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## Geologic Map of Morrill County, Nebraska


James B. Swinehart

*University of Nebraska - Lincoln*, [jswinehart1@unl.edu](mailto:jswinehart1@unl.edu)

Robert Diffendal, Jr.

*University of Nebraska - Lincoln*, [rdiffendal1@unl.edu](mailto:rdiffendal1@unl.edu)

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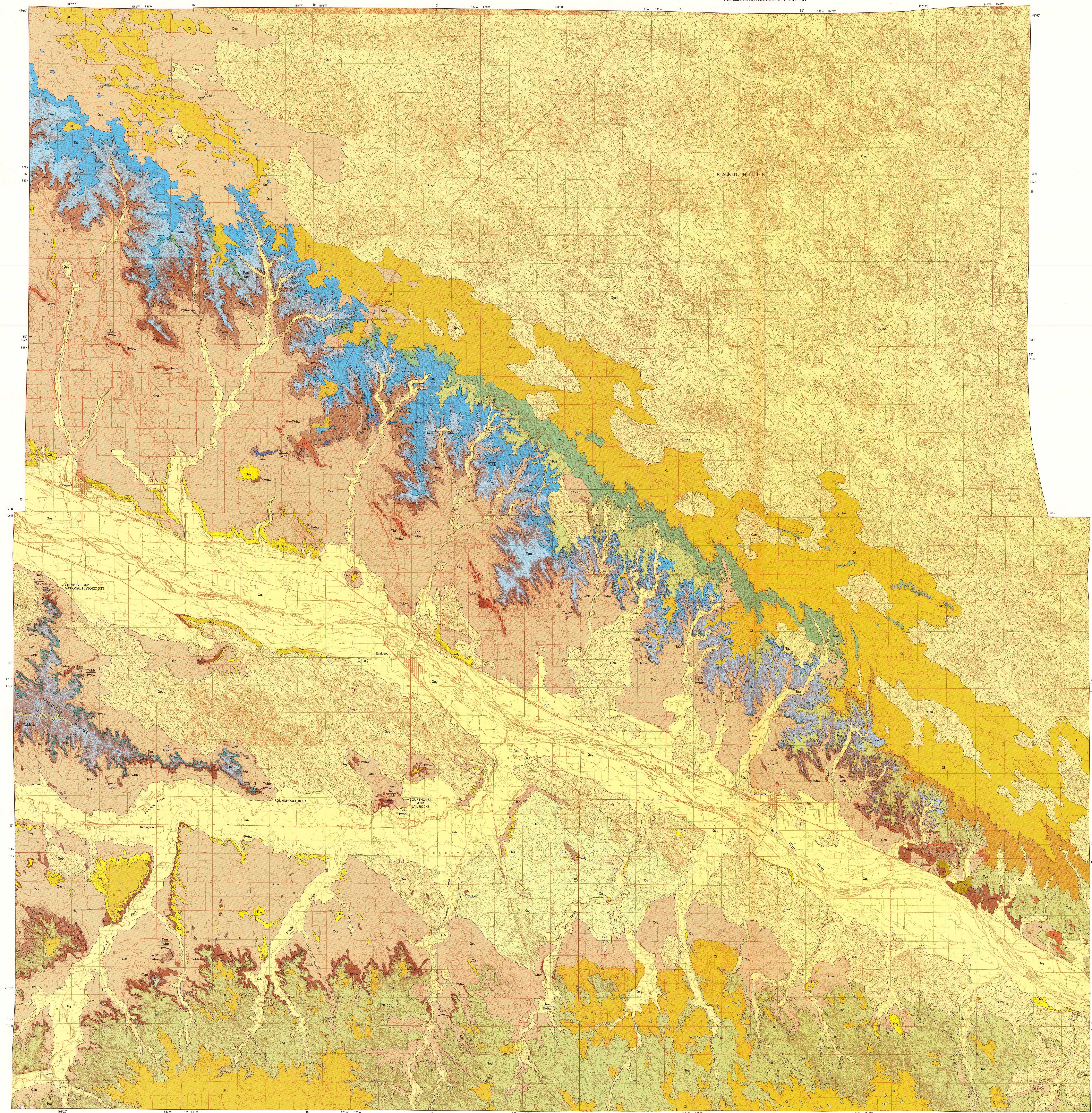
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Correlation of Map Units: A chart showing the correlation of geologic units between the Quaternary, Tertiary, and Cretaceous periods. It lists units such as Qa, Qb, Qc, Qd, Qe, Qf, Qg, Qh, Qj, Qk, Ql, Qm, Qn, Qo, Qp, Qq, Qr, Qs, Qt, Qu, Qv, Qw, Qx, Qy, Qz, T1, T2, T3, T4, T5, T6, T7, T8, T9, T10, T11, T12, T13, T14, T15, T16, T17, T18, T19, T20, T21, T22, T23, T24, T25, T26, T27, T28, T29, T30, T31, T32, T33, T34, T35, T36, T37, T38, T39, T40, T41, T42, T43, T44, T45, T46, T47, T48, T49, T50, T51, T52, T53, T54, T55, T56, T57, T58, T59, T60, T61, T62, T63, T64, T65, T66, T67, T68, T69, T70, T71, T72, T73, T74, T75, T76, T77, T78, T79, T80, T81, T82, T83, T84, T85, T86, T87, T88, T89, T90, T91, T92, T93, T94, T95, T96, T97, T98, T99, T100, C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C60, C61, C62, C63, C64, C65, C66, C67, C68, C69, C70, C71, C72, C73, C74, C75, C76, C77, C78, C79, C80, C81, C82, C83, C84, C85, C86, C87, C88, C89, C90, C91, C92, C93, C94, C95, C96, C97, C98, C99, C100.

DESCRIPTION OF MAP UNITS: A list of geologic units with their descriptions. Units include: Qa (Alluvium Holocene), Qb (Alluvium Holocene), Qc (Alluvium Holocene), Qd (Alluvium Holocene), Qe (Alluvium Holocene), Qf (Alluvium Holocene), Qg (Alluvium Holocene), Qh (Alluvium Holocene), Qj (Alluvium Holocene), Qk (Alluvium Holocene), Ql (Alluvium Holocene), Qm (Alluvium Holocene), Qn (Alluvium Holocene), Qo (Alluvium Holocene), Qp (Alluvium Holocene), Qq (Alluvium Holocene), Qr (Alluvium Holocene), Qs (Alluvium Holocene), Qt (Alluvium Holocene), Qu (Alluvium Holocene), Qv (Alluvium Holocene), Qw (Alluvium Holocene), Qx (Alluvium Holocene), Qy (Alluvium Holocene), Qz (Alluvium Holocene), T1 (Tertiary), T2 (Tertiary), T3 (Tertiary), T4 (Tertiary), T5 (Tertiary), T6 (Tertiary), T7 (Tertiary), T8 (Tertiary), T9 (Tertiary), T10 (Tertiary), T11 (Tertiary), T12 (Tertiary), T13 (Tertiary), T14 (Tertiary), T15 (Tertiary), T16 (Tertiary), T17 (Tertiary), T18 (Tertiary), T19 (Tertiary), T20 (Tertiary), T21 (Tertiary), T22 (Tertiary), T23 (Tertiary), T24 (Tertiary), T25 (Tertiary), T26 (Tertiary), T27 (Tertiary), T28 (Tertiary), T29 (Tertiary), T30 (Tertiary), T31 (Tertiary), T32 (Tertiary), T33 (Tertiary), T34 (Tertiary), T35 (Tertiary), T36 (Tertiary), T37 (Tertiary), T38 (Tertiary), T39 (Tertiary), T40 (Tertiary), T41 (Tertiary), T42 (Tertiary), T43 (Tertiary), T44 (Tertiary), T45 (Tertiary), T46 (Tertiary), T47 (Tertiary), T48 (Tertiary), T49 (Tertiary), T50 (Tertiary), T51 (Tertiary), T52 (Tertiary), T53 (Tertiary), T54 (Tertiary), T55 (Tertiary), T56 (Tertiary), T57 (Tertiary), T58 (Tertiary), T59 (Tertiary), T60 (Tertiary), T61 (Tertiary), T62 (Tertiary), T63 (Tertiary), T64 (Tertiary), T65 (Tertiary), T66 (Tertiary), T67 (Tertiary), T68 (Tertiary), T69 (Tertiary), T70 (Tertiary), T71 (Tertiary), T72 (Tertiary), T73 (Tertiary), T74 (Tertiary), T75 (Tertiary), T76 (Tertiary), T77 (Tertiary), T78 (Tertiary), T79 (Tertiary), T80 (Tertiary), T81 (Tertiary), T82 (Tertiary), T83 (Tertiary), T84 (Tertiary), T85 (Tertiary), T86 (Tertiary), T87 (Tertiary), T88 (Tertiary), T89 (Tertiary), T90 (Tertiary), T91 (Tertiary), T92 (Tertiary), T93 (Tertiary), T94 (Tertiary), T95 (Tertiary), T96 (Tertiary), T97 (Tertiary), T98 (Tertiary), T99 (Tertiary), T100 (Tertiary), C1 (Cretaceous), C2 (Cretaceous), C3 (Cretaceous), C4 (Cretaceous), C5 (Cretaceous), C6 (Cretaceous), C7 (Cretaceous), C8 (Cretaceous), C9 (Cretaceous), C10 (Cretaceous), C11 (Cretaceous), C12 (Cretaceous), C13 (Cretaceous), C14 (Cretaceous), C15 (Cretaceous), C16 (Cretaceous), C17 (Cretaceous), C18 (Cretaceous), C19 (Cretaceous), C20 (Cretaceous), C21 (Cretaceous), C22 (Cretaceous), C23 (Cretaceous), C24 (Cretaceous), C25 (Cretaceous), C26 (Cretaceous), C27 (Cretaceous), C28 (Cretaceous), C29 (Cretaceous), C30 (Cretaceous), C31 (Cretaceous), C32 (Cretaceous), C33 (Cretaceous), C34 (Cretaceous), C35 (Cretaceous), C36 (Cretaceous), C37 (Cretaceous), C38 (Cretaceous), C39 (Cretaceous), C40 (Cretaceous), C41 (Cretaceous), C42 (Cretaceous), C43 (Cretaceous), C44 (Cretaceous), C45 (Cretaceous), C46 (Cretaceous), C47 (Cretaceous), C48 (Cretaceous), C49 (Cretaceous), C50 (Cretaceous), C51 (Cretaceous), C52 (Cretaceous), C53 (Cretaceous), C54 (Cretaceous), C55 (Cretaceous), C56 (Cretaceous), C57 (Cretaceous), C58 (Cretaceous), C59 (Cretaceous), C60 (Cretaceous), C61 (Cretaceous), C62 (Cretaceous), C63 (Cretaceous), C64 (Cretaceous), C65 (Cretaceous), C66 (Cretaceous), C67 (Cretaceous), C68 (Cretaceous), C69 (Cretaceous), C70 (Cretaceous), C71 (Cretaceous), C72 (Cretaceous), C73 (Cretaceous), C74 (Cretaceous), C75 (Cretaceous), C76 (Cretaceous), C77 (Cretaceous), C78 (Cretaceous), C79 (Cretaceous), C80 (Cretaceous), C81 (Cretaceous), C82 (Cretaceous), C83 (Cretaceous), C84 (Cretaceous), C85 (Cretaceous), C86 (Cretaceous), C87 (Cretaceous), C88 (Cretaceous), C89 (Cretaceous), C90 (Cretaceous), C91 (Cretaceous), C92 (Cretaceous), C93 (Cretaceous), C94 (Cretaceous), C95 (Cretaceous), C96 (Cretaceous), C97 (Cretaceous), C98 (Cretaceous), C99 (Cretaceous), C100 (Cretaceous).

NEW <sup>40</sup>Ar/<sup>39</sup>Ar LASER FUSION ASH DATES FROM THE WILKIE RIDGE, WESTERN NEBRASKA: A table of radiometric dates for various ash samples. The table includes columns for Sample No., Age (Ma), and Weight (mg). Samples include 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 2693, 2694, 2695, 2696, 2697, 2698, 2699, 2700, 2701, 2702, 2703, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2711, 2712, 2713, 2714, 2715, 2716, 2717, 2718, 2719, 2720, 2721, 2722, 2723, 2724, 2725, 2726, 2727, 2728, 2729, 2730, 2731, 2732, 2733, 2734, 2735, 2736, 2737, 2738, 2739, 2740, 2741, 2742, 2743, 2744, 2745, 2746, 2747, 2748, 2749, 2750, 2751, 2752, 2753, 2754, 2755, 2756, 2757, 2758, 2759, 2760, 2761, 2762, 2763, 2764, 2765, 2766, 2767, 2768, 2769, 2770, 2771, 2772, 2773, 2774, 2775, 2776, 2777, 2778, 2779, 2780, 2781, 2782, 2783, 2784, 2785, 2786, 2787, 2788, 2789, 2790, 2791, 2792, 2793, 2794, 2795, 2796, 2797, 2798, 2799, 2800, 2801, 2802, 2803, 2804, 2805, 2806, 2807, 2808, 2809, 2810, 2811, 2812, 2813, 2814, 2815, 2816, 2817, 2818, 2819, 2820, 2821, 2822, 2823, 2824, 2825, 2826, 2827, 2828, 2829, 2830, 2831, 2832, 2833, 2834, 2835, 2836, 2837, 2838, 2839, 2840, 2841, 2842, 2843, 2844, 2845, 2846, 2847, 2848, 2849, 2850, 2851, 2852, 2853, 2854, 2855, 2856, 2857, 2858, 2859, 2860, 2861, 2862, 2863, 2864, 2865, 2866, 2867, 2868, 2869, 2870, 2871, 2872, 2873, 2874, 2875, 2876, 2877, 2878, 2879, 2880, 2881, 2882, 2883, 2884, 2885, 2886, 2887, 2888, 2889, 2890, 2891, 2892, 2893, 2894, 2895, 2896, 2897, 2898, 2899, 2900, 2901, 2902, 2903, 2904, 2905, 2906, 2907, 2908, 2909, 2910, 2911, 2912, 2913, 2914, 2915, 2916, 2917, 2918, 2919, 2920, 2921, 2922, 2923, 2924, 2925, 2926, 2927, 2928, 2929, 2930, 2931, 2932, 2933, 2934, 2935, 2936, 2937, 2938, 2939, 2940, 2941, 2942, 2943, 2944, 2945, 2946, 2947, 2948, 2949, 2950, 2951, 2952, 2953, 2954, 2955, 2956, 2957, 2958, 2959, 2960, 2961, 2962, 2963, 2964, 2965, 2966, 2967, 2968, 2969, 2970, 2971, 2972, 2973, 2974, 2975, 2976, 2977, 2978, 2979, 2980, 2981, 2982, 2983, 2984, 2985, 2986, 2987, 2988, 2989, 2990, 2991, 2992, 2993, 2994, 2995, 2996, 2997, 2998, 2999, 3000, 3001, 3002, 3003, 3004, 3005, 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3670, 3671, 3672, 3673, 3674, 3675, 3676, 3677, 3678, 3679, 3680, 3681, 3682, 3683, 3684, 3685, 3686, 3687, 3688, 3689, 3690, 3691, 3692, 3693, 3694, 3695, 3696, 3697, 3698, 3699, 3700, 3701, 3702, 3703, 3704, 3705, 3706, 3707, 3708, 3709, 3710, 3711, 3712, 3713, 3714, 3715, 3716, 3717, 3718, 3719, 3720, 3721, 3722, 3723, 3724, 3725, 3726, 3727, 3728, 3729, 3730, 3731, 3732, 3733, 3734, 3735, 3736, 3737, 3738, 3739, 3740, 3741, 3742, 3743, 3744, 3745, 3746, 3747, 3748, 3749, 3750, 3751, 3752, 3753, 3754, 3755, 3756, 3757, 3758, 3759, 3760, 3761, 3762, 3763, 3764, 3765, 3766, 3767, 3768, 3769, 3770, 3771, 3772, 3773, 3774, 3775, 3776, 3777, 3778, 3779, 3780, 3781, 3782, 3783, 3784, 3785, 3786, 3787, 3788, 3789, 3790, 3791, 3792, 3793, 3794, 3795, 3796, 3797, 3798, 3799, 3800, 3801, 3802, 3803, 3804, 3805, 3806, 3807, 3808, 3809, 3810, 3811, 3812, 3813, 3814, 3815, 3816, 3817, 3818, 3819, 3820, 3821, 3822, 3823, 3824, 3825, 3826, 3827, 3828, 3829, 3830, 3831, 3832, 3833, 3834, 3835, 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