

ADDITIONAL THOUGHTS / SUGGESTIONS BY G.W. WODE  
AFTER READING INTERIM REPORT FORECASTS / WARNINGS - CHAPTER 4 -  
(PAGE NO'S 128 - 159 ON EVENING OF 5-10-2011 TO ASSIST  
MARYBOROUGH FLOOD COMMISSION HEARING ON WEDNESDAY 12-10-2011)  
(IN REGARDS MARY RIVER. ENTOMBMENT SYSTEM FLOODING MARS JAN 2011)

1. - RE-INTRODUCTION OF MANUAL RIVER STATION READINGS TO MARY RIVER  
AND MAJOR TRIBUTARIES DOWNSTREAM BTWN GYMPIE AND MBSORO  
AS PER BOM FLOOD WARNING NETWORK MAP 138.1  
MARY RIVER:- MIVA, TIARO, THE BARRAGE  
WIDE BAY CREEK:- NOOLOOSA (ABOVE MIVA)  
TINANA CREEK:- BANPUK EAST (TALLGALLA), TEDDINGTON WEIR  
TINANA BARRAGE  
FLOOD MARKER GAUGE BOARDS TO BE ERECTED CHINAMANKI CREEK  
BRIDGE HIGHWAY ROAD CROSSING LOCATIONS TIARO (SWAMP -  
SOUTH) - (BRIDGE - NORTH)  
TIARO POLICE TO READ STREAM HEIGHTS - @ MARY RIVER /  
CHINAMANKI CREEK (BRIDGE) (A MAJOR TRIBUTARY INFLOW JUST  
DOWNSTREAM FROM TIARO) (AS TIARO IS A GOOD PRE WARNING  
INDICATOR TO MARYBOROUGH FLOODING)  
USUAL VOLUNTARY MANUAL READINGS FROM LOCAL RESIDENTS  
AT ABOVE LOCATIONS, TIARO POLICE TO DO TIARO READINGS  
WITH DIRECT NOTIFICATION TO BOM / MARYBOROUGH CO ORINATION  
TEAM - POLICE / COUNCIL / etc.
2. RE-INTRODUCE SYSTEMATIC DOWNSTREAM RIVER / RAINFALL  
RADIO BROADCASTS WITH ABC RADIO FOR F.C.R.C  
(FRASER COAST REGIONAL COUNCIL) BOUNDARIES OVERA TO  
RIVER HEADS
3. INTRODUCTION OF A SIMPLE COST EFFECTIVE FLOOD HEIGHT  
MARKER SYSTEM BY F.C.R.C TO EFFECTED AREAS  
A SIMPLE PAINT STENCIL ON POWER POLES, FLUKE POSTS  
etc OF YEAR - FLOOD HEIGHT etc WOULD ADEQUATELY SURFACE
4. CONSIDERATION TO BE GIVEN TO INTRODUCTION  
OF AN EDUCATION KIT WARNING SYSTEM  
ON AN INDIVIDUAL HOUSEHOLD / PROPERTY SYSTEM  
BY RELEVANT AUTHORITIES.  
PRACTICAL METEOROLOGY SUBJECTS COULD BE READILY  
INTRODUCED INTO THE SCHOOL BASED EDUCATION  
SYSTEM etc.

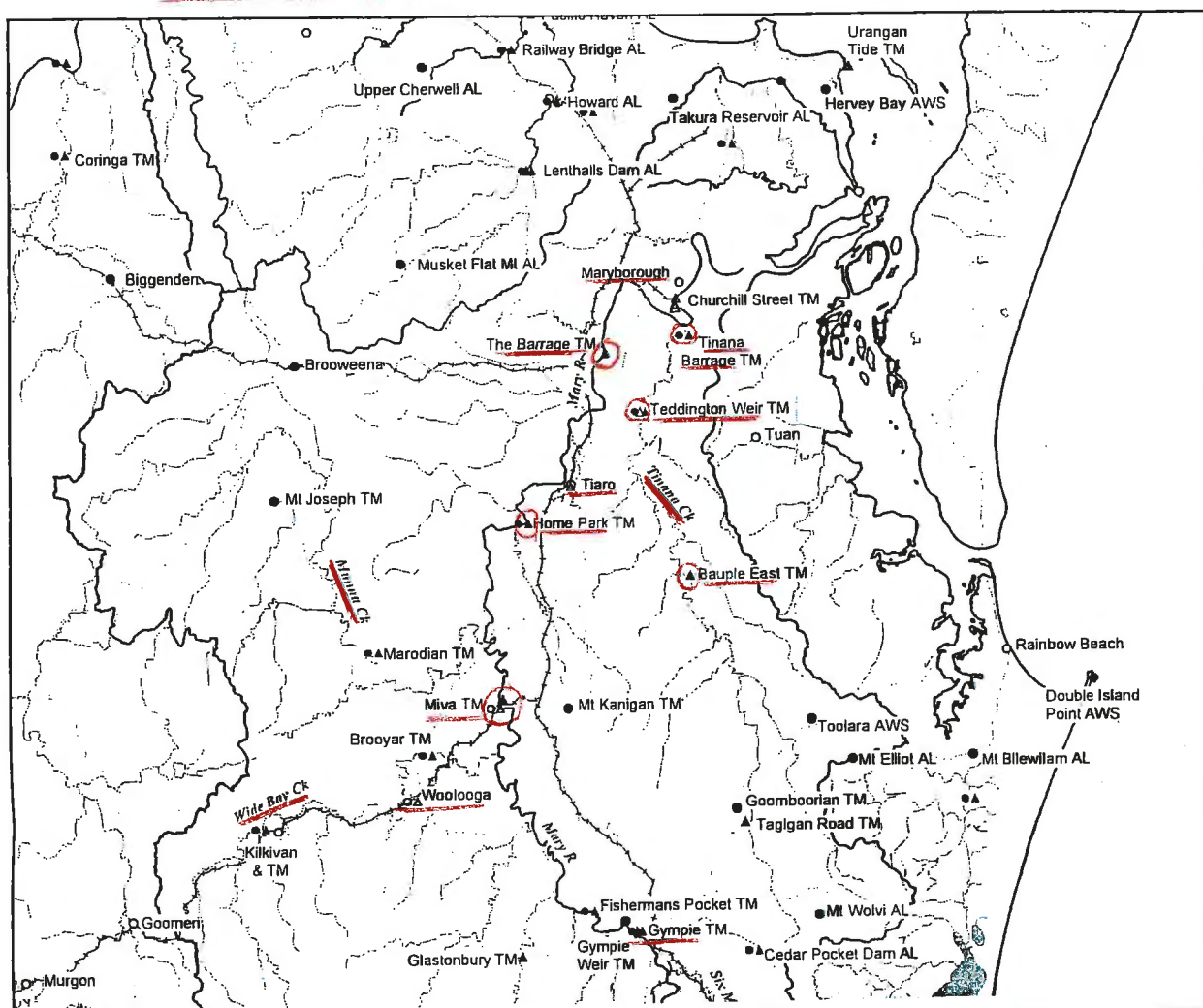
ANNEXURES

MARY RIVER B.O.M  
FLOOD WARNING NETWORK  
MAP 138.1.

G.W. WODE  
6/10/2011

AFTN:-

QID FLOOD COMMISSION  
OF INQUIRY  
BRISBANE



- Manual Heavy Rainfall Station
- Daily Reporting Rainfall Station
- △ Manual River Station
- Telemetry Rainfall Station
- ▲ Telemetry River Station

## MARY RIVER FLOOD WARNING NETWORK

Major Roads

Railway

Revised: Nov 2009

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NOTE:- NO MANUAL RIVER STATION READINGS BTWN MBORO AND GYMPIE  
MIVA CEASED APPROX 2009 - (RECORDER WILL NAHRUNG)  
T/IARD TELEMETRY READINGS (PREVIOUS MANUAL RECORDER) - (O/C POLICE - TIARD)

\* QLD FLOOD COMMISSION OF INQUIRY TO QUERY ACCURACY OF MAP

NOTES RE FURTHER LATE SUBMISSION QFCI  
MARYBOROUGH HEARING 12-10-2011

RE CHAPTER 4 - FORECASTS / WARNINGS etc  
PAGE NO'S 128-159 (ADDITIONAL TO MY  
FAX DATED 6-10-2011)

REINTRODUCTION OF MANUAL RIVER STATION READINGS  
MARY RIVER BTWN GYMPIE / MBORO AS PER BOM  
FLOOD WARNING NETWORK MAP 138.1 (REVISED NOV 2009)

I REFER TO MY QFCI SUBMISSION DATED 2-3-11  
AND NOW CONFIRM THAT I HAVE HAD CONVERSATIONS  
WITH MVA RECORDER [REDACTED] ON 11-4-2011

AND TIARO POLICE OFFICER IN CHARGE [REDACTED]  
ON 7-10-2011. BOTH PERSONS ADVISED ME THAT NO  
MANUAL RIVER HEIGHT READINGS WERE TAKEN BY  
THEM IN 2011 FLOOD PERIODS.

THIS NOW IDENTIFIES MAJOR FLAWS IN THE  
MARYBOROUGH DISASTER MANAGEMENT CO-ORDINATION  
SYSTEM IN THAT SOLE RELIANCE ON RIVER  
HEIGHT WARNINGS WAS BY WAY OF AUTOMATIC  
RECORDING SYSTEMS WITH NO MANUAL BACK UP  
SYSTEM IN PLACE IN THE EVENT OF ELECTRONIC  
FAILURE

IT ALSO IDENTIFIES THAT B.O.M. MAP 138.1  
(REVISED NOVEMBER 2009) IS INACCURATE  
IN THAT IT SHOWS THAT BOTH MVA AND  
TIARO AS MANUAL RIVER STATIONS WHICH  
HAVE APPARENTLY BEEN SUPERCEDED BY  
AUTOMATIC SYSTEMS WITHOUT PROPER MAP  
UPDATE. IT IS UNKNOWN BY ME WHAT THE  
PRESENT POSITION IS AT WIDE BAY CREEK  
WOOLDOGA (EITHER MANUAL OR AUTOMATIC)  
AND THE SAME SITUATION APPLIES TO  
TINANA CREEK AT TEDDINGTON WEIR

THIS NOW ESTABLISHES THAT NO MANUAL  
RIVER READING STATIONS ARE IN EXISTENCE  
BETWEEN GYMPIE AND MARYBOROUGH AS  
AT TIME OF 2010 / 2011 FLOOD PERIODS

I SUGGESTED THE REINTRODUCTION OF THE  
MANUAL READING SYSTEM AT THE TOP END  
OF THE LOW FLOOD LEVEL HEIGHT IN MY  
QFCI SUBMISSION DATED 2-3-2011  
(ADDITIONAL TO AUTOMATIC RECORDINGS)  
AT BOTH MVA AND TIARO /

CONTD /  
PAGE 2.

CONTD:- BOTH MIVA AND TIARO// AS THESE  
TWO LOCATIONS GIVE MANY HOURS PRE-  
WARNING TIME TO MARYBOROUGH AND  
WITH THE INTRODUCTION/ REINTRODUCTION OF  
MANUAL READINGS FROM MAJOR TRIBUTARY  
INFLOWS FROM THE LINKS OF WIDE BAY CREEK/  
MUNNA CREEK/ TINANA CREEK etc MARYBOROUGH  
WOULD NOT HAVE BEEN CAUGHT IN A STATE OF  
UNPREPAREDNESS AS WAS THE CASE IN BOTH  
DECEMBER 2010 AND JANUARY 2011 FLOODS

I HAVE ALSO RECENTLY SPOKEN TO [REDACTED]  
ON 6-10-2011 WHO OPERATED HYNK AND SON  
TIMBER BARRES KEARI AND HOPEWELL  
UNDER THE GRANVILLE BRIDGE (SERVICE  
TERMINATED FEBRUARY 1992) AND I WAS  
INFORMED THAT IN THAT ERA A  
MARYBOROUGH/ MARY RIVER FLOOD CHART WAS  
IN EXISTENCE WHERE UPSTREAM RIVER HEIGHTS  
WERE RECORDED UNDER THE OLD B.O.M.  
MANUAL SYSTEM AND A SLIDING SCALE  
HYDROLOGISTS TYPE CALCULATION WAS MADE  
TO PREDICT FLOOD HEIGHTS AT MARYBOROUGH.

THIS SYSTEM ALLOWED HYNK AND SON AND  
OTHER RIVERSIDE BUSINESSES TO EFFECTIVELY  
MAKE NECESSARY STOCK/ PLANT REMOVALS  
PRIOR TO FLOODING.

IT IS THOUGHT THAT HYNK AND SON MAY STILL  
HAVE THIS CHART AT THEIR MARYBOROUGH  
OFFICE AND IT IS SUGGESTED THAT [REDACTED]  
[REDACTED] MAY BE ABLE TO ASSIST FURTHER IN THIS  
REGARD AND IF SAME IS LOCATED, COULD BE  
USED AS AN ADDITIONAL TOOL ON THE LOCAL  
DISASTER MANAGEMENT COMMITTEE DATA  
BASE OF F.C.R.C (FRASER COAST REGIONAL COUNCIL)

ADDITIONAL THOUGHTS / SUGGESTIONS RE INTERIM  
REPORT FORECASTS / WARNINGS (PAGES 128-159) QFCI  
TO MY FAX DATED 6-10-2011 (MATTERS - 1 to 4)

(MARBOROUGH HEARING 12-10-2011)

5.

DUE CONSIDERATION TO BE GIVEN TO PROVIDING  
FLOOD HEIGHT INFORMATION TO ALL RESIDENTIAL  
PROPERTY OWNERS VIA THEIR RESPECTIVE LOCAL  
GOVERNMENT RATE NOTICES ON AN ONGOING ANNUAL  
BASIS

THIS INFORMATION IS READILY AVAILABLE FROM QLD GOVT MARS  
SUPPLIED BY DEPT OF ENVIRONMENT AND RESOURCE  
MANAGEMENT AND IN MY VIEW IT WOULD BE BEST PRACTICE  
POLICY TO INCLUDE THIS INFORMATION ON ALL RESIDENTIAL  
RATE NOTICES ON A STATE WIDE BASIS ON ALL AREAS  
EFFECTED BY FLOODING / TIDAL SURGE, etc. SO THAT  
RESPECTIVE OWNERS / TENANTS, etc. ARE AWARE OF THE  
LAY OF THEIR LAND IN THE EVENT OF FUTURE FLOODING /  
TIDAL SURGE THROUGH CYCLONE DISTURBANCE etc  
WITH THE 2011 LEVELS SET AS A BENCHMARK FOR THE  
TWENTY FIRST CENTURY AND THE LEVELS YEARS OF HIGHER  
RECORDED EVENTS FOR THAT PARTICULAR PROPERTY ALSO  
RECORDED ON THE RELEVANT RATE NOTICE

THE SAME INFORMATION SHOULD ALSO BE SUPPLIED ON  
ALL FUTURE GOVERNMENT LAND VALUATION NOTICES

THIS INFORMATION WOULD SERVE A MULTI FUNCTION PURPOSE  
FOR ALL INTERESTED PARTIES, eg PROPERTY OWNER / LOCAL  
AUTHORITY COUNCIL / DISASTER MANAGEMENT / PROPERTY  
INSURANCE AGENCIES, etc FOR FUTURE PLANNING etc.

THIS SYSTEM IF INTRODUCED, RELIES ON AN ACTION  
BASIS HEIGHT SYSTEM BELOW AND UP TO A PARTICULAR  
NOMINATED LEVEL AND THIS GREATLY LESSENS THE  
DEPENDENCE OF LONG-TERM LOCAL KNOWLEDGE RESIDENTS  
AND WOULD PROVE TO BE ONLY AS SUCCESSFUL AS THE  
ACCURACY OF THE RELEVANT HYDROLOGISTS PREDICTED  
REPORTS

I BELIEVE THAT THIS MATTER WARRANTS VERY SERIOUS  
CONSIDERATION / IMPLEMENTATION BY QFCI AUTHORITY  
TO PUT NECESSARY PROCESSES IN PLACE THAT WILL SUCCESSFULLY  
ACCOMMODATE THE NEEDS AND EXPECTATIONS OF THE  
PROTECTED POPULATION NOWLSE IN THIS STATE IN FORTHCOMING  
YEARS AS THE TERMED LONG TIME LOCAL RESIDENT WHO  
CURRENTLY POSSES ACCURATE RELIABLE KNOWLEDGE  
OF LOCAL EVENTS WILL SOON BE A THING OF THE PAST.

6.

I NOW WISH TO MAKE A FURTHER COMMENT  
ON RECENT PROLIFIC GROWTH OF MANGROVES  
BLOCKING DRAIN HEAD OUTLETS OF STORM  
WATER PIPES EXTING INTO TIDAL STREAMS  
etc AS A RESULT OF THE CONSTRUCTION OF  
FRESH WATER / SALTWATER BARRAGES

(LOWER MARY RIVER IRRIGATION SCHEME)

CONTD P 4

6

MANGROVES BLOCKING STORM WATER  
DRAIN HEAD OUTLETS MARY RIVER  
MARYBOROUGH.

RECENT PROLIFIC GROWTH OF MANGROVES IN THE DOWNSTREAM LOWER AREAS OF THE MARY RIVER CAUSED AS A RESULT OF THE CONSTRUCTION OF THE LOWER MARY IRRIGATION SCHEME BARRAGES LINKING A FRESH WATER SUPPLY FOR FARMERS, etc BETWEEN THE MARY RIVER BARRAGE BY WAY OF OPEN CHANNEL SYSTEM WITH TINIANA CREEK.

THIS SYSTEM WAS CONSTRUCTED DURING THE 1980'S WITH MARY RIVER BARRAGE COMPLETED APPROXIMATELY END OF 1982 AND ITS UPSTREAM PUMPING STATION LOCATED AT DWANVILLA APPROXIMATELY 1987 (TO PUMP WATER FROM MARY RIVER TO TINIANA CREEK). I DO NOT KNOW THE CONSTRUCTION COMPLETION DATE OF THE TINIANA CREEK BARRAGE BUT IT WAS IN THE SAME ERA.

THE SUBSEQUENT EFFECT OF THIS IRRIGATION SYSTEM EFFECTIVELY STOPPED THE CONTINUOUS FLOW OF FRESH WATER BOTH IN THE MARY RIVER AND TINIANA CREEK DOWNSTREAM FROM BOTH BARRAGES WITH THE ONLY OVERFLOWS BEING EXPERIENCED DURING "NORMAL WET SEASON RAIN INFLOWS etc ABOVE THESE BARRAGES INTO THE LOWER SALT TIDAL FLOW AREAS OF THE MARY RIVER AT AND ABOVE THE TOWNSHIP PRECINCTS OF MARYBOROUGH.

PRIOR TO THE CONSTRUCTION OF THIS IRRIGATION SYSTEM INVOLVING BOTH BARRAGES THE MARYBOROUGH TOWN REACH OF THE MARY RIVER AND UPSTREAM AREAS WERE BASICALLY ALMOST COMPLETELY FREE OF MANGROVE GROWTH TO ANY DEGREE WHEN UNRESTRICTED FLOWS OF FRESH WATER FLOWED INTO THE LOWER SALT WATER AREAS AT MARYBOROUGH.

THE CURRENT POSITION IDENTIFIES RETENTION OF FRESH WATER ABOVE BOTH BARRAGES WITH SALT WATER AND MANGROVE GROWTH BELOW THE BARRAGES.

THIS CAN BE READILY IDENTIFIED BY VIEWING PHOTOS OF MARYBOROUGH FLOODS PRIOR TO THE EARLY 1980'S WHICH ESTABLISHES THE BASIC NON-EXISTENCE OF MANGROVES AT MARYBOROUGH AS CLAIMED ABOVE AND ESTABLISHES THAT THEIR EXISTENCE IS A DIRECT RESULT OF HUMAN INTERVENTION BY CONSTRUCTION OF THESE BARRAGES WHICH TURNED BRACKISH WATER = (FRESH/SALT MIX) INTO SALT

CONTD - PAGE 5

