

COMMITTEE A MEETING APRIL 17TH, 2009
MAP COMMITTEE
8AM - PLANNING OFFICE CONFERENCE ROOM
GEORGE CULPEPPER, MARIE AUCLAIRE, RANDY TOAVES

BJ GRIEVE & ALLISON MOUCH
RICK BRECKENRIDGE &
CONSTANZA VONDER- PAHLEN - FLATHEAD LAKERS

BJ- WHAT WE HAVE FOUND ON WATER QUALITY, RICK & CONSTANZA
ARE HERE TO HELP WITH DATA AND INFORMATION
AM - WHAT H2O QUALITY IS OUT THERE AND WHAT IT IS, A TOUGH TASK AHEAD OF US, WHAT
ARE WE FOCUSING ON & WHAT IT IS USED FOR AND THE DIFFERENT STANDARDS AND THE
USES, AND THERE ARE SO MANY CONTAMINATES, MONITORING THEM IS QUESTION, TALKING
WITH DEQ, THEY DO NOT MONITOR THAT DATA
MAPS- WELL DATA IN FLATHEAD COUNTY- POINT FILES, KEEPING UP TO DATE, PUBLIC AND
PRIVATE,
PUBLIC SOURCES ARE REGULATED
PRIVATE ARE NOT REGULATED, A PRIVATE OWNER DOES NOT HAVE TO MONITOR
RUNNING IN TO ISSUES ON PRIVATE- NON STANDARDS

GLEN GRAY & WITH BRECKENRIDGE HAD COMPLIED DATA
WHAT MONTANA MAPPING HAD DONE, RICK CAN EXPLAIN IT
NITRATES WERE RECORDED
PHOSPHORUS, CONNECTIVITY, BIOLOGICAL COMPONENTS

RICK,
WHAT IT CAN & CANNOT- CREATE
ADDRESS CAN GET CLOSE TO A 10 ACRE ACCURACY
ACCURACY IS QUESTIONABLE IN SOME AREAS
LETHOLOGY - SOME ARE REAL GOOD AT
2 THINGS - GROUND WATER & SURFACEWATER
THE MOST AREA WE HAVE DATA ON IS THE MOST DEVELOPED
LOTS TO TEST FOR - 30 THINGS THAT ME LABS WILL TEST FOR, IMPACTS ARE
PHOSPHORUS, CHLOROFORM BACTERIA AND NITRATES
BJ- DATA FOR REVIEW- BY TRACT # - ONLY GOOD FOR 6 MONTHS, CLEAN
5 PARTS PER MIL - 10 PARTS PER MIL ON CLEAN H2O
GROUND H2O - 5 PARTS
SURFACE .01 PER MIL - POINT SOURCE THAT ARE UNEXPLAINED
LAKESIDE 9 PARTS PER MIL - NATURALLY OCCURRING WHAT ?????
WE HAVE TO KNOW WHERE THE IMPACTS ARE SO THAT WE CAN PLAN
AM - THE DATA THAT YOU HAVE, APPROVAL
LESS THAN 20 ACRES INCLUDED THIS ANALYTICAL REPORT
SPATIAL DATA CFDATA, PHOS, NITRATE LESS THAN 20
1973 THE DATA STARTED THROUGH 2004 - NITRATES THERE WILL BE MORE THAN ONE TEST,
LINK TO ADDRESS COUNTY HAS CHANGED THERE DATA PROCESS

DATA IS FROM THE ADDRESS FOR GIS, NOT THE WELL,
MAP #2 SEPTIC AND WELL LOCATION - AM
FIND A WAY TO USE THE DATA BASE
THERE IS NOT A 1-1 -----TRACT #, TOWNSHIP, RANGE, SECTION
TOM CHANGED THE TRACT, YOU WILL HAVE TP MANNUAL PUT IT TOGETHER, THEN YOU CAN
PULL IT UP,
BJ- DPM, HOW IT IS CREATED IT WOULD BE USEFUL FOR THE DPM PROJECT
WHAT IS YOUR OPINION ON HOW THE DATA COULD BE USEFUL FOR GROWTH ASSISTANCE
COLLECTIVE IMPACT - WHEN 74-08
.01-.62 - IMPACTS ARE HAPPENING, THE SOIL,
SOMERS BAY - HIGH NITRATES, THEY SEWERED IT
POINT SPECIFIC - POINT
KALISPELL, - DIRECT IMPACT - 8.5-9.5 DIRECT IMPACT THE TREATED H2O, .01 INVD SEPTIC
1.1.BILLION GAL OF H2O
.01 EVERGREEN - ANY NEW PLANTS HAVE TO MEET
EFFLUENT CANT BE DIRECT DISCHARGED
.62
10 PARTS PER MIL
THE RULES HAVE CHANGED FOR A REASON
ITS NOT OUR PROBLEM TO SOLVE BUT THE IMPACT IS OUR PROBLEM
BJ- TO BOIL IT DOWN
EXAMINE WHERE THE LEVELS ARE ELEVATED - IS IT ANTURAL
SEE IT- ABNORMAL AMOUNT OF THINGS - REASONS-
ELEVATED - ABSORBING -
5 TEST 30 YEARS - SYSTEMS ARE WORKING FROM THAT DATA
GROUND H2O- HIGH
EHD - 35 YEARS - WHAT DO WE HAVE HISTORY
TAKE THE DATA AND MAP IT- SEASONAL SHIFT - ANALYZE IT
TURN THAT DATA INTO A COUNTY DATABASE
AM- RUNNOFF - ABSOR- 2 MANY SEPTICS
GP- FIRE DEPT - H2O AEAY FROM THE WELL, SUCKING WATER FROM OTHER-----
DUMP- BADROCK
7-8 WELLS ONCE A MONTH - 15 YEARS- DNRC - CROSS SECTION
PUBLIC HAVE TO BE MONITERED PER MONTH - PUBLIC H2O
25 PARTS PER MIL
GAS STATION - SERVES THE PUBLIC
AM- NYACK - EVERGREEN

ON WELL DATA MAP - STARS / H2O QUALITY
MONITER REGUALAR -
BIO STATION - FUNDING
HUMAN INDUCED - 09-10- SMALL GRANT

DRAIN - SEPTIC - EFFECT CHEMICAL COMPONETS - LOOKING FOR
ESTROGEN - NICOTENE - DIRECTLY TO DEVELOPMENT AREAS OF HIGHLY DEVELOPED AREAS
DRUGS,
NEXT SPRING - GROUND H2O QUALITY

ESRS AND BASIN COMMISSION -
DPM- NATURAL RESOURCE MEETING - CRITICAL LANDS - DPM

ASSIST WITH THE PROJECT

BIO STATION, DIVERSE GROUP COME ON WITH THE INPUT WHAT MAPS ARE OUT THERE AND PROVIDE SUGGESTIONS

SUGGESTIONS- FROM BIO STATION- SOME DATA WAS NOT USEFUL FOR REVIEW - IN THE GIS FORMAT

DRAFT MAPS - MORE RECENTLY A GROUP OF SCIENTIST TO PROVIDE MORE INFORMATION
BIO STATION - MT HERITAGE PROGRAM- FLATHEAD BASIN - FWP - CAME TOGETHER
FOCUS ON H2O QUALITY

BEST DATA OUT THERE- WATER SOURCES - LOOKING IN THE GROWTH POLICY 8 FT
SLOPES 30 %

IMPACT W/ WATER SOURCES - COMBINE ALL THOSE THAT WOULD BE USEFUL TO A PLANNING
STAFF, FLOOD PLAIN MAPS - USGS FLOOD PLAIN,
RELATIONSHIPS

NO POLICY TO

SOIL PERMEABILITY AND POTENTIAL CONTAMINATION - SOIL DATA IS NOT GOOD ENOUGH
FC - 1 -24,000 SCALE ONE OF THE LAST COUNTIES, TO NOT HAVE DONE IT
SOIL - ALL AQUIFERS - MAPPED THE ENTIRE RESS

NOW - LONG TERM -

HOW TO MOVE FORWARD???

SERIES OF DRAFT MAPS - BIO STATION IS CLEANING THEM UP=
EARLY JUNE OF DRAFTS - FLATHEAD COUNTY - REVIEW

SUB COMMITTEE - APPLICABLE- TAKE IT BACK TO FULL PLANNING BOARD-
RIGHT OFF THE BAT - INTERPET THAT

H2O = PARTICIPATION COUNTOURS - DILUTION PART OF THE PROCESS.....
HOW WE WANT TO PROCEED

1.
SUPERFICIAL STUFF-
EXISTING NITRATE LEVELS- HISTORY OF THE AREA-
SOILS
WATER SOURCES TO THE AREA(WELLS, SURFACE WATER AND SUPP DATA)

WOULD YOU SUPPORT A MAP FOR THE GP - DPM - FUTURE MAP-
2004- FORWARD PRESSURIZED SYSTEM - OXYGEN -
MAP WOULD BENEFIT FOR THE DECISION MAKERS

SEPTIC DATA

DATA W/. NITRATES / SIG DATA / UPDATED CORRELATED WITH GIS DATA LAYER, HOW FRE
QUARTLERT

WELL DATA - QUANTITY / PUMPING DATA

MONITORING WHAT EXISTS - WELL DATA -
BJ- THE FIRST REVIEW- FOR PRESENTATION
BIGGER SCALE-
EACH AREA - H2O AND DEGRADATION IN A PROCESS
BASE YOUR MAP ON DENSITY THE INFO THAT YOU ARE TRYING TO
PROCESS - TIE IT TO DENSITY
EVERY 5 YEARS - PROCESS IT TOGETHER- WITH GP FOR REVIEW

BADROCK-
RAIN COUNTOUR- MORE WATER IN THE SYSTEM, THAT AREA, MAP IT ON THE DENSITY OF THE
DEVELOPMENT/ PARCELS AND CENSUS DATA ,
IMPACT OF THE DENSITY TO WATER QUALITY
PEOPLE - QUALITY
FOR AN AREA- MAKE THE CONNECTION
CENSUS DATA IS UPDATED 2 YEARS

BASED ON DATA - 2000 DATA 2010 DATA BASED ON
RIGHT NOW IS THE TEST - LONG RANGE PLANNING - BASE LINE -

RT- THE ULTIMATE GOAL IS TO HAVE THE MAP-
GUIDE MAPS - TO FIRE DISTRICTS-
SCALE USEABLE

PROVIDE A PACKAGE MAP - PACKAGE OF MAPS - OVERLAPPING THEM-
COMBINE EVERYTHING IF IT IS ON THE RIGHT SCALE -
PRINTING BY FIRE DISTRICT - COMBINE THE INFO-
SAME SCALE FOR EACH THING- GENERAL-
MAKE RECTANGLE SECTIONS
4 TOWNSHIP SCALE -
GOLDEN DENSITY STANDARD - TO ACHIEVE -
GENERAL - SPECIFIC - GOALS - POLICIES
WATERSHED BOUNDRIES - MAINTAIN 1ST IN A SERIES
BOUNDRY TO SUIT THE PROJECT

PROTECTION OF OUR WATER IN THE FLATHEAD - WATER QUALITY GOAL-----
LIKE THE CONCEPT-----

WE CAN ONLY DO WHAT WE CAN THERE IS A HOLE IN ANY PROJECT, THE PUBLIC WILL APPRE-
CIATE THIS, TO PROTECT
SERIES OF MAPS - PROJECTION
A SERIES OF MAPS - DRAINAGES
SEE WHAT WE CAN COME UP FOR MAP BOUNDRIES THE MOST LOGICAL MAP DISTRICTS THE
MULTI LEVEL / RUNOFFS-
NITRATES ARE THE FOOTPRINT - H2O QUALITY IS BASED ON NITRATES---USE
SPECIFY WHAT- GROWTH POLICY - WHAT ARE IN.....
PROTECTION - ---
WALK THE PIPE-----

CONGRESS - ARSNIC - WHAT DATA - FOCUS ON WHAT WE HAVE AND WORK FORWARD
BACK TEE - CHOLORFEE BACTERIAL - BACK TEE REPORT-
STATE DATA -
DATA - AVAILABLE DEFENSIBLE - PUBLIC WELL DATA-

DISCONNECT BETWEEN GOALS
BASIN COMMISSION - ACCOMPLISHES SOMETHING DIFFERENT -
RIP ASSETS AND DRINKING WATER -

GROUND WATER - CONNECTED TO DRINKING WATER-

BASIN - RIP AREAS/ FLOODPLAINS / FILTERS NATURAL / HELP FUTURE PROTECTION/
IMPROVING / MAINTAINING / WETLAND PLANTS /

PERSPECTIVE SITE SPECIFIC AND COUNTY PLANNING

WATER QUALITY

SURFACE WATER

GROUND WATER

POINT SOURCE

KAL SOUCE

WILDFIRES

SPRING RUNNOFF

LINK BOTH TOGETHER-----

SURFACE

DEQ. HEALTH DEPT, SUBB, STUDIES

NRIS

BIO STATION

HERITAGE PROGRAM

CUT IT DOWN AND MAKE SERIES OF MAPS

BEST AREAS THAT COMBINE BOTH OF THEM - COMETOGETHER TO CREATE
THE NEXUS THAT WILL BEING THEM TO GETHER

START WITH GROUNDWATER - MOST READILY AVAILABLE

FIND MAPPING AREA

GROUND WATER - PUBLIC HEALTH & SAFETY

GOALS OF THE COMMITTEES - HELP US / -

GRAVEL ISSUE-

SOIL MAPS- RESOURCES-

OUR MISSION STATEMENT FOR THE WATER QUALITY -
ATTAINABLE GOALS-
BRING IT TO THE BOARD ON THE 29TH
GROWTH POLICY, SUPPORT IT AND THE GENERAL SAFETY

NEXT MEETING

MAY 1ST -

NITRATES - DRINKING WATER

OUR INTENT / MISSION STATEMENT

WATER SHEDS

NITRATE DATA - GETTING THAT DATA AND HOW TO TACKLE A RESOLUTION

WHAT OUR GUIDANCE WILL BE -

THIS DATA HAS TO BE REVIEWED - HAMMER IT OUT-

ACCEPT PRIVATE DATA -

THE DATA IS FROM THE COUNTY-

ENVIRONMENTAL HEALTH - WITH GLEN - GET - STANDARD

STATE AGENCIES - CREDIBLY -

FROM THE COUNTY FILES

PLANNING BOARD - DATA -

ENTIRE BOARD - MAKE A RECOMMENDATION TO THE COMMISSIONERS, AS LONG AS IT CAME

FROM A CREDIBLE SOURCE, FROM PRIVATE ENTITIES AS LONG AS IT IS DEFENSIBLE DATA

FOR OUR MAPPING PROJECTS - IF PLANNING BOARD

A PROCESS -

DATA COMES IN

ANALYZED

PEER REVIEWED-

ACCEPTING PRIVATE DATA -

RESOLUTION - SPOT CHECKING -

LICENSED TO SURVEY - SUPPORT THE GROWTH POLICY -

FOCUS ON THE GROWTH POLICY

INFORMATION TO SUPPORT GROWTH - POLICIES - IN GENERAL WE WANT TO PROTECT--

VERIFY 99% OF THEM -

DECISION AND POLICY - SUPPORTED -

MAY 1ST

GROUND WATER -

SEPTICS BACT

SPACIAL BOUNDARIES

NITRATES

DENSITY

GUIDELINES / MISSION /

DESIGNING A MAPPING PLAN//////////

FORM FRAMEWORK 9AM