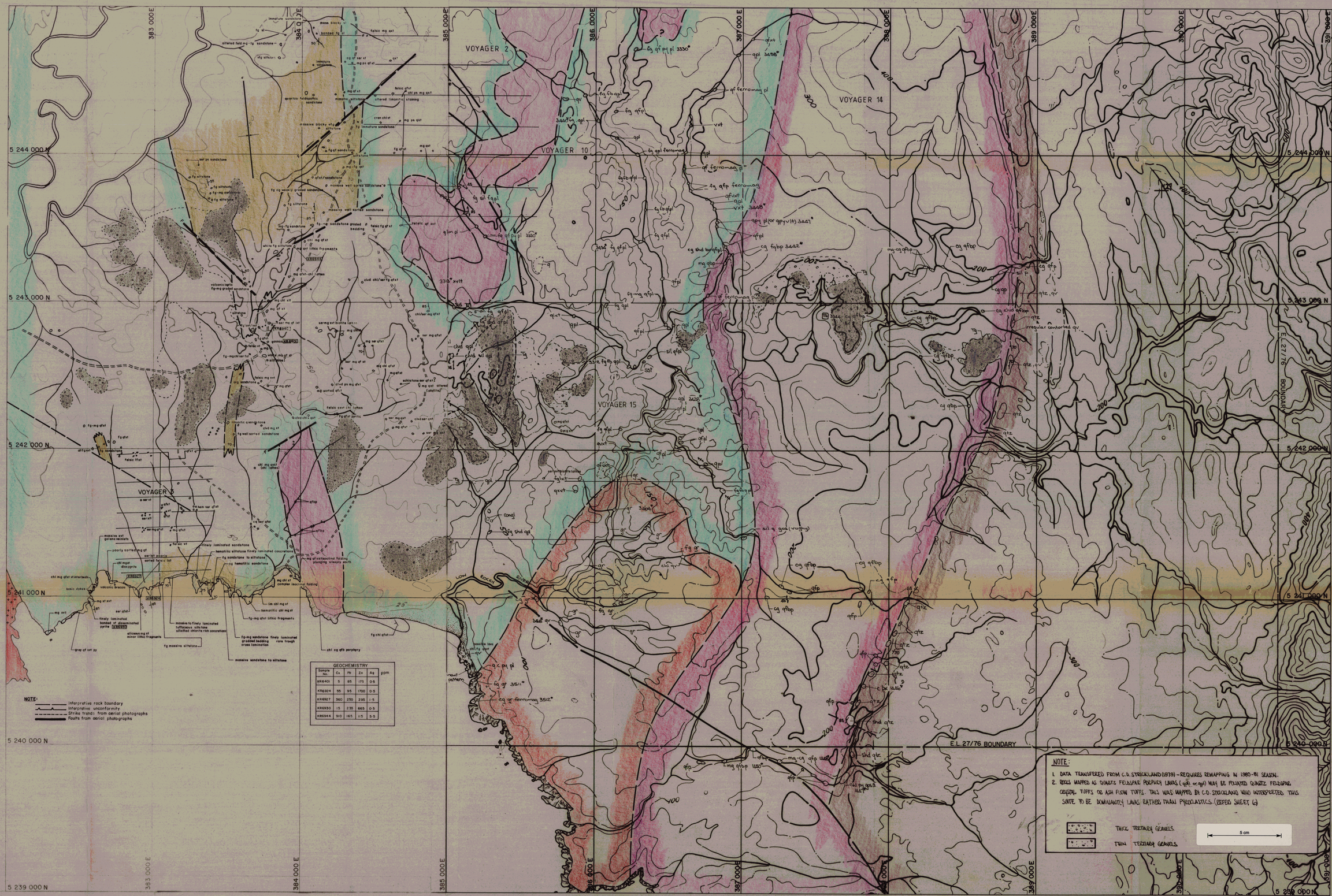

LEGEND:

VOLCANIC ROCKS
lt lithic tuff
vt crystal tuff
vt vitric tuff
xlt crystal lithic tuff
agg agglomerate rounded clasts 32 mm
fr fragmental angular clasts 32 mm
ut undifferentiated tuffs
t tuff
qp quartz porphyry
qfp quartz feldspar porphyry
qfbp quartz feldspar biotite porphyry
l a suffix denotes lava
lap lapilli
PREFIXES (no prefix indicates acid composition)
a acid
i intermediate
rhy rhyolite or rhyolitic
dac dacite or dacitic
and andesite or andesitic
b basalt or basaltic
bs basic

SEDIMENTARY ROCKS
sh shale
slt siltstone
bksh blackshale
sst sandstone
qtz quartzite
gwk greywacke
ch chert
lmst limestone
dol dolomite
sil silcrete
congl conglomerate
vs volcaniclastic sediment

METAMORPHIC ROCKS
phy phyllite
sch schist
gns gneiss
hfs hornfels
mb marble

INTRUSIVE ROCKS
gr granite
gd granodiorite
ad adamellite
dl dolerite
q/lamp lamprophyre
bd basic dyke
op opite
pg pegmatite
qv quartz veins

STRUCTURAL AND TEXTURAL
p porphyritic
cvd strongly cleaved
shd sheared
on oolitized
vns veined
lam laminated
bx brecciated
ccr cataclastic
vug vugular (vugty, vug)
cren crenulated

MINERALOGICAL PREFIXES (only use if diagnostic)
sil silicious
chl chlorite
ser sericitic
cal calcareous
fe ferruginous
py pyritic
hem, hm hematitic
gns gneissose
ox oxidised
arg argillic
feld feldspathic
ep epidote

GRAIN SIZE
fg fine grained 0 – 3 mm fragments
mg medium grained 3 – 10 mm fragments
cg coarse grained 10 – 32 mm fragments
agg agglomerate or vole breccia > 32

AGE DESIGNATION PREFIXES
Q Quaternary
T Tertiary
J Jurassic
TR Triassic
P Permian
D Devonian
S Silurian
O Ordovician
Є Cambrian
Pre Є Precambrian

STRUCTURAL
outcrop
float
bedding
strike/dip of flow layering in volcanic rocks "schistosity (metamorphic foliation)
fault
interpretive contact
jointing
cleavage
fold axis
vertical cleavage

GEOLOGICAL INTERPRETATION

Map No.
Qa QUATERNARY alluvium
19-70 Tg TERTIARY gravels and unconsolidated sediments
19-17 O ORDOVICIAN conglomerate and quartzite
CAMBRIAN
1. Tyndal Group Correlates
19-4 Grey shales and black shales
19-43 Reworked rhyolitic lithic tuffs and agglomerates
2. Dundas Group ?
19-26 Greywackes and shales

3. Mainwaring Group
a. Veridian Basic Volcanics
19-47 Andesitic to basaltic tuffs, lavas, lava breccias and tuffaceous shales
19-46 Dolomites and dolomitic shales
b. Sassy Creek Argillites
19-57 Phyllitic brown, grey shales, argillites, greywackes and minor black shales
c. Penders Tuffs
19-30 Rhyolitic crystal tuffs and minor chloritic sediments
d. Undifferentiated
19-51 Undifferentiated lithologies in the N.W. of the E.L. include, intermediate to basic volcanics, siltstones, conglomerates and tuffs

4. Lewis River Volcanics
a. Mort Hill Pyroclastics
19-29 Rhyolitic quartz-rich lithic and crystal tuffs, agglomerates, lavas and vitric tuffs
19-63 Quartz-pebble conglomerates quartzites and minor shales
19-67 Basic dykes and flows? intruding rhyolitic tuffs
19-10 Chlorite and/or sericite alteration of acid pyroclastics with 2 – 5% pyrite
b. Wanderer River Tuff
19-23 Pink hematitic rhyolitic crystal and lithic tuffs, minor lavas
c. Hudson River Pyroclastics
19-40 Chloritic quartz-feldspar crystal and lithic tuffs plus biotite bearing rhyolite porphyries (lavas?)
19-58 Shales, greywackes and fine tuffaceous sediments
d. Elliott Point Porphyry
19-22 Coarse grained quartz-feldspar-biotite porphyry probably a sub-volcanic intrusive
4. Cambrian Granites
19-19 Undifferentiated granite and granite porphyry
PRECAMBRIAN
19-65 Undifferentiated quartzites and meta sediments

DATE: OCT 1980
GEOLOGIST: GOS PSN
DRAWN: DB, RHo
CHECKED: RH

GEOPEKO
A DIVISION OF PEKO-WALLSEND OPERATIONS LTD
SCALE: 1:10,000
No. KT27/76-8 A

E.L. 27/76 002
ELLIOTT BAY, TASMANIA
GEOLOGICAL MAP

KT27/76-1	KT27/76-2
KT27/76-3	KT27/76-4
KT27/76-5	KT27/76-6
KT27/76-7	KT27/76-8

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PLAN-2