



# **Spiorad na Mara Offshore Wind Farm**

## **Offshore Project**

### **Environmental Impact Assessment Report**

#### **Appendix 3.3: Offshore Project Coordinates, Volume 1c**

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# 1 INTRODUCTION

1.1.1.1 This appendix of the Environmental Impact Assessment Report (EIAR) presents the Offshore Project coordinates for the areas associated with the proposed Spiorad na Mara Offshore Wind Farm (hereafter referred to as the 'Offshore Project'). Coordinates are provided in Easting and Northing following the WGS84 (World Geodetic System 1984; WGS84 UTM Zone 29N) coordinate system. This appendix should be read in conjunction with the project description provided in **Chapter 3: Offshore Project Description, Volume 1a.**

Table 1-1 Array Area Coordinates

Coordinate No.	Easting	Northing	Coordinate No.	Easting	Northing
1	627742.0025	6470029.287	5	638561.3262	6482320.079
2	623960.9821	6466835.957	6	640252.4888	6480659.15
3	618240.0752	6472400.197	7	627742.0025	6470029.287
4	635144.8245	6485681.9			

Table 1-2 Turbine Area Coordinates

Coordinate No.	Easting	Northing	Coordinate No.	Easting	Northing
<b>1</b>	627237.8695	6470748.701	<b>119</b>	630407.6998	6473075.297
<b>2</b>	627207.4204	6470738.31	<b>120</b>	630392.0581	6473064.124
<b>3</b>	627171.9705	6470727.131	<b>121</b>	630373.6972	6473049.726
<b>4</b>	627069.4663	6470691.21	<b>122</b>	630360.533	6473039.574
<b>5</b>	626975.079	6470656.809	<b>123</b>	630336.6618	6473020.92
<b>6</b>	626855.341	6470609.677	<b>124</b>	630316.1676	6473004.571
<b>7</b>	626779.0102	6470580.251	<b>125</b>	630303.6199	6472994.754
<b>8</b>	626606.1571	6470504.449	<b>126</b>	630286.1995	6472980.387
<b>9</b>	626476.2818	6470537.902	<b>127</b>	630270.2848	6472967.951
<b>10</b>	626360.4382	6470564.91	<b>128</b>	630255.3108	6472955.546
<b>11</b>	626252.7353	6470592.81	<b>129</b>	630245.1995	6472948.004
<b>12</b>	625928.9226	6470659.57	<b>130</b>	630225.0287	6472931.352
<b>13</b>	625720.2071	6470703.066	<b>131</b>	630204.5644	6472914.065
<b>14</b>	625617.3064	6470718.593	<b>132</b>	630184.0794	6472897.403
<b>15</b>	625582.6078	6470723.129	<b>133</b>	630155.9812	6472873.595
<b>16</b>	625488.395	6470742.072	<b>134</b>	630136.4472	6472856.652
<b>17</b>	625422.6848	6470753.773	<b>135</b>	630122.403	6472844.591
<b>18</b>	625353.7375	6470768.508	<b>136</b>	630108.9965	6472832.238
<b>19</b>	625300.6799	6470777.479	<b>137</b>	630094.0215	6472819.834
<b>20</b>	625190.1325	6470796.535	<b>138</b>	630080.6249	6472807.168
<b>21</b>	625041.7914	6470818.783	<b>139</b>	630065.6708	6472794.137
<b>22</b>	624867.582	6470844.605	<b>140</b>	630051.0195	6472781.43
<b>23</b>	624755.2953	6470859.229	<b>141</b>	630037.9261	6472769.087

Coordinate No.	Easting	Northing	Coordinate No.	Easting	Northing
24	624641.814	6470871.937	142	630021.4447	6472754.753
25	624515.1149	6470885.483	143	630011.4048	6472745.018
26	624425.6022	6470895.193	144	630000.4032	6472735.879
27	624329.246	6470902.808	145	629991.5763	6472727.439
28	624195.8042	6470911.135	146	629975.1256	6472712.165
29	623989.3078	6470925.316	147	629944.3467	6472683.881
30	623772.8313	6470937.313	148	629922.4361	6472662.785
31	623588.5199	6470945.315	149	629902.3346	6472643.943
32	623516.8592	6470946.828	150	629887.0962	6472629.963
33	623460.2601	6470948.814	151	629872.7989	6472616.014
34	623287.4231	6470951.547	152	629857.8741	6472602.044
35	623179.3441	6470952.552	153	629846.6408	6472590.39
36	623098.9569	6470951.918	154	629835.3765	6472579.675
37	623049.3594	6470950.994	155	629829.0067	6472572.883
38	622983.4647	6470948.934	156	629818.3385	6472563.128
39	622862.2659	6470947.656	157	629808.3183	6472552.768
40	622763.1687	6470942.683	158	629801.3107	6472546.268
41	622716.1204	6470940.589	159	629790.9871	6472535.584
42	622664.0517	6470938.338	160	629778.8124	6472523.899
43	622590.0379	6470934.778	161	629764.5454	6472509.011
44	622514.7097	6470933.059	162	629752.3705	6472497.326
45	622432.5568	6470928.622	163	629738.7201	6472482.772
46	622312.7881	6470921.763	164	629706.838	6472449.75
47	622201.2554	6470912.655	165	629680.1536	6472420.975
48	622091.1775	6470917.389	166	629627.0561	6472364.687
49	621981.6697	6470924.026	167	629596.468	6472330.455
50	621893.5961	6470928.194	168	629583.737	6472316.558
51	621816.8969	6470930.208	169	629552.0378	6472277.9
52	621752.7879	6470931.359	170	629538.576	6472267.113
53	621545.3036	6470937.486	171	629483.4422	6472224.864
54	621309.4828	6470945.885	172	629456.2451	6472202.027
55	620995.0725	6470936.206	173	629437.553	6472187.934
56	620643.0073	6470925.398	174	629405.7737	6472161.185
57	620608.4141	6470926.845	175	629382.5096	6472142.867
58	620524.5698	6470916.126	176	629359.2866	6472123.296
59	620381.7714	6470902.35	177	629332.0984	6472100.146
60	620279.669	6470892.959	178	629311.3433	6472081.91
61	620195.138	6470884.106	179	629293.3085	6472066.899
62	620146.8724	6470880.751	180	629278.6624	6472053.879
63	619988.3824	6470866.511	181	629264.6437	6472040.88
64	619840.8278	6470843.832	182	629249.9666	6472028.8
65	618240.0752	6472400.197	183	629237.7476	6472018.367
66	635144.8249	6485681.9	184	629222.7977	6472005.024

<b>Coordinate No.</b>	<b>Easting</b>	<b>Northing</b>	<b>Coordinate No.</b>	<b>Easting</b>	<b>Northing</b>
<b>67</b>	638561.3268	6482320.079	<b>185</b>	629205.7443	6471988.791
<b>68</b>	640252.4885	6480659.15	<b>186</b>	629178.8784	6471965.339
<b>69</b>	634609.4682	6475840.746	<b>187</b>	629159.387	6471946.832
<b>70</b>	634188.0232	6475686.016	<b>188</b>	629138.9543	6471928.293
<b>71</b>	633876.5323	6475545.096	<b>189</b>	629125.5518	6471915.628
<b>72</b>	633506.7109	6475347.088	<b>190</b>	629113.08	6471903.307
<b>73</b>	633216.2502	6475176.856	<b>191</b>	629098.7568	6471889.984
<b>74</b>	632941.6587	6474982.116	<b>192</b>	629084.13	6471876.339
<b>75</b>	632706.4904	6474808.769	<b>193</b>	629068.8962	6471862.046
<b>76</b>	632418.8245	6474553.461	<b>194</b>	629051.2346	6471845.166
<b>77</b>	632131.458	6474288.145	<b>195</b>	629038.7215	6471834.097
<b>78</b>	631909.4465	6474038.501	<b>196</b>	629015.042	6471809.183
<b>79</b>	631885.7132	6474025.485	<b>197</b>	628994.366	6471788.443
<b>80</b>	631740.8944	6473944.492	<b>198</b>	628977.8972	6471773.483
<b>81</b>	631679.6396	6473908.287	<b>199</b>	628962.9866	6471758.887
<b>82</b>	631631.9395	6473879.743	<b>200</b>	628948.3999	6471743.989
<b>83</b>	631605.7689	6473864.454	<b>201</b>	628933.1959	6471728.757
<b>84</b>	631593.1749	6473856.199	<b>202</b>	628920.7537	6471715.497
<b>85</b>	631544.8778	6473826.696	<b>203</b>	628909.8391	6471703.54
<b>86</b>	631492.3159	6473793.291	<b>204</b>	628898.9141	6471691.897
<b>87</b>	631456.0372	6473770.458	<b>205</b>	628885.8135	6471679.555
<b>88</b>	631411.5114	6473740.769	<b>206</b>	628860.8978	6471653.973
<b>89</b>	631316.3327	6473676.801	<b>207</b>	628829.0529	6471619.387
<b>90</b>	631277.0731	6473649.169	<b>208</b>	628812.9887	6471601.619
<b>91</b>	631260.5264	6473637.022	<b>209</b>	628792.3516	6471579.626
<b>92</b>	631251.6419	6473630.459	<b>210</b>	628780.8292	6471567.022
<b>93</b>	631240.8964	6473623.207	<b>211</b>	628772.0281	6471557.643
<b>94</b>	631229.8478	6473615.631	<b>212</b>	628733.2625	6471513.739
<b>95</b>	631220.3462	6473608.733	<b>213</b>	628704.7949	6471481.458
<b>96</b>	631205.639	6473597.902	<b>214</b>	628694.81	6471469.845
<b>97</b>	631185.1095	6473582.803	<b>215</b>	628683.9247	6471456.949
<b>98</b>	631168.2592	6473570.333	<b>216</b>	628667.242	6471438.847
<b>99</b>	631155.9456	6473563.029	<b>217</b>	628626.7248	6471390.81
<b>100</b>	631105.7082	6473535.032	<b>218</b>	628583.4851	6471339.549
<b>101</b>	631040.7203	6473497.456	<b>219</b>	628539.0812	6471285.428
<b>102</b>	630999.4504	6473473.519	<b>220</b>	628489.8809	6471224.252
<b>103</b>	630965.2881	6473452.953	<b>221</b>	628420.2725	6471133.88
<b>104</b>	630931.1361	6473432.074	<b>222</b>	628351.7964	6471037.587
<b>105</b>	630896.9731	6473411.509	<b>223</b>	628297.02	6471022.005
<b>106</b>	630838.515	6473375.72	<b>224</b>	628250.9475	6471009.216
<b>107</b>	630798.5696	6473349.635	<b>225</b>	628133.8619	6470977.811

Coordinate No.	Easting	Northing	Coordinate No.	Easting	Northing
<b>108</b>	630754.3168	6473320.9	<b>226</b>	628057.9094	6470956.526
<b>109</b>	630708.5369	6473290.862	<b>227</b>	628003.0494	6470943.454
<b>110</b>	630659.7034	6473258.215	<b>228</b>	627956.8937	6470933.174
<b>111</b>	630612.4579	6473224.994	<b>229</b>	627835.7942	6470909.172
<b>112</b>	630586.9896	6473207.226	<b>230</b>	627734.7762	6470885.825
<b>113</b>	630539.1469	6473173.047	<b>231</b>	627630.0322	6470861.106
<b>114</b>	630509.4119	6473151.377	<b>232</b>	627539.6811	6470838.111
<b>115</b>	630486.1068	6473134.621	<b>233</b>	627486.1138	6470823.833
<b>116</b>	630460.355	6473115.904	<b>234</b>	627387.7443	6470796.191
<b>117</b>	630440.4577	6473100.514	<b>235</b>	627340.4925	6470780.866
<b>118</b>	630422.6936	6473087.077	<b>236</b>	627270.8289	6470759.173
			<b>237</b>	627237.8695	6470748.701

Table 1-3 Offshore Cable Area of Search Coordinates

Coordinate No.	Easting	Northing	Coordinate No.	Easting	Northing
<b>1</b>	639790.4449	6480271.045	<b>134</b>	644197.496	6474014.404
<b>2</b>	639792.3732	6480268.202	<b>135</b>	644196.5465	6474004.256
<b>3</b>	639886.3743	6480348.073	<b>136</b>	644202.3194	6473996.318
<b>4</b>	640249.0525	6480656.232	<b>137</b>	644202.9998	6473995.385
<b>5</b>	640250.0502	6480657.079	<b>138</b>	644212.6203	6473989.859
<b>6</b>	640252.4888	6480659.15	<b>139</b>	644213.5327	6473985.935
<b>7</b>	640252.4909	6480659.147	<b>140</b>	644213.2434	6473983.895
<b>8</b>	640254.7067	6480655.85	<b>141</b>	644210.4396	6473977.071
<b>9</b>	643827.1379	6475339.623	<b>142</b>	644204.7874	6473973.466
<b>10</b>	643934.9984	6475179.097	<b>143</b>	644197.8521	6473967.717
<b>11</b>	644356.3563	6474552.001	<b>144</b>	644185.7096	6473958.912
<b>12</b>	644355.1769	6474548.864	<b>145</b>	644172.2319	6473948.461
<b>13</b>	644354.5464	6474545.281	<b>146</b>	644171.6534	6473944.381
<b>14</b>	644356.7643	6474538.479	<b>147</b>	644173.2704	6473938.521
<b>15</b>	644359.3234	6474533.22	<b>148</b>	644173.8639	6473928.033
<b>16</b>	644365.4132	6474527.827	<b>149</b>	644167.4181	6473912.79
<b>17</b>	644371.4512	6474522.931	<b>150</b>	644164.7863	6473914.032
<b>18</b>	644373.2491	6474521.11	<b>151</b>	644155.2607	6473918.553
<b>19</b>	644377.6543	6474516.646	<b>152</b>	644125.1899	6473927.469
<b>20</b>	644378.1937	6474516.1	<b>153</b>	644119.5897	6473923.367
<b>21</b>	644385.3072	6474515.336	<b>154</b>	644115.9774	6473919.473
<b>22</b>	644386.9424	6474515.006	<b>155</b>	644117.854	6473911.128
<b>23</b>	644393.5184	6474513.682	<b>156</b>	644125.8347	6473911.732
<b>24</b>	644399.0074	6474509.231	<b>157</b>	644135.3001	6473912.448
<b>25</b>	644402.1154	6474503.527	<b>158</b>	644139.0905	6473909.83
<b>26</b>	644403.2578	6474492.593	<b>159</b>	644140.893	6473907.004
<b>27</b>	644406.21	6474488.38	<b>160</b>	644142.2504	6473903.629

<b>Coordinate No.</b>	<b>Easting</b>	<b>Northing</b>	<b>Coordinate No.</b>	<b>Easting</b>	<b>Northing</b>
<b>28</b>	644410.0004	6474485.761	<b>161</b>	644140.8515	6473899.323
<b>29</b>	644411.2762	6474478.358	<b>162</b>	644140.7298	6473898.948
<b>30</b>	644408.6059	6474475.065	<b>163</b>	644135.7304	6473893.905
<b>31</b>	644402.9018	6474471.957	<b>164</b>	644135.8022	6473893.41
<b>32</b>	644390.0027	6474465.585	<b>165</b>	644140.4407	6473863.248
<b>33</b>	644388.141	6474459.362	<b>166</b>	644138.3193	6473859.509
<b>34</b>	644388.1633	6474454.34	<b>167</b>	644137.8633	6473859.623
<b>35</b>	644403.2506	6474449.385	<b>168</b>	644132.6449	6473860.926
<b>36</b>	644405.8393	6474448.651	<b>169</b>	644124.4336	6473862.58
<b>37</b>	644406.1509	6474445.669	<b>170</b>	644122.7053	6473859.888
<b>38</b>	644405.1273	6474441.04	<b>171</b>	644121.4963	6473852.225
<b>39</b>	644402.902	6474438.296	<b>172</b>	644114.4087	6473852.741
<b>40</b>	644391.9612	6474427.607	<b>173</b>	644108.7085	6473854.406
<b>41</b>	644388.5784	6474421.436	<b>174</b>	644102.6409	6473854.777
<b>42</b>	644380.5679	6474406.822	<b>175</b>	644100.3118	6473853.026
<b>43</b>	644389.2836	6474381.105	<b>176</b>	644102.0772	6473836.129
<b>44</b>	644389.6929	6474380.521	<b>177</b>	644097.1594	6473835.113
<b>45</b>	644392.2358	6474376.892	<b>178</b>	644094.8303	6473833.362
<b>46</b>	644395.8704	6474375.764	<b>179</b>	644097.0185	6473822.036
<b>47</b>	644410.305	6474372.248	<b>180</b>	644095.2606	6473814.818
<b>48</b>	644417.3369	6474367.457	<b>181</b>	644098.9471	6473813.194
<b>49</b>	644419.3471	6474362.642	<b>182</b>	644104.5993	6473816.799
<b>50</b>	644420.1556	6474359.713	<b>183</b>	644107.4162	6473818.208
<b>51</b>	644418.0342	6474355.974	<b>184</b>	644108.4193	6473818.705
<b>52</b>	644413.6356	6474349.988	<b>185</b>	644117.8618	6473819.692
<b>53</b>	644408.3766	6474347.429	<b>186</b>	644123.8959	6473821.309
<b>54</b>	644400.8626	6474337.6	<b>187</b>	644139.3653	6473825.455
<b>55</b>	644402.502	6474293.057	<b>188</b>	644144.4908	6473824.484
<b>56</b>	644395.359	6474289.296	<b>189</b>	644149.8241	6473821.524
<b>57</b>	644391.6695	6474287.813	<b>190</b>	644154.868	6473816.524
<b>58</b>	644391.6611	6474287.809	<b>191</b>	644157.9241	6473811.317
<b>59</b>	644388.609	6474286.582	<b>192</b>	644160.6315	6473795.021
<b>60</b>	644377.9351	6474282.954	<b>193</b>	644155.8992	6473763.378
<b>61</b>	644370.5028	6474277.154	<b>194</b>	644153.281	6473759.587
<b>62</b>	644364.2201	6474269.966	<b>195</b>	644147.0205	6473747.378
<b>63</b>	644352.3965	6474267.726	<b>196</b>	644136.3838	6473724.161
<b>64</b>	644350.1713	6474264.981	<b>197</b>	644135.0116	6473708.443
<b>65</b>	644347.6048	6474260.694	<b>198</b>	644131.5847	6473707.583
<b>66</b>	644345.3858	6474260.583	<b>199</b>	644129.467	6473708.617
<b>67</b>	644329.0752	6474259.743	<b>200</b>	644123.8704	6473709.289
<b>68</b>	644323.9576	6474256.213	<b>201</b>	644120.807	6473704.949
<b>69</b>	644321.4431	6474251.429	<b>202</b>	644116.8015	6473700.009

<b>Coordinate No.</b>	<b>Easting</b>	<b>Northing</b>	<b>Coordinate No.</b>	<b>Easting</b>	<b>Northing</b>
<b>70</b>	644319.0843	6474245.154	<b>203</b>	644116.0672	6473697.42
<b>71</b>	644323.0305	6474241.044	<b>204</b>	644115.7815	6473688.758
<b>72</b>	644327.318	6474242.708	<b>205</b>	644115.103	6473668.181
<b>73</b>	644328.3415	6474243.106	<b>206</b>	644117.8104	6473651.884
<b>74</b>	644333.6005	6474245.666	<b>207</b>	644119.9393	6473631.508
<b>75</b>	644350.5496	6474246.934	<b>208</b>	644117.8921	6473622.251
<b>76</b>	644351.6047	6474247.607	<b>209</b>	644114.8509	6473612.89
<b>77</b>	644352.4337	6474248.136	<b>210</b>	644115.6594	6473609.287
<b>78</b>	644356.3576	6474249.048	<b>211</b>	644116.7276	6473604.545
<b>79</b>	644360.4397	6474250.369	<b>212</b>	644116.4427	6473603.521
<b>80</b>	644365.5924	6474252.023	<b>213</b>	644110.1705	6473580.75
<b>81</b>	644373.0248	6474257.823	<b>214</b>	644100.1791	6473546.547
<b>82</b>	644377.2083	6474256.251	<b>215</b>	644095.2093	6473546.028
<b>83</b>	644380.8948	6474254.626	<b>216</b>	644091.2335	6473545.613
<b>84</b>	644386.8511	6474245.703	<b>217</b>	644085.2698	6473544.99
<b>85</b>	644395.4481	6474235.548	<b>218</b>	644074.099	6473541.311
<b>86</b>	644396.8278	6474227.151	<b>219</b>	644062.691	6473535.095
<b>87</b>	644391.5688	6474224.592	<b>220</b>	644056.8905	6473533.293
<b>88</b>	644386.7548	6474222.582	<b>221</b>	644055.392	6473532.825
<b>89</b>	644376.8375	6474216.521	<b>222</b>	644051.6441	6473519.361
<b>90</b>	644374.2768	6474214.295	<b>223</b>	644049.9103	6473513.161
<b>91</b>	644372.2312	6474212.523	<b>224</b>	644046.6696	6473513.405
<b>92</b>	644370.7032	6474198.296	<b>225</b>	644038.7693	6473514.006
<b>93</b>	644371.6675	6474193.875	<b>226</b>	644032.6424	6473505.328
<b>94</b>	644375.7991	6474192.8	<b>227</b>	644028.3474	6473498.639
<b>95</b>	644379.0563	6474194.708	<b>228</b>	644027.4576	6473497.25
<b>96</b>	644381.0062	6474195.856	<b>229</b>	644033.175	6473481.861
<b>97</b>	644390.1892	6474199.327	<b>230</b>	644033.7477	6473480.323
<b>98</b>	644394.84	6474193.282	<b>231</b>	644035.2598	6473478.833
<b>99</b>	644401.3971	6474183.416	<b>232</b>	644041.588	6473472.602
<b>100</b>	644404.3939	6474169.16	<b>233</b>	644047.9893	6473464.227
<b>101</b>	644400.6925	6474151.691	<b>234</b>	644051.7911	6473460.375
<b>102</b>	644395.3	6474145.601	<b>235</b>	644052.4844	6473459.673
<b>103</b>	644380.7987	6474130.521	<b>236</b>	644046.0979	6473453.479
<b>104</b>	644372.6085	6474125.626	<b>237</b>	644041.8847	6473450.527
<b>105</b>	644367.5583	6474122.606	<b>238</b>	644039.3182	6473446.24
<b>106</b>	644352.0408	6474112.444	<b>239</b>	644049.777	6473442.308
<b>107</b>	644337.2279	6474100.345	<b>240</b>	644057.3058	6473437.569
<b>108</b>	644332.0431	6474092.268	<b>241</b>	644062.5574	6473430.581
<b>109</b>	644325.8123	6474084.583	<b>242</b>	644052.1728	6473428.994
<b>110</b>	644324.8258	6474094.025	<b>243</b>	644038.9325	6473421.079
<b>111</b>	644320.4865	6474097.089	<b>244</b>	644035.2683	6473417.682

Coordinate No.	Easting	Northing	Coordinate No.	Easting	Northing
112	644316.748	6474099.211	245	644040.3567	6473402.639
113	644310.2354	6474099.032	246	644041.0243	6473386.632
114	644283.6806	6474088.722	247	644040.3418	6473383.546
115	644276.7503	6474086.963	248	644035.6317	6473380.542
116	644274.5085	6474086.397	249	644033.9553	6473377.353
117	644256.7622	6474081.89	250	644041.3284	6473374.104
118	644241.1112	6474068.197	251	644046.0608	6473372.086
119	644226.4912	6474068.679	252	644043.0121	6473353.179
120	644223.6651	6474066.877	253	644033.6141	6473342.149
121	644224.6813	6474061.959	254	644025.529	6473337.787
122	644227.017	6474059.439	255	644021.5172	6473333.225
123	644231.026	6474055.115	256	641410.7487	6473410.337
124	644233.1744	6474052.798	257	632046.7645	6473686.936
125	644247.3123	6474037.695	258	632242.0846	6473852.895
126	644244.7458	6474033.408	259	633765.157	6475147.014
127	644241.2892	6474028.023	260	634053.634	6475392.126
128	644233.0706	6474020.13	261	634417.7461	6475701.503
129	644214.9198	6474020.746	262	634734.2008	6475986.662
130	644204.5649	6474023.683	263	634992.4674	6476205.503
131	644201.138	6474022.823	264	638426.648	6479115.4
132	644197.763	6474021.465	265	639790.4449	6480271.045
133	644196.4797	6474019.322			

Table 1-4 Percussive Piling Area

Coordinate No.	Easting	Northing	Coordinate No.	Easting	Northing
1	631885.7134	6474025.485	10	633506.7109	6475347.088
2	626675.5824	6479027.419	11	633216.2502	6475176.856
3	626675.3645	6479027.625	12	632941.6587	6474982.116
4	635144.8249	6485681.9	13	632706.4904	6474808.769
5	638561.3268	6482320.079	14	632418.8245	6474553.461
6	640252.4885	6480659.15	15	632131.458	6474288.145
7	634609.4682	6475840.746	16	631909.4465	6474038.501
8	634188.0232	6475686.016	17	631885.7134	6474025.485
9	633876.5323	6475545.096			

Table 1-5 Percussive Piling Exclusion Area

Coordinate No.	Easting	Northing	Coordinate No.	Easting	Northing
1	631885.7134	6474025.485	114	629084.13	6471876.339
2	631740.8944	6473944.492	115	629068.8962	6471862.046
3	631679.6396	6473908.287	116	629051.2346	6471845.166
4	631631.9395	6473879.743	117	629038.7215	6471834.097

<b>Coordinate No.</b>	<b>Easting</b>	<b>Northing</b>	<b>Coordinate No.</b>	<b>Easting</b>	<b>Northing</b>
5	631605.7689	6473864.454	118	629015.042	6471809.183
6	631593.1749	6473856.199	119	628994.366	6471788.443
7	631544.8778	6473826.696	120	628977.8972	6471773.483
8	631492.3159	6473793.291	121	628962.9866	6471758.887
9	631456.0372	6473770.458	122	628948.3999	6471743.989
10	631411.5114	6473740.769	123	628933.1959	6471728.757
11	631316.3327	6473676.801	124	628920.7537	6471715.497
12	631277.0731	6473649.169	125	628909.8391	6471703.54
13	631260.5264	6473637.022	126	628898.9141	6471691.897
14	631251.6419	6473630.459	127	628885.8135	6471679.555
15	631240.8964	6473623.207	128	628860.8978	6471653.973
16	631229.8478	6473615.631	129	628829.0529	6471619.387
17	631220.3462	6473608.733	130	628812.9887	6471601.619
18	631205.639	6473597.902	131	628792.3516	6471579.626
19	631185.1095	6473582.803	132	628780.8292	6471567.022
20	631168.2592	6473570.333	133	628772.0281	6471557.643
21	631155.9456	6473563.029	134	628733.2625	6471513.739
22	631105.7082	6473535.032	135	628704.7949	6471481.458
23	631040.7203	6473497.456	136	628694.81	6471469.845
24	630999.4504	6473473.519	137	628683.9247	6471456.949
25	630965.2881	6473452.953	138	628667.242	6471438.847
26	630931.1361	6473432.074	139	628626.7248	6471390.81
27	630896.9731	6473411.509	140	628583.4851	6471339.549
28	630838.515	6473375.72	141	628539.0812	6471285.428
29	630798.5696	6473349.635	142	628489.8809	6471224.252
30	630754.3168	6473320.9	143	628420.2725	6471133.88
31	630708.5369	6473290.862	144	628351.7964	6471037.587
32	630659.7034	6473258.215	145	628297.02	6471022.005
33	630612.4579	6473224.994	146	628250.9475	6471009.216
34	630586.9896	6473207.226	147	628133.8619	6470977.811
35	630539.1469	6473173.047	148	628057.9094	6470956.526
36	630509.4119	6473151.377	149	628003.0494	6470943.454
37	630486.1068	6473134.621	150	627956.8937	6470933.174
38	630460.355	6473115.904	151	627835.7942	6470909.172
39	630440.4577	6473100.514	152	627734.7762	6470885.825
40	630422.6936	6473087.077	153	627630.0322	6470861.106
41	630407.6998	6473075.297	154	627539.6811	6470838.111
42	630392.0581	6473064.124	155	627486.1138	6470823.833
43	630373.6972	6473049.726	156	627387.7443	6470796.191
44	630360.533	6473039.574	157	627340.4925	6470780.866
45	630336.6618	6473020.92	158	627270.8289	6470759.173
46	630316.1676	6473004.571	159	627237.8695	6470748.701

<b>Coordinate No.</b>	<b>Easting</b>	<b>Northing</b>	<b>Coordinate No.</b>	<b>Easting</b>	<b>Northing</b>
<b>47</b>	630303.6199	6472994.754	<b>160</b>	627207.4204	6470738.31
<b>48</b>	630286.1995	6472980.387	<b>161</b>	627171.9705	6470727.131
<b>49</b>	630270.2848	6472967.951	<b>162</b>	627069.4663	6470691.21
<b>50</b>	630255.3108	6472955.546	<b>163</b>	626975.079	6470656.809
<b>51</b>	630245.1995	6472948.004	<b>164</b>	626855.341	6470609.677
<b>52</b>	630225.0287	6472931.352	<b>165</b>	626779.0102	6470580.251
<b>53</b>	630204.5644	6472914.065	<b>166</b>	626606.1571	6470504.449
<b>54</b>	630184.0794	6472897.403	<b>167</b>	626476.2818	6470537.902
<b>55</b>	630155.9812	6472873.595	<b>168</b>	626360.4382	6470564.91
<b>56</b>	630136.4472	6472856.652	<b>169</b>	626252.7353	6470592.81
<b>57</b>	630122.403	6472844.591	<b>170</b>	625928.9226	6470659.57
<b>58</b>	630108.9965	6472832.238	<b>171</b>	625720.2071	6470703.066
<b>59</b>	630094.0215	6472819.834	<b>172</b>	625617.3064	6470718.593
<b>60</b>	630080.6249	6472807.168	<b>173</b>	625582.6078	6470723.129
<b>61</b>	630065.6708	6472794.137	<b>174</b>	625488.395	6470742.072
<b>62</b>	630051.0195	6472781.43	<b>175</b>	625422.6848	6470753.773
<b>63</b>	630037.9261	6472769.087	<b>176</b>	625353.7375	6470768.508
<b>64</b>	630021.4447	6472754.753	<b>177</b>	625300.6799	6470777.479
<b>65</b>	630011.4048	6472745.018	<b>178</b>	625190.1325	6470796.535
<b>66</b>	630000.4032	6472735.879	<b>179</b>	625041.7914	6470818.783
<b>67</b>	629991.5763	6472727.439	<b>180</b>	624867.582	6470844.605
<b>68</b>	629975.1256	6472712.165	<b>181</b>	624755.2953	6470859.229
<b>69</b>	629944.3467	6472683.881	<b>182</b>	624641.814	6470871.937
<b>70</b>	629922.4361	6472662.785	<b>183</b>	624515.1149	6470885.483
<b>71</b>	629902.3346	6472643.943	<b>184</b>	624425.6022	6470895.193
<b>72</b>	629887.0962	6472629.963	<b>185</b>	624329.246	6470902.808
<b>73</b>	629872.7989	6472616.014	<b>186</b>	624195.8042	6470911.135
<b>74</b>	629857.8741	6472602.044	<b>187</b>	623989.3078	6470925.316
<b>75</b>	629846.6408	6472590.39	<b>188</b>	623772.8313	6470937.313
<b>76</b>	629835.3765	6472579.675	<b>189</b>	623588.5199	6470945.315
<b>77</b>	629829.0067	6472572.883	<b>190</b>	623516.8592	6470946.828
<b>78</b>	629818.3385	6472563.128	<b>191</b>	623460.2601	6470948.814
<b>79</b>	629808.3183	6472552.768	<b>192</b>	623287.4231	6470951.547
<b>80</b>	629801.3107	6472546.268	<b>193</b>	623179.3441	6470952.552
<b>81</b>	629790.9871	6472535.584	<b>194</b>	623098.9569	6470951.918
<b>82</b>	629778.8124	6472523.899	<b>195</b>	623049.3594	6470950.994
<b>83</b>	629764.5454	6472509.011	<b>196</b>	622983.4647	6470948.934
<b>84</b>	629752.3705	6472497.326	<b>197</b>	622862.2659	6470947.656
<b>85</b>	629738.7201	6472482.772	<b>198</b>	622763.1687	6470942.683
<b>86</b>	629706.838	6472449.75	<b>199</b>	622716.1204	6470940.589
<b>87</b>	629680.1536	6472420.975	<b>200</b>	622664.0517	6470938.338
<b>88</b>	629627.0561	6472364.687	<b>201</b>	622590.0379	6470934.778

<b>Coordinate No.</b>	<b>Easting</b>	<b>Northing</b>	<b>Coordinate No.</b>	<b>Easting</b>	<b>Northing</b>
<b>89</b>	629596.468	6472330.455	<b>202</b>	622514.7097	6470933.059
<b>90</b>	629583.737	6472316.558	<b>203</b>	622432.5568	6470928.622
<b>91</b>	629552.0378	6472277.9	<b>204</b>	622312.7881	6470921.763
<b>92</b>	629538.576	6472267.113	<b>205</b>	622201.2554	6470912.655
<b>93</b>	629483.4422	6472224.864	<b>206</b>	622091.1775	6470917.389
<b>94</b>	629456.2451	6472202.027	<b>207</b>	621981.6697	6470924.026
<b>95</b>	629437.553	6472187.934	<b>208</b>	621893.5961	6470928.194
<b>96</b>	629405.7737	6472161.185	<b>209</b>	621816.8969	6470930.208
<b>97</b>	629382.5096	6472142.867	<b>210</b>	621752.7879	6470931.359
<b>98</b>	629359.2866	6472123.296	<b>211</b>	621545.3036	6470937.486
<b>99</b>	629332.0984	6472100.146	<b>212</b>	621309.4828	6470945.885
<b>100</b>	629311.3433	6472081.91	<b>213</b>	620995.0725	6470936.206
<b>101</b>	629293.3085	6472066.899	<b>214</b>	620643.0073	6470925.398
<b>102</b>	629278.6624	6472053.879	<b>215</b>	620608.4141	6470926.845
<b>103</b>	629264.6437	6472040.88	<b>216</b>	620524.5698	6470916.126
<b>104</b>	629249.9666	6472028.8	<b>217</b>	620381.7714	6470902.35
<b>105</b>	629237.7476	6472018.367	<b>218</b>	620279.669	6470892.959
<b>106</b>	629222.7977	6472005.024	<b>219</b>	620195.138	6470884.106
<b>107</b>	629205.7443	6471988.791	<b>220</b>	620146.8724	6470880.751
<b>108</b>	629178.8784	6471965.339	<b>221</b>	619988.3824	6470866.511
<b>109</b>	629159.387	6471946.832	<b>222</b>	619840.8278	6470843.832
<b>110</b>	629138.9543	6471928.293	<b>223</b>	618240.0752	6472400.197
<b>111</b>	629125.5518	6471915.628	<b>224</b>	626675.3645	6479027.625
<b>112</b>	629113.08	6471903.307	<b>225</b>	626675.5824	6479027.419
<b>113</b>	629098.7568	6471889.984	<b>226</b>	631885.7134	6474025.485