
443	LCB	8.979	1	R	
444	LCA	9.000	0	R	
445	LBZ	9.017	0	R	upstream of large mesquite (R)
446	LBY	9.038	0	R	
447	LBX	9.068	0	R	
448	LBW	9.095	1	R	start of trav dam/reef cmplx
449	LBV	9.122	0	R	

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TRNUM	ID	KM	M	FLAG	COMMENTS
450	LBU	9.146	0	R	end of travertine complex
451	LBT	9.169	0	R	
452	LBS	9.192	0	R	
453	LBR	9.213	1	R	
454	LBQ	9.232	0	R	
455	LBP	9.255	0	R	
456	LBO	9.274	0	R	
457	LBN	9.293	0	R	Chuck's Canyon (L)
458	LBM	9.316	1	R	
459	LBL	9.335	0	R	start of trav dam/reef cmplx
460	LBK	9.363	0	R	
461	LBJ	9.386	0	R	end of trav dam/reef cmplx
462	LBI	9.411	0	R	"The Crossing"
463	LBH	9.432	1	R	
464	LBG	9.456	0	R	
465	LBF	9.477	0	R	
466	LBE	9.496	0	R	
467	LBD	9.520	0	R	The Notch; Beaver Rock (R)
468	LBC	9.546	1	R	
469	LBB	9.561	0	R	
470	LBA	9.583	0	R	
471	LAZ	9.602	0	R	Birdnest Rock
472	LAY	9.622	0	R	
473	LAX	9.641	1	R	
474	LAW	9.661	0	R	
475	LAV	9.680	0	R	
476	LAU	9.698	0	R	
477	LAT	9.715	0	R	large rock (R)
478	LAS	9.739	1	R	
479	LAR	9.757	0	R	
480	LAQ	9.776	0	R	
481	LAP	9.793	0	R	
482	LAO	9.813	0	R	
483	LAN	9.839	1	R	below sprg and lg rock (R)
484	LAM	9.863	0	R	House Rock (L)
485	LAL	9.885	0	R	trav dam; start of trav cmplx
486	LAK	9.913	0	R	large rocks (R)
487	LAJ	9.941	0	R	
488	LAI	9.963	1	R	
489	LAH	9.991	0	R	
490	LAG	10.022	0	R	
491	LAF	10.048	0	R	large rock (L); end trav cmplx
492	LAE	10.071	0	R	
493	LAD	10.097	1	R	
494	LAC	10.121	0	R	
495	LAB	10.143	0	R	
496	LAA	10.165	0	R	start of trav/bldr complex
497	LZ	10.182	0	R	
498	LY	10.208	0	R	
499	LX	10.234	1	R	

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TRNUM	ID	KM	M	FLAG	COMMENTS
500	LW	10.253	0	R	
501	LV	10.277	0	R	
502	LU	10.299	0	R	end of travertine complex
503	LT	10.318	0	R	
504	LS	10.342	1	R	
505	LR	10.364	0	R	
506	LQ	10.385	0	R	start of trav/bldr complex
507	LP	10.411	0	R	
508	LO	10.433	0	R	
509	LN	10.450	1	R	
510	LM	10.481	0	R	end of travertine complex
511	LL	10.504	0	R	
512	LK	10.530	0	R	strt trav fall/reef/bldr cmplx
513	LJ	10.552	0	R	
514	LI	10.575	1	R	
515	LH	10.597	0	R	
516	LG	10.614	0	R	
517	LF	10.640	0	R	
518	LE	10.662	0	R	end of travertine complex
519	LD	10.687	1	R	Salt Trail Canyon (L);sprgs(L)
520	LC	10.709	0	B	large rocks (R)
521	LB	10.733	0	B	large rocks (R)
522	LA	10.750	0	B	
523	SC-1	10.767	0	L	Salt Camp (R)
524	SC-2	10.787	0	L	Salt Camp (R)
525	SC-3	10.806	0	L	"Sleeping Island"; lg rocks(R)
526	SC-4	10.825	0	L	large rocks (R)
527	SC-5	10.847	0	L	large rocks (R)
528	UA	10.887	1	L	
529	UB	10.899	0	L	
530	UC	10.827	0	L	
531	UD	10.950	0	L	1st trav dam upstr of Salt Cmp
532	UE	10.981	0	L	
533	UF	11.009	1	L	end of travertine complex
534	UG	11.037	0	L	
535	UH	11.065	0	L	
536	UI	11.091	0	L	
537	UJ	11.122	0	L	
538	UK	11.150	1	L	
539	UL	11.176	0	L	Showboat Rock(L);below trav dm
540	UM	11.204	0	L	travertine dam; springs (L)
541	UN	11.235	0	L	strt trav/bldr cmplx; sprg (L)
542	UO	11.263	0	L	
543	UP	11.296	1	L	
544	UQ	11.322	0	L	
545	UR	11.352	0	L	
546	US	11.383	0	L	
547	UT	11.415	0	L	
548	UU	11.448	1	L	
549	UV	11.478	0	L	Big Canyon (L); springs (L)

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TRNUM	ID	KM	M	FLAG	COMMENTS
550	UW	11.504	0	L	end trav cmplx; Big Canyon (L)
551	UX	11.524	0	L	
552	UY	11.549	0	L	
553	UZ	11.571	1	L	start of travertine complex
554	UAA	11.588	0	L	
555	UAB	11.611	0	L	
556	UAC	11.633	0	L	end travertine complex
557	UAD	11.657	0	L	travertine dam ("Hell Hole")
558	UAE	11.677	1	L	start trav/bldr cmplx
559	UAF	11.699	0	L	
560	UAG	11.721	0	L	end travertine complex
561	UAH	11.746	0	L	
562	UAI	11.765	0	L	
563	UAJ	11.785	1	L	
564	UAK	11.805	0	L	
565	UAL	11.827	0	L	Boiling Spring (L)
566	UAM	11.850	0	L	
567	UAN	11.872	0	L	
568	UAO	11.894	1	L	
569	UAP	11.916	0	L	below Pyramid Rock (mid chan)
570	UAQ	11.938	0	L	start of trav/bldr cmplx
571	UAR	11.960	0	L	large rocks (L)
572	UAS	11.982	0	L	
573	UAT	12.000	0	L	
574	UAU	12.020	1	L	end of trav/bldr cmplx
575	UAV	12.039	0	L	
576	UAW	12.061	0	L	
577	UAX	12.089	0	L	
578	UAY	12.109	0	L	
579	UAZ	12.135	1	L	start of cataract ("Mecca")
580	UBA	12.157	0	L	
581	UBB	12.180	0	L	
582	UBC	12.202	0	L	upper end of cataract("Mecca")
583	UBD	12.222	0	L	start of travertine reef/falls
584	UBE	12.243	1	L	
585	UBF	12.263	0	L	
586	UBG	12.283	0	L	
587	UBH	12.304	0	L	
588	UBI	12.328	0	L	end of travertine complex
589	UBJ	12.354	1	L	strt Catfish Is (mid-chan)
590	UBK	12.380	0	L	upstr end Catfish Island
591	UBL	12.402	0	L	travertine falls complex
592	UBM	12.428	0	L	above travertine falls
593	UBN	12.450	0	L	
594	UBO	12.472	1	L	
595	UBP	12.496	0	L	
596	UBQ	12.517	0	L	
597	UBR	12.539	0	L	above large rock (R)
598	UBS	12.563	0	L	
599	UBT	12.584	1	L	

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TRNUM	ID	KM	M	FLAG	COMMENTS
600	UBU	12.610	0	L	
601	UBV	12.632	0	L	
602	UBW	12.654	0	L	
603	UBX	12.671	0	L	start of trav reef/dam complex
604	UBY	12.688	1	L	
605	UBZ	12.708	0	L	
606	UCA	12.729	0	L	end of travertine complex
607	UCB	12.751	0	L	large rocks (mid channel)
608	UCC	12.773	0	L	large rock (mid channel)
609	UCD	12.794	1	L	
610	UCE	12.816	0	L	strt Triple Drop trav dam cmpl
611	UCF	12.838	0	L	
612	UCG	12.853	0	L	
613	UCH	12.874	0	L	
614	UCI	12.896	1	L	
615	UCJ	12.920	0	L	end Triple Drop trav complex
616	UCK	12.939	0	L	
617	UCL	12.961	0	L	
618	UCM	12.976	0	L	
619	UCN	12.994	1	L	
620	UCO	13.015	0	L	
621	UCP	13.035	0	L	
622	UCQ	13.057	0	L	
623	UCR	13.079	0	L	
624	UCS	13.101	1	L	
625	UCT	13.126	0	L	
626	UCU	13.148	0	L	start trav reef complex
627	UCV	13.170	0	L	
628	UCW	13.189	0	L	end travertine reef complex
629	UCX	13.214	1	L	
630	UCY	13.238	0	L	start trav reef complex
631	UCZ	13.262	0	L	
632	UDA	13.284	0	L	"The Crossing"
633	UDB	13.306	0	L	
634	UDC	13.317	1	B	
635	UDD	13.344	0	B	end travertine complex
636	UDE	13.370	0	R	
637	UDF	13.396	0	R	
638	UDG	13.416	0	R	
639	UDH	13.438	1	R	
640	UDI	13.463	0	R	
641	UDJ	13.487	0	R	
642	UDK	13.511	0	R	
643	UDL	13.530	0	R	
644	UDM	13.553	1	R	
645	UDN	13.575	0	R	
646	UDO	13.592	0	R	start trav dam/reef complex
647	UDP	13.611	0	R	
648	UDQ	13.632	0	R	
649	UDR	13.656	1	R	

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TRNUM	ID	KM	M	FLAG	COMMENTS
650	UDS	13.675	0	R	
651	UDT	13.694	0	R	end of travertine complex
652	UDU	13.716	0	R	
653	UDV	13.731	0	R	
654	UDW	13.750	1	R	
655	UDX	13.769	0	R	
656	UDY	13.791	0	R	
657	UDZ	13.810	0	R	
658	UEA	13.833	0	R	
659	UEB	13.857	1	R	
660	UEC	13.878	0	R	
661	UED	13.897	0	R	
662	UEE	13.915	0	R	
663	UEF	13.932	0	R	
664	UEG	13.955	1	R	
665	UEH	13.976	0	R	
666	UEI	14.000	0	R	travertine dam/reef complex
667	UEJ	14.021	0	R	
668	UEK	14.045	0	R	travertine dam/reef complex
669	UEL	14.062	1	R	
670	UEM	14.084	0	R	
671	UEN	14.107	0	R	
672	UEO	14.129	0	R	
673	UEP	14.150	0	R	
674	UEQ	14.178	1	R	
675	UER	14.202	0	R	
676	UES	14.221	0	R	below L Atomizer Falls cmplx
677	UET	14.242	0	R	Lower Atomizer Falls trav dam
678	UEU	14.264	0	R	travertine reef complex
679	UEV	14.288	1	R	
680	UEW	14.313	0	R	
681	UEX	14.335	0	R	
682	UEY	14.361	0	R	
683	UEZ	14.382	0	R	
684	UFA	14.403	1	R	
685	UFB	14.425	0	R	
686	UFC	14.446	0	R	travertine dam/reef complex
687	UFD	14.468	0	R	travertine dam/reef complex
688	UFE	14.485	0	R	
689	UFF	14.509	1	R	
690	UFG	14.530	0	R	
691	UFH	14.547	0	R	
692	UFI	14.571	0	R	
693	UFJ	14.592	0	R	Upper Atomizer Falls trav dam
694	UFK	14.618	1	R	travertine dam/reef complex
695	UFL	14.642	0	R	travertine dam/reef complex
696	UFM	14.665	0	R	
697	UFN	14.689	0	R	
698	UFO	14.710	0	R	
699	UFP	14.730	1	R	

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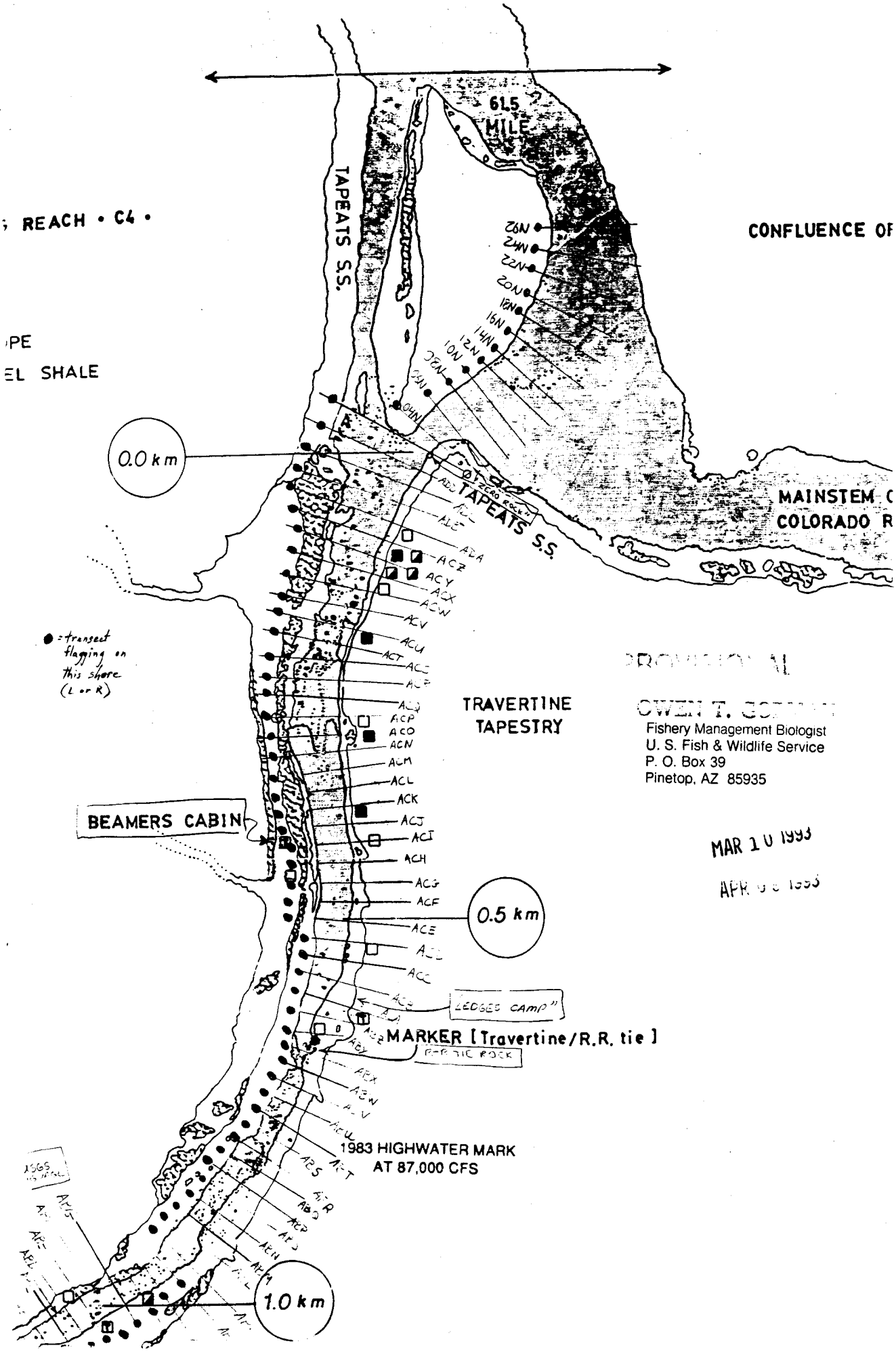
TRNUM	ID	KM	M	FLAG	COMMENTS
700	UFQ	14.749	0	R	strt Chute Falls trav dam cmpl
701	UFR	14.770	0	R	
702	UFS	14.792	0	R	
703	UFT	14.813	0	R	
704	UFU	14.830	1	R	Chute Falls
705	UFV	14.848	0	R	
706	UFW	14.869	0	R	
707	UFX	14.886	0	R	
708	UFY	14.906	0	R	
709	UFZ	14.927	1	R	end Chute Falls trav reef cmpl



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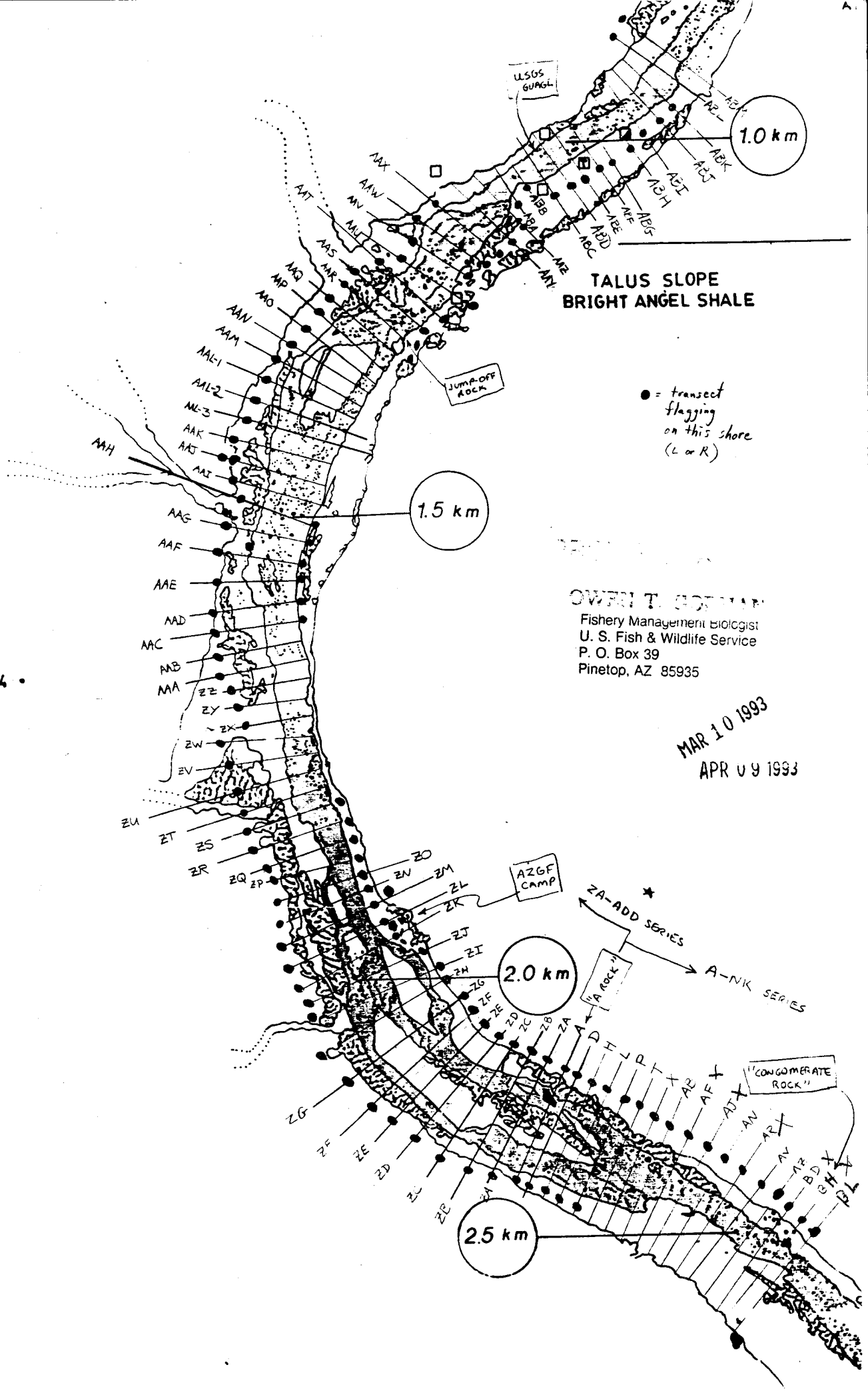

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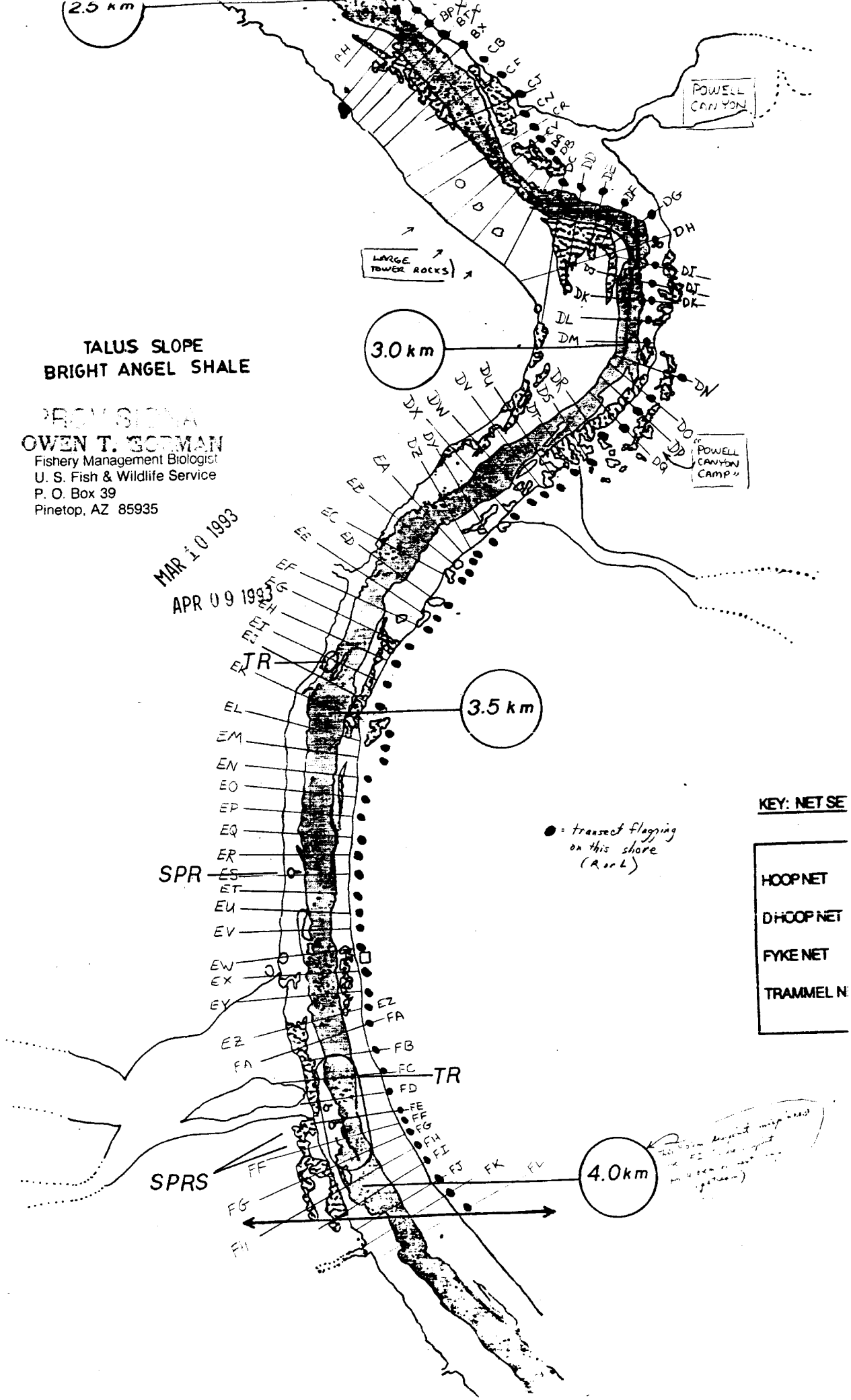

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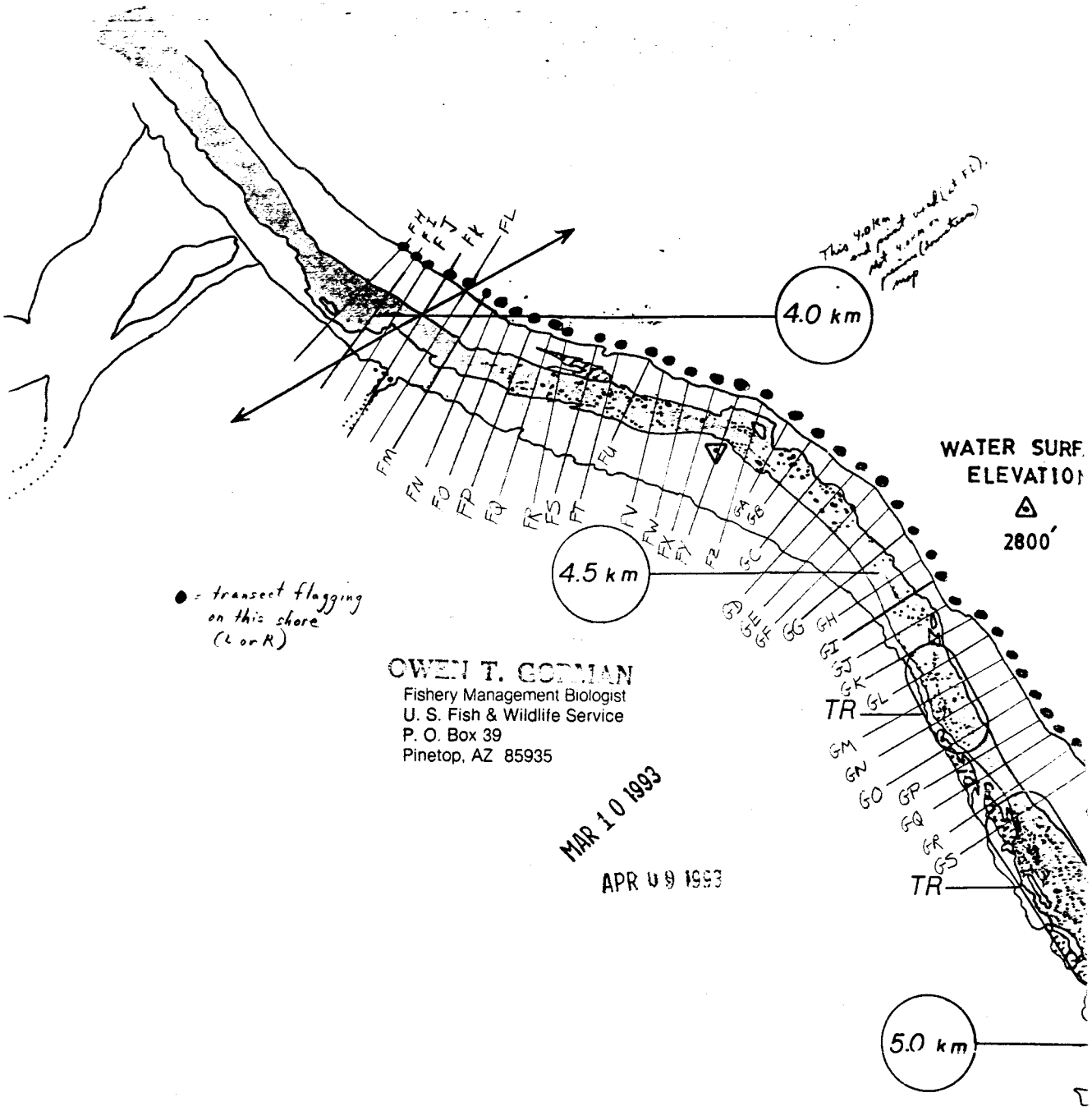

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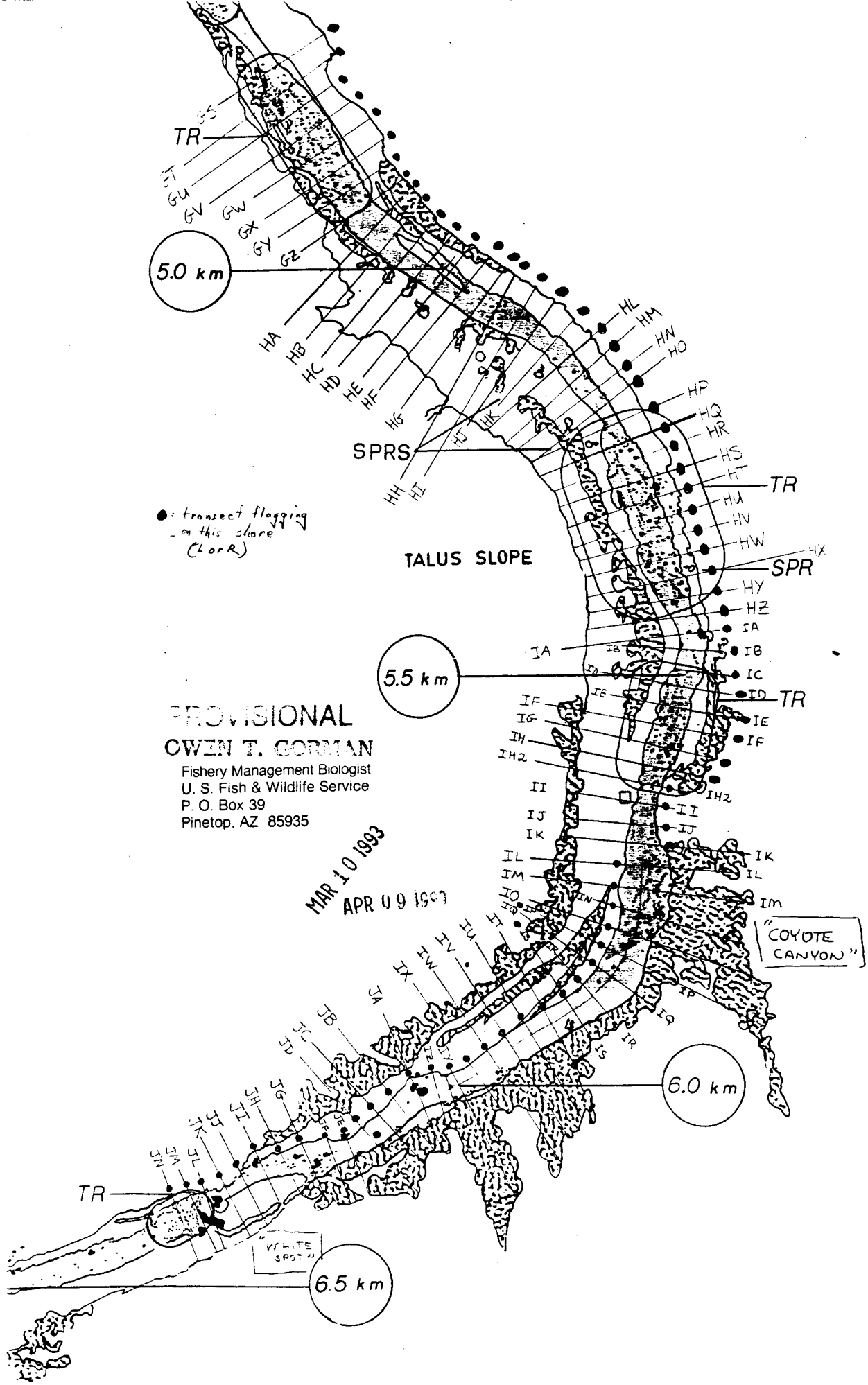

●: transect flagging on this shore (L or R)

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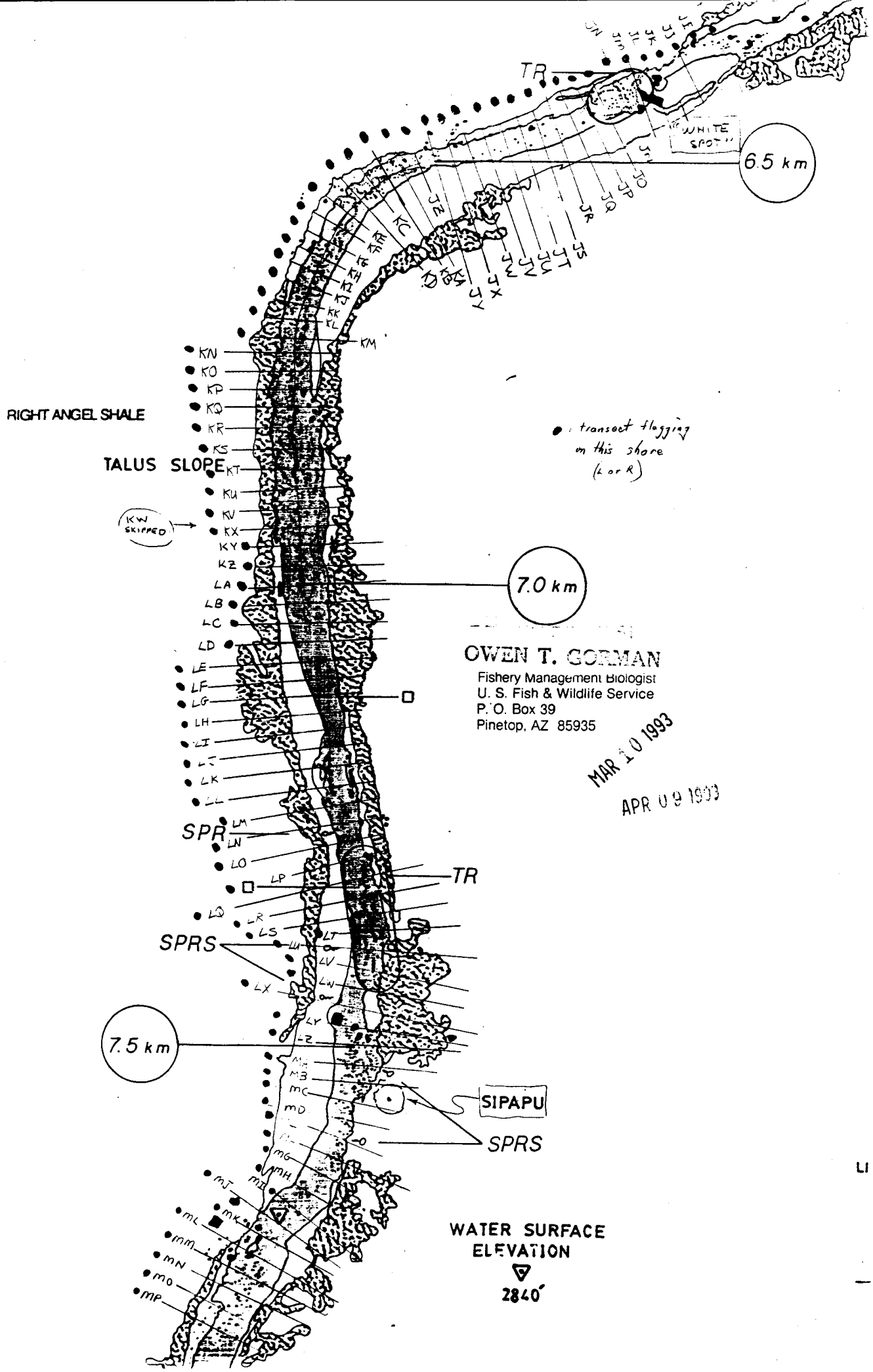

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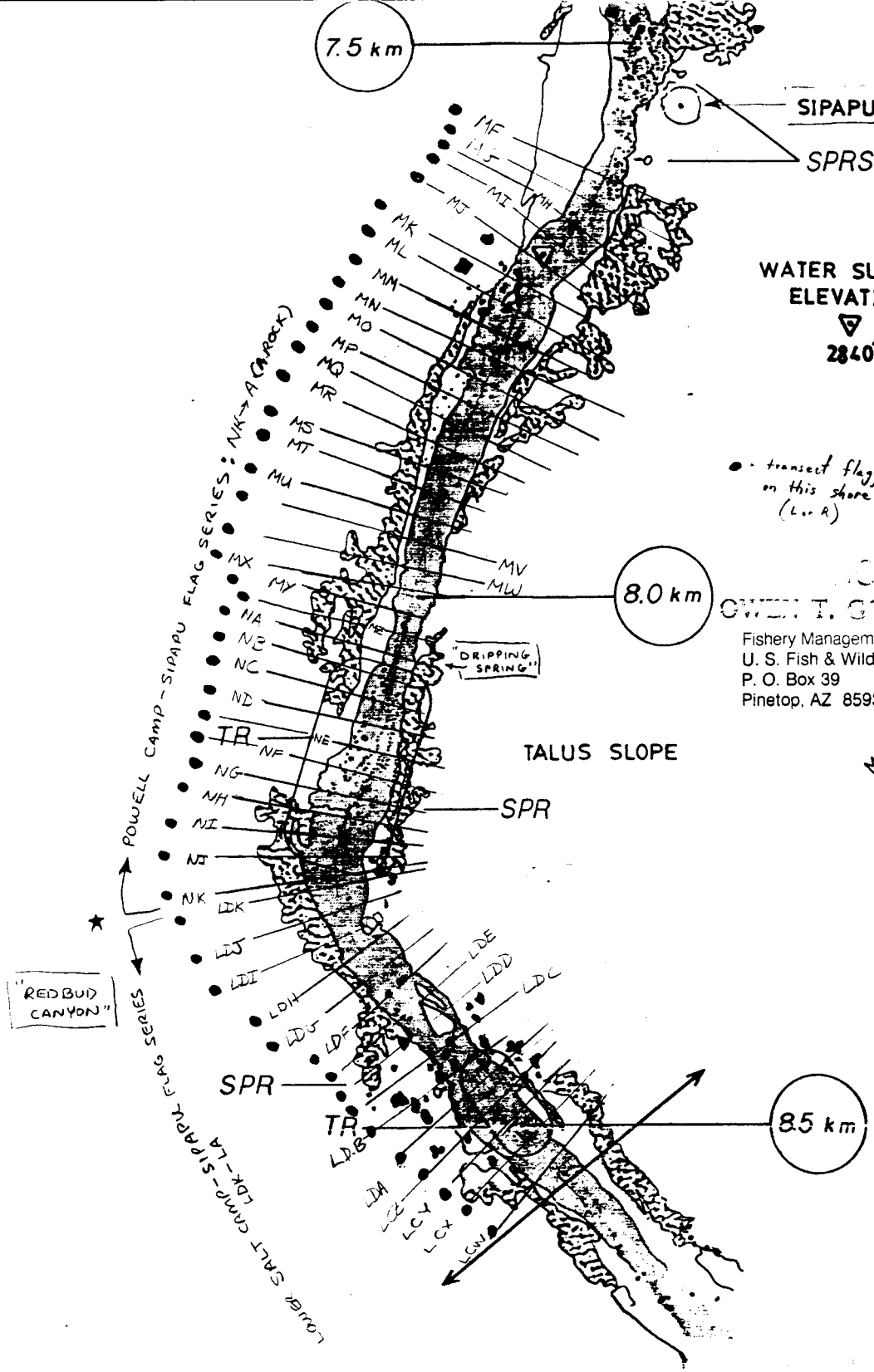

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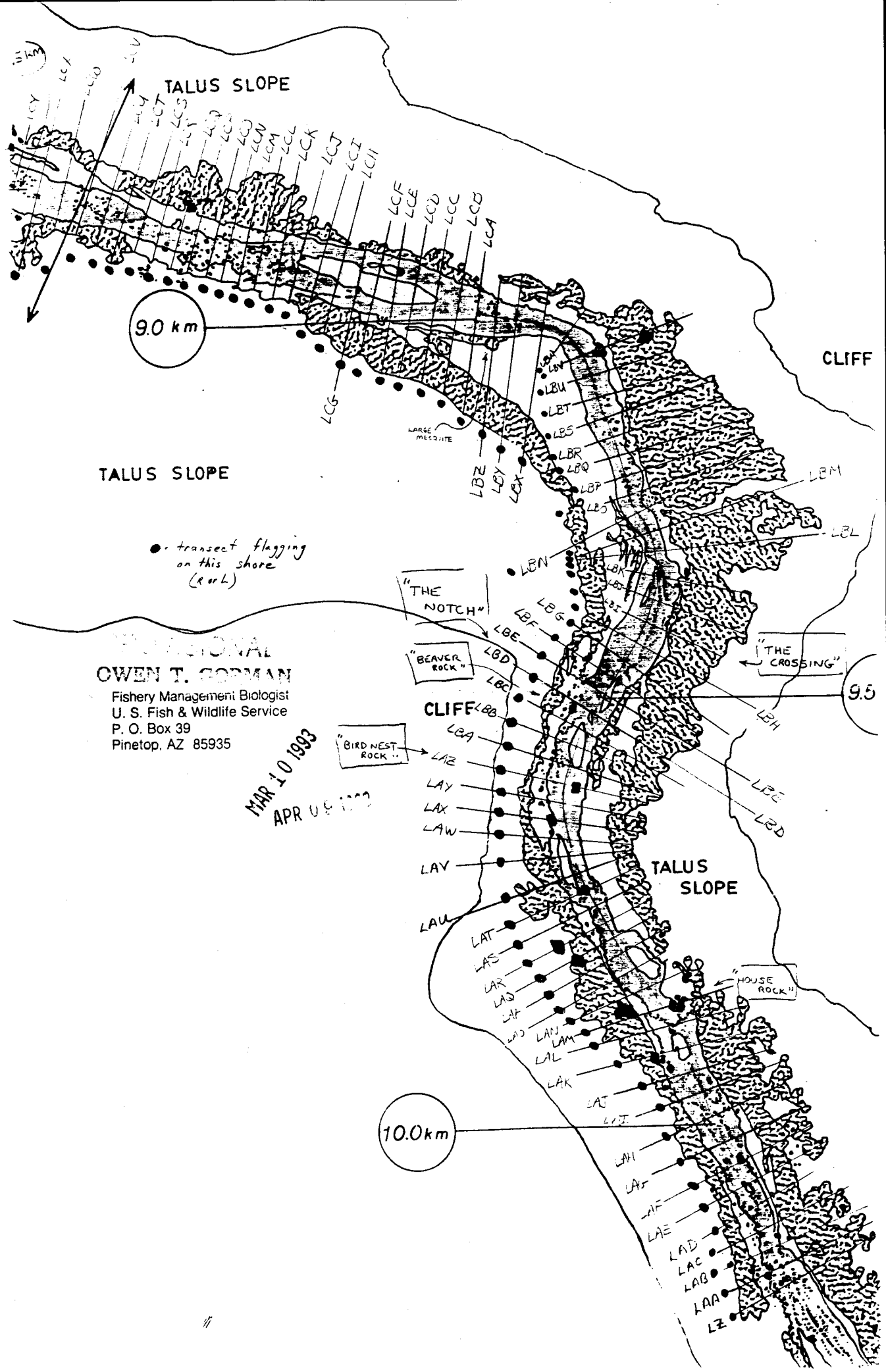

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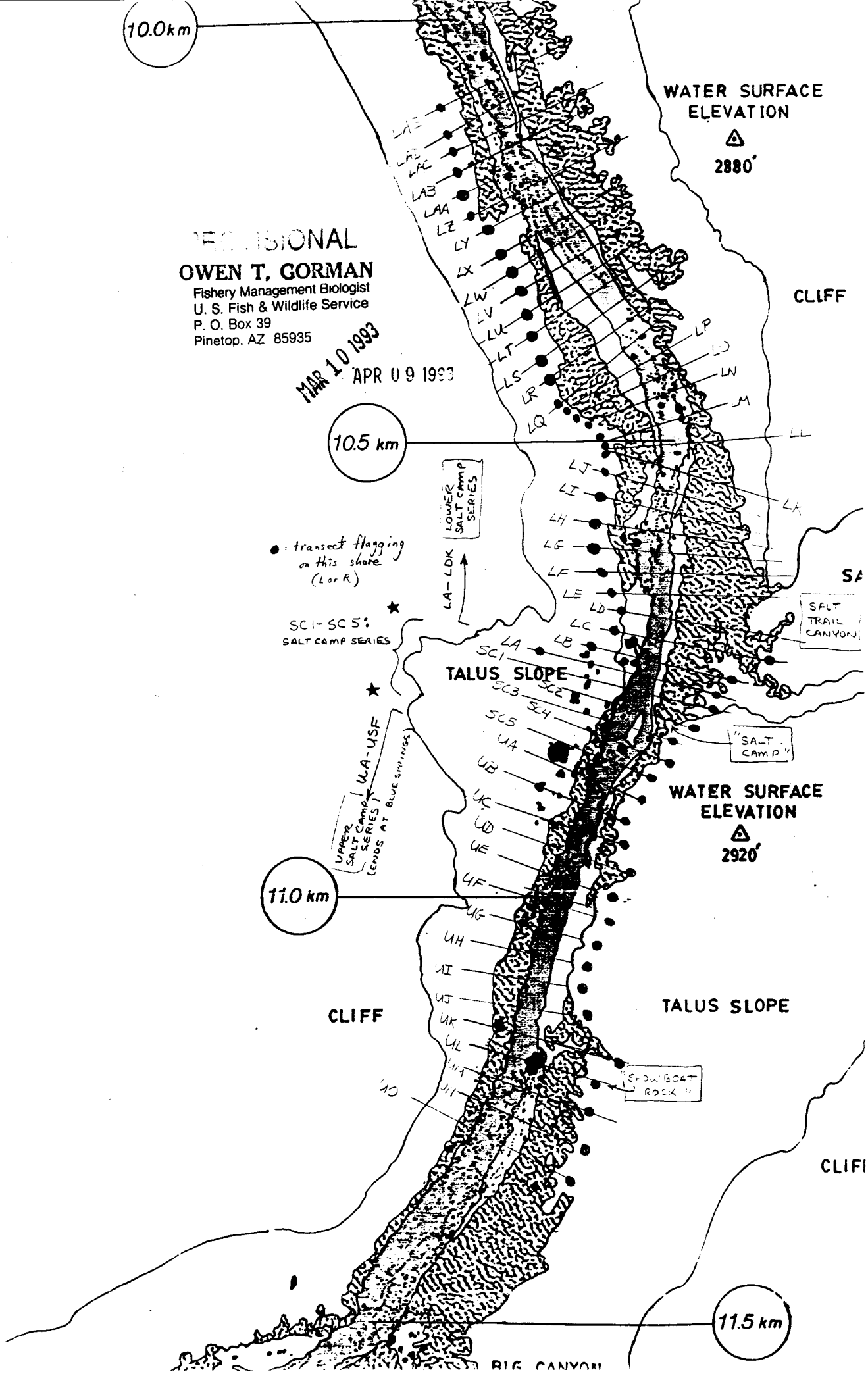

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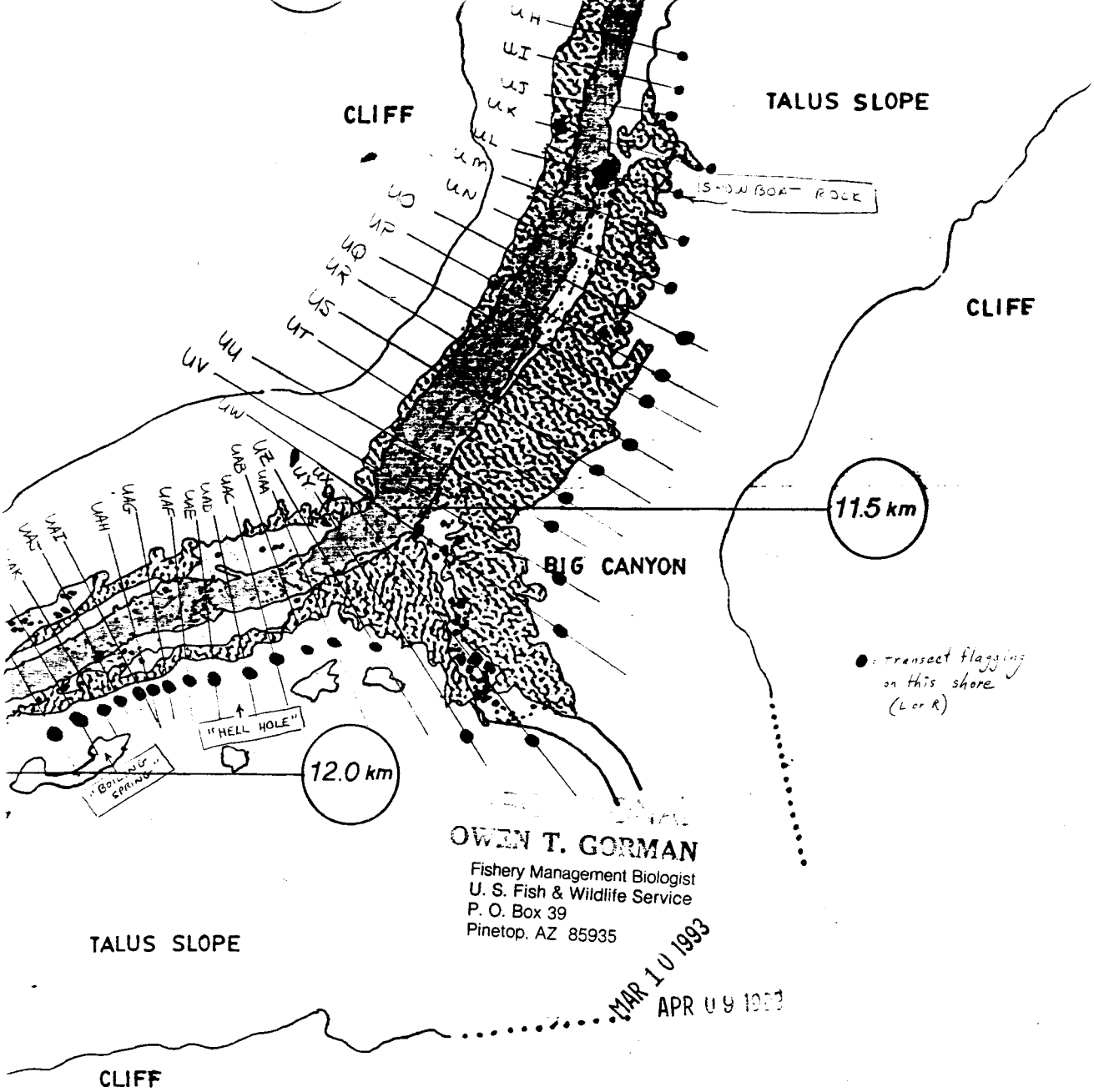

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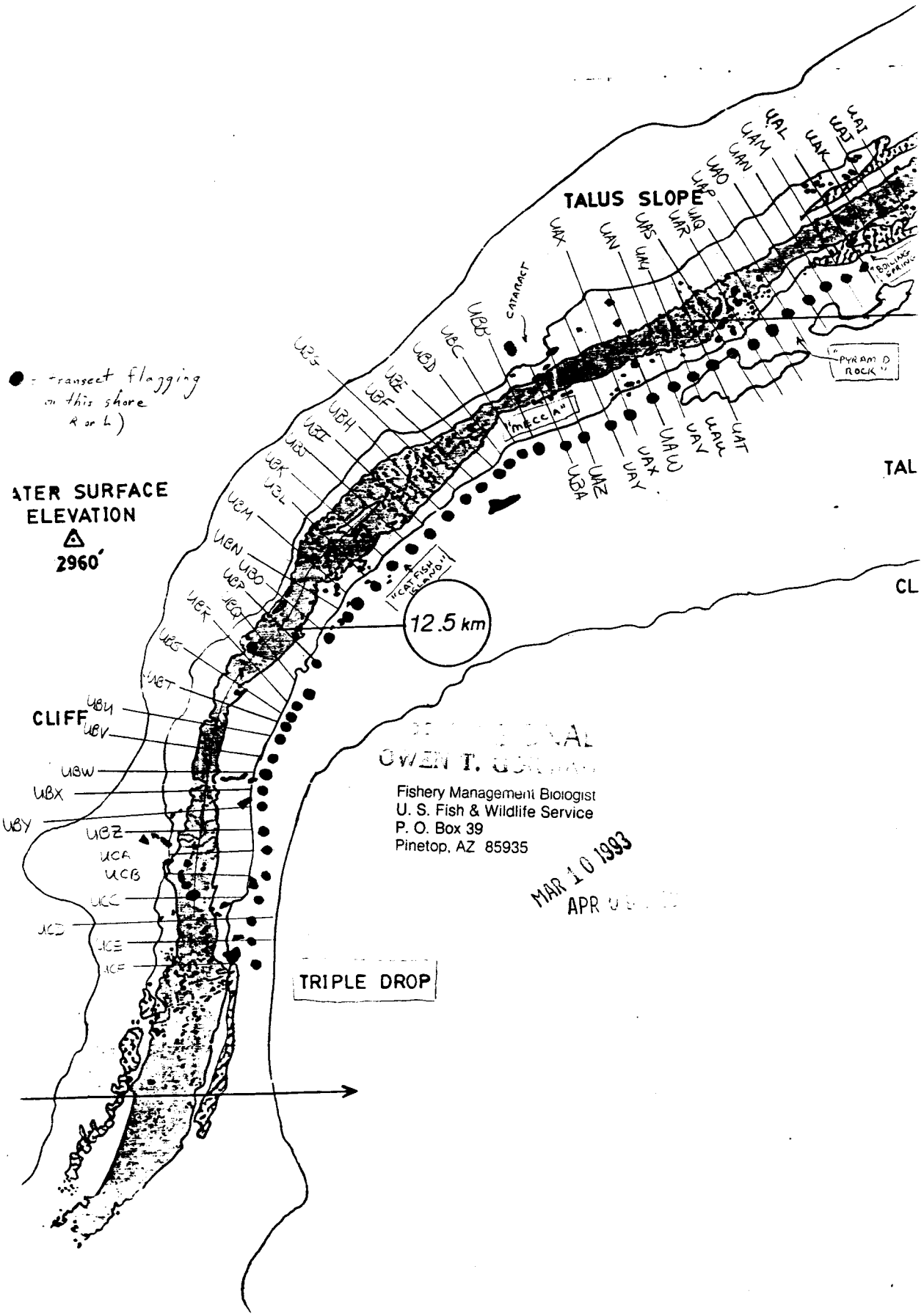

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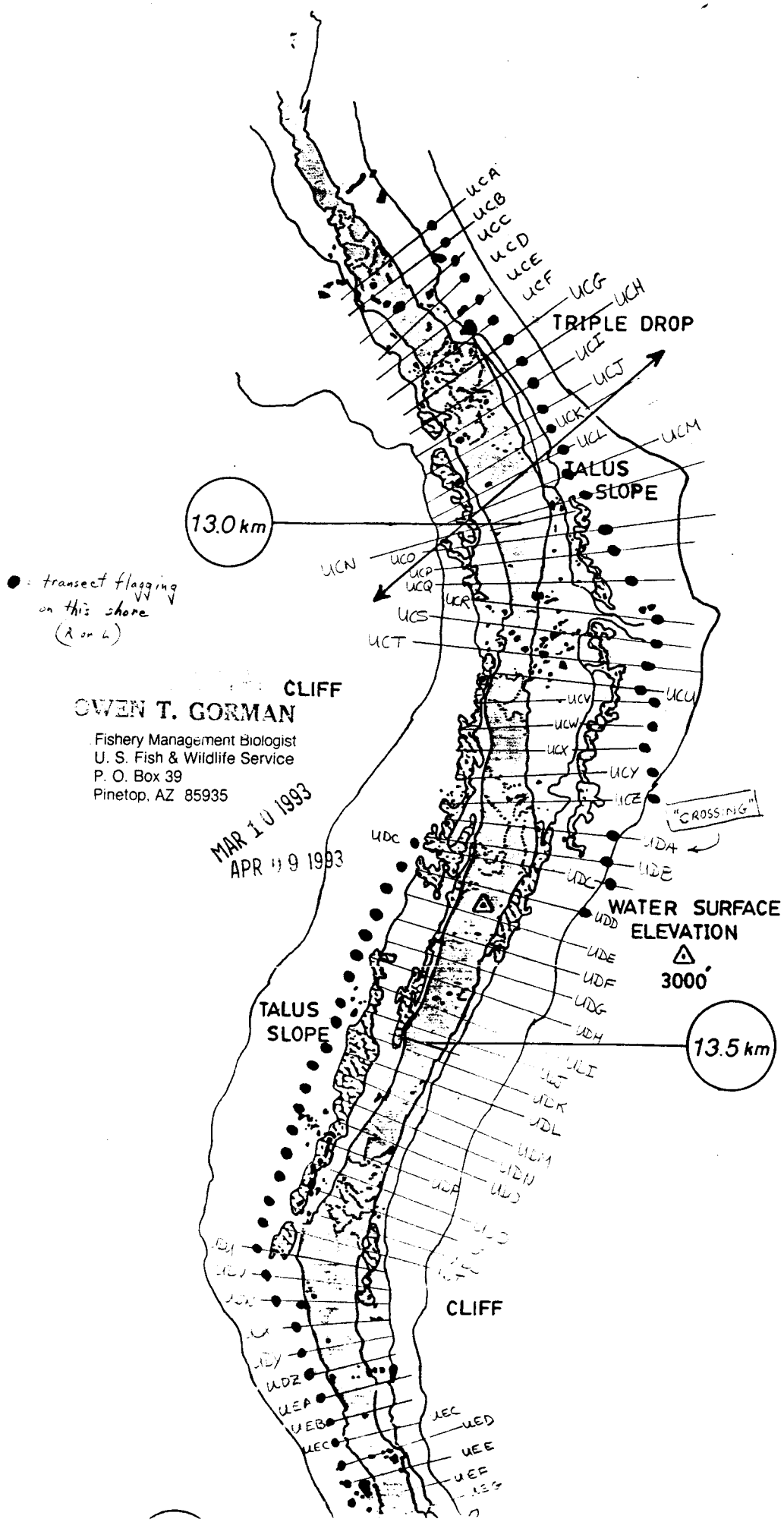
UCA
UCB
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TRIPLE DROP
UCI
UCJ
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TALUS SLOPE
13.0 km
UCN
UCO
UCP
UCQ
UCR
UCS
UCT
CLIFF
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UEA
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UEC
UED
UEE
UEF
UEG
WATER SURFACE ELEVATION
3000'
TALUS SLOPE
13.5 km
CLIFF
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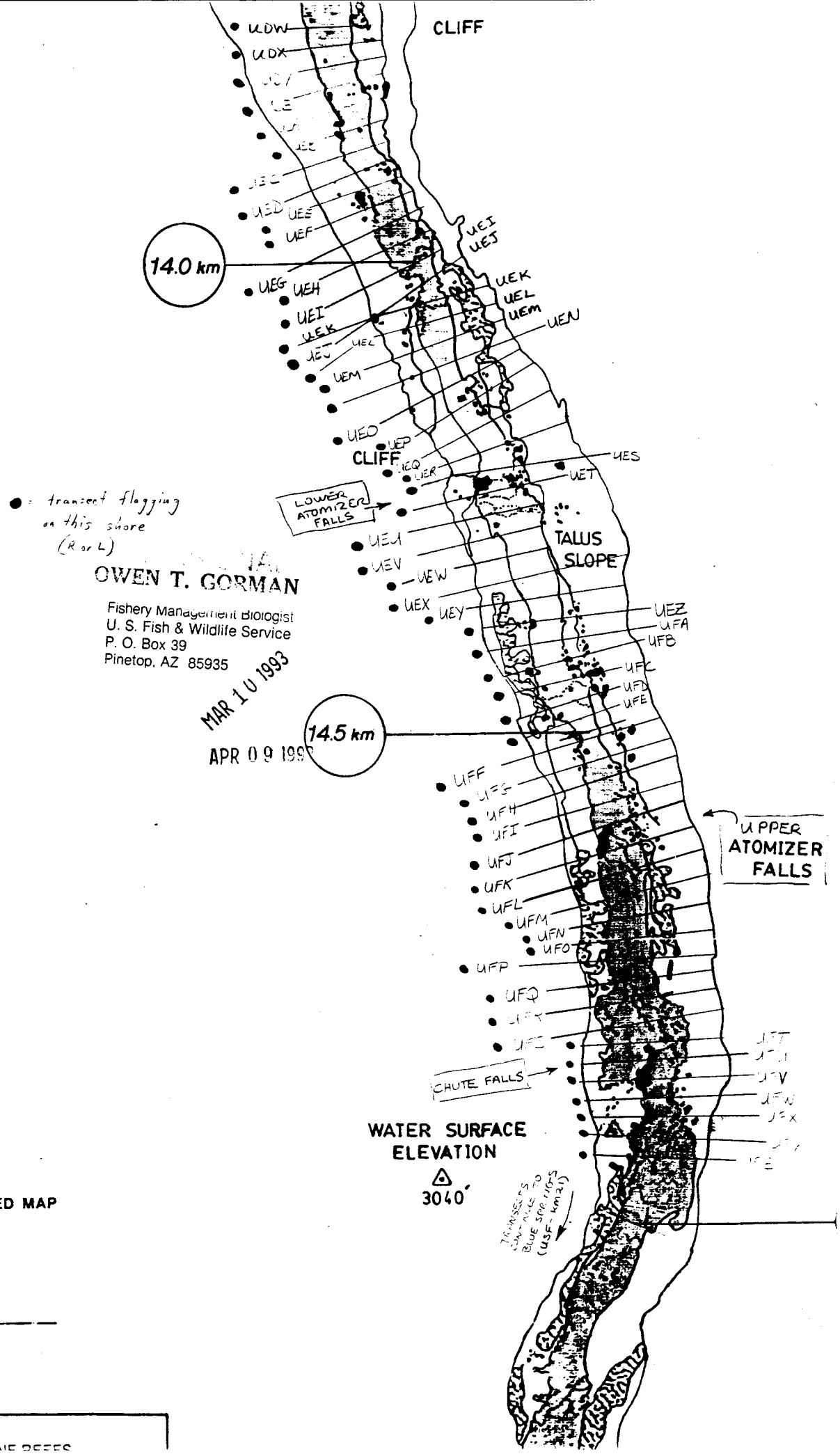

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TERPETED MAP

TRAVERTINE REEFS