

Appendix 2:

Acid Sulfate Soils Risk Maps for the Lower Hunter

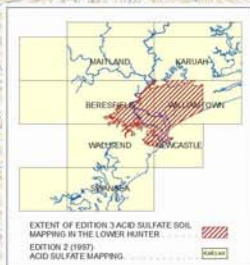
- 2008 Revised draft ASS Risk Map for the Lower Hunter.
For final version contact DECC Kempsey Phone 02 6561 4978.
- 1995 previous edition of the ASS Risk Map for the Lower Hunter

ACID SULFATE SOIL RISK MAPPING [EDITION 3, 2008] FOR PART OF THE LOWER HUNTER RIVER CATCHMENT

ACID SULFATE SOIL RISK MAPPING EDITION 3 IS THE PART OF THE LOWER HUNTER SHOWN ON THIS MAP COVERS ONLY THAT AREA FOR WHICH LIGN MAPPING IS CURRENTLY AVAILABLE.
FOR ACID SULFATE SOIL MAPPING IN OTHER AREAS SEE DEPARTMENT OF LAND AND WATER CONSERVATION ACID SULFATE SOIL MAPPING ED 2, 1997



0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100



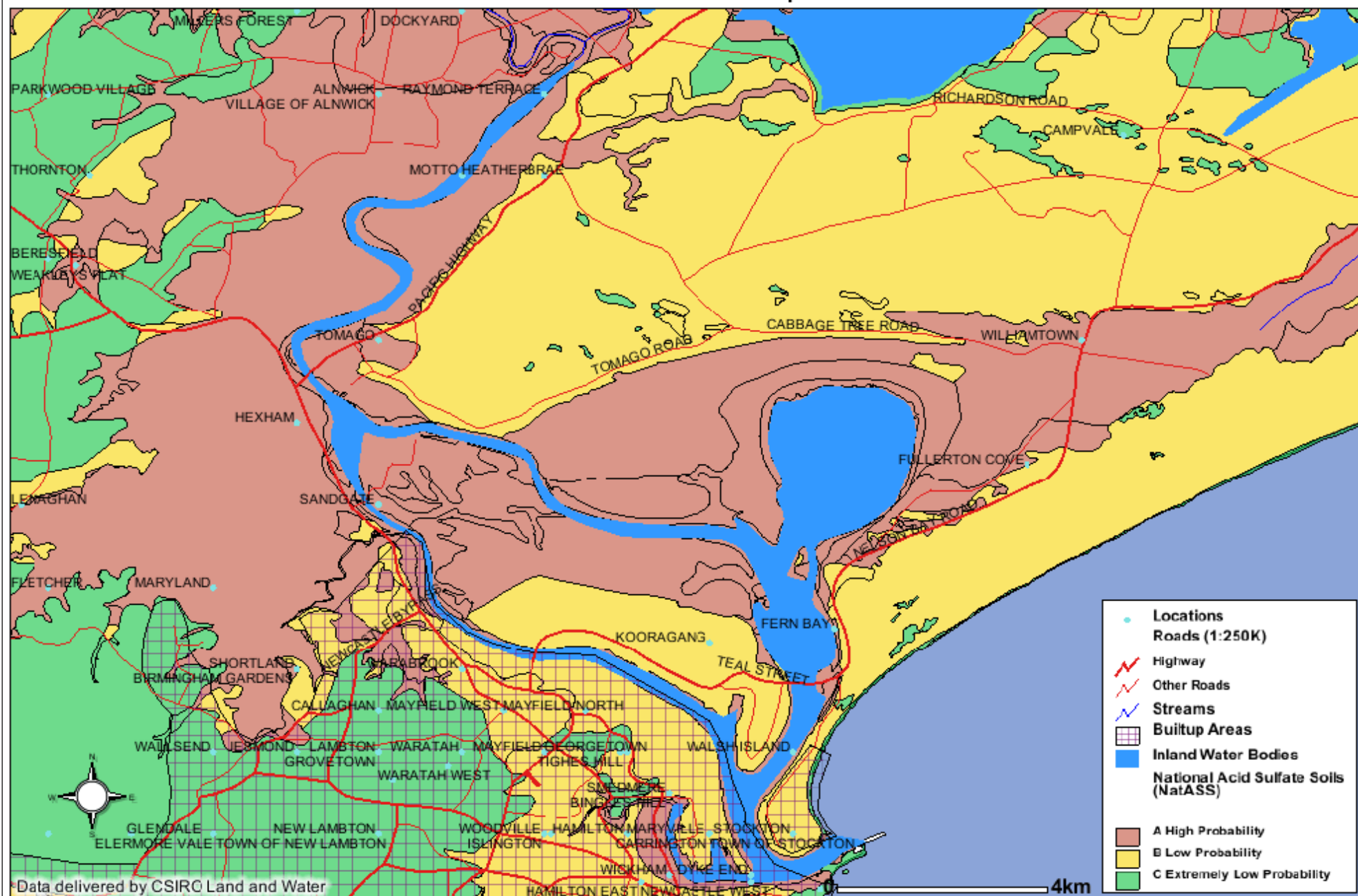
MAP PREPARED BY M. J. TULL, REVIEWED BY G. ANDERSON
THIS MAP HAS BEEN PREPARED USING LIGHT DETECTION AND RANGING (LIDAR) DATA CAPTURED BY THE DEPT. OF PLANNING, WITH ASSISTANCE FROM THE DEPT. OF PRIMARY INDUSTRIES (FISHERIES). THIS MAP IS PART OF A SERIES OF ACID SULFATE RISK MAPPING THE ENTIRE NEW SOUTH WALES COAST AND IS BASED ON THE ASSESSMENT OF GEOMORPHIC PROCESSES AND ENVIRONMENTS. ASSESSMENT METHODS INCLUDE INTERPRETATION OF AERIAL PHOTOGRAPHY AND SATELLITE IMAGERY, EXTENSIVE FIELD WORK AND LABORATORY SOIL TESTING.
THIS MAP IS TO BE USED AS A GENERAL GUIDE FOR REGIONAL AND LOCAL SCALE LAND USE PLANNING AND LAND MANAGEMENT ONLY, AND IS NOT FOR THE ASSESSMENT OF SPECIFIC SITES WHICH CAN ONLY BE ASSESSED BY A SITE SPECIFIC SOIL INVESTIGATION. ACID SULFATE SOILS MAY OCCUR IN AREAS SPECIFICALLY IDENTIFIED ON THE MAP AS NO KNOWN OCCURRENCE.

ACID SULFATE SOIL RISK - KEY				
LANDFORM PROCESS CLASS	LANDFORM ELEMENT	PROBABILITY CLASS DESCRIPTION	MAP COLOUR	ELEVATION CODE (with elevation range indicated on map only)
A ... Alluvial E ... Estuarine W ... Wetland B ... Beach D ... Disturbed Terrain N ... No Known Occurrence	4 ... Sandplain 5 ... Backplain 6 ... Dune 7 ... Interdune Flat 8 ... Backswamp 9 ... Lowland 10 ... Lowland 11 ... Channel 12 ... Channel 13 ... Plain 14 ... Interdune Swamp 15 ... Swamp 16 ... Lowland 17 ... Lowland 18 ... Lowland 19 ... Lowland 20 ... Lowland 21 ... Lowland 22 ... Lowland 23 ... Lowland 24 ... Lowland 25 ... Lowland 26 ... Lowland 27 ... Lowland 28 ... Lowland 29 ... Lowland 30 ... Lowland 31 ... Lowland 32 ... Lowland 33 ... Lowland 34 ... Lowland 35 ... Lowland 36 ... Lowland 37 ... Lowland 38 ... Lowland 39 ... Lowland 40 ... Lowland 41 ... Lowland 42 ... Lowland 43 ... Lowland 44 ... Lowland 45 ... Lowland 46 ... Lowland 47 ... Lowland 48 ... Lowland 49 ... Lowland 50 ... Lowland 51 ... Lowland 52 ... Lowland 53 ... Lowland 54 ... Lowland 55 ... Lowland 56 ... Lowland 57 ... Lowland 58 ... Lowland 59 ... Lowland 60 ... Lowland 61 ... Lowland 62 ... Lowland 63 ... Lowland 64 ... Lowland 65 ... Lowland 66 ... Lowland 67 ... Lowland 68 ... Lowland 69 ... Lowland 70 ... Lowland 71 ... Lowland 72 ... Lowland 73 ... Lowland 74 ... Lowland 75 ... Lowland 76 ... Lowland 77 ... Lowland 78 ... Lowland 79 ... Lowland 80 ... Lowland 81 ... Lowland 82 ... Lowland 83 ... Lowland 84 ... Lowland 85 ... Lowland 86 ... Lowland 87 ... Lowland 88 ... Lowland 89 ... Lowland 90 ... Lowland 91 ... Lowland 92 ... Lowland 93 ... Lowland 94 ... Lowland 95 ... Lowland 96 ... Lowland 97 ... Lowland 98 ... Lowland 99 ... Lowland 100 ... Lowland	High probability of occurrence of Acid Sulfate materials within the soil profile. The environment of deposition has been suitable for the formation of Acid Sulfate Soil materials. Acid Sulfate Soil materials are widespread or extensive, and may be limited by alluvium or windblown sediments.	Red Dark Red Pink Light Pink Orange Yellow Light Green Green Dark Green Blue Dark Blue Purple Light Purple White	Bottom Sediments (1-2m AHD) (2-5m AHD) (5-10m AHD) (10-20m AHD) (20-40m AHD) (40-60m AHD) (60-80m AHD) (80-100m AHD) (100-120m AHD) (120-140m AHD) (140-160m AHD) (160-180m AHD) (180-200m AHD) (200-220m AHD) (220-240m AHD) (240-260m AHD) (260-280m AHD) (280-300m AHD) (300-320m AHD) (320-340m AHD) (340-360m AHD) (360-380m AHD) (380-400m AHD) (400-420m AHD) (420-440m AHD) (440-460m AHD) (460-480m AHD) (480-500m AHD) (500-520m AHD) (520-540m AHD) (540-560m AHD) (560-580m AHD) (580-600m AHD) (600-620m AHD) (620-640m AHD) (640-660m AHD) (660-680m AHD) (680-700m AHD) (700-720m AHD) (720-740m AHD) (740-760m AHD) (760-780m AHD) (780-800m AHD) (800-820m AHD) (820-840m AHD) (840-860m AHD) (860-880m AHD) (880-900m AHD) (900-920m AHD) (920-940m AHD) (940-960m AHD) (960-980m AHD) (980-1000m AHD) (1000-1020m AHD) (1020-1040m AHD) (1040-1060m AHD) (1060-1080m AHD) (1080-1100m AHD) 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DATE OF MAP: 31-07-2008

DO NOT REPRODUCE OR TRANSMIT ANY INFORMATION FROM THIS MAP WITHOUT THE WRITTEN PERMISSION OF THE DEPARTMENT OF LAND AND WATER CONSERVATION

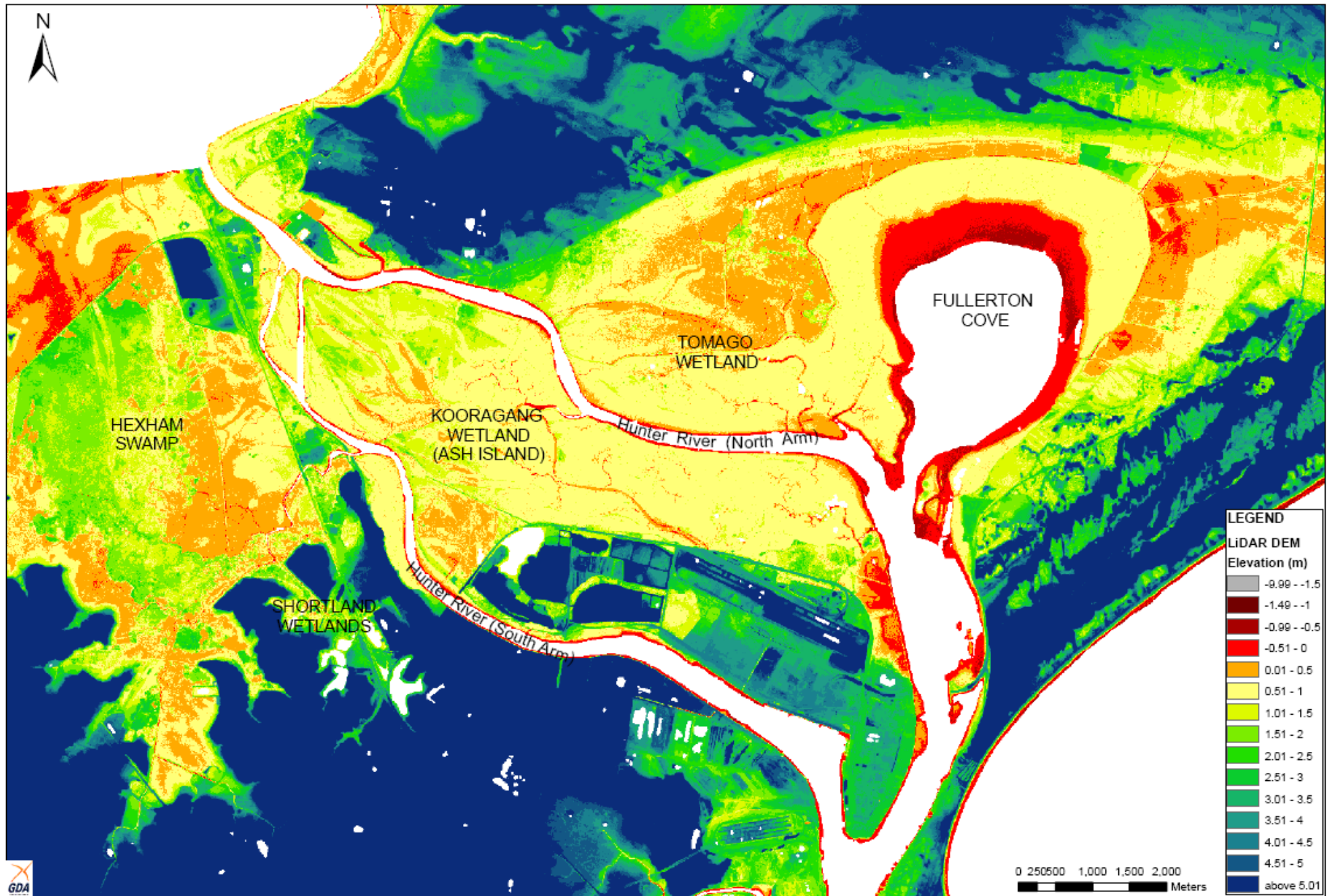
1995 Acid Sulfate Soils Risk Map for Lower Hunter



Appendix 3:

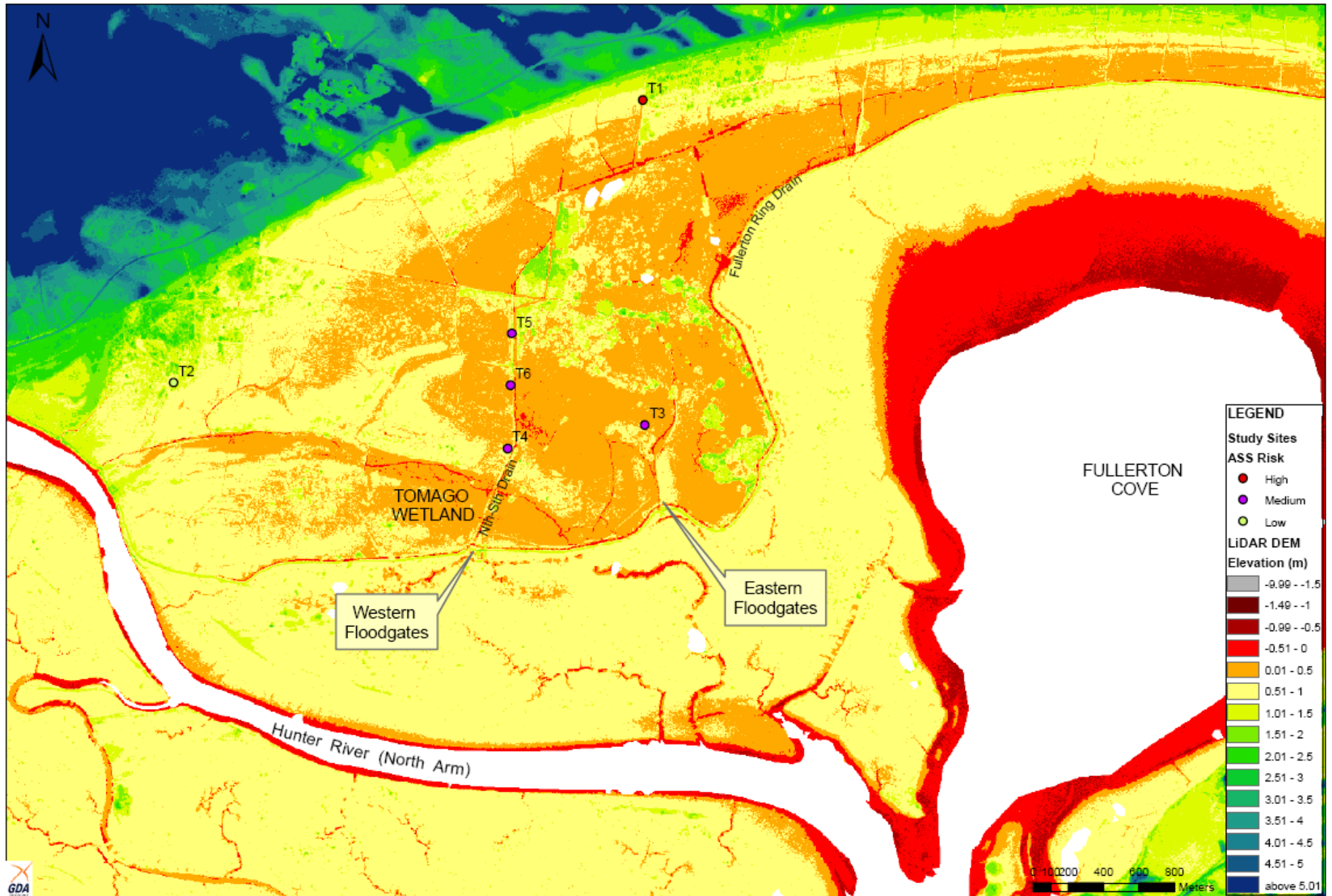
Digital Elevation Models for the Lower Hunter

Digital Elevation Model for the Lower Hunter

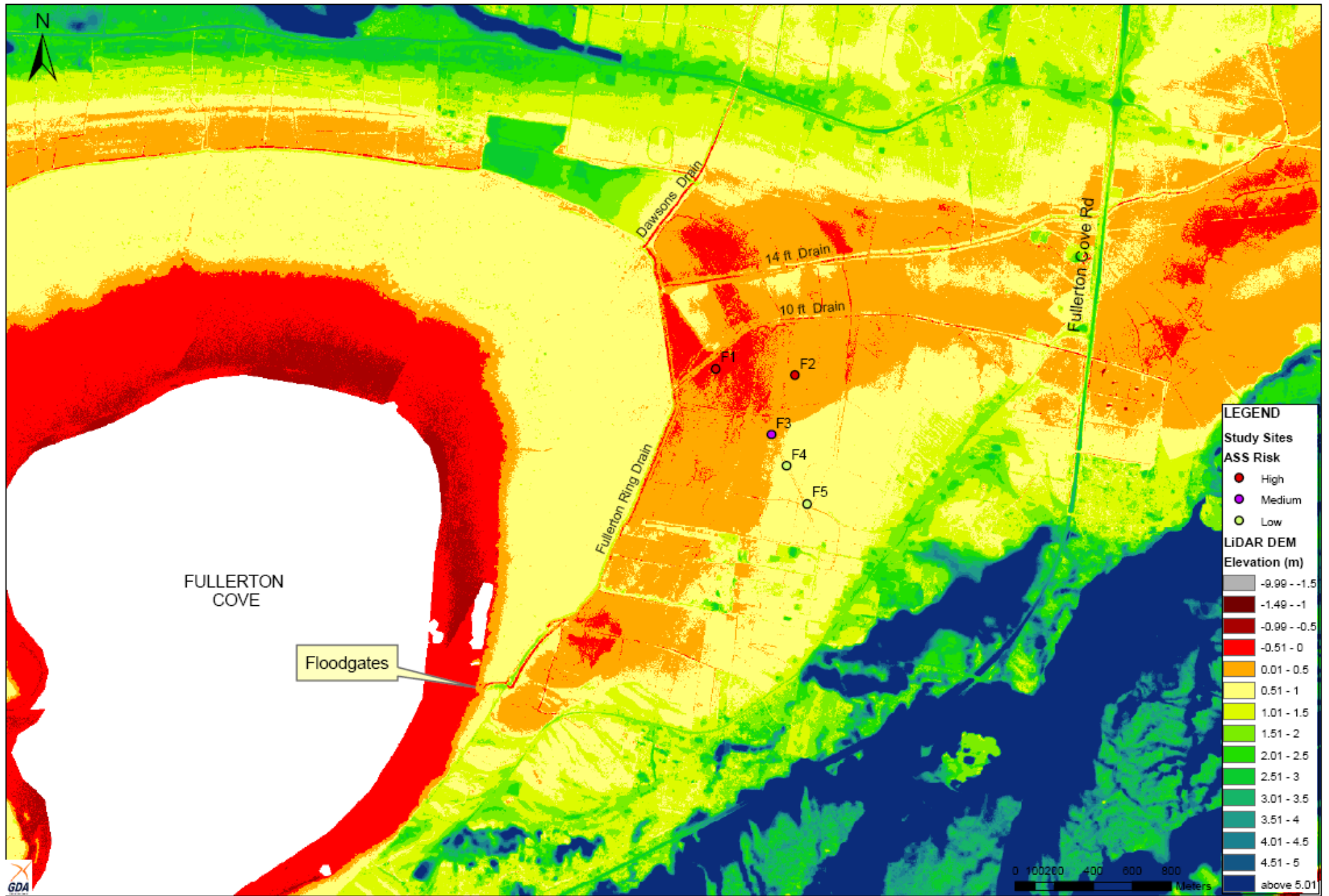


DEM Source: Dept of Planning Climate Change Adaptation Project 2007
Map Created by JF 19 June 08

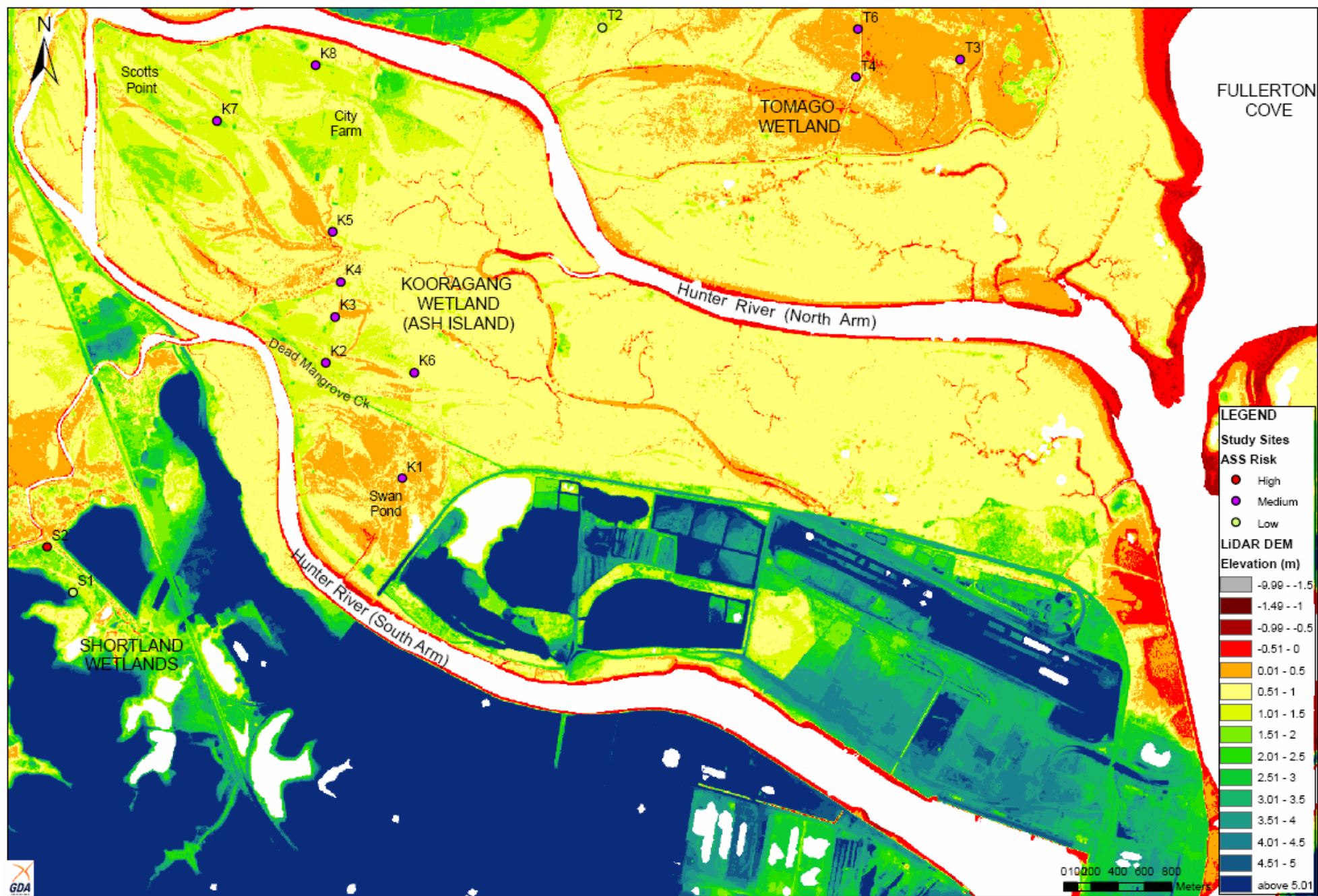
Digital Elevation Model for Tomago Wetland



Digital Elevation Model for Fullerton Cove

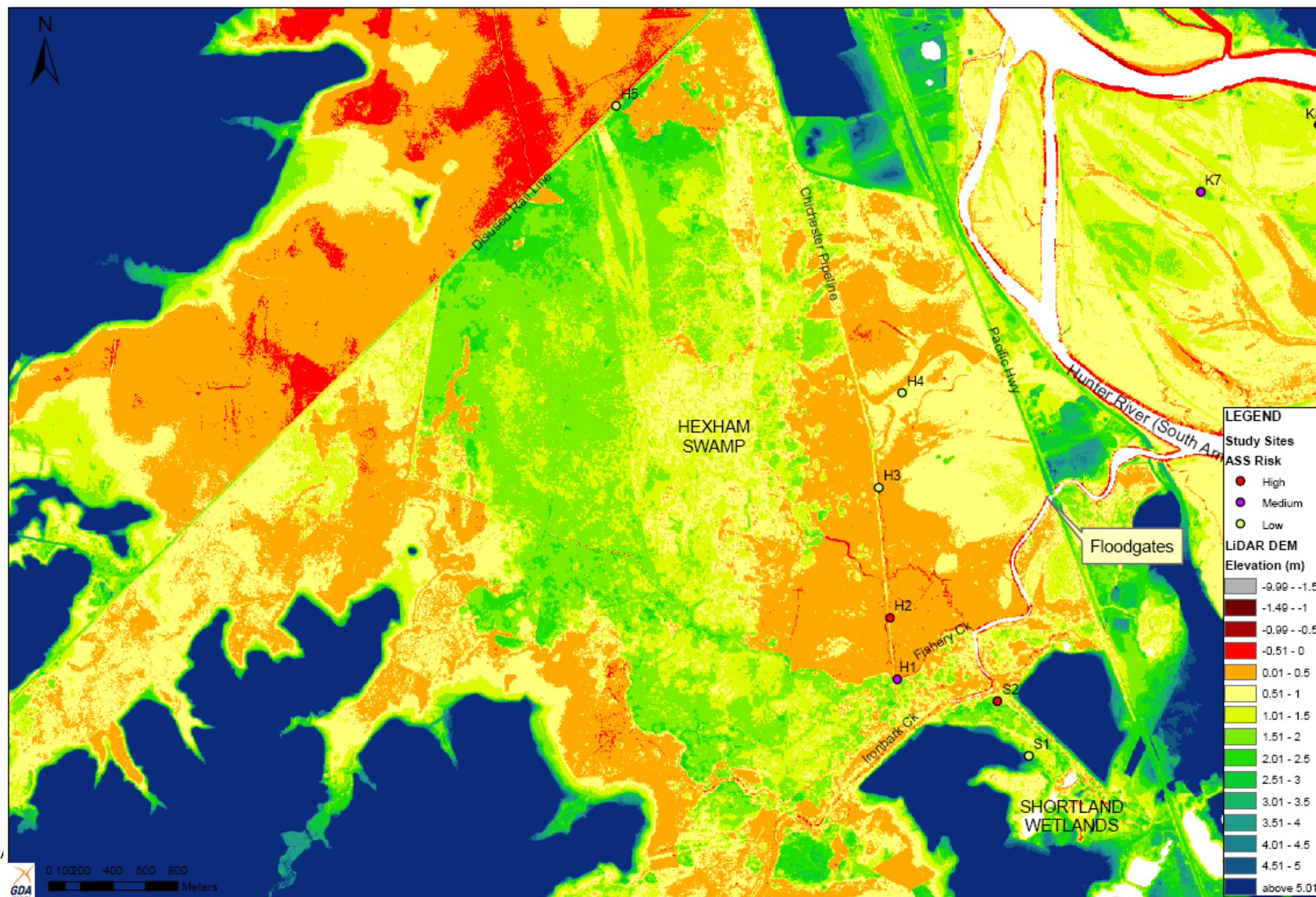


Digital Elevation Model for Kooragang (Ash Island)

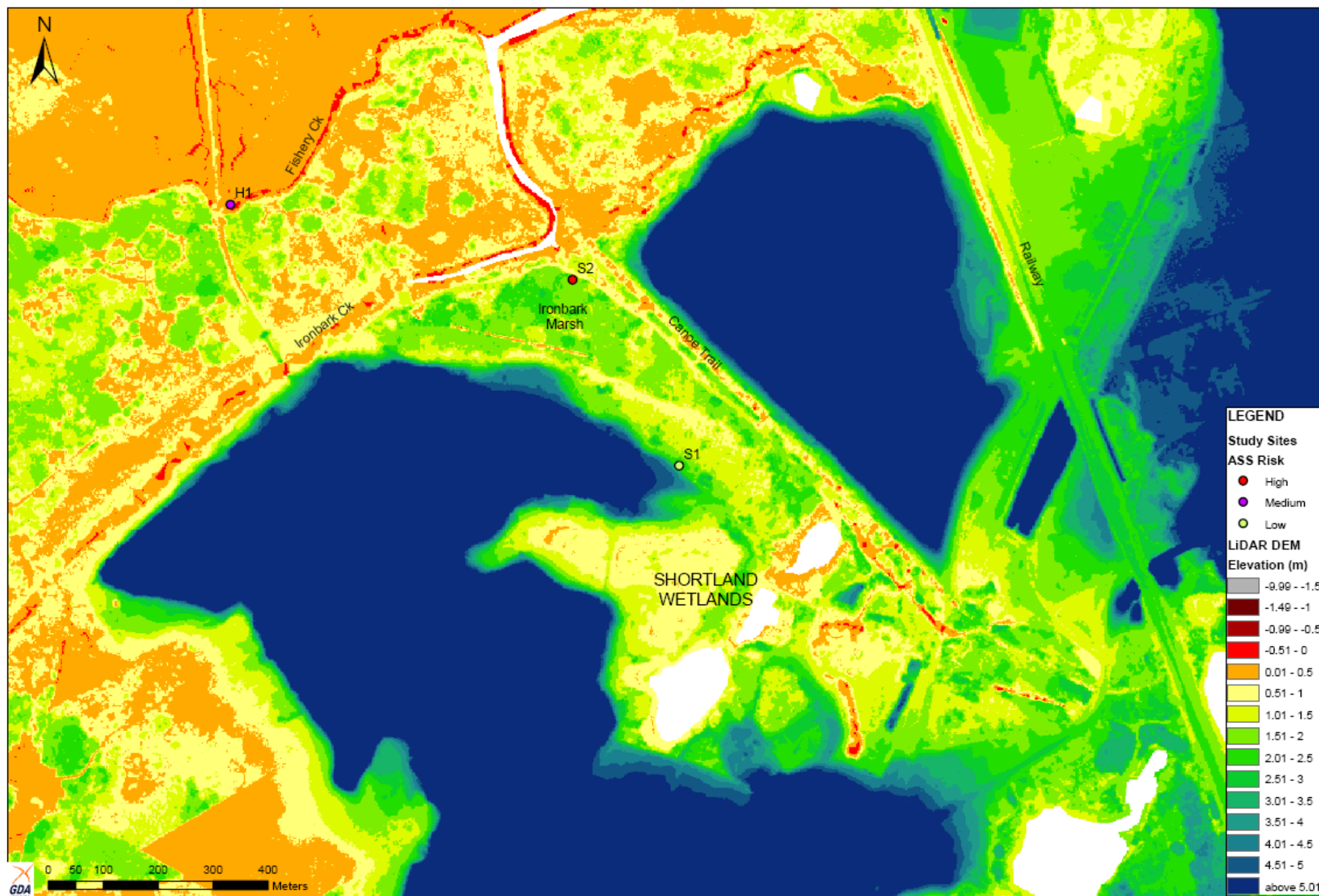


DEM Source: Dept of Planning Climate Change Adaptation Project 2007
Map Created by JF 7 July 08

Digital Elevation Model for Hexham Swamp



Digital Elevation Model for Shortland Wetlands



DEM Source: Dept of Planning Climate Change Adaptation Project 2007
Map Created by JF 7 July 08