

HON. GORDON HILL, J.P., M.L.A.  
MINISTER FOR MINES  
D.R. KELLY, DIRECTOR GENERAL OF MINES



A horizontal number line with major tick marks at 0, 10, 20, 30, 40, and 50. The segment from 0 to 10 is labeled 'Metres' below the line. The segment from 10 to 50 is labeled 'Kilometres' below the line. There are minor tick marks between the major ones, representing 1000 metres intervals.

TRANSVERSE MERCATOR PROJECTION  
Grid lines indicate 50 000 metre interval of the Australian Map Grid Zone

Compilation and geology by I. R. Williams 1984-1989

Cartography by the Cartographic Services Branch, Surveys and Mapping Division, Department of Mines, Western Australia.

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Geological boundary	_____	
Inferred formation boundary	_____	
Inferred margin of Savory Basin	_____	
Fault	_____	
position accurate	_____	
position approximate	_____	
inferred	_____	
normal fault, slick on downthrow side	_____	
strike-slip with relative horizontal displacement	_____	
high-angle reverse fault	_____	
relative movement, up, down	_____	
Folds	_____	
anticline, with plunge	_____	
syncline	_____	
minor anticline	_____	
Bedding, measured	_____	
inclined	_____	
returned	_____	
horizontal	_____	
go intersected from aerial photography 0-10°	_____	
Direction of movement of sediment-bearing currents, from cross-bedding	_____	
Unconformity locality	_____	
Isotopic age determination site	_____	
Formed road	_____	
Track	_____	
Nonmetre	_____	
Aboriginal community	_____	
Abandoned	_____	
Drainage, ephemeral	_____	
Whitewater	_____	
Bore	_____	
Well	_____	
Windcatcher	_____	
Spring	_____	
Rockhole	_____	
Mound occurrence	_____	
Halls pseudomorphs	_____	
Barite	_____	

The diagram illustrates the geological time scale from the Phanerozoic eon to the present. It is divided into three main sections: Phanerozoic, Paleozoic, and Proterozoic, each with its own time scale and rock types.

**Phanerozoic** (0 to 250 Ma):

- Cenozoic** (0 to 66 Ma):
  - Quaternary** (0 to 2.6 Ma): Qa (Alluvium - clay, silt, sand, gravel; in drainage channels and adjacent flood plains), Qt (Laetianic deposits - clay, silt, sand, some clay and gravel; in part in clay lakes and claypans), Qc (Flood plain - sand, shales, conglomerate, silt, clay and no stone abundant, most of massive pebble gravel).
  - Cenozoic** (66 to 250 Ma): Ca (Alluvium - clay, silt, sand, gravel; quartz-oolitic veneer; sheet wash, cone, and low slope deposits), Cc (Valley calcareous, sheet carbonates, secondary aquifer calc), Ck (Consolidated calcareous, barren, sterile, siliceous).
- Palaeozoic** (250 to 540 Ma):
  - Lower Permian** (250 to 270 Ma): Pk (Many **PATERSON FORMATION**: glaucous diamictite, sandstone, conglomerate).

**Paleozoic** (250 to 540 Ma):

- Lower Permian** (250 to 270 Ma): Pk (Many **PATERSON FORMATION**: glaucous diamictite, sandstone, conglomerate).

**Proterozoic** (540 to 2500 Ma):

- 540 Ma**:
  - dt** (Dolerite dykes, various ages).
- 640 Ma**:
  - aj** (Medium- to coarse-grained dolerite, gabbro, granophyre, in sills, dykes, and small intrusions).
  - ba** (Basalt, amygdaloid basalt, fine-grained dolerite; in shallow-level sills, dykes and small intrusions).
- 870 Ma**:
  - Bourbon Hill - Hanging Rock** (Bha, Bhs, Bht, Bhu, Bhw, Bix, Bja, Bjb, Bjc, Bjd, Bje, Bjf, Bjg, Bjh, Bji, Bjj, Bjk, Bjl, Bjm, Bjn, Bjo, Bjp, Bjq, Bjr, Bjs, Bjt, Bju, Bjv, Bjw, Bjx, Bjy, Bjz, Bka, Bkb, Bkc, Bkd, Bke, Bkf, Bkg, Bkh, Bki, Bkj, Bkl, Bkm, Bkn, Bko, Bkp, Bkq, Bkr, Bks, Bkt, Bku, Bkv, Bkw, Bkx, Bky, Bkz, Bla, Blb, Blc, Bld, Ble, Blf, Blg, Blh, Bli, Blj, Blk, Blm, Bln, Blo, Blp, Blq, Blr, Bls, Blt, Blu, Blv, Blw, Blx, Bly, Blz, Bma, Bmb, Bmc, Bmd, Bme, Bmf, Bmg, Bmh, Bmi, Bmj, Bmk, Bml, Bmm, Bmn, Bmo, Bmp, Bmq, Bmr, Bms, Bmt, Bmu, Bmv, Bmw, Bmx, Bmy, Bmz, Bna, Bnb, Bnc, Bnd, Bne, Bnf, Bng, Bnh, Bni, Bnj, Bnk, Bnl, Bnm, Bnn, Bno, Bnp, Bnq, Bnr, Bns, Bnt, Bnu, Bnv, Bnw, Bnx, Bny, Bnz, Bpa, Bpb, Bpc, Bpd, Bpe, Bpf, Bpg, Bph, Bpi, Bpj, Bpk, Bpl, Bpm, Bpn, Bpo, Bpp, Bpq, Bpr, Bps, Bpt, Bpu, Bpv, Bpw, Bpx, Bpy, Bpz, Bqa, Bqb, Bqc, Bqd, Bqe, Bqf, Bqg, Bqh, Bqi, Bqj, Bqk, Bql, Bqm, Bqn, Bqo, Bqp, Bqq, Bqr, Bqs, Bqt, Bqu, Bqv, Bqw, Bqx, Bqy, Bqz, Bra, Brb, Brc, Brd, Bre, Brf, Brg, Brh, Bri, Brj, Brk, Brl, Brm, Brn, Bro, Brp, Brq, Brs, Brt, Bru, Brv, Brw, Brx, Bry, Brz, Bsa, Bsb, Bsc, Bsd, Bse, Bsf, Bsg, Bsh, Bsi, Bsj, Bsk, Bsl, Bsm, Bsn, Bso, Bsp, Bsq, Bsr, Bss, Bst, Bsu, Bsv, Bsw, Bsx, Bsy, Bsz, Bta, Btb, Btc, Btd, Bte, Btf, Btg, Bth, Bti, Btj, Btk, Btl, Btm, Btn, Bto, Btp, Btq, Btr, Bts, Btt, Btu, Btv, Btw, Btx, Bty, Btz, Bua, Bub, Buc, Bud, Bue, Buf, Bug, Buh, Bui, Buj, Buk, Bul, Bum, Bun, Buo, Bup, Buz, Bva, Bvb, Bvc, Bvd, Bve, Bvf, Bvg, Bvh, Bvi, Bvj, Bvk, Bvl, Bvm, Bvn, Bvo, Bvp, Bvq, Bvr, Bvs, Bvt, Bvu, Bvv, Bvw, Bvx, Bvy, Bvz, Bwa, Bwb, Bwc, Bwd, Bwe, Bwf, Bwg, Bwh, Bwi, Bwj, Bwk, Bwl, Bwm, Bwn, Bwo, Bwp, Bwq, Bwr, Bws, Bwt, Bwu, Bwv, Bww, Bwx, Bwy, Bwz, Bxa, Bxb, Bxc, Bxd, Bxe, Bxf, Bxg, Bxh, Bxi, Bxj, Bxk, Bxl, Bxm, Bxn, Bxo, Bxp, Bxq, Bxr, Bxs, Bxt, Bxu, Bxv, Bxw, Bxx, Bxy, Bxz, Bya, Byb, Byc, Byd, Bye, Byf, Byg, Byh, Byi, Byj, Byk, Byl, Bym, Byn, Byo, Byp, Byq, Byr, Bys, Byt, Byu, Byv, Byw, Byx, Byy, Byz, Bza, Bzb, Bzc, Bzd, Bze, Bzf, Bzg, Bzh, Bzi, Bzj, Bzk, Bzl, Bzm, Bzn, Bzo, Bzp, Bzq, Bzr, Bzs, Bzt, Bzu, Bzv, Bzw, Bzx, Bzy, Bzz).
- 900 Ma**:
  - KARARA FORMATION** (Ka, Kb, Kc, Kd, Ke, Kf, Kg, Kh, Ki, Kj, Kl, Km, Kn, Ko, Kp, Kq, Kr, Ks, Kt, Ku, Kv, Kw, Kx, Ky, Kz, Lla, Llb, Llc, Lld, Lle, Llf, Llg, Llh, Lli, Llj, Llk, Llm, Lln, Llo, Llp, Llq, Llr, Lls, Llt, Llu, Llv, Llw, Llx, Lly, Llz, Lma, Lmb, Lmc, Lmd, Lme, Lmf, Lmg, Lmh, Lmi, Lmj, Lmk, Lml, Lmm, Lmn, Lmo, Lmp, Lmq, Lmr, Lms, Lmt, Lmu, Lmv, Lmw, Lmx, Lmy, Lmz, Lna, Lnb, Lnc, Lnd, Lne, Lnf, Lng, Lnh, Lni, Lnj, Lnk, Lnl, Lnm, Lnn, Lno, Lnp, Lnq, Lnr, Lns, Lnt, Lnu, Lnv, Lnw, Lnx, Lny, Lnz, Lpa, Lpb, Lpc, Lpd, Lpe, Lpf, Lpg, Lph, Lpi, Lpj, Lpk, Lpl, Lpm, Lpn, Lpo, Lpp, Lpq, Lpr, Lps, Lpt, Lpu, Lpv, Lpw, Lpx, Lpy, Lpz, Lqa, Lqb, Lqc, Lqd, Lqe, Lqf, Lqg, Lqh, Lqi, Lqj, Lqk, Lql, Lqm, Lqn, Lqo, Lqp, Lqq, Lqr, Lqs, Lqt, Lqu, Lqv, Lqw, Lqx, Lqy, Lqz, Lra, Lrb, Lrc, Lrd, Lre, Lrf, Lrg, Lrh, Lri, Lrj, Lrk, Lrl, Lrm, Lrn, Lro, Lrp, Lrq, Lrr, Lrs, Lrt, Lru, Lrv, Lrw, Lrx, Lry, Lrz, Lsa, Lsb, Lsc, Lsd, Lse, Lsf, Lsg, Lsh, Lsi, Lsj, Lsk, Lsl, Lsm, Lsn, Lso, Lsp, Lsq, Lsr, Lss, Lst, Lsu, Lsv, Lsw, Lsx, Lsy, Lsz, Lta, Ltb, Ltc, Ltd, Lte, Ltf, Ltg, Lth, Lti, Ltj, Ltk, Ltl, Ltm, Ltn, Lto, Ltp, Ltq, Ltr, Lts, Ltu, Ltv, Ltw, Ltx, Lty, Ltz, Lua, Lub, Luc, Lud, Lue, Luf, Lug, Luh, Lui, Luj, Luk, Lul, Lum, Lun, Luo, Lup, Luz, Lva, Lvb, Lvc, Lvd, Lve, Lvf, Lvg, Lvh, Lvi, Lvj, Lvk, Lvl, Lvm, Lvn, Lvo, Lvp, Lvq, Lvr, Lvs, Lvt, Lvu, Lvv, Lvw, Lvx, Lvy, Lvz, Lwa, Lwb, Lwc, Lwd, Lwe, Lwf, Lwg, Lwh, Lwi, Lwj, Lwk, Lwl, Lwm, Lwn, Lwo, Lwp, Lwq, Lwr, Lws, Lwt, Lwu, Lwv, Lww, Lwx, Lwy, Lwz, Lxa, Lxb, Lxc, Lxd, Lxe, Lxf, Lxg, Lxh, Lxi, Lxj, Lxk, Lxl, Lxm, Lxn, Lxo, Lxp, Lxq, Lxr, Lxs, Lxt, Lxu, Lxv, Lxw, Lxx, Lxy, Lxz, Lya, Lyb, Lyc, Lyd, Lye, Lyf, Lyg, Lyh, Lyi, Lyj, Lyk, Lyl, Lym, Lyn, Lyo, Lyp, Lyq, Lyr, Lys, Lyt, Lyu, Lyv, Lyw, Lyx, Lyy, Lyz, Lza, Lzb, Lzc, Lzd, Lze, Lzf, Lzg, Lzh, Lzi, Lzj, Lzk, Lzl, Lzm, Lzn, Lzo, Lzp, Lzq, Lzr, Lzs, Lzt, Lzu, Lzv, Lzw, Lzx, Lzy, Lzz).

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