

GEOLOGICAL SURVEY

100° 05'

100° 00'

54° 55'

54° 55'

LEGEND

- 13 Medium to coarse, pink, massive, biotite granite; minor pegmatite; includes large amounts of granitized greenstone, and possibly some quartz-eye granite (11)
- 12 Basic complex: 12d, dark diorites, gabbros, and amphibolites; minor amounts of diabasic rock; 12e, garnetiferous quartz-gabbro. May include some of 10
- 11 Pink to greenish grey quartz-eye granite, in part coarse grained, but mainly medium to fine grained. May be older than 4
- 10 Garnetiferous diorite, gabbro, and amphibolitized rocks. May be older than 4, and genetically related to 1 and 3
- 9 Sparsely garnetiferous greywacke and arkose, largely altered to Kiasaynew-type gneiss; some basic intrusive rocks and lavas
- 8a, fine-grained, dark gneiss, minor pyroclastic and pillowed members; 8b, fine- to medium-grained diorites whose borders are gradational to gneiss
- 7a, 7b, 7c, 7d Mainly coarse-grained tuffs, breccias and agglomerates; 7b, finely bedded basic tuff; 7c, highly altered and carbonatized basic tuff and minor breccia; probably some undifferentiated intrusive rocks; 7d, dark, medium- to coarse-grained hornblende; gabbro, diorite, and feldspar-porphyr
- 6 Acidic lavas and pyroclastic rocks interbedded with large amounts of feldspathic sedimentary rocks; minor acidic intrusions; sediments more abundant to the east; 6a, rhyolite and related intrusions
- 4, 5, 6a, 6b, 6c, 6d, 6e, 6f, 6g, 6h, 6i, 6j, 6k, 6l, 6m, 6n, 6o, 6p, 6q, 6r, 6s, 6t, 6u, 6v, 6w, 6x, 6y, 6z, 6aa, 6ab, 6ac, 6ad, 6ae, 6af, 6ag, 6ah, 6ai, 6aj, 6ak, 6al, 6am, 6an, 6ao, 6ap, 6aq, 6ar, 6as, 6at, 6au, 6av, 6aw, 6ax, 6ay, 6az, 6ba, 6bb, 6bc, 6bd, 6be, 6bf, 6bg, 6bh, 6bi, 6bj, 6bk, 6bl, 6bm, 6bn, 6bo, 6bp, 6bq, 6br, 6bs, 6bt, 6bu, 6bv, 6bw, 6bx, 6by, 6bz, 6ca, 6cb, 6cc, 6cd, 6ce, 6cf, 6cg, 6ch, 6ci, 6cj, 6ck, 6cl, 6cm, 6cn, 6co, 6cp, 6cq, 6cr, 6cs, 6ct, 6cu, 6cv, 6cw, 6cx, 6cy, 6cz, 6da, 6db, 6dc, 6dd, 6de, 6df, 6dg, 6dh, 6di, 6dj, 6dk, 6dl, 6dm, 6dn, 6do, 6dp, 6dq, 6dr, 6ds, 6dt, 6du, 6dv, 6dw, 6dx, 6dy, 6dz, 6ea, 6eb, 6ec, 6ed, 6ee, 6ef, 6eg, 6eh, 6ei, 6ej, 6ek, 6el, 6em, 6en, 6eo, 6ep, 6eq, 6er, 6es, 6et, 6eu, 6ev, 6ew, 6ex, 6ey, 6ez, 6fa, 6fb, 6fc, 6fd, 6fe, 6ff, 6fg, 6fh, 6fi, 6fj, 6fk, 6fl, 6fm, 6fn, 6fo, 6fp, 6fq, 6fr, 6fs, 6ft, 6fu, 6fv, 6fw, 6fx, 6fy, 6fz, 6ga, 6gb, 6gc, 6gd, 6ge, 6gf, 6gg, 6gh, 6gi, 6gj, 6gk, 6gl, 6gm, 6gn, 6go, 6gp, 6gq, 6gr, 6gs, 6gt, 6gu, 6gv, 6gw, 6gx, 6gy, 6gz, 6ha, 6hb, 6hc, 6hd, 6he, 6hf, 6hg, 6hh, 6hi, 6hj, 6hk, 6hl, 6hm, 6hn, 6ho, 6hp, 6hq, 6hr, 6hs, 6ht, 6hu, 6hv, 6hw, 6hx, 6hy, 6hz, 6ia, 6ib, 6ic, 6id, 6ie, 6if, 6ig, 6ih, 6ii, 6ij, 6ik, 6il, 6im, 6in, 6io, 6ip, 6iq, 6ir, 6is, 6it, 6iu, 6iv, 6iw, 6ix, 6iy, 6iz, 6ja, 6jb, 6jc, 6jd, 6je, 6jf, 6jg, 6jh, 6ji, 6jj, 6jk, 6jl, 6jm, 6jn, 6jo, 6jp, 6jq, 6jr, 6js, 6jt, 6ju, 6jv, 6jw, 6jx, 6jy, 6jz, 6ka, 6kb, 6kc, 6kd, 6ke, 6kf, 6kg, 6kh, 6ki, 6kj, 6kk, 6kl, 6km, 6kn, 6ko, 6kp, 6kq, 6kr, 6ks, 6kt, 6ku, 6kv, 6kw, 6kx, 6ky, 6kz, 6la, 6lb, 6lc, 6ld, 6le, 6lf, 6lg, 6lh, 6li, 6lj, 6lk, 6ll, 6lm, 6ln, 6lo, 6lp, 6lq, 6lr, 6ls, 6lt, 6lu, 6lv, 6lw, 6lx, 6ly, 6lz, 6ma, 6mb, 6mc, 6md, 6me, 6mf, 6mg, 6mh, 6mi, 6mj, 6mk, 6ml, 6mm, 6mn, 6mo, 6mp, 6mq, 6mr, 6ms, 6mt, 6mu, 6mv, 6mw, 6mx, 6my, 6mz, 6na, 6nb, 6nc, 6nd, 6ne, 6nf, 6ng, 6nh, 6ni, 6nj, 6nk, 6nl, 6nm, 6nn, 6no, 6np, 6nq, 6nr, 6ns, 6nt, 6nu, 6nv, 6nw, 6nx, 6ny, 6nz, 6oa, 6ob, 6oc, 6od, 6oe, 6of, 6og, 6oh, 6oi, 6oj, 6ok, 6ol, 6om, 6on, 6oo, 6op, 6oq, 6or, 6os, 6ot, 6ou, 6ov, 6ow, 6ox, 6oy, 6oz, 6pa, 6pb, 6pc, 6pd, 6pe, 6pf, 6pg, 6ph, 6pi, 6pj, 6pk, 6pl, 6pm, 6pn, 6po, 6pp, 6pq, 6pr, 6ps, 6pt, 6pu, 6pv, 6pw, 6px, 6py, 6pz, 6qa, 6qb, 6qc, 6qd, 6qe, 6qf, 6qg, 6qh, 6qi, 6qj, 6qk, 6ql, 6qm, 6qn, 6qo, 6qp, 6qq, 6qr, 6qs, 6qt, 6qu, 6qv, 6qw, 6qx, 6qy, 6qz, 6ra, 6rb, 6rc, 6rd, 6re, 6rf, 6rg, 6rh, 6ri, 6rj, 6rk, 6rl, 6rm, 6rn, 6ro, 6rp, 6rq, 6rr, 6rs, 6rt, 6ru, 6rv, 6rw, 6rx, 6ry, 6rz, 6sa, 6sb, 6sc, 6sd, 6se, 6sf, 6sg, 6sh, 6si, 6sj, 6sk, 6sl, 6sm, 6sn, 6so, 6sp, 6sq, 6sr, 6ss, 6st, 6su, 6sv, 6sw, 6sx, 6sy, 6sz, 6ta, 6tb, 6tc, 6td, 6te, 6tf, 6tg, 6th, 6ti, 6tj, 6tk, 6tl, 6tm, 6tn, 6to, 6tp, 6tq, 6tr, 6ts, 6tt, 6tu, 6tv, 6tw, 6tx, 6ty, 6tz, 6ua, 6ub, 6uc, 6ud, 6ue, 6uf, 6ug, 6uh, 6ui, 6uj, 6uk, 6ul, 6um, 6un, 6uo, 6up, 6uq, 6ur, 6us, 6ut, 6uu, 6uv, 6uw, 6ux, 6uy, 6uz, 6va, 6vb, 6vc, 6vd, 6ve, 6vf, 6vg, 6vh, 6vi, 6vj, 6vk, 6vl, 6vm, 6vn, 6vo, 6vp, 6vq, 6vr, 6vs, 6vt, 6vu, 6vv, 6vw, 6vx, 6vy, 6vz, 6wa, 6wb, 6wc, 6wd, 6we, 6wf, 6wg, 6wh, 6wi, 6wj, 6wk, 6wl, 6wm, 6wn, 6wo, 6wp, 6wq, 6wr, 6ws, 6wt, 6wu, 6wv, 6ww, 6wx, 6wy, 6wz, 6xa, 6xb, 6xc, 6xd, 6xe, 6xf, 6xg, 6xh, 6xi, 6xj, 6xk, 6xl, 6xm, 6xn, 6xo, 6xp, 6xq, 6xr, 6xs, 6xt, 6xu, 6xv, 6xw, 6xx, 6xy, 6xz, 6ya, 6yb, 6yc, 6yd, 6ye, 6yf, 6yg, 6yh, 6yi, 6yj, 6yk, 6yl, 6ym, 6yn, 6yo, 6yp, 6yq, 6yr, 6ys, 6yt, 6yu, 6yv, 6yw, 6yx, 6yy, 6yz, 6za, 6zb, 6zc, 6zd, 6ze, 6zf, 6zg, 6zh, 6zi, 6zj, 6zk, 6zl, 6zm, 6zn, 6zo, 6zp, 6zq, 6zr, 6zs, 6zt, 6zu, 6zv, 6zw, 6zx, 6zy, 6zz
- 2 Argillite, greywacke, feldspathic quartzite, minor staurolite schist
- 1 Altered, basic, massive and pillowed flows and flow breccias (greenstones); minor pyroclastic rocks; indeterminate amounts of altered basic intrusions
- Feldspathized, silicified, and garnetized greenstones (1 and 3); minor sedimentary relics; some quartz-eye granite. Original characteristics of greenstones largely obliterated. Metamorphism believed to be related to quartz-eye granite (11)

- Bedding (inclined)
- Bedding (inclined, vertical) upper side of bed unknown
- Schistosity and gneissosity (inclined, vertical, dip unknown)
- Foliation (inclined, vertical, dip unknown)
- Direction and amount of plunge determined from linear elements
- Fault, shear zone (inclined, dip unknown)
- Anticlinal axis
- Synclinal axis
- Gold prospect
- Diamond drill hole

NOTE (1) Map-units 2, 13, and 12a, b, and c do not appear on this map, but are present in the larger Snow Lake map-area of which the Nor-Acme mine area forms a part.

NOTE (2) The detailed geology of the Northern Canada-Pioneer "Snow" group of claims is largely from a map supplied by Dr. N. S. Beaton of Northern Canada Mines Limited. Interpretations of lithology and structure, and locations of fault and shear zones are by J. M. Harrison.

Geology by J. M. Harrison, 1944, 1945.

100° 05'

100° 00'

PRELIMINARY MAP 46-9A

NOR-ACME MINE AREA
WEST OF PRINCIPAL MERIDIAN
MANITOBA

Scale: 1 inch to 1000 feet

1000' 500' 0 1000' 2000' 3000' 4000' 5000'

Surveyed and compiled by the Topographical Survey,
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