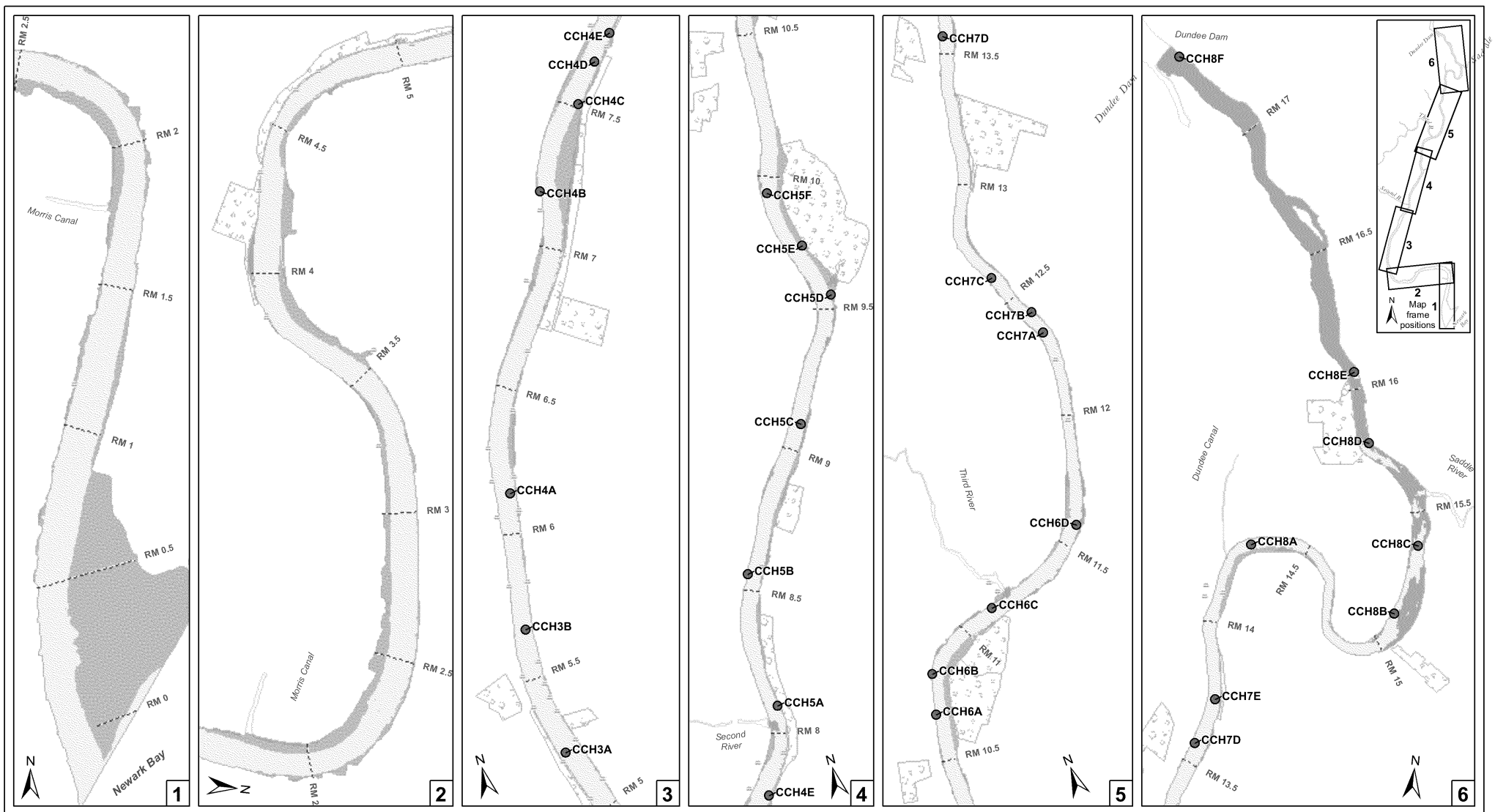

Wind Ward LLC environmental

0 0.5 1 Kilometers

0 0.25 0.5 Miles

Proposed harvest location
CSO
Park
River mile
Mudflat
Gravel flat
LPRSA

Shallow flat areas for ecological receptors are those areas where the river bottom slope is ≤6° and the depth is ≥4.5 ft NGVD29 (i.e. -2 ft MLLW), based on the 2007 bathymetric survey conducted by Gahagan & Bryant Associates, Inc. (GBA). Areas of the LPRSA not covered by the GBA survey (i.e., southeast Kearney Point, RM 16.5 to RM 17.4, and some nearshore shallows) have been extrapolated either from contours derived from the GBA bathymetry data, or from NOAA data (specifically Kearney Point). Mudflats are defined as areas with silt and/or sand river bottom. Gravel flats consist of coarser material. Surface texture was delineated by Aqua Survey, Inc. in its 2005 Geophysical Survey. All of Kearney Point is assumed to be sand or silt based on field experience.

Figure 1. Proposed 2013 carp harvest locations

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User Name: lindam 9/11/2013, W:\Projects\Rayonier Port Angeles\Data\GIS\Maps_and_Analysis\EnnisCreek\5645_Proposed 2013 carp harvest locations_LSM_20130813.mxd