



23 October 2023

DIR. FELIX S. MIRASOL, JR. CESO IV
OIC, REGIONAL EXECUTIVE DIRECTOR
3rd flr., 1515 DENR by the Bay Bldg.,
Roxas Boulevard, Brgy. 668, Ermita, Manila
mimaroparegion@denr.gov.ph

Attention: **Ms. Maria Melissa L. Endangan**
Chief
Conservation and Development Division

Subject: **Request for Clearance and/or Consent to Conduct Dredging within the Area of F.B. Harisson Game Refuge Bird Sanctuary and Protected Landscape for the Proposed Patrick-Viga (Manamlay) River Dredging Project located in the Municipality of Sablayan, Occidental Mindoro**

Dear RED Mirasol,

In line with our on-going Environmental Compliance Certificate application for the Proposed Patrick-Viga (Manamlay) River Dredging Project located in the Municipality of Sablayan, Occidental Mindoro, we would like to request your good office for a clearance and/or consent allowing us to conduct the above-mentioned dredging project on the river area that falls within F.B Harrison Game Refuge Bird Sanctuary and Protected Landscape with current legal status as initial component. The said river area is based on the approved Detailed Dredging Master Plan issued by the Department of Public Work and Highways (DPWH) in line with DENR Administrative Order No. 12 series of 2020, "Rationalizing Dredging Activities in Heavily-Silted River Channel within the Province of Occidental Mindoro Pursuant to DENR-DPWH-DILG-DOTC Joint Memorandum Circular No. 1, series of 2019."

We had've attached the geographical coordinates and map showing the river areas covered by F.B Harrison Game Refuge Bird Sanctuary and Protected Landscape for your reference.

We hope this merits your timely and favorable action on our request.

Thank you.

Respectfully,

Emiliano L. Gutierrez, Jr.
General Manager
PERRC Construction and Development Corporation

**PROJECT AREA BOUNDARIES AS DEFINED IN ACCORDANCE WITH THE DREDGING MASTER
PLAN AND THE DETAILED ENGINEERING STUDY**

CORNER	North Latitude	East Longitude
RIVER		
1	12°53'54.837"	120°46'53.019"
2	12°53'56.036"	120°46'54.188"
3	12°53'57.000"	120°46'55.082"
4	12°53'58.492"	120°46'55.741"
5	12°54'00.099"	120°46'55.999"
6	12°54'01.680"	120°46'56.422"
7	12°54'03.287"	120°46'56.680"
8	12°54'05.008"	120°46'56.976"
9	12°54'06.725"	120°46'57.377"
10	12°54'07.958"	120°46'58.509"
11	12°54'09.273"	120°46'59.497"
12	12°54'10.672"	120°47'00.344"
13	12°54'12.071"	120°47'01.190"
14	12°54'13.802"	120°47'01.466"
15	12°54'15.532"	120°47'01.742"
16	12°54'17.014"	120°47'02.445"
17	12°54'18.311"	120°47'03.231"
18	12°54'18.854"	120°47'03.751"
19	12°54'20.478"	120°47'03.654"
20	12°54'22.101"	120°47'03.557"
21	12°54'23.725"	120°47'03.460"
22	12°54'25.583"	120°47'03.374"
23	12°54'27.258"	120°47'03.501"
24	12°54'28.876"	120°47'03.670"
25	12°54'30.494"	120°47'03.839"

CORNER	North Latitude	East Longitude
26	12°54'32.112"	120°47'04.007"
27	12°54'33.720"	120°47'04.275"
28	12°54'36.292"	120°47'04.932"
29	12°54'37.501"	120°47'06.066"
30	12°54'38.666"	120°47'07.223"
31	12°54'39.853"	120°47'08.356"
32	12°54'41.041"	120°47'09.489"
33	12°54'42.251"	120°47'10.598"
34	12°54'43.665"	120°47'12.093"
35	12°54'44.600"	120°47'13.609"
36	12°54'45.365"	120°47'15.073"
37	12°54'46.273"	120°47'16.458"
38	12°54'46.147"	120°47'18.405"
39	12°54'46.338"	120°47'20.180"
40	12°54'46.976"	120°47'21.717"
41	12°54'48.376"	120°47'22.538"
42	12°54'50.031"	120°47'22.463"
43	12°54'51.677"	120°47'22.527"
44	12°54'53.304"	120°47'22.688"
45	12°54'55.027"	120°47'22.971"
46	12°54'56.724"	120°47'23.559"
47	12°54'58.266"	120°47'24.731"
48	12°54'59.206"	120°47'26.120"
49	12°55'00.086"	120°47'27.515"
50	12°55'00.966"	120°47'28.909"
51	12°55'01.691"	120°47'30.341"
52	12°55'02.224"	120°47'31.359"
53	12°55'03.857"	120°47'31.423"
54	12°55'05.491"	120°47'31.487"
55	12°55'07.134"	120°47'31.717"

CORNER	North Latitude	East Longitude
56	12°55'08.685"	120°47'31.679"
57	12°55'10.189"	120°47'32.312"
58	12°55'11.692"	120°47'32.945"
59	12°55'13.231"	120°47'33.486"
60	12°55'14.723"	120°47'34.106"
61	12°55'16.105"	120°47'34.921"
62	12°55'17.398"	120°47'35.928"
63	12°55'18.71"	120°47'36.908"
64	12°55'20.141"	120°47'37.730"
65	12°55'21.437"	120°47'38.768"
66	12°55'23.124"	120°47'39.722"
67	12°55'24.295"	120°47'40.963"
68	12°55'24.692"	120°47'42.627"
69	12°55'25.806"	120°47'43.900"
70	12°55'26.604"	120°47'45.345"
71	12°55'27.403"	120°47'46.79"
72	12°55'28.202"	120°47'48.235"
73	12°55'28.943"	120°47'49.711"
74	12°55'29.658"	120°47'51.016"
75	12°55'30.334"	120°47'52.004"
76	12°55'31.644"	120°47'52.988"
77	12°55'32.953"	120°47'53.971"
78	12°55'34.263"	120°47'54.955"
79	12°55'35.572"	120°47'55.938"
80	12°55'36.882"	120°47'56.922"
81	12°55'38.191"	120°47'57.905"
82	12°55'39.733"	120°47'59.288"
83	12°55'40.698"	120°48'00.800"
84	12°55'41.469"	120°48'02.260"
85	12°55'42.241"	120°48'03.720"

CORNER	North Latitude	East Longitude
86	12°55'43.012"	120°48'05.180"
87	12°55'43.784"	120°48'06.639"
88	12°55'44.555"	120°48'08.099"
89	12°55'45.327"	120°48'09.559"
90	12°55'46.131"	120°48'11.019"
91	12°55'46.505"	120°48'13.832"
92	12°55'45.680"	120°48'15.261"
93	12°55'44.855"	120°48'16.691"
94	12°55'43.843"	120°48'18.279"
95	12°55'42.091"	120°48'19.765"
96	12°55'40.563"	120°48'20.332"
97	12°55'39.035"	120°48'20.900"
98	12°55'37.518"	120°48'21.499"
99	12°55'36.012"	120°48'22.130"
100	12°55'34.472"	120°48'22.666"
101	12°55'33.176"	120°48'23.137"
102	12°55'32.766"	120°48'23.349"
103	12°55'32.368"	120°48'24.957"
104	12°55'31.971"	120°48'26.565"
105	12°55'31.636"	120°48'28.188"
106	12°55'31.239"	120°48'29.797"
107	12°55'31.142"	120°48'30.519"
108	12°55'31.814"	120°48'31.556"
109	12°55'32.899"	120°48'32.792"
110	12°55'33.959"	120°48'34.049"
111	12°55'34.754"	120°48'35.550"
112	12°55'35.645"	120°48'36.963"
113	12°55'36.608"	120°48'38.309"
114	12°55'37.127"	120°48'40.006"
115	12°55'37.677"	120°48'41.582"

CORNER	North Latitude	East Longitude
116	12°55'39.118"	120°48'43.115"
117	12°55'39.264"	120°48'44.767"
118	12°55'39.409"	120°48'46.418"
119	12°55'39.554"	120°48'48.070"
120	12°55'39.57"	120°48'49.734"
121	12°55'38.711"	120°48'51.477"
122	12°55'39.200"	120°48'53.264"
123	12°55'39.262"	120°48'55.158"
124	12°55'38.785"	120°48'56.744"
125	12°55'38.309"	120°48'58.329"
126	12°55'37.894"	120°48'59.934"
127	12°55'37.480"	120°49'01.539"
128	12°55'37.128"	120°49'03.164"
129	12°55'36.682"	120°49'04.759"
130	12°55'36.238"	120°49'06.352"
131	12°55'36.082"	120°49'07.477"
132	12°55'35.933"	120°49'09.136"
133	12°55'35.947"	120°49'10.795"
134	12°55'35.961"	120°49'12.453"
135	12°55'35.975"	120°49'14.111"
136	12°55'35.989"	120°49'15.769"
137	12°55'36.002"	120°49'17.427"
138	12°55'36.016"	120°49'19.086"
139	12°55'36.030"	120°49'20.744"
140	12°55'36.044"	120°49'22.402"
141	12°55'35.913"	120°49'24.236"
142	12°55'35.671"	120°49'25.954"
143	12°55'35.397"	120°49'27.588"
144	12°55'35.123"	120°49'29.223"
145	12°55'34.882"	120°49'30.863"

CORNER	North Latitude	East Longitude
146	12°55'34.608"	120°49'32.498"
147	12°55'34.334"	120°49'34.132"
148	12°55'34.028"	120°49'35.761"
149	12°55'33.711"	120°49'37.447"
150	12°55'33.288"	120°49'39.313"
151	12°55'32.746"	120°49'40.878"
152	12°55'32.084"	120°49'42.394"
153	12°55'31.422"	120°49'43.910"
154	12°55'30.790"	120°49'45.438"
155	12°55'30.188"	120°49'46.979"
156	12°55'29.556"	120°49'48.507"
157	12°55'28.954"	120°49'50.048"
158	12°55'28.352"	120°49'51.588"
159	12°55'27.75"	120°49'53.129"
160	12°55'27.148"	120°49'54.669"
161	12°55'26.668"	120°49'56.103"
162	12°55'26.238"	120°49'57.673"
163	12°55'25.816"	120°49'59.274"
164	12°55'25.394"	120°50'00.875"
165	12°55'24.972"	120°50'02.477"
166	12°55'24.110"	120°50'03.958"
167	12°55'23.248"	120°50'05.439"
168	12°55'22.481"	120°50'06.946"
169	12°55'22.058"	120°50'08.547"
170	12°55'21.793"	120°50'10.191"
171	12°55'21.466"	120°50'11.819"
172	12°55'21.106"	120°50'13.437"
173	12°55'21.010"	120°50'14.967"
174	12°55'21.112"	120°50'16.589"
175	12°55'21.223"	120°50'18.246"

CORNER	North Latitude	East Longitude
176	12°55'21.335"	120°50'19.904"
177	12°55'21.381"	120°50'21.562"
178	12°55'21.395"	120°50'23.220"
179	12°55'21.408"	120°50'24.878"
180	12°55'21.422"	120°50'26.536"
181	12°55'21.436"	120°50'28.194"
182	12°55'21.450"	120°50'29.853"
183	12°55'21.398"	120°50'31.511"
184	12°55'21.445"	120°50'33.169"
185	12°55'21.426"	120°50'34.828"
186	12°55'21.439"	120°50'36.486"
187	12°55'21.453"	120°50'38.144"
188	12°55'21.467"	120°50'39.802"
189	12°55'21.572"	120°50'41.345"
190	12°55'21.962"	120°50'42.625"
191	12°55'22.665"	120°50'44.121"
192	12°55'23.367"	120°50'45.616"
193	12°55'24.099"	120°50'47.098"
194	12°55'25.036"	120°50'48.479"
195	12°55'25.944"	120°50'49.874"
196	12°55'26.676"	120°50'51.356"
197	12°55'27.378"	120°50'52.851"
198	12°55'28.110"	120°50'54.333"
199	12°55'28.871"	120°50'55.800"
200	12°55'29.573"	120°50'57.295"
201	12°55'30.276"	120°50'58.791"
202	12°55'30.978"	120°51'00.287"
203	12°55'31.681"	120°51'01.783"
204	12°55'32.324"	120°51'03.307"
205	12°55'33.027"	120°51'04.803"

CORNER	North Latitude	East Longitude
206	12°55'33.729"	120°51'06.298"
207	12°55'34.402"	120°51'07.808"
208	12°55'35.104"	120°51'09.304"
209	12°55'35.807"	120°51'10.800"
210	12°55'36.509"	120°51'12.295"
211	12°55'37.211"	120°51'13.791"
212	12°55'37.914"	120°51'15.287"
213	12°55'38.616"	120°51'16.783"
214	12°55'39.319"	120°51'18.278"
215	12°55'40.021"	120°51'19.774"
216	12°55'40.686"	120°51'21.504"
217	12°55'41.180"	120°51'23.094"
218	12°55'41.666"	120°51'24.676"
219	12°55'42.153"	120°51'26.258"
220	12°55'42.702"	120°51'27.821"
221	12°55'43.188"	120°51'29.403"
222	12°55'43.613"	120°51'31.005"
223	12°55'44.100"	120°51'32.588"
224	12°55'44.555"	120°51'34.180"
225	12°55'45.042"	120°51'35.762"
226	12°55'45.528"	120°51'37.345"
227	12°55'46.046"	120°51'38.917"
228	12°55'46.525"	120°51'40.530"
229	12°55'46.754"	120°51'42.643"
230	12°55'46.682"	120°51'44.300"
231	12°55'46.610"	120°51'45.957"
232	12°55'46.505"	120°51'47.612"
233	12°55'46.433"	120°51'49.269"
234	12°55'46.394"	120°51'50.927"
235	12°55'46.290"	120°51'52.582"

CORNER	North Latitude	East Longitude
236	12°55'46.218"	120°51'54.239"
237	12°55'46.146"	120°51'55.896"
238	12°55'46.041"	120°51'57.551"
239	12°55'45.969"	120°51'59.207"
240	12°55'45.865"	120°52'00.863"
241	12°55'45.760"	120°52'02.518"
242	12°55'45.688"	120°52'04.175"
243	12°55'45.844"	120°52'05.842"
244	12°55'45.545"	120°52'07.488"
245	12°55'45.473"	120°52'09.145"
246	12°55'45.401"	120°52'10.801"
247	12°55'45.329"	120°52'12.458"
248	12°55'45.257"	120°52'14.115"
249	12°55'45.217"	120°52'15.773"
250	12°55'45.113"	120°52'17.428"
251	12°55'45.041"	120°52'19.085"
252	12°55'44.969"	120°52'20.742"
253	12°55'44.694"	120°52'22.670"
254	12°55'44.031"	120°52'24.449"
255	12°55'43.273"	120°52'25.918"
256	12°55'42.281"	120°52'27.274"
257	12°55'41.230"	120°52'28.600"
258	12°55'40.473"	120°52'30.070"
259	12°55'39.862"	120°52'31.610"
260	12°55'39.810"	120°52'33.421"
261	12°55'39.112"	120°52'34.919"
262	12°55'38.413"	120°52'36.416"
263	12°55'37.715"	120°52'37.914"
264	12°55'37.016"	120°52'39.411"
265	12°55'36.318"	120°52'40.909"

CORNER	North Latitude	East Longitude
266	12°55'35.619"	120°52'42.407"
267	12°55'34.920"	120°52'43.904"
268	12°55'34.222"	120°52'45.402"
269	12°55'33.523"	120°52'46.900"
270	12°55'33.001"	120°52'48.276"
271	12°55'32.534"	120°52'49.829"
272	12°55'32.073"	120°52'51.419"
273	12°55'31.612"	120°52'53.009"
274	12°55'31.151"	120°52'54.600"
275	12°55'30.691"	120°52'56.190"
276	12°55'30.230"	120°52'57.781"
277	12°55'29.769"	120°52'59.371"
278	12°55'29.340"	120°53'00.971"
279	12°55'28.879"	120°53'02.561"
280	12°55'28.313"	120°53'04.200"
281	12°55'27.721"	120°53'05.823"
282	12°55'27.089"	120°53'07.352"
283	12°55'26.458"	120°53'08.880"
284	12°55'25.826"	120°53'10.408"
285	12°55'25.195"	120°53'11.936"
286	12°55'24.563"	120°53'13.464"
287	12°55'23.932"	120°53'14.993"
288	12°55'23.30"	120°53'16.521"
289	12°55'22.638"	120°53'18.036"
290	12°55'22.007"	120°53'19.564"
291	12°55'21.196"	120°53'21.015"
292	12°55'19.994"	120°53'22.299"
293	12°55'19.513"	120°53'23.892"
294	12°55'18.731"	120°53'25.553"
295	12°55'17.869"	120°53'26.980"

CORNER	North Latitude	East Longitude
296	12°55'17.006"	120°53'28.396"
297	12°55'16.143"	120°53'29.811"
298	12°55'15.177"	120°53'31.145"
299	12°55'14.236"	120°53'32.500"
300	12°55'13.193"	120°53'33.774"
301	12°55'12.252"	120°53'35.129"
302	12°55'11.260"	120°53'36.443"
303	12°55'10.294"	120°53'37.777"
304	12°55'9.302"	120°53'39.092"
305	12°55'8.310"	120°53'40.406"
306	12°55'06.768"	120°53'41.828"
307	12°55'04.624"	120°53'42.536"
308	12°55'03.011"	120°53'42.750"
309	12°55'01.398"	120°53'42.965"
310	12°54'59.785"	120°53'43.179"
311	12°54'58.172"	120°53'43.393"
312	12°54'56.559"	120°53'43.607"
313	12°54'54.946"	120°53'43.822"
314	12°54'53.341"	120°53'44.102"
315	12°54'51.893"	120°53'44.420"
316	12°54'50.432"	120°53'44.802"
317	12°54'48.867"	120°53'45.259"
318	12°54'47.303"	120°53'45.715"
319	12°54'45.749"	120°53'46.203"
320	12°54'44.184"	120°53'46.659"
321	12°54'42.620"	120°53'47.116"
322	12°54'41.085"	120°53'47.667"
323	12°54'39.530"	120°53'48.155"
324	12°54'37.976"	120°53'48.643"
325	12°54'36.421"	120°53'49.131"

CORNER	North Latitude	East Longitude
326	12°54'35.400"	120°53'49.520"
327	12°54'34.113"	120°53'50.535"
328	12°54'32.787"	120°53'51.497"
329	12°54'31.063"	120°53'51.935"
330	12°54'29.498"	120°53'52.583"
331	12°54'28.370"	120°53'53.808"
332	12°54'26.984"	120°53'54.691"
333	12°54'26.156"	120°53'56.310"
334	12°54'24.750"	120°53'57.167"
335	12°54'23.782"	120°53'58.602"
336	12°54'22.496"	120°53'59.616"
337	12°54'21.767"	120°54'01.366"
338	12°54'19.722"	120°54'01.715"
339	12°54'17.620"	120°54'02.171"
340	12°54'16.100"	120°54'03.135"
341	12°54'14.307"	120°54'01.894"
342	12°54'12.673"	120°54'01.937"
343	12°54'11.201"	120°54'03.296"
344	12°54'09.668"	120°54'04.161"
345	12°54'07.985"	120°54'03.809"
346	12°54'06.408"	120°54'04.312"
347	12°54'04.697"	120°54'03.730"
348	12°54'03.087"	120°54'03.907"
349	12°54'01.745"	120°54'04.354"
350	12°54'01.162"	120°54'05.021"
351	12°54'00.391"	120°54'06.534"
352	12°53'59.521"	120°54'07.960"
353	12°53'58.308"	120°54'09.082"
354	12°53'56.996"	120°54'10.117"
355	12°53'55.832"	120°54'11.283"

CORNER	North Latitude	East Longitude
356	12°53'54.864"	120°54'12.622"
357	12°53'53.724"	120°54'13.810"
358	12°53'52.725"	120°54'14.902"
359	12°53'52.112"	120°54'16.153"
360	12°53'51.254"	120°54'17.593"
361	12°53'50.546"	120°54'19.092"
362	12°53'49.627"	120°54'20.508"
363	12°53'49.709"	120°54'22.317"
364	12°53'48.304"	120°54'23.542"
365	12°53'48.659"	120°54'25.459"
366	12°53'48.134"	120°54'27.030"
367	12°53'47.488"	120°54'28.553"
368	12°53'45.904"	120°54'29.986"
369	12°53'43.910"	120°54'30.656"
370	12°53'42.254"	120°54'30.546"
371	12°53'40.621"	120°54'30.601"
372	12°53'39.030"	120°54'30.984"
373	12°53'37.490"	120°54'31.762"
374	12°53'35.891"	120°54'32.080"
375	12°53'52.919"	120°46'56.098"
376	12°53'54.205"	120°46'57.127"
377	12°53'56.264"	120°46'58.652"
378	12°53'57.935"	120°46'59.344"
379	12°53'59.541"	120°46'59.603"
380	12°54'01.148"	120°46'59.861"
381	12°54'02.755"	120°47'00.119"
382	12°54'03.666"	120°47'00.178"
383	12°54'04.816"	120°47'00.656"
384	12°54'06.131"	120°47'01.645"
385	12°54'07.447"	120°47'02.634"

CORNER	North Latitude	East Longitude
386	12°54'08.846"	120°47'03.48"
387	12°54'10.244"	120°47'04.327"
388	12°54'11.975"	120°47'04.603"
389	12°54'13.789"	120°47'04.736"
390	12°54'15.188"	120°47'05.582"
391	12°54'16.617"	120°47'06.632"
392	12°54'19.064"	120°47'07.393"
393	12°54'20.687"	120°47'07.296"
394	12°54'22.311"	120°47'07.198"
395	12°54'23.935"	120°47'07.101"
396	12°54'25.324"	120°47'07.012"
397	12°54'26.893"	120°47'07.130"
398	12°54'28.512"	120°47'07.299"
399	12°54'30.130"	120°47'07.467"
400	12°54'31.748"	120°47'07.636"
401	12°54'33.372"	120°47'07.739"
402	12°54'33.981"	120°47'07.497"
403	12°54'35.211"	120°47'08.559"
404	12°54'36.398"	120°47'09.692"
405	12°54'37.586"	120°47'10.826"
406	12°54'38.796"	120°47'11.934"
407	12°54'39.961"	120°47'13.092"
408	12°54'40.841"	120°47'13.931"
409	12°54'41.585"	120°47'15.246"
410	12°54'42.379"	120°47'16.694"
411	12°54'43.028"	120°47'18.220"
412	12°54'43.190"	120°47'20.011"
413	12°54'43.409"	120°47'21.770"
414	12°54'45.233"	120°47'24.478"
415	12°54'48.244"	120°47'25.852"

CORNER	North Latitude	East Longitude
416	12°54'49.395"	120°47'25.715"
417	12°54'51.035"	120°47'25.812"
418	12°54'52.655"	120°47'26.006"
419	12°54'53.890"	120°47'25.936"
420	12°54'54.996"	120°47'26.251"
421	12°54'55.862"	120°47'26.435"
422	12°54'56.744"	120°47'27.736"
423	12°54'57.624"	120°47'29.130"
424	12°54'58.505"	120°47'30.524"
425	12°54'59.442"	120°47'32.093"
426	12°55'02.397"	120°47'34.239"
427	12°55'04.033"	120°47'34.336"
428	12°55'05.670"	120°47'34.466"
429	12°55'07.301"	120°47'34.564"
430	12°55'07.657"	120°47'34.367"
431	12°55'09.172"	120°47'34.969"
432	12°55'10.687"	120°47'35.572"
433	12°55'12.238"	120°47'36.082"
434	12°55'13.466"	120°47'36.580"
435	12°55'14.426"	120°47'37.161"
436	12°55'15.699"	120°47'38.194"
437	12°55'17.051"	120°47'39.122"
438	12°55'18.501"	120°47'39.918"
439	12°55'19.615"	120°47'40.372"
440	12°55'20.774"	120°47'41.009"
441	12°55'21.888"	120°47'42.281"
442	12°55'22.658"	120°47'43.742"
443	12°55'23.456"	120°47'45.187"
444	12°55'24.255"	120°47'46.632"
445	12°55'25.025"	120°47'48.093"

CORNER	North Latitude	East Longitude
446	12°55'25.795"	120°47'49.553"
447	12°55'26.564"	120°47'51.014"
448	12°55'27.444"	120°47'52.591"
449	12°55'28.752"	120°47'54.194"
450	12°55'30.061"	120°47'55.177"
451	12°55'31.352"	120°47'56.188"
452	12°55'32.661"	120°47'57.171"
453	12°55'33.971"	120°47'58.155"
454	12°55'35.280"	120°47'59.138"
455	12°55'36.590"	120°48'00.122"
456	12°55'37.508"	120°48'00.848"
457	12°55'38.321"	120°48'02.106"
458	12°55'39.092"	120°48'03.566"
459	12°55'39.864"	120°48'05.025"
460	12°55'40.635"	120°48'06.485"
461	12°55'41.407"	120°48'07.945"
462	12°55'42.178"	120°48'09.405"
463	12°55'42.950"	120°48'10.865"
464	12°55'43.710"	120°48'12.312"
465	12°55'44.150"	120°48'12.419"
466	12°55'43.325"	120°48'13.849"
467	12°55'42.500"	120°48'15.278"
468	12°55'41.761"	120°48'16.475"
469	12°55'41.155"	120°48'17.147"
470	12°55'39.627"	120°48'17.715"
471	12°55'38.099"	120°48'18.283"
472	12°55'36.571"	120°48'18.851"
473	12°55'35.232"	120°48'19.948"
474	12°55'33.514"	120°48'19.987"
475	12°55'31.814"	120°48'20.760"

CORNER	North Latitude	East Longitude
476	12°55'30.104"	120°48'22.722"
477	12°55'29.738"	120°48'24.338"
478	12°55'29.372"	120°48'25.953"
479	12°55'29.006"	120°48'27.569"
480	12°55'28.608"	120°48'29.177"
481	12°55'28.692"	120°48'31.675"
482	12°55'29.778"	120°48'33.415"
483	12°55'30.887"	120°48'34.628"
484	12°55'31.948"	120°48'35.885"
485	12°55'33.057"	120°48'37.099"
486	12°55'34.190"	120°48'38.290"
487	12°55'35.275"	120°48'39.525"
488	12°55'35.894"	120°48'40.525"
489	12°55'36.154"	120°48'41.721"
490	12°55'36.300"	120°48'43.373"
491	12°55'36.445"	120°48'45.025"
492	12°55'36.590"	120°48'46.676"
493	12°55'36.735"	120°48'48.328"
494	12°55'36.913"	120°48'49.976"
495	12°55'37.091"	120°48'51.625"
496	12°55'37.070"	120°48'52.987"
497	12°55'36.773"	120°48'54.381"
498	12°55'36.266"	120°48'55.957"
499	12°55'35.758"	120°48'57.533"
500	12°55'35.188"	120°48'59.089"
501	12°55'34.712"	120°49'00.674"
502	12°55'34.235"	120°49'02.260"
503	12°55'33.759"	120°49'03.845"
504	12°55'33.282"	120°49'05.433"
505	12°55'32.992"	120°49'07.504"

CORNER	North Latitude	East Longitude
506	12°55'33.005"	120°49'09.162"
507	12°55'33.019"	120°49'10.82"
508	12°55'33.033"	120°49'12.478"
509	12°55'33.047"	120°49'14.136"
510	12°55'33.061"	120°49'15.795"
511	12°55'33.075"	120°49'17.453"
512	12°55'33.089"	120°49'19.111"
513	12°55'33.102"	120°49'20.769"
514	12°55'33.116"	120°49'22.427"
515	12°55'33.070"	120°49'23.899"
516	12°55'32.849"	120°49'25.462"
517	12°55'32.575"	120°49'27.097"
518	12°55'32.302"	120°49'28.732"
519	12°55'31.996"	120°49'30.361"
520	12°55'31.722"	120°49'31.995"
521	12°55'31.448"	120°49'33.63"
522	12°55'31.206"	120°49'35.27"
523	12°55'30.911"	120°49'36.84"
524	12°55'30.477"	120°49'38.172"
525	12°55'29.875"	120°49'39.712"
526	12°55'29.273"	120°49'41.253"
527	12°55'28.671"	120°49'42.793"
528	12°55'28.070"	120°49'44.334"
529	12°55'27.468"	120°49'45.874"
530	12°55'26.896"	120°49'47.427"
531	12°55'26.294"	120°49'48.968"
532	12°55'25.692"	120°49'50.508"
533	12°55'25.090"	120°49'52.049"
534	12°55'24.488"	120°49'53.589"
535	12°55'23.918"	120°49'55.291"

CORNER	North Latitude	East Longitude
536	12°55'23.473"	120°49'56.915"
537	12°55'23.051"	120°49'58.517"
538	12°55'22.629"	120°50'00.118"
539	12°55'22.207"	120°50'01.720"
540	12°55'21.314"	120°50'03.192"
541	12°55'20.483"	120°50'04.681"
542	12°55'19.653"	120°50'06.171"
543	12°55'19.262"	120°50'07.781"
544	12°55'18.966"	120°50'09.417"
545	12°55'18.607"	120°50'11.036"
546	12°55'18.247"	120°50'12.654"
547	12°55'18.085"	120°50'14.831"
548	12°55'18.152"	120°50'16.614"
549	12°55'18.231"	120°50'18.272"
550	12°55'18.374"	120°50'19.929"
551	12°55'18.421"	120°50'21.587"
552	12°55'18.434"	120°50'23.245"
553	12°55'18.448"	120°50'24.903"
554	12°55'18.429"	120°50'26.562"
555	12°55'18.476"	120°50'28.220"
556	12°55'18.457"	120°50'29.878"
557	12°55'18.503"	120°50'31.536"
558	12°55'18.484"	120°50'33.195"
559	12°55'18.498"	120°50'34.853"
560	12°55'18.479"	120°50'36.511"
561	12°55'18.493"	120°50'38.169"
562	12°55'18.506"	120°50'39.828"
563	12°55'18.667"	120°50'41.719"
564	12°55'19.322"	120°50'43.914"
565	12°55'20.053"	120°50'45.395"

CORNER	North Latitude	East Longitude
566	12°55'20.785"	120°50'46.877"
567	12°55'21.517"	120°50'48.358"
568	12°55'22.571"	120°50'49.682"
569	12°55'23.479"	120°50'51.077"
570	12°55'24.152"	120°50'52.587"
571	12°55'24.825"	120°50'54.097"
572	12°55'25.469"	120°50'55.622"
573	12°55'26.142"	120°50'57.132"
574	12°55'26.844"	120°50'58.627"
575	12°55'27.547"	120°51'00.123"
576	12°55'28.249"	120°51'01.619"
577	12°55'28.981"	120°51'03.100"
578	12°55'29.742"	120°51'04.567"
579	12°55'30.444"	120°51'06.063"
580	12°55'31.147"	120°51'07.559"
581	12°55'31.849"	120°51'09.054"
582	12°55'32.522"	120°51'10.564"
583	12°55'33.166"	120°51'12.089"
584	12°55'33.868"	120°51'13.584"
585	12°55'34.571"	120°51'15.08"
586	12°55'35.273"	120°51'16.576"
587	12°55'35.975"	120°51'18.071"
588	12°55'36.678"	120°51'19.567"
589	12°55'37.380"	120°51'21.063"
590	12°55'37.898"	120°51'22.415"
591	12°55'38.293"	120°51'24.016"
592	12°55'38.780"	120°51'25.599"
593	12°55'39.235"	120°51'27.191"
594	12°55'39.753"	120°51'28.763"
595	12°55'40.239"	120°51'30.346"

CORNER	North Latitude	East Longitude
596	12°55'40.943"	120°51'31.859"
597	12°55'41.306"	120°51'33.481"
598	12°55'41.823"	120°51'35.053"
599	12°55'42.310"	120°51'36.636"
600	12°55'42.766"	120°51'38.228"
601	12°55'43.252"	120°51'39.810"
602	12°55'43.716"	120°51'41.371"
603	12°55'43.829"	120°51'42.511"
604	12°55'43.757"	120°51'44.168"
605	12°55'43.685"	120°51'45.825"
606	12°55'43.613"	120°51'47.482"
607	12°55'43.541"	120°51'49.138"
608	12°55'43.469"	120°51'50.795"
609	12°55'43.430"	120°51'52.453"
610	12°55'43.358"	120°51'54.11"
611	12°55'43.286"	120°51'55.766"
612	12°55'43.214"	120°51'57.423"
613	12°55'43.174"	120°51'59.081"
614	12°55'43.135"	120°52'00.739"
615	12°55'43.063"	120°52'02.396"
616	12°55'42.991"	120°52'04.053"
617	12°55'42.951"	120°52'05.711"
618	12°55'42.847"	120°52'07.366"
619	12°55'42.743"	120°52'09.021"
620	12°55'42.606"	120°52'10.675"
621	12°55'42.534"	120°52'12.332"
622	12°55'42.559"	120°52'13.993"
623	12°55'42.487"	120°52'15.650"
624	12°55'42.415"	120°52'17.306"
625	12°55'42.343"	120°52'18.963"

CORNER	North Latitude	East Longitude
626	12°55'42.304"	120°52'20.621"
627	12°55'42.055"	120°52'21.946"
628	12°55'41.563"	120°52'23.253"
629	12°55'40.776"	120°52'24.708"
630	12°55'40.077"	120°52'26.206"
631	12°55'38.791"	120°52'27.418"
632	12°55'37.975"	120°52'28.859"
633	12°55'37.688"	120°52'30.556"
634	12°55'37.401"	120°52'32.253"
635	12°55'36.732"	120°52'33.765"
636	12°55'36.033"	120°52'35.263"
637	12°55'35.335"	120°52'36.760"
638	12°55'34.636"	120°52'38.258"
639	12°55'33.908"	120°52'39.741"
640	12°55'33.210"	120°52'41.239"
641	12°55'32.511"	120°52'42.736"
642	12°55'31.813"	120°52'44.234"
643	12°55'31.114"	120°52'45.732"
644	12°55'30.463"	120°52'47.441"
645	12°55'29.975"	120°52'49.058"
646	12°55'29.514"	120°52'50.649"
647	12°55'29.054"	120°52'52.239"
648	12°55'28.593"	120°52'53.830"
649	12°55'28.132"	120°52'55.420"
650	12°55'27.672"	120°52'57.01"
651	12°55'27.211"	120°52'58.601"
652	12°55'26.750"	120°53'00.191"
653	12°55'26.289"	120°53'01.781"
654	12°55'25.802"	120°53'03.280"
655	12°55'25.202"	120°53'04.742"

CORNER	North Latitude	East Longitude
656	12°55'24.571"	120°53'06.270"
657	12°55'23.939"	120°53'07.798"
658	12°55'23.308"	120°53'09.326"
659	12°55'22.676"	120°53'10.855"
660	12°55'22.045"	120°53'12.383"
661	12°55'21.413"	120°53'13.911"
662	12°55'20.782"	120°53'15.439"
663	12°55'20.060"	120°53'16.929"
664	12°55'19.459"	120°53'18.470"
665	12°55'18.647"	120°53'19.921"
666	12°55'17.476"	120°53'21.217"
667	12°55'16.994"	120°53'22.810"
668	12°55'16.548"	120°53'23.877"
669	12°55'15.729"	120°53'25.302"
670	12°55'14.814"	120°53'26.676"
671	12°55'13.951"	120°53'28.092"
672	12°55'13.011"	120°53'29.447"
673	12°55'12.019"	120°53'30.761"
674	12°55'11.027"	120°53'32.075"
675	12°55'10.061"	120°53'33.410"
676	12°55'08.991"	120°53'34.663"
677	12°55'7.0974"	120°53'35.957"
678	12°55'06.982"	120°53'37.272"
679	12°55'05.990"	120°53'38.586"
680	12°55'05.140"	120°53'39.347"
681	12°55'04.245"	120°53'39.576"
682	12°55'02.632"	120°53'39.790"
683	12°55'01.019"	120°53'40.005"
684	12°54'59.406"	120°53'40.219"
685	12°54'57.793"	120°53'40.433"

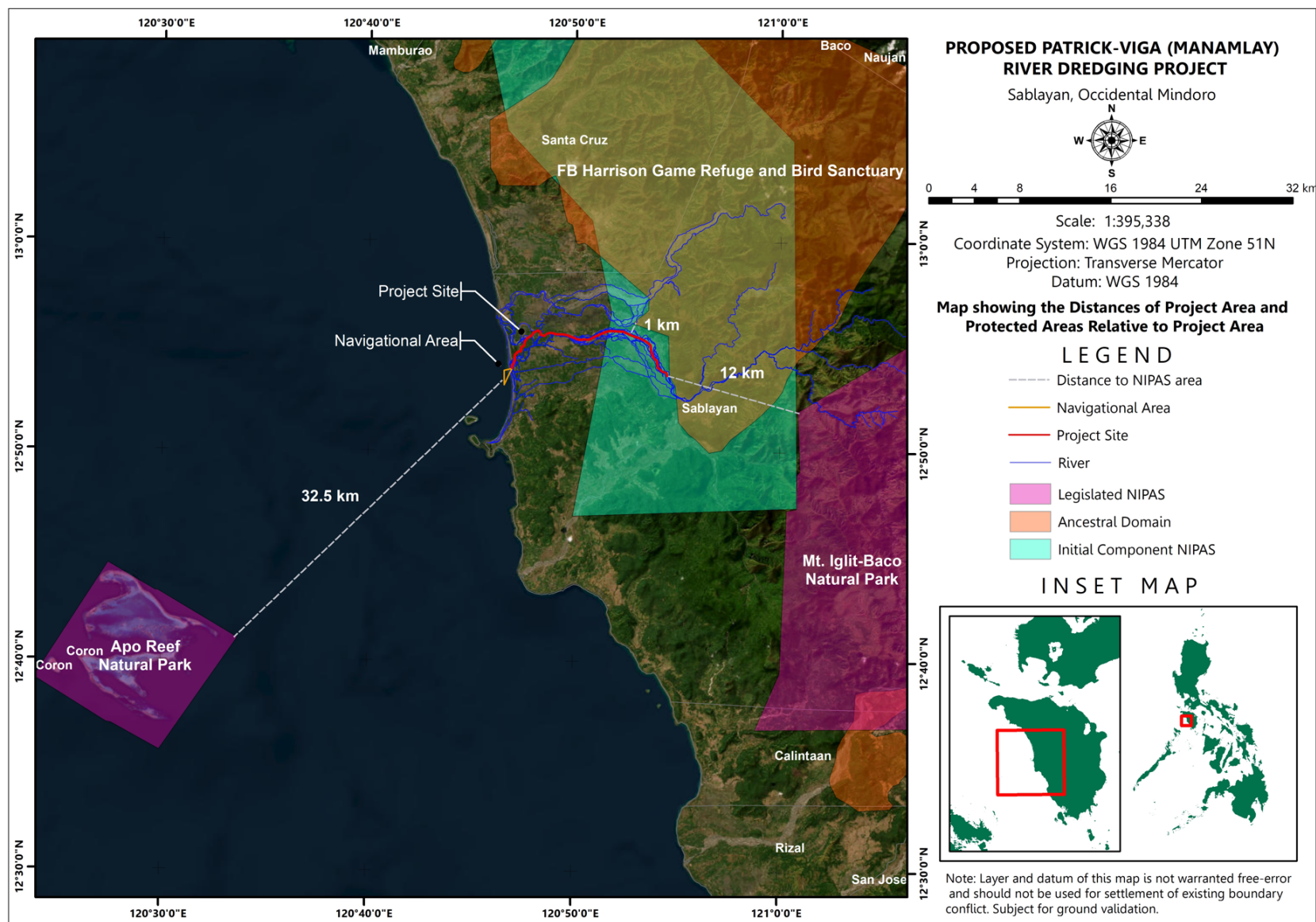
CORNER	North Latitude	East Longitude
686	12°54'56.180"	120°53'40.648"
687	12°54'54.567"	120°53'40.862"
688	12°54'52.946"	120°53'41.010"
689	12°54'51.202"	120°53'41.315"
690	12°54'49.532"	120°53'41.823"
691	12°54'47.987"	120°53'42.343"
692	12°54'46.442"	120°53'42.862"
693	12°54'44.887"	120°53'43.350"
694	12°54'43.332"	120°53'43.838"
695	12°54'41.778"	120°53'44.326"
696	12°54'40.214"	120°53'44.783"
697	12°54'38.659"	120°53'45.271"
698	12°54'37.085"	120°53'45.695"
699	12°54'35.531"	120°53'46.183"
700	12°54'33.608"	120°53'47.160"
701	12°54'32.361"	120°53'48.227"
702	12°54'31.035"	120°53'49.189"
703	12°54'29.271"	120°53'49.575"
704	12°54'27.745"	120°53'50.275"
705	12°54'26.598"	120°53'51.473"
706	12°54'25.212"	120°53'52.357"
707	12°54'23.966"	120°53'53.424"
708	12°54'23.038"	120°53'54.911"
709	12°54'22.050"	120°53'56.320"
710	12°54'20.764"	120°53'57.335"
711	12°54'20.075"	120°53'59.136"
712	12°54'18.443"	120°53'59.405"
713	12°54'17.279"	120°53'59.407"
714	12°54'15.770"	120°54'00.470"
715	12°54'13.994"	120°53'59.361"

CORNER	North Latitude	East Longitude
716	12°54'12.360"	120°53'59.403"
717	12°54'10.896"	120°54'00.828"
718	12°54'09.343"	120°54'01.529"
719	12°54'07.664"	120°54'01.210"
720	12°54'06.095"	120°54'01.779"
721	12°54'04.380"	120°54'01.163"
722	12°54'02.774"	120°54'01.436"
723	12°54'00.996"	120°54'01.917"
724	12°53'59.294"	120°54'03.369"
725	12°53'58.597"	120°54'04.947"
726	12°53'57.728"	120°54'06.374"
727	12°53'56.514"	120°54'07.496"
728	12°53'55.202"	120°54'08.531"
729	12°53'54.087"	120°54'09.740"
730	12°53'53.807"	120°54'11.688"
731	12°53'52.692"	120°54'12.897"
732	12°53'51.206"	120°54'13.878"
733	12°53'49.927"	120°54'15.294"
734	12°53'48.977"	120°54'16.697"
735	12°53'48.270"	120°54'18.196"
736	12°53'47.806"	120°54'19.791"
737	12°53'47.584"	120°54'21.481"
738	12°53'47.059"	120°54'23.052"
739	12°53'46.504"	120°54'24.611"
740	12°53'45.888"	120°54'26.146"
741	12°53'45.181"	120°54'27.645"
742	12°53'44.266"	120°54'28.098"
743	12°53'43.588"	120°54'28.190"
744	12°53'41.928"	120°54'28.048"
745	12°53'40.281"	120°54'28.004"

CORNER	North Latitude	East Longitude
746	12°53'38.686"	120°54'28.355"
747	12°53'37.159"	120°54'29.231"
748	12°53'35.547"	120°54'29.450"
Delta (Navigation Zone)		
N1	12°53'54.64"	120°46'52.96"
N2	12°53'53.01"	120°46'55.56"
N3	12°53'20.79"	120°46'40.03"
N4	12°53'20.72"	120°46'39.42"
N5	12°53'20.59"	120°46'39.24"
N6	12°53'20.87"	120°46'39.06"
N7	12°53'20.93"	120°46'38.76"
N8	12°53'21.28"	120°46'38.67"
N9	12°53'21.71"	120°46'38.71"
N10	12°53'21.86"	120°46'38.92"
N11	12°53'22.06"	120°46'39.16"
N12	12°53'22.42"	120°46'39.4"
N13	12°53'22.92"	120°46'39.48"
N14	12°53'23.35"	120°46'39.39"
N15	12°53'23.99"	120°46'39.12"
N16	12°53'24.44"	120°46'38.84"
N17	12°53'25.19"	120°46'38.54"
N18	12°53'26.25"	120°46'38.45"
N19	12°53'26.82"	120°46'38.27"
N20	12°53'27.68"	120°46'38.06"
N21	12°53'28.26"	120°46'37.84"
N22	12°53'28.8"	120°46'37.96"
N23	12°53'29.11"	120°46'38.22"
N24	12°53'29.66"	120°46'38.11"
N25	12°53'30.05"	120°46'37.62"
N26	12°53'30.28"	120°46'37.14"

CORNER	North Latitude	East Longitude
N27	12°53'30.21"	120°46'36.59"
N28	12°53'30.4"	120°46'36.08"
N29	12°53'30.81"	120°46'36.02"
N30	12°53'31.2"	120°46'36.23"
N31	12°53'31.29"	120°46'36.6"
N32	12°53'31.44"	120°46'36.93"
N33	12°53'33.14"	120°46'36.78"
N34	12°53'34.21"	120°46'36.31"
N35	12°53'38.75"	120°46'36.14"
N36	12°53'39.52"	120°46'36.03"
N37	12°53'39.95"	120°46'35.8"
N38	12°53'41.76"	120°46'35.68"
N39	12°53'42.25"	120°46'35.87"
N40	12°53'42.58"	120°46'36.11"
N41	12°53'43.1"	120°46'36.02"
N42	12°53'43.97"	120°46'35.46"
N43	12°53'45.18"	120°46'35.38"
N44	12°53'45.66"	120°46'36.24"
N45	12°53'46.2"	120°46'36.32"

Distances of Project Area and Protected Areas Relative to Project Area



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