

King Salmon
m-504

841820

July 26 / 82

DM-28

Regional Trav. above
One-Way Creek.

(in Sinwa Limestones)

~~DM-A:~~

DM2T1-508

[outcrop
chip]

chip sample across 2 m
of yellow to rusty brown
weathering outcrop.

At soil sample MGBT2-309.

Sample is a grey sandstone,
(no carbonates) with
abundant ($\approx 29\%$) realgar
and orpiment disseminated
through rock, and
 $\approx 50\%$ realgar on
fracture planes.

Rock is non-fissile.

DM-B: DM2T1-509 [outcrop
chip]

chip sample across about
2m of yellow to rusty
brown weathering outcrop
right beside (East of) chip
sample DM-A.

Altered zone is \approx 10m
wide in outcrop.

At soil sample MG2T2-309

Sample is a greyish-
white sandstone with
abundant yellow orpiment
and some realgar on
fracture planes only
(not disseminated).

Rock is easily broken.

(K.S. Felsic intrusion)

DMC: DM2T1-510 [talus
chip]

chip sample across talus
below large rusty br.
weathering outcrop,
just below cliffs.
Near soil MGETC-319

Sample is an ugly
altered Sinwa limestone
weathering to limonite
(yellowish rusty brown)

(K.S. Breccia with
black siltstone
clasts (up to 1 cm
across) in rusty
siliceous(?) matrix.)

DM-D: DM2T1-510A

talus
hand
spec

hand spec. from talus
near MG2TR-321.

Sample is slightly
altered limestone.

(lamp it?) negative

(K.S. Talus is brown
silicified limestone,
locally brecciated,
bitumen on fractures)

~~DM-E~~: DMRT1-510B

talus
hand
spec

sample of talus below
limestone cliffs at
soil sample: MGRT2-327
(hand spec).

Sample is rusty
brown weathering
altered limestone
containing clear cubic
crystals (fluorite).

Weathers to limonite,
also brecciated.

1.

1.

Aug. 2/82DM-31

One-Way Creek Regional
(Fluorite follow-up)

~~DM-31~~ DM211-516 (outcrop
chip)

chip sample across ≈ 2 m
of yellowish brown weathering
outcrop just beside creek,
in fault zone. (has slickensides
on face of outcrop, strike = 170° ,
dip vertical, striations are
horizontal).

Sample probably originally
limestone, with abundant
calcite stringers and
weathering to limonite
(yellowish-brown). No sulphides
observed.

Rusty weathering possibly
iron carbonate.

DM B: DM2T1-517 (outcrop chip)

chip sample across ≈ 4 m
of yellowish brown weathering
outcrop in large fault
zone. (abundant slickensides,
many rock units weathering
diff. colors - purple to
limonite brown to reddish
brown to greyish white)
At soil sample MG2T2-417.

Sample is highly altered
rock (limestone?)

Minerals present are unidentified
~~Very grungy.~~

Also very sheared.

2.

DM-C: DM2T1-518

2. (outcrop)
chip

chip sample of
rusty brown weathering
outcrop in fault zone
≈ 20 m below DM-B

Sample is highly altered
rock, also very grungy.
Highly weathered.

(K.S. Breccia with large
clasts up to 2 cm,
possibly altered limestone)

DM-D

DM2T1-518A

(outcrop
hand
spec)

hand spec. from outcrop
of limestone conglomerate.

Has clasts of limestone,
calcite, and others that
weather to limonite.

3.

DM-E: DM2T1-519 (outcrop chip)

- samples of small outcrop amongst unaltered grey limestone, beside long talus shoot and below ($\approx 100\text{m}$) samples DM-B and DM-C.

Sample is a slightly altered sediment (Inklin sandstone?)

weathering reddish brown to yellow (like sulphides).
○ No sulphides observed.

(K.S. possibly light-green altered sandstone, $< 0.5\%$ black specks of unknown origin.)

~~(MG2T2-327?)~~

~~DMT~~ DM2T1-520 (talus chip)

Samples of talus below
limestone cliffs at soil
sample MG2T2 - 327.

Sample is an altered
limestone (?) containing
pods and stringers of
fluorite (cube crystals,
color clear or purple)
weathering a dull yellowish
brown.

Fluorite up to several %

4.

4. (Talus)
chip
* *DM-F: DM2T1-521

Samples of talus below
limestone cliffs at DM-F
(where fluorite was found).
Looks great!!

Sample is a limestone
~~conglomerate~~ (?) and alteration
with clasts of limestone,
disseminated pyrite in a
grey matrix; and limonite,
which causes sample to
weather a limonite brown.
No fluorite observed in
this sample.

(K.S. Rusty weathering
breccia with clasts of
limonite, altered limestone?
and grey breccia clast
with > 10% pyrite,
Some pyrite also noted in
matrix of rusty breccia)

~~DM-H~~: DMRTI-521A

(Talus
hand
spec.)

hand spec. from talus
at DM-F.

Sample is a slightly
altered conglomerate
with a sandstone
matrix.

Variety of clasts,
including grey feldspar
porphyry.

5.

~~DM-F~~ DM2T1-521B

(talus
hand
spec)

hand spec from talus
at DM-F.

Sample is a grey
unaltered limestone
showing crystals of
white fluorite (cubes)
and white calcite.

Fluorite also found on
relatively unaltered
limestone as well as
highly altered limestone.