

FIGURE 19
Position of the verification points and of some observation points

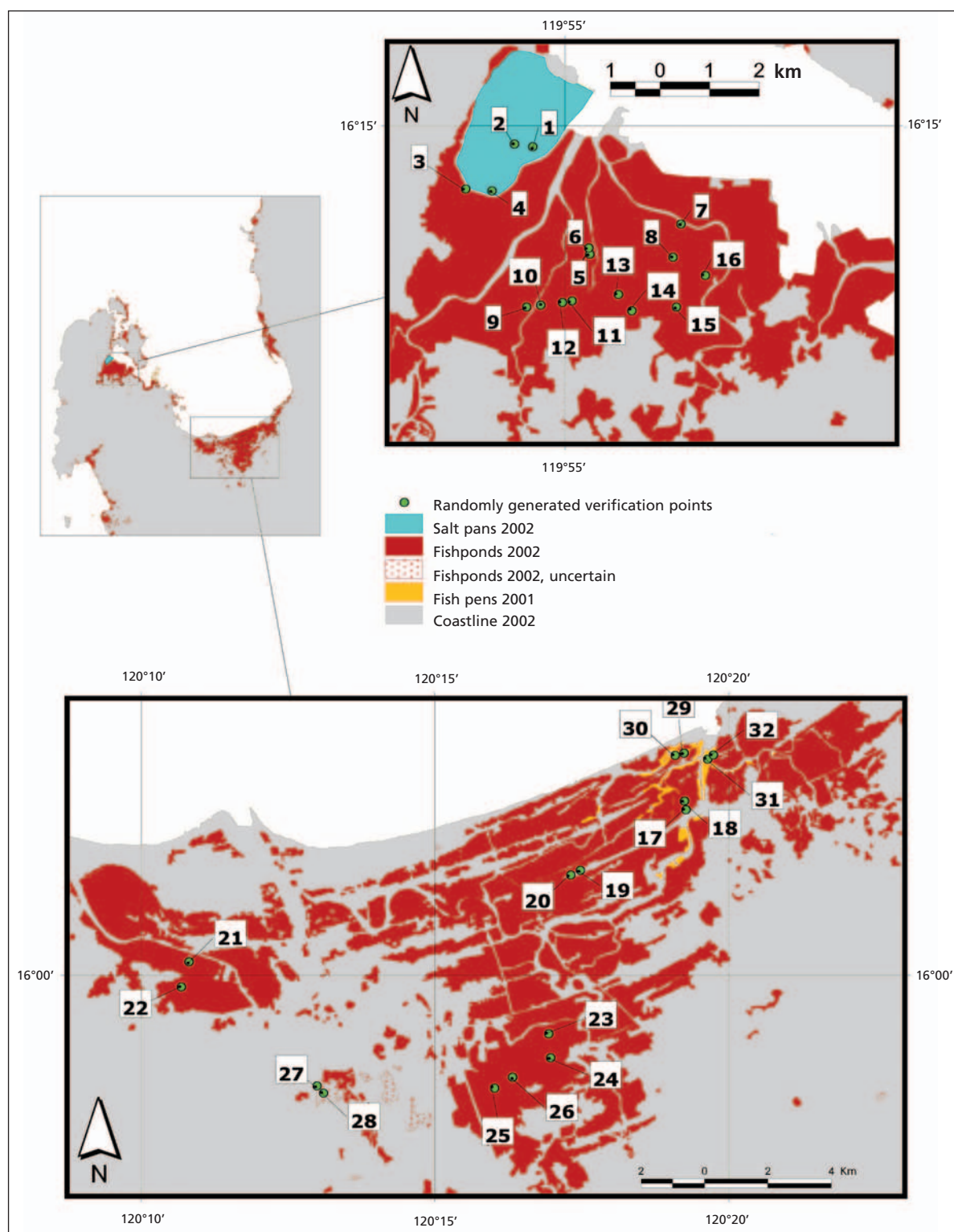


TABLE 8

Comparison of visual interpretation and *in situ* observations on the verification points

Point	Location	Visual interpretation	<i>In situ</i> verification
1	Zarragosa, Bolinao	Salt pans; fishponds across the river, south of the verification point	Salt pans; fishponds across the river, south of the verification point
2	Zarragosa, Bolinao	Salt pans	Salt pans
3	Lambes, Bani	Fishponds	Fishponds
4	Lambes, Bani	Salt pans	Salt pans
5	Bgy. Banog Norte, Bani	Fishponds	Fishponds
6	Bgy. Banog Norte, Bani	Fishponds	Fishponds
7	Pangapisan, Alaminos	Fishponds on both embankments of Embarcadero River	Fishponds on the north embankment of Embarcadero River; thin strip of residential area along the south embankment with fishponds behind it
8	Bani-Alaminos boundary, still a part of Bgy. Pangapisan	Fishponds	Marshland adjacent to salt pans in the north. Salt pans due south, converted to fishponds during the rain season
9	Bgy. Banog Norte, Bani	Fishponds	Fishponds
10	Bgy. Banog Norte, Bani	Fishponds	Fishponds
11	Bgy. Banog Norte, Bani	Fishponds	Fishponds
12	Bgy. Banog Norte, Bani	Fishponds	Fishponds
13	Bgy. Banog Norte, Bani	Fishponds	Fishponds
14	Bgy. Banog Norte, Bani	Fishponds	Fishponds
15	Bgy. San Miguel, Bani	Fishponds	Fishponds
16	Bgy. San Miguel, Bani	Fishponds	Fishponds
17	Bgy. Calmay, Dagupan City	Fishponds	Fishponds
18	Bgy. Calmay, Dagupan City	Fishponds	Fishponds
19	Bgy. Canaualan, Biec East, Binmaley	Fishponds	Fishponds
20	Bgy. Canaualan, Biec East, Binmaley	Fishponds	Fishponds
21	Bgy. Dulig, Lingayen	Fishponds	Fishponds
22	Bgy. Dulig, Lingayen	Fishponds	Fishponds
23	Bgy. Basing, Binmaley	Fishponds	Fishponds
24	Bgy. Basing, Binmaley	Fishponds	Fishponds
25	Bgy. Basing, Binmaley	Fishponds	Fishponds
26	Bgy. Basing, Binmaley	Fishponds	Fishponds
27	Bgy. Socony, Lingayen	Fishponds, uncertain	Swamp area
28	Bgy. Socony, Lingayen	Fishponds, uncertain	Water impoundment
29	Bgy. Pugaro, Dagupan City	Fish pens	Fish pens
30	Bgy. Pugaro, Dagupan City	Fish pens	Fish pens
31	Bgy. Pantal, Dagupan City	Fish pens	Fish pens
32	Bgy. Pantal, Dagupan City	Fish pens	Fish pens

The accuracy cannot be calculated for fish cages and traps, as they may have been moved or removed in the time interval between the image acquisition and the field verification, as a consequence of severe weather conditions. In fact, differences in their positions are visible on the 2001 and 2002 images, as explained above. Thus, mapping accuracy for fish cages was estimated at 90 percent and for fish traps at 70 percent. The results of the ground survey show that offshore fish traps are still approximately located in the same areas in which they were when the images were acquired, while the traps detected inside rivers were not observed in the two surveyed points.

The fish cages at the southern border of Santiago Island, clearly visible in all SAR images, are still located there, while the fish cages identified offshore Barangay Dori (Bolinao) are now replaced by fish pens built seaward from the rocky coastline (see appendix).

