Lasqueti Island (East) Sensitive Ecosystem Mapping Airphoto - 2003 & 2007

Scale: 1:15,000

UTM Projection Zone 10 NAD83

0 0.125 0.25 0.5 0.75 1 Kilometers

Sensitive and Terrestrial Ecosystems Label

6009 CDFmm 8MF:co DS 6 2HB:ro RO 1	**6019** CDFmm 5HB:ro RO 1 4YF DS 5 1WD:co DA 3	**6023** CDFmm 6MF:co DS 6 3WD:co DA 6 1MF:co RF 6	**6028** CDFmm 7NA DS 3 2WD:co DA 6 1HB:hb SC 1	**6036** CDFmm 8HB:ro RO 1 2WD:co DA 5	**6046*** CDFmm 5WD:co DA 6 4NA DS 3 1HB:hb SC 1	**6059** CDFmm 7HB:ro RO 1 3WD:co DA 5	**6073** CDFmm 6MF:co DS 6 3WD:co DA 6 1HB:ro RO 1	**6076** CDFmm 6WD:co DA 5 3YF DS 5 1HB:ro RO 1
6078 CDFmm 6WD:co DA 5 4NA RW 0	**6079** CDFmm 5MF:co DS 6 5MF:co DS 6	**6084** CDFmm 7WD:co DA 6 3HB:ro RO 1	**6086** CDFmm 9MF:co DS 6 1MF:co RF 6	**6092** CDFmm 10MF:co RF 6	**6093** CDFmm 8YF DS 5 1WD:co DA 5 1NA RW 0	**6095** CDFmm 8MF:co DS 6 2WD:co DA 6	**6096** CDFmm 8WD:co DA 6 2HB:ro RO 1	**6097*** CDFmm 4WD:co DA 6 4YF DG 5 2HB:hb SC 1
6098 CDFmm 10WD:co DA 5	**6099** CDFmm 6WD:co DA 5 2YF DS 5 2HB:hb SC 1	**6100** CDFmm 6MF:co DS 6 2WD:co DA 6 2MF:co RF 6	**6102*** CDFmm 5WD:co DA 5 5HB:hb SC 1	**6107** CDFmm 5HB:ro RO 1 4MF:co DS 6 1WD:co DA 6	**6110** CDFmm 9HB:ro RO 1 1WD:co DA 5	**6111** CDFmm 7WD:co DA 5 3HB:hb SC 1	**6116*** CDFmm 6FS CF 2 3WD:co DA 5 1NA RW 0	**6117*** CDFmm 10WN:sp RV 5
6123 CDFmm 10WN:ms Wm05 2	**6125** CDFmm 9MF:co DS 6 1WD:co DA 6	**6129** CDFmm 10OF:co DS 7	**6131** CDFmm 8NA RW 0 2MF:co DS 6	**6134** CDFmm 7WD:co DA 6 2HB:hb SC 1 1MF:co DS 6	**6135** CDFmm 6MF:co DS 6 2WD:co DA 6 2NA RW 0	**6138** CDFmm 5MF:co DS 6 4WD:co DA 6 1HB:hb SC 1	**6143** CDFmm 6HB:ro RO 1 4WD:co DA 5	**6145** CDFmm 6MF:co RF 6 2MF:co DS 6 2NA RW 0
6146 CDFmm 5HB:ro RO 1 5WD:co DA 5	**6148** CDFmm 10WN:sp Ws50 3	**6149** CDFmm 8HB:ro RO 1 2MF:co DS 6	**6150** CDFmm 8HB:ro RO 1 2WD:co DA 5	**6153** CDFmm 7MF:co DS 6 2HB:ro RO 1 1NA RW 0	**6154** CDFmm 8MF:co DS 6 2MF:co RF 6	**6162** CDFmm 6MF:co DS 6 4HB:ro RO 1	**6164** CDFmm 6MF:co DS 6 3WD:co DA 6 1HB:ro RO 1	**6165** CDFmm 7HB:ro RO 1 3WD:co DA 5
6169 CDFmm 4MF:co DS 6 3WD:co DA 6 3HB:ro RO 1	**6171** CDFmm 4MF:co DS 6 4WD:co DA 6 2HB:ro RO 1	**6173** CDFmm 8HB:ro RO 1 2WD:co DA 5	**6175** CDFmm 8HB:ro RO 1 2WD:co DA 5	**6176** CDFmm 8MF:co DS 6 2WD:co DA 6	**6178** CDFmm 4MF:co DS 6 4WD:co DA 5 2NA RW 0	**6180** CDFmm 8HB:ro RO 1 2WD:co DA 5	**6183** CDFmm 4MF:co DS 6 3WD:co DA 6 3NA RW 0	**6185** CDFmm 8HB:ro RO 1 2WD:co DA 5
6186 CDFmm 5HB:ro RO 1 3OF:co DS 7 2WD:co DA 6	**6190** CDFmm 6HB:ro RO 1 3MF:co DS 6 1WD:co DA 6	**6193*** CDFmm 5WN:sp CS 5 4WN:sp RP 5 1NA RW 0	**6196*** CDFmm 10WN:sp Ws50 3	**6198** CDFmm 4MF:co DS 6 4WD:co DA 6 2HB:ro RO 1	**6199** CDFmm 8WD:co DA 6 2HB:hb SC 1	**6202** CDFmm 5MF:co DS 6 5YF DS 5	**6203** CDFmm 5MF:co DS 6 3HB:ro RO 1 2WD:co DA 5	**6204** CDFmm 7MF:co DS 6 3WD:co DA 6
6206 CDFmm 6HB:ro RO 1 3WD:co DA 5 1MF:co DS 6	**6208** CDFmm 5MF:co DS 6 3WD:co DA 6 2CL:cc RO 1	**6211** CDFmm 7MF:co DS 6 3NA DS 4	**6214** CDFmm 4MF:co DS 6 4WD:co DA 5 2NA RW 0	**6219** CDFmm 6MF:co DS 6 4HB:ro RO 1	**6220** CDFmm 5HB:ro RO 1 5WD:co DA 6	**6222*** CDFmm 7WN:sp Ws50 3 3WN:sp CS 5	**6223** CDFmm 9HB:ro RO 1 1WD:co DA 5	**6224** CDFmm 5WN:sp RP 5 4WN:sp RP 5 1NA RW 0
6225 CDFmm 8MF:co DS 6 2WD:co DA 5	**6226** CDFmm 6MF:co DS 6 4HB:ro RO 1	**6229** CDFmm 8WD:co DA 5 2YF DG 5	**6231** CDFmm 7HB:ro RO 1 3WD:co DA 6	**6232** CDFmm 4NA DS 4 3WD:co DA 4 3HB:ro RO 1	**6233** CDFmm 4WD:co DA 5 4YF DS 5 2HB:ro RO 1	**6235*** CDFmm 5WD:co DA 5 3YF DG 5 2YF DS 5	**6236** CDFmm 7HB:ro RO 1 3MF:co DS 6	**6237** CDFmm 5MF:co DS 6 5YF DS 5
6239 CDFmm 4MF:co DS 6 4YF DS 5 2NA RW 0	**6242** CDFmm 6MF:co DS 6 2MF:co RF 6 2WD:co DA 6	**6245** CDFmm 4WD:co DA 6 3HB:ro RO 1 3MF:co DS 6	**6246** CDFmm 4NA DS 4 3NA DS 4 3WN:sp RV 4	**6247** CDFmm 8HB:ro RO 1 2OF:co DS 7	**6248** CDFmm 5HB:ro RO 1 3MF:co DS 6 2WD:co DA 6	**6250** CDFmm 5YF DS 5 3WD:co DA 5 2HB:hb SC 1	**6252** CDFmm 5MF:co DS 6 3WD:co DA 6 2HB:ro RO 1	**6254** CDFmm 4WD:co DA 6 3MF:co DS 6 3HB:ro RO 1
6255 CDFmm 6MF:co RF 6 3NA RF 4 1NA RW 0	**6257** CDFmm 6HB:ro RO 1 3MF:co DS 6 1WD:co DA 6	**6259** CDFmm 7OF:co DA 7 3HB:ro RO 1	**6261** CDFmm 8MF:co DS 6 2WD:co DA 6	**6262** CDFmm 8WD:co DA 5 2YF DG 5	**6263** CDFmm 5MF:co DS 6 3HB:ro RO 1 2WD:co DA 6	**6264** CDFmm 5MF:co DS 6 3WD:co DA 6 2HB:ro RO 1	**6265** CDFmm 10WN:ms Wm05 2	**6266** CDFmm 8WD:co DA 5 2HB:ro RO 1
6268 CDFmm 6WN:ms Wm05 2 4WN:sw OW 0	**6270** CDFmm 5MF:co RF 6 4NA RF 4 1WN:sw OW 0	**6272** CDFmm 4HB:ro RO 1 3MF:co DS 6 3WD:co DA 6	**6273** CDFmm 10WN:ms Wm05 2	**6275** CDFmm 8HB:ro RO 1 2OF:co DA 7	**6276** CDFmm 10WN:ms Wm05 2	**6277** CDFmm 4MF:co DS 6 4WD:co DA 6 2HB:ro RO 1	**6278** CDFmm 4MF:co DS 6 3WD:co DA 6 3HB:ro RO 1	**6280** CDFmm 8HB:ro RO 1 2OF:co DA 7
6281 CDFmm 10FW:la LA 0	**6282** CDFmm 6YF DG 5 4WD:co DA 5	**6283** CDFmm 6MF:co DS 6 3YF DS 5 1WN:sp RV 5	**6285** CDFmm 7MF:co DS 6 2WD:co DA 6 1CL:cc RO 1	**6286** CDFmm 5MF:co DS 6 5YF DS 5	**6288** CDFmm 4WD:co DA 6 3MF:co DS 6 3HB:ro RO 1	**6290** CDFmm 6YF DS 5 2WD:co DA 5 2HB:ro RO 1	**6293** CDFmm 4YF DS 5 3WD:co DA 5 3HB:ro RO 1	**6294** CDFmm 8HB:ro RO 1 2OF:co DS 7
6295 CDFmm 5NA RW 0 5MF:co DS 6	**6299** CDFmm 8MF:co DS 6 2WD:co DA 6	**6301** CDFmm 7MF:co DS 6 2WD:co DA 6 1HB:ro RO 1	**6302** CDFmm 5MF:co DS 6 5WD:co DA 5	**6304** CDFmm 4HB:ro RO 1 3WD:co DA 6 3MF:co DS 6	**6305** CDFmm 5NA RW 0 4NA DS 4 1WN:sp Ws50 3	**6306** CDFmm 6WN:ms Wm05 2 2NA RW 0 2WN:bg LS 3	**6309** CDFmm 8YF DS 5 2MF:co DS 6	**6315** CDFmm 7MF:co DS 6 3HB:ro RO 1
6317 CDFmm 5MF:co DS 6 3WD:co DA 6 2HB:ro RO 1	**6318** CDFmm 8HB:ro RO 1 2WD:co DA 5	**6321** CDFmm 8HB:ro RO 1 2WD:co DA 6	**6322** CDFmm 4HB:ro RO 1 4MF:co DS 6 2WD:co DA 6	**6323** CDFmm 6FS CF 2 3MF:co RF 6 1NA RW 0	**6326** CDFmm 4HB:ro RO 1 4WD:co DA 6 2MF:co DS 6	**6328** CDFmm 8MF:co DS 6 2HB:ro RO 1	**6329** CDFmm 10MF:co DS 6	**6330** CDFmm 8HB:ro RO 1 2WD:co DA 6
6333 CDFmm 8MF:co DS 6 2HB:ro RO 1	**6335** CDFmm 5NA RW 0 5WD:co DA 6	**6336** CDFmm 9HB:ro RO 1 1WD:co DA 5	**6338** CDFmm 8MF:co DS 6 2HB:ro RO 1	**6339*** CDFmm 5YF DS 5 5MF:co DS 6	**6340** CDFmm 7MF:co DS 6 2HB:ro RO 1 1WD:co DA 6	**6341** CDFmm 4NA DS 3 3MF:co DS 6 3YF DS 5	**6342** CDFmm 8MF:co DS 6 2HB:ro RO 1	**6344** CDFmm 5HB:ro RO 1 5WD:co DA 5
6345 CDFmm 10FW:la LA 0	**6347** CDFmm 4MF:co DS 6 3WD:co DA 6 3HB:ro RO 1	**6348*** CDFmm 7FS CF 2 3WN:sp CS 3	**6349** CDFmm 10OF:co DS 7	**6354** CDFmm 4MF:co DS 6 3MF:co DS 6 3WD:co DA 6	**6357** CDFmm 5MF:co DS 6 3MF:co RF 6 2NA RF 3	**6358** CDFmm 8MF:co DS 6 2WD:co DA 6	**6360*** CDFmm 4OF:co DG 7 3OF:co RK 7 3WD:co DA 5	**6361** CDFmm 7OF:co DA 7 3OF:co DS 7
6363 CDFmm 6HB:ro RO 1 4WD:co DA 5	**6364** CDFmm 7MF:co DS 6 3WD:co DA 6	**6367** CDFmm 4WD:co DA 5 3MF:co DS 6 3NA DS 3	**6368** CDFmm 7HB:ro RO 1 3MF:co DS 6	**6369** CDFmm 6MF:co DS 6 2WD:co DA 5 2HB:ro RO 1	**6370*** CDFmm 7OF:co DA 7 3HB:ro RO 1	**6371** CDFmm 6WD:co DA 6 2MF:co DS 6 2HB:ro RO 1	**6373*** CDFmm 6WN:sp Ws50 2 2FW:pd PD 0 2NA RW 0	**6375** CDFmm 8WD DA 6 1WN:sp Ws50 3 1HB:ro RO 1
6376 CDFmm 6OF:co DG 7 4OF:co DS 7	**6379** CDFmm 6YF DS 5 4WD:co DA 5	**6383** CDFmm 4MF:co DS 6 3WD:co DA 6 3HB:ro RO 1	**6385** CDFmm 5HB:ro RO 1 5WD:co DA 6	**6386** CDFmm 4WD:co DA 5 3YF DS 5 3HB:ro RO 1	**6387** CDFmm 5OF:co DS 7 5OF:co DG 7	**6389** CDFmm 5HB:ro RO 1 4WD:co DA 6 1MF:co DS 6	**6390** CDFmm 6YF DS 5 3MF:co DS 6 1NA RW 0	**6392** CDFmm 7HB:ro RO 1 3WD:co DA 5
6393 CDFmm 7HB:ro RO 1 3WD:co DA 5	**6398** CDFmm 10WN:sp Ws50 3	**6401** CDFmm 10WD:co DA 5	**6402** CDFmm 10WN:sp Ws50 3	**6403** CDFmm 10FW:la LA 0	**6404** CDFmm 7HB:ro RO 1 3WD:co DA 5	**6405** CDFmm 9MF:co DG 6 1HB:hb SC 1	**6406** CDFmm 10MF:co DS 6	**6407** CDFmm 5WD:co DA 6 3HB:ro RO 1 2MF:co DS 6
6408 CDFmm 5HB:ro RO 1 5MF:co DS 6	**6410*** CDFmm 10WN:ms Wm05 2	**6411*** CDFmm 5OF:co DA 7 3NA DS 4 2HB:ro RO 1	**6412** CDFmm 4HB:ro RO 1 4WD:co DA 6 2MF:co DS 6	**6414** CDFmm 5MF:co DS 6 4WD:co DA 6 1HB:ro RO 1	**6415** CDFmm 5MF:co RF 6 3WN:sp RP 5 2WN:sp CS 5	**6416** CDFmm 5NA RF 4 5MF:co RF 6	**6417** CDFmm 4NA RF 4 4MF:co RF 6 2WN:sp RP 6	**6418** CDFmm 5MF:co DS 6 3WD:co DA 6 2HB:ro RO 1
6421 CDFmm 5MF:co DS 6 3NA DS 3 2WD:co DA 5	**6422** CDFmm 7WD:co DA 6 3HB:ro RO 1	**6423** CDFmm 4MF:co DS 6 3NA RW 0 3NA DS 3	**6424** CDFmm 8YF DS 5 1NA RW 0 1MF:co DS 6	**6425** CDFmm 4YF RF 5 3FS CF 2 3WN:sp RP 6	**6426** CDFmm 7NA RW 0 3MF:co DS 6	**6427** CDFmm 5OF:co DS 7 3NA DS 3 2OF:co DA 7	**6429** CDFmm 5MF:co DS 6 3WD:co DA 6 2HB:ro RO 1	**6430** CDFmm 8HB:ro RO 1 2WD:co DA 4
6431 CDFmm 5MF:co DG 6 5YF DS 5	**6432** CDFmm 6WD:co DA 6 3MF:co DS 6 1HB:ro RO 1	**6433** CDFmm 5WN:sp Ws50 3 3NA RW 0 2WN:sp CS 5	**6434*** CDFmm 6YF RF 5 4WN:sp RP 5	**6436** CDFmm 6HB:ro RO 1 4WD:co DA 6	**6437*** CDFmm 10WN:bg Wb50 2	**6439** CDFmm 7HB:ro RO 1 3WD:co DA 5	**6440** CDFmm 8WN:sp Ws50 3 2NA RW 0	**6441** CDFmm 4OF:co DS 7 3OF:co DG 7 3OF:co DA 7
6442 CDFmm 6WN:sw OW 0 4WN:ms Wm05 2	**6444*** CDFmm 7MF:co DG 6 2HB:hb SC 1 1WD:co DA 5	**6446** CDFmm 10WN:sp Ws50 3	**6447** CDFmm 7MF:co DS 6 2WD:co DA 6 1HB:hb SC 1	**6448** CDFmm 6WN:sp Ws50 3 4WN:sw OW 0	**6449** CDFmm 6MF:co DS 6 3WD:co DA 6 1HB:ro RO 1	**6450** CDFmm 10WN:sp Ws50 3	**6451** CDFmm 6MF:co DS 6 3MF:co RF 6 1WN:sp CS 6	**6452** CDFmm 6OF:co DS 7 3OF:co DA 7 1NA RW 0
6453 CDFmm 5HB:ro RO 1 4WD:co DA 6 1WD:co DA 5	**6454** CDFmm 5WD:co DA 6 4MF:co DS 6 1HB:ro RO 1	**6456** CDFmm 7MF:co DS 6 3WD:co DA 6	**6458*** CDFmm 10WN:sp CS 2	**6459** CDFmm 4MF:co DS 6 4WD:co DA 6 2HB:hb SC 1	**6461** CDFmm 5HB:ro RO 1 5WD:co DA 5	**6462** CDFmm 8MF:co DS 6 2MF:co DS 6	**6464** CDFmm 6OF:co DA 7 4HB:ro RO 1	**6465** CDFmm 4HB:ro RO 1 4OF:co DA 7 2OF:co DS 7
6466* CDFmm 6MF:co RF 6 2YF RF 5 2NA RW 0	**6467** CDFmm 5MF:co DS 6 3WN:sp RP 6 2WN:sp CS 6	**6470** CDFmm 5WD:co DA 6 4MF:co DS 6 1NA RW 0	**6471** CDFmm 10WN:sp Ws50 3	**6472** CDFmm 6HB:ro RO 1 2WD:co DA 6 2MF:co DS 6	**6473*** CDFmm 10WN:sw OW 0	**6474** CDFmm 8HB:ro RO 1 2WD:co DA 5	**6475*** CDFmm 5MF:co DG 6 4MF:co RF 6 1WN:sp RP 6	**6476** CDFmm 10WN:sp Ws50 3
6477 CDFmm 4MF:co DS 6 3MF:co DS 6 3MF:co RF 6	**6478** CDFmm 7OF:co DS 7 3OF:co DA 7	**6479** CDFmm 8MF:co DS 6 2NA DS 3	**6480*** CDFmm 10MF:co DG 6	**6481** CDFmm 10MF:co DG 6	**6482** CDFmm 8MF:co RF 6 2NA RW 0	**6484** CDFmm 5MF:co DS 6 3WD:co DA 6 2HB:ro RO 1	**6485** CDFmm 4WN:sp Ws50 3 3WN:bg LS 3 3WN:sw OW 0	**6486** CDFmm 4MF:co DS 6 4WD:co DA 6 2HB:ro RO 1
6488 CDFmm 5MF:co DS 6 4WD:co DA 6 1HB:hb SC 1	**6490** CDFmm 5WN:sp Ws50 3 5WN:sp CS 5	**6491** CDFmm 6HB:ro RO 1 4OF:co DA 7	**6492** CDFmm 7MF:co DS 6 3HB:ro RO 1	**6494** CDFmm 6YF DS 5 2WD:co DA 5 2WN:sp RP 5	**6495** CDFmm 5WN:sp Ws50 3 5WN:sw OW 0	**6496** CDFmm 8OF:co DS 7 2OF:co RF 7	**6497** CDFmm 8MF:co DS 6 2WD:co DA 6	**6498** CDFmm 4YF DS 5 4WD:co DA 5 2WN:sp RP 5
6499 CDFmm 6OF:co DA 7 3OF:co DS 7 1HB:ro RO 1	**6500** CDFmm 5HB:ro RO 1 5WD:co DA 5	**6501** CDFmm 8OF:co DS 7 2OF:co DG 7	**6503** CDFmm 7OF:co DA 7 3HB:ro RO 1	**6504** CDFmm 9MF:co DS 6 1HB:hb SC 1	**6506** CDFmm 5MF:co DS 6 3WD:co DA 6 2HB:ro RO 1	**6507*** CDFmm 5MF:co DG 6 4MF:co RF 6 1WN:sp RP 6	**6508** CDFmm 10MF:co RF 6	**6509** CDFmm 7MF:co DS 6 2WD:co DA 6 1HB:ro RO 1
6510 CDFmm 6OF:co DS 7 3OF:co DA 7 1HB:ro RO 1	**6513** CDFmm 8HB:ro RO 1 2WD:co DA 5	**6514** CDFmm 8WD:co DA 5 2MF:co DS 6	**6515** CDFmm 5WN:sp CS 5 3NA RW 0 2WN:sp Ws50 3	**6517** CDFmm 7WN:sp RP 5 3WN:sp CS 5	**6519** CDFmm 7MF:co DS 6 2NA RW 0 1WN:sp RP 5	**6520** CDFmm 5NA RW 0 5MF:co DS 6	**6522** CDFmm 8WD:co DA 5 2NA RW 0	**6524** CDFmm 5YF DS 5 5WD:co DA 5
6526 CDFmm 6MF:co DS 6 2WD:co DA 6 2HB:ro RO 1	**6528** CDFmm 7MF:co DS 6 3NA DS 3	**6529** CDFmm 6MF:co DS 6 4WD:co DA 6	**6530** CDFmm 6WD:co DA 5 4HB:ro RO 1	**6531** CDFmm 5WN:sw OW 0 5FS CF 2	**6532** CDFmm 6WD:co DA 5 2YF DS 5 2HB:ro RO 1	**6533** CDFmm 6MF:co DS 6 4MF:co DG 6	**6534** CDFmm 8WN:sp RP 6 2WN:sp Ws50 3	**6535*** CDFmm 4WD:co DA 6 4YF DG 5 2MF:co DS 6
6537 CDFmm 8MF:co DS 6 2YF DS 5	**6539** CDFmm 4MF:co DS 6 3MF:co DG 6 3NA RW 0	**6540** CDFmm 7WN:sp RP 4 2WN:sp RP 3 1WN:sp Ws51 3	**6541** CDFmm 8WD:co DA 5 2HB:ro RO 1	**6543** CDFmm 6MF:co DS 6 4WD:co DA 6	**6544*** CDFmm 7WD:co DA 6 2HB:hb SC 1 1MF:co DS 6	**6547** CDFmm 9MF:co DS 6 1HB:ro RO 1	**6548** CDFmm 9HB:ro RO 1 1WD:co DA 5	**6549** CDFmm 4MF:co DS 6 4MF:co DG 6 2NA RW 0
6550 CDFmm 7MF:co DS 6 2WD:co DA 6 1HB:ro RO 1	**6551** CDFmm 5HB:ro RO 1 5MF:co DS 6	**6553** CDFmm 6MF:co DS 6 2NA DS 3 2WN:sp CS 3	**6554*** CDFmm 7WD:co DA 6 3YF DG 5	**6556** CDFmm 6WD:co DA 6 4HB:ro RO 1	**6558** CDFmm 4WD:co DA 6 3MF:co DS 6 3HB:hb SC 1	**6564** CDFmm 5MF:co DS 6 4WD:co DA 5 1NA RW 0	**6565** CDFmm 6MF:co RF 6 2WN:sp RP 4 2NA RW 0	**6566** CDFmm 8NA RW 0 2WD:co DA 6
6567 CDFmm 5WD:co DA 5 4MF:co DS 6 1HB:ro RO 1	**6568** CDFmm 5WN:sp RP 6 5YF DS 5	**6569** CDFmm 7HB:ro RO 1 3WD:co DA 6	**6570** CDFmm 10WN:sw OW 0	**6571** CDFmm 6MF:co DS 6 3YF DS 5 1NA DS 3	**6573** CDFmm 4WD:co DA 4 3WD:co DA 5 3HB:ro RO 1	**6575** CDFmm 5HB:ro RO 1 5WD:co DA 5	**6576** CDFmm 6MF:co DS 6 4WD:co DA 6	**6577** CDFmm 6WD:co DA 5 2YF DS 5 2HB:ro RO 1
6578 CDFmm 5YF DS 5 3MF:co DS 6 2MF:co DG 6	**6579** CDFmm 8YF DS 5 2MF:co DS 6	**6581** CDFmm 8WD:co DA 5 2HB:ro RO 1	**6583** CDFmm 5WN:sp RP 5 3WN:sp CS 5 2WN:sp RP 4	**6584** CDFmm 10MF:co DS 6	**6585** CDFmm 5MF:co DS 6 4HB:ro RO 1 1WD:co DA 6	**6586** CDFmm 6WD:co DA 5 2MF:co DS 6 2HB:ro RO 1	**6587** CDFmm 7WD:co DA 6 3MF:co DS 6	**6588** CDFmm 6WD:co DA 6 4HB:ro RO 1
6589 CDFmm 8MF:co DS 6 2YF DS 5	**6590** CDFmm 5MF:co DS 6 4HB:ro RO 1 1WD:co DA 6	**6591** CDFmm 8HB:ro RO 1 2WD:co DA 5	**6592** CDFmm 7MF:co DS 6 3WD:co DA 6	**6593** CDFmm 6WD:co DA 6 3WD:co DA 6 1HB:ro RO 1	**6594** CDFmm 5HB:ro RO 1 5WD:co DA 5	**6595** CDFmm 8WD:co DA 6 2HB:ro RO 1	**6605** CDFmm 7YF DS 5 3WD:co DA 5	**6611** CDFmm 4MF:co RF 6 4YF RF 5 2WN:sp CS 5
6622 CDFmm 7HB:ro RO 1 3OF:co DA 7	**6623** CDFmm 6HB:ro RO 1 4OF:co DA 7	**6624** CDFmm 8FS CF 2 2WN:sw OW 0	**6625** CDFmm 8YF DS 5 2MF:co DS 6	**6626** CDFmm 5MF:co DS 6 5WD:co DA 6	**6627** CDFmm 6MF:co DS 6 2WD:co DA 6 2NA RW 0	**6629** CDFmm 8WN:bg LS 3 2WN:sp Ws50 3	**6630** CDFmm 4OF:co DG 7 3OF:co DS 7 3NA RW 0	**6631** CDFmm 8YF DS 5 2WD:co DA 5
6633 CDFmm 6OF:co DA 7 4HB:ro RO 1	**6635** CDFmm 8WD:co DA 6 2MF:co DS 6	**6636** CDFmm 5YF DS 5 3WD:co DA 5 2WN:sp RP 5	**6637** CDFmm 5OF:co DS 7 5OF:co DA 7	**6638*** CDFmm 10OF:co RF 7	**6639*** CDFmm 6OF:co DG 7 3OF:co DS 7 1OF:co DA 7	**6640*** CDFmm 7MF:co DG 6 3MF:co DS 6	**6641** CDFmm 8HB:ro RO 1 2WD:co DA 5	**6642** CDFmm 7HB:ro RO 1 3WD:co DA 5
6643 CDFmm 9FW:la LA 0 1WN:sp Ws51 3	**6645** CDFmm 5MF:co DS 6 4MF:co RF 6 1MF:co RF 6	**6647** CDFmm 7YF DS 5 2YF DS 5 1WN:sp Ws51 3	**6648** CDFmm 5HB:ro RO 1 5MF:co DS 6	**6649** CDFmm 6MF:co DS 6 2MF:co DG 6 2WD:co DA 6	**6650** CDFmm 5HB:ro RO 1 5WD:co DA 5	**6651** CDFmm 8MF:co DS 6 2NA DS 4	**6652** CDFmm 7NA RW 0 2WN:sp RP 5 1WN:sw OW 0	**6653** CDFmm 10WD:co DA 6
6655 CDFmm 5MF:co RF 6 4WN:sp RP 5 1NA RW 0	**6659** CDFmm 4YF DS 5 3WD:co DA 5 3HB:ro RO 1	**6660** CDFmm 7MF:co DS 6 3WD:co DA 6	**6661** CDFmm 7MF:co DS 6 3HB:ro RO 1	**7148** CDFmm 8HB:ro RO 1 2WD:mx DA 5				

What is a Sensitive Ecosystem?

For the purpose of this study, an *ecosystem* is considered to be a portion of the landscape with relatively uniform dominant vegetation.

Sensitive ecosystems are those which are fragile and/or rare, or those ecosystems which are ecologically important because of the diversity of species they support.

Rationale

Intense development pressure fueled by population and economic growth has fragmented and degraded many terrestrial ecosystems. A high proportion of these ecosystems are now designated as 'at risk' in BC. Sensitive ecosystems typically have high biological diversity and are a vital part of the landscape. They provide ecosystem services for a healthy economy and for social well being. They regulate climate, clean water, generate and clean soils, recycle nutrients and pollinate our crops. To protect these areas, sensitive ecosystems must be located, identified and mapped. From 1993 to 1999 the Provincial and Federal Governments completed a Sensitive Ecosystems Inventory of East Vancouver Island and the Gulf Islands. This mapping product is an updated version of that product.

Purpose

The purpose of this Sensitive Ecosystems map is to identify the location of sensitive ecosystems. The goal of this mapping exercise is to encourage informed land use decisions that will conserve sensitive ecosystems. This map and the accompanying data provide site-specific ecological information that can be used to flag sites of conservation concern, to promote land stewardship and to prompt detailed field surveys and consideration of ecological values before changes to the land are initiated.

Methodology

Mapping methods are based on the Resource Information Standards Committee (RISC) Standard for Terrestrial Ecosystem Mapping (TEM) in BC. This Sensitive Ecosystems map was themed from the TEM data using the RISC Standard for Mapping Ecosystems at Risk in BC. Field survey protocols followed Describing Terrestrial Ecosystems in the Field (RISC 1998).

Data Limitations

The Sensitive Ecosystems map is a tool to alert decision makers to the existence of sensitive ecosystems. However, **when land-use changes are proposed, detailed on-the-ground site assessments are necessary**. For sites that were not field checked, the accuracy of the data depends heavily on the expertise, local knowledge, and professional judgment of the mapper and the quality and quantity of available source data. Because the area is changing rapidly, reference to the data set(s) used as the information source is advised.

Due to the mapping scale of the aerial photographs, the minimum polygon size is generally ½ hectare. Enlargement of the data beyond the source scale may result in unacceptable distortion and faulty registration with other data sets.

What can be done to protect the sensitive ecosystems?

Direct and indirect impacts to these ecosystems can be avoided by:

- Retaining or creating vegetated buffers around sensitive ecosystems to isolate them from outside disturbances;
- Controlling land and water access to fragile ecosystems;
- Controlling invasive species;
- Allowing natural disturbances to occur;
- Maintaining water quality

If development must occur, develop carefully!

Conduct an ecological inventory to identify the existing flora and fauna and to locate any threatened or endangered plant and animal species, plant communities, and habitat features needing protection.

Plan and implement all development activities in a manner that will not adversely affect or disturb the sensitive ecosystem. Consult a qualified professional to interpret the ecological inventory data and work to incorporate designs that maintain the functions and values of the natural ecosystem.

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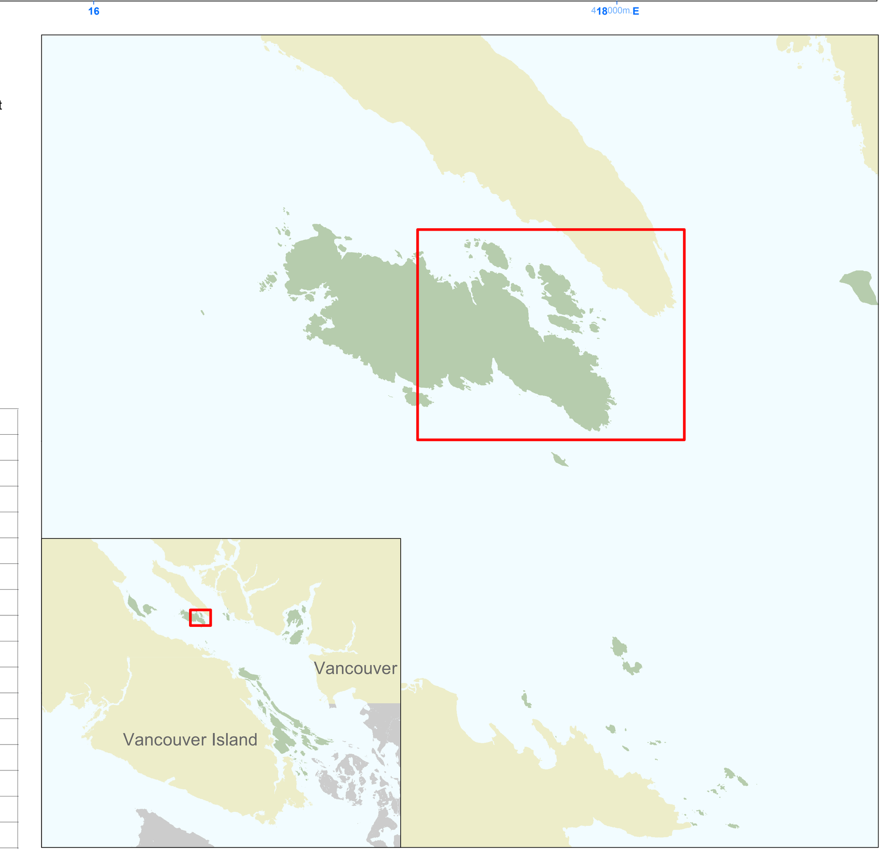
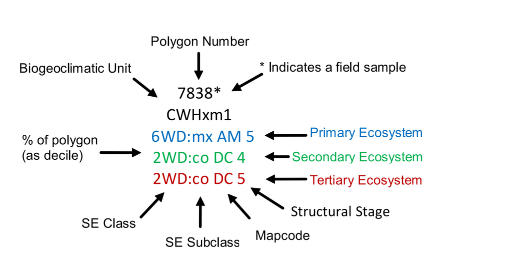


Sensitive and Terrestrial Ecosystems Label



The example label above indicates the SEM and TEM attributes mapped for polygon 7838. The polygon occurs in the Coast Western Hemlock Eastern Very Dry Maritime variant; 60% of the polygon is WD:mx - Woodland: mixed conifer and broadleaf (Primary Ecosystem), map code AM - Arbutus - Hairy manzanita, structural stage 5. The remaining 40% of the polygon is WD:co - Woodland: conifer dominated, map code DC - Douglas-fir - Western hemlock – Cladina (Secondary and Tertiary Ecosystems). Of this 40%, 20% is structural stage 4 and 20% is structural stage 5.

Structural Stage & Biogeoclimatic Units

Structural Stage	Description
0	No Structural Stage (usually rock or open water)
1	Sparse/bryoid
2	Herb
3	Shrub/Herb
4	Pole/Sapling
5	Young Forest
6	Mature Forest
7	Old Forest
Biogeoclimatic Units	**Description**
CDFmm	Coastal Douglas-fir Moist Maritime Subzone

Terrestrial Ecosystem Map Codes and Site Unit Names

Map Code	Site Unit Name	Map Code	Site Unit Name	Map Code	Site Unit Name	Map Code	Site Unit Name
CDFmm - Forested		CDFmm - Non-Forested		CDFmm - Non-Forested		Anthropogenic	
AS	Aspen - Slough sedge	Ed01	Tufted hairgrass - Meadow barley estuarine meadow	Wf51	Sitka sedge - Peat moss fen	RE	Reservoir
CS	Western redcedar - Slough sedge	Em02	Glasswort - Sea-milkwort estuarine marsh	Wf52	Sweet gale - Sitka sedge fen	RW	Rural residential
CW	Black cottonwood - willow	Em03	Seashore saltgrass	Wf53	Slender sedge - White beak-rush fen	RZ	Road surface
DA	Douglas-fir - Shore Pine - Arbutus	Em05	Lyngbye's sedge estuarine marsh	Wm05	Cattail marsh	UR	Urban
DG	Douglas-fir - Grand Fir - Oregon Grape	FC	Fescue - Camas	Wm50	Sitka sedge - Hemlock-parsley marsh	Map Code	Site Unit Name
DO	Douglas-fir - Oniongrass	HL	Hardhack - Labrador tea	Ws50	Pink spirea - Sitka sedge swamp	Sparsely Vegetated	
DS	Douglas-fir - Salal	LM	Dunegrass - Beach pea	Ws51	Sitka willow - Pacific willow - Skunk cabbage swamp	BE	Beach
GO	Garry oak - Oceanspray	OM	Garry oak - moss	Map Code	Site Unit Name	CL	Cliff
LS	Shore pine - Sphagnum	OR	Oceanspray - rose	Anthropogenic		LA	Lake
RC	Western redcedar - Skunk cabbage	QB	Garry oak - Brome (or mixed grasses)	CF	Cultivated field	MU	Mudflat
RF	Western redcedar - Grand fir - Foamflower	RA	Nootka rose - Pacific crab apple	CO	Cultivated orchard	OW	Open water (< 2m deep)
RK	Western redcedar - Douglas-fir - Oregon beaked moss	SC	Cladina - Wallace's selaginella	ES	Exposed soil	PD	Pond (> 2m deep)
RP	Western redcedar - Indian-plum	SL	Sedge - Western lilaeopsis	GC	Golf course	RI	River
RS	Western redcedar - Snowberry	SS	Spirea - Sedge wetland	GP	Gravel pit	RO	Rock outcrop
RV	Western redcedar - Vanilla-leaf	Wb50	Labrador tea - Bog laurel - Peat-moss bog	IN	Industrial		

Sensitive Ecosystems

Sensitive ecosystems are fragile and/or rare, or are ecologically important because of the diversity of species they support.

Old Forest (OF): Primary Ecosystem Secondary Tertiary

Definition: Conifer-dominated dry to moist forest types, structural stage 7, generally >250yrs.

Importance: Due to the lack of disturbance, old forest ecosystems are often associated with rich communities of plants and animals that may be dependent upon the unique environmental conditions created by these forests.

Subclasses:
- **co** (conifer-dominated) - greater than 75% coniferous species
- **mx** (mixed conifer and deciduous) - forests dominated with a mixture of coniferous and broadleaf trees (<75% coniferous and >25% broadleaf)
- **bd** (broadleaf) - dominated by large old broadleaf trees.

Woodland (WD): Primary Ecosystem Secondary Tertiary

Definition: Dry open forests, generally between 10 and 30% tree cover, can be conifer-dominated or mixed conifer and arbutus stands; because of open canopy, will include non-forested openings, often with shallow soils and bedrock outcroppings.

Importance: Woodlands are nationally, provincially and regionally rare and highly fragmented . A rich assemblage of plants, insects, reptiles and birds are drawn to these ecosystems due to the food sources, habitat and proximity to the ocean. Garry oak woodlands, for example support the highest plant species diversity of any terrestrial ecosystem in British Columbia and are especially vulnerable to rural development.

Subclasses:
- **bd** (broadleaf) - dominant broadleaf with <15% coniferous species
- **mx** (mixed conifer and deciduous) - mixed conifer and broadleaf with a minimum of 25% cover of either group is included in the total tree cover

Herbaceous (HB): Primary Ecosystem Secondary Tertiary

Definition: Non-forested ecosystems (less than 10% tree cover), generally with shallow soils. They include bedrock outcroppings, large openings within forested areas, spits, dunes and shorelines vegetetated with grasses and herbs.

Importance: Terrestrial Herbaceous ecosystems are characterized by thin soils which are easily disturbed. Herbaceous plants can be easily trampled or dislodged onto bare rock where they cannot re-establish. Thus they are highly vulnerable to a range of human disturbance factors including residential development and various recreational uses.

Subclasses:
- **hb** (herbaceous) - non-forested, less than 10% tree cover, generally shallow soils, often with exposed bedrock, predominantly a mix of grasses and forbs, also lichens and mosses
- **cs** (coastal herbaceous) - rocky shoreline or islet, influenced by the marine environment and characterized by less than 20% vegetation cover of grasses herbs, mosses and lichens.
- **sp** (spit) - finger-like extension of beach, comprised of sand or gravel deposited by longshore drifting; low to moderate cover of salt-tolerant grasses and herbs
- **du** (dunes) - ridge or hill, or beach area created by windblown sand; may be more or less vegetated depending on depositional activity, beach dunes will have low cover of salt-tolerant grasses and herbs
- **sh** (shrub) - >20% of total vegetation cover is shrub cover, with grasses and herbs
- **ro** (rock) - rock outcrops not dominated by shrubs

Wetland (WN): Primary Ecosystem Secondary Tertiary

Definition: Areas that are saturated or inundated with water for long enough periods of time to develop vegetation and biological activity adapted to wet environments. This may result from flooding, fluctuating water tables, tidal influences or poor drainage conditions.

Importance: Wetland ecosystems are sensitive and important because they exhibit rarity, high biodiversity, fragility, specialized habitat, specialized functions and connectivity.

Subclasses:
- **bg** (bog) - nutrient poor wetland, on organic soils (sphagnum peat), water source predominantly from precipitation; may be treed or shrub dominated
- **fn** (fen) - nutrient medium wetland (sedge peat) where ground water inflow is the dominant water source, open water channels common; dominated by sedges, grasses and mosses
- **ms** (marsh) - wetland with fluctuating water table, often with shallow surface water, usually organically enriched mineral soils; dominated by rushes, reeds, grasses and sedges
- **sp** (swamp) - poor to very rich wetland on mineral soils or with an organic layer over mineral soil, with gently flowing or seasonally flooding water table; woody vegetation
- **sw** (shallow water) - standing or flowing water less than 2m deep, transition between deep water bodies and other wetland ecosystems (i.e. bogs, swamps, fens, etc.); often with vegetation rooted below the water surface
- **wm** (wet meadow) - periodically saturated but not inundated with water, organically enriched mineral soils; grasses, sedges, rushes and forbs dominate

Cliff (CL): Primary Ecosystem Secondary Tertiary

Definition: Very steep slope, often exposed bedrock, may include steep-sided sand bluffs.

Importance: Open ledges and horizontal fissures on cliffs are known to provide nesting sites. Cliff crevices are used for roosting bats while deep crevices are used for shelter and overwintering of snakes and lizards.

Subclasses:
- **cc** (coastal cliffs) - cliffs with a marine influence, generally near vertical bedrock with accumulation of soil limited to fissures and ledges.
- **ic** (inland cliffs) - inland cliffs: typically formed as a result of erosion, catastrophic failures or mass wastage. Generally characterized by rapid drainage and the accumulation of soil that is limited to bedrock fissures and ledges

Freshwater (FW): Primary Ecosystem Secondary Tertiary

Definition: Freshwater ecosystem includes bodies of water such as lakes and ponds that usually lack floating vegetation.

Importance: Freshwater ecosystems are home to numerous organisms such as, fish, amphibians, aquatic plants, and invertebrates.

Subclasses: Lakes and ponds play a vital role in the lifecycle of many species.
- **la** (lake) - a naturally occurring static body of water, greater than 2m deep in some portion.
- **pd** (pond) - a small body of water greater than 2m deep, but not large enough to be classified as a lake

Rare Ecosystems

Other important ecosystems have high biodiversity values.

Mature Forest (MF): Primary Ecosystem Secondary Tertiary

Definition: Usually conifer-dominated, occasionally deciduous, dry to moist forest types, structural stage 6, generally >80yrs.

Importance:
- ***Future older forests*** Within 20 years, many Mature Forests that were logged early this century will become Older Forests. The biodiversity values of Mature Forests generally become higher with age. This means it will be able to sustain more and larger species of plants and animals.
- ***Landscape connectivity*** Mature Forest stands provide connections between other natural areas that promote the movement and dispersal of many forest-dwelling species across the landscape.
- ***Buffers*** Mature Forest can minimize disturbance to sensitive ecosystems that occur within or adjacent to the forest patch. Where they border or surround wetlands, patches of older forest or other sensitive ecosystems, the Mature Forest area serves an important role in buffering the adjacent sensitive areas.

Subclasses:
- **co** (conifer dominated) - greater than 75% coniferous species
- **mx** (mixed conifer and deciduous) - a minimum of 25% cover of either group is included in the total tree cover

Other Mapped Ecosystems

Young Forest (YF):

Definition: Limited to areas of young forest dispersed amongst sensitive and important ecosystems. Forest is 40 - 80 yrs old depending on species and ecological conditions; canopy has begun to differentiate.

Seasonally Flooded Agricultural Fields (FS):

Definition: Limited to areas of annually flooded cultivated fields or hay fields dispersed amongst sensitive and important ecosystems.

Non-Sensitive (NA):

Definition: Limited to areas of disturbance or human impact dispersed amongst sensitive and important ecosystems.

Ecosystem Map Symbols

Ecosystem composition is complex and often contains a dominant ecosystem with secondary and tertiary ecosystems. In this map the dominant ecosystem has a solid shading and the secondary and tertiary ecosystems are identified by cross-hatched lines.

Example of a primary sensitive Woodland ecosystem with a secondary sensitive Herbaceous ecosystem

Occassionally sensitive ecosystems will mix with non-sensitive ecosystems. In this map a sensitive ecosystem mixed with non-sensitive is identified by cross-hatched lines with solid white shading.

Example of a secondary sensitive Herbaceous and tertiary sensitive Woodland ecosystems mixed with a non-sensitive primary ecosystem

Sensitive ecosystems can also mix with important ecosystems. In this map a sensitive ecosystem mixed with an important ecosystem is identified by cross-hatched lines with solid green shading.

Example of a tertiary sensitive Herbaceous ecosystem mixed with a primary important Mature Forest ecosystem