

6/19/08 John Ludlam (JL) and Linda
 7:30am Spry O'Rourke (LSO) of Earth
 Tech Grand Junction mob
 supplies for today's sampling.
 The task for today is to meet
 Chris Canfield (Cogcc) at his
 Rifle office, travel to the surface
 water sampling area for introduction
 and access to about a dozen
 surface water sampling locations.
 The Cogcc has sample bottles
 and analysis list. Earth Tech (ET)
 is providing assistance with collection.

7:45 Weather clear, breezy 75°F
 this morning at 6 am in G.J.
 Loaded supplies include a cooler
 with ice for sampling, COLs,
 field forms, surface ^{water} sampling
 arm, decon soap, gloves, etc.

08:58 Arrive Cogcc office in Rifle
 assist arranging sample bottles in cooler
 Each sample will consist of
 1 L amber nopena - for 8270C analysis
 3 40 ml UOAs for 8260B analysis
 3 40 ml UOAs for RSK175 methane analysis
 1 1L poly unpres for general chemistry
 1 500 ml poly unpres for diss. metals

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Steve (Cogcc) arrives, gather bottleware
 paperwork, plan logistics for the
 day.

Steve gets stainless steel spoons at store.
 We may collect soil or sediment samples
 if asked by landowners.

Full list of sample methods are provided
 by Chris

SW 8260B

SW 8270C

RSK175 methane

6010B - diss Ca, Fe, Mg, Mn, K, Na

6020 - diss Se

300.0A - Br, Cl, F, I, nitrate nitrite
 phosphate as P-ortho, Sulfate

2320 alkalinity, bicarbonate,
 alkalinity carbonate, alkalinity
 hydroxide, alkalinity total

2540 TDS

2510 Spec. conductance

4500 pH

S 14, 97W, R 6 = Prather Ned
 Prather Dick
 Prather Donna

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Prather Ranch

Neds Spring box, faucet, Stock pond -
(up to 3 samples - veg)

unnamed trib mckay gulch

Dicks Spring box, pond, faucets

Dannna Spring box, pond, faucets
also 6/19/08

Steve Cell: 303 548 2494

Chris temp cell 303 349 0148

finish planning, getting ice, packing
coolers into vehicles

11:45 leave COGEC office

JL and I (LS) will be sampling at
Prather Ranch today. Steve and
Chris will be sampling Latham Ranch
after the introduce us to landowners.
cell phones will be sporadically useful
due to remote area.

H+S tailgate meeting

- slips, trips, falls especially in wet
areas along streams
 - heat - drink fluids, temp in 90s
 - buddy system -
 - expected low conc. VOCs, gro, SVOCs
water and soil samples - gloves
 - insects, spiders, wasps
- Aruda Spry O'Rourke 6/19/08

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Prather Ranch

Field notes will be collected in this logbook,
data on field sampling report forms
GPS Survey log and COC

13:21 at N. Prather Ranch, meet Ned + Dick

14:12 L. Canfield has discussed situation
and sampling with Prathers

Ready to collect samples

Decon stainless steel spoon in
Mountain Clear Drinking water
and TSP-PH soap, Mountain Clear
driple rinse. Spoon in ziplock
bag to keep clean until use.

Walk up to Neds spring, go thru
fence (open gate) always above
spring. Take photo looking down
hill towards cabins/spring
nothing notable up here observed

1500 collect sample at spring, sample 10
Neds Spring. See Field Sampling form
no odor noted over water but odor
noted over sediment at ^{also looking} spring/seep
east of and 3 ft down stream from
Spring outfall. See photos

1512 Collect sediment sample here.

* TSP-PH phosphate free, all purpose heavy duty cleaner
SAVO GRAN brand Aruda Spry O'Rourke 6/19/08

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Prather Ranch

black (organic?) material on sediment
appears to be decaying plant matter

Sample ID "Neds Spring Sediment"
from surface to 3" depth. Collected
with stainless steel spoon

Samples placed on ice in cooler after labeled

15:40 decon sediment sample spoon
place back in bag to keep clean

15:40 collect Neds cabin bypass
sample, label, place on ice

16:16 collect Neds Pond North sample
along road, using extending
arm sample 6 ft from shore,
no disturbance to pond because
we were not standing in water
label bottles, put on ice

16:55 ~~Dick~~ ^{6/19/08} Ned shows us additional locations
to be sampled then leaves site
17:00 prep to hike to spring "Below Dicks
cabin" which has not been sampled
previously.

17:10 Collect spring sample "Below Dicks
cabin" which is what Dick suggested
sample be named. location actually
down valley from Dicks cabin but

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Prather Ranch

is uphill and on a side drainage. See gps
log for coordinates. Photos taken of actual
sample location. This spring is marshy
and about 20' x 40' wide where it comes
to surface then forms channel below
the 20' x 40' location. Label, ice samples

17:50 ^{6/19/08} Dick Ned arrives while we were at
Dicks cabin. He's heading home, won't
get to show us the other new spring
over ridgeline that he talked to
Chris about

17:55 Sample Dicks Cabin spring from
outside overflow. See photo log
Sampled from white pipe
Sample ID "Dicks cabin outside"
Sample labelled, on ice

18:20 Walk to Dicks pond, sample
6 ft from bank about 10 ft from
inflow, label, ice samples

18:40 drive to Donnas cabin, look for water
to cabin. Find stock tank

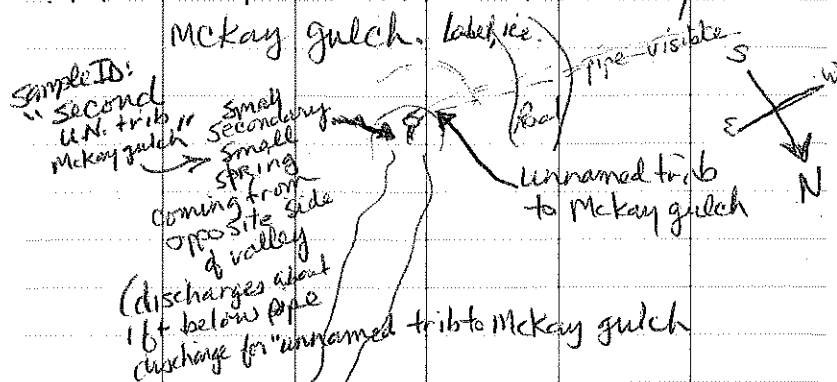
18:45 Sample Donnas Stock tank
label, ice samples

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- 1920 Walk Stream between Neds and Dicks Cabins, up Neds side of road. No notable odor or staining. Wide spot in stream with game tracks chosen for sampling. Sample ID "Below neds stock pond. Location is ~ half way between Road and Neds."
- 1940 Sample unnamed tributary to McKay gulch. label, ice.



- 1955 collect "Second U.N. trib to McKay gulch (U.N. = unnamed) sample. Label, ice

Separate GPS not recorded for "Second U.N. trib to McKay gulch" since it's only one foot away from location of "unnamed trib to McKay gulch" GPS location

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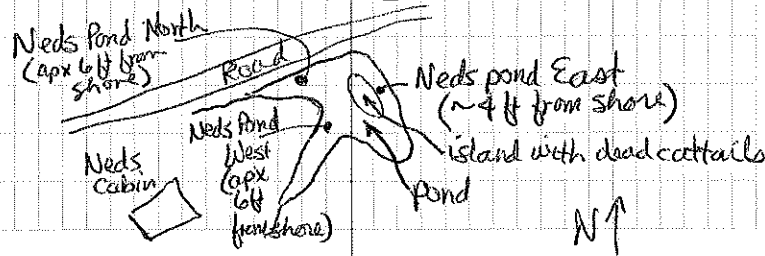
6/19/08 Prather Ranch

- 2020 Back at Neds pond to finish that sampling (2 more locations). Will sample east side and then west side

- 2025 Neds pond East sample between bank and dead cattails, ^{to ft 4 ft} from shore. label sample bottles, place on ice ^{also 6/19/08}

- 2042 arrive at last sample point Neds Pond West, at the side of pond where tributary ^{also 6/19/08} Neds spring and cabin bypass feed into pond

- 2045 Sample collection - Neds Pond West, labeled, iced. Reorg coolers for transport add ice to coolers



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6/19/08 Prather Ranch

21:00 Reorganize coolers, refresh ice in all, load truck, secure coolers

- Note: today surface water sampling has been done with 1 Lamber unprepared bottle ziptied to sampling arm. That bottle used to fill vial vials and poly bottles, then refilled for 8070. Typical sample took three fillings of the amber bottle to get all bottles filled.
- All vial samples at all sampling locations were filled with positive murex, capped, turned upside down and checked for bubbles. Samples were recollected if bubble present. No bubbles were noted in any of the samples (vials) sent to lab today.
- All samples were placed on ice that was in cooler with empty bottles as we walked in to locations. Coolers then consolidated at truck with more ice.

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Prather Ranch

21:20 Leave Prather Ranch. Very close to dark as we drive away.

21:32 Cell service for first time today.

Pick up msg from Steve and Chris. They are waiting in Parachute for us so Steve can transport samples to Test America in Denver tomorrow. Continue drive down.

Take a wrong turn, as discovered when we flagged down a water truck. Driver told us we were 5 miles past compressor station where we should have taken the other fork. Backtrack. Stop at guard shack at top of Garden Gulch Road. Guard records license plates, tells us bears were in dumpster shortly before we arrived, be on lookout. We were not stopped at lower guard house where they took our license plate this morning, no one there.

22:53 Arrive at test area in Parachute. Chris and Steve are waiting. Finish paperwork, relinquish samples to Steve at 23:10

23:15 Head for GJ. Total trip 175.5 miles
90:06 at ET office.

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