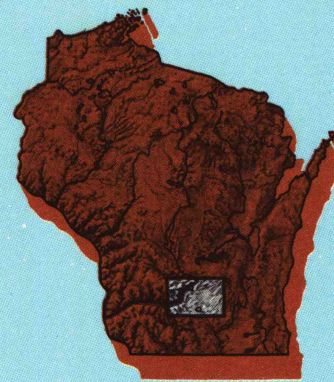


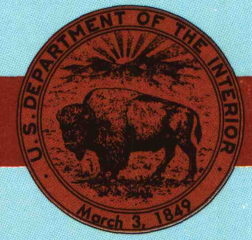
Madison  
WISCONSIN

1:100 000-scale metric  
topographic map



30 X 60 MINUTE QUADRANGLE  
SHOWING

- Contours and elevations in meters
- Highways, roads and other manmade structures
- Water features
- Woodland areas
- Geographic names



GEOLOGICAL SURVEY

1991

Produced by the United States Geological Survey  
Compiled from USGS 1:24 000-scale topographic maps dated 1962-1984. Planimetry revised from aerial photographs taken 1986 and other source data. Revised information not field checked. Map edited 1991.  
Projection and 10 000-meter grid, zone 16, Universal Transverse Mercator  
25 000-foot grid ticks based on Wisconsin coordinate system, south zone  
1927 North American Datum  
To place on the predicted North American Datum 1983, move the projection lines 4 meters north and 10 meters east  
There may be private inholdings within the boundaries of the National or State reservations shown on this map

CONTOUR INTERVAL 10 METERS  
NATIONAL GEODETIC VERTICAL DATUM OF 1929  
ELEVATIONS SHOWN TO THE NEAREST METER

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

| CONVERSION TABLE                             |         | DECLINATION DIAGRAM                                                                                    | ADJOINING MAPS |     |     |  |
|----------------------------------------------|---------|--------------------------------------------------------------------------------------------------------|----------------|-----|-----|--|
| Meters                                       | Feet    |                                                                                                        | 1              | 2   | 3   |  |
| 1                                            | 3.2808  |                                                                                                        | 1              | 2   | 3   |  |
| 2                                            | 6.5617  |                                                                                                        | 4              | 5   |     |  |
| 3                                            | 9.8425  |                                                                                                        |                |     |     |  |
| 4                                            | 13.1234 |                                                                                                        |                |     |     |  |
| 5                                            | 16.4042 |                                                                                                        |                |     |     |  |
| 6                                            | 19.6850 |                                                                                                        |                |     |     |  |
| 7                                            | 22.9659 |                                                                                                        |                |     |     |  |
| 8                                            | 26.2467 |                                                                                                        |                |     |     |  |
| 9                                            | 29.5275 |                                                                                                        |                |     |     |  |
| 10                                           | 32.8084 |                                                                                                        |                |     |     |  |
| To convert meters to feet multiply by 3.2808 |         | UTM grid convergence (GM) and 1991 magnetic declination (MD) at center of map. Diagram is approximate. |                |     |     |  |
| To convert feet to meters multiply by 0.3048 |         |                                                                                                        |                |     |     |  |
|                                              |         |                                                                                                        | 1              | 2   | 3   |  |
|                                              |         |                                                                                                        | 4              | 5   |     |  |
|                                              |         |                                                                                                        | 6              | 7   | 8   |  |
|                                              |         |                                                                                                        | 9              | 10  |     |  |
|                                              |         |                                                                                                        | 11             | 12  | 13  |  |
|                                              |         |                                                                                                        | 14             | 15  | 16  |  |
|                                              |         |                                                                                                        | 17             | 18  | 19  |  |
|                                              |         |                                                                                                        | 20             | 21  | 22  |  |
|                                              |         |                                                                                                        | 23             | 24  | 25  |  |
|                                              |         |                                                                                                        | 26             | 27  | 28  |  |
|                                              |         |                                                                                                        | 29             | 30  | 31  |  |
|                                              |         |                                                                                                        | 32             | 33  | 34  |  |
|                                              |         |                                                                                                        | 35             | 36  | 37  |  |
|                                              |         |                                                                                                        | 38             | 39  | 40  |  |
|                                              |         |                                                                                                        | 41             | 42  | 43  |  |
|                                              |         |                                                                                                        | 44             | 45  | 46  |  |
|                                              |         |                                                                                                        | 47             | 48  | 49  |  |
|                                              |         |                                                                                                        | 50             | 51  | 52  |  |
|                                              |         |                                                                                                        | 53             | 54  | 55  |  |
|                                              |         |                                                                                                        | 56             | 57  | 58  |  |
|                                              |         |                                                                                                        | 59             | 60  | 61  |  |
|                                              |         |                                                                                                        | 62             | 63  | 64  |  |
|                                              |         |                                                                                                        | 65             | 66  | 67  |  |
|                                              |         |                                                                                                        | 68             | 69  | 70  |  |
|                                              |         |                                                                                                        | 71             | 72  | 73  |  |
|                                              |         |                                                                                                        | 74             | 75  | 76  |  |
|                                              |         |                                                                                                        | 77             | 78  | 79  |  |
|                                              |         |                                                                                                        | 80             | 81  | 82  |  |
|                                              |         |                                                                                                        | 83             | 84  | 85  |  |
|                                              |         |                                                                                                        | 86             | 87  | 88  |  |
|                                              |         |                                                                                                        | 89             | 90  | 91  |  |
|                                              |         |                                                                                                        | 92             | 93  | 94  |  |
|                                              |         |                                                                                                        | 95             | 96  | 97  |  |
|                                              |         |                                                                                                        | 98             | 99  | 100 |  |
|                                              |         |                                                                                                        | 101            | 102 | 103 |  |
|                                              |         |                                                                                                        | 104            | 105 | 106 |  |
|                                              |         |                                                                                                        | 107            | 108 | 109 |  |
|                                              |         |                                                                                                        | 110            | 111 | 112 |  |
|                                              |         |                                                                                                        | 113            | 114 | 115 |  |
|                                              |         |                                                                                                        | 116            | 117 | 118 |  |
|                                              |         |                                                                                                        | 119            | 120 | 121 |  |
|                                              |         |                                                                                                        | 122            | 123 | 124 |  |
|                                              |         |                                                                                                        | 125            | 126 | 127 |  |
|                                              |         |                                                                                                        | 128            | 129 | 130 |  |
|                                              |         |                                                                                                        | 131            | 132 | 133 |  |
|                                              |         |                                                                                                        | 134            | 135 | 136 |  |
|                                              |         |                                                                                                        | 137            | 138 | 139 |  |
|                                              |         |                                                                                                        | 140            | 141 | 142 |  |
|                                              |         |                                                                                                        | 143            | 144 | 145 |  |
|                                              |         |                                                                                                        | 146            | 147 | 148 |  |
|                                              |         |                                                                                                        | 149            | 150 | 151 |  |
|                                              |         |                                                                                                        | 152            | 153 | 154 |  |
|                                              |         |                                                                                                        | 155            | 156 | 157 |  |
|                                              |         |                                                                                                        | 158            | 159 | 160 |  |
|                                              |         |                                                                                                        | 161            | 162 | 163 |  |
|                                              |         |                                                                                                        | 164            | 165 | 166 |  |
|                                              |         |                                                                                                        | 167            | 168 | 169 |  |
|                                              |         |                                                                                                        | 170            | 171 | 172 |  |
|                                              |         |                                                                                                        | 173            | 174 | 175 |  |
|                                              |         |                                                                                                        | 176            | 177 | 178 |  |
|                                              |         |                                                                                                        | 179            | 180 | 181 |  |
|                                              |         |                                                                                                        | 182            | 183 | 184 |  |
|                                              |         |                                                                                                        | 185            | 186 | 187 |  |
|                                              |         |                                                                                                        | 188            | 189 | 190 |  |
|                                              |         |                                                                                                        | 191            | 192 | 193 |  |
|                                              |         |                                                                                                        | 194            | 195 | 196 |  |
|                                              |         |                                                                                                        | 197            | 198 | 199 |  |
|                                              |         |                                                                                                        | 200            | 201 | 202 |  |
|                                              |         |                                                                                                        | 203            | 204 | 205 |  |
|                                              |         |                                                                                                        | 206            | 207 | 208 |  |
|                                              |         |                                                                                                        | 209            | 210 | 211 |  |
|                                              |         |                                                                                                        | 212            | 213 | 214 |  |
|                                              |         |                                                                                                        | 215            | 216 | 217 |  |
|                                              |         |                                                                                                        | 218            | 219 | 220 |  |
|                                              |         |                                                                                                        | 221            | 222 | 223 |  |
|                                              |         |                                                                                                        | 224            | 225 | 226 |  |
|                                              |         |                                                                                                        | 227            | 228 | 229 |  |
|                                              |         |                                                                                                        | 230            | 231 | 232 |  |
|                                              |         |                                                                                                        | 233            | 234 | 235 |  |
|                                              |         |                                                                                                        | 236            | 237 | 238 |  |
|                                              |         |                                                                                                        | 239            | 240 | 241 |  |
|                                              |         |                                                                                                        | 242            | 243 | 244 |  |
|                                              |         |                                                                                                        | 245            | 246 | 247 |  |
|                                              |         |                                                                                                        | 248            | 249 | 250 |  |
|                                              |         |                                                                                                        | 251            | 252 | 253 |  |
|                                              |         |                                                                                                        | 254            | 255 | 256 |  |
|                                              |         |                                                                                                        | 257            | 258 | 259 |  |
|                                              |         |                                                                                                        | 260            | 261 | 262 |  |
|                                              |         |                                                                                                        | 263            | 264 | 265 |  |
|                                              |         |                                                                                                        | 266            | 267 | 268 |  |
|                                              |         |                                                                                                        | 269            | 270 | 271 |  |
|                                              |         |                                                                                                        | 272            | 273 | 274 |  |
|                                              |         |                                                                                                        | 275            | 276 | 277 |  |
|                                              |         |                                                                                                        | 278            | 279 | 280 |  |
|                                              |         |                                                                                                        | 281            | 282 | 283 |  |
|                                              |         |                                                                                                        | 284            | 285 | 286 |  |
|                                              |         |                                                                                                        | 287            | 288 | 289 |  |
|                                              |         |                                                                                                        | 290            | 291 | 292 |  |
|                                              |         |                                                                                                        | 293            | 294 | 295 |  |
|                                              |         |                                                                                                        | 296            | 297 | 298 |  |
|                                              |         |                                                                                                        | 299            | 300 | 301 |  |
|                                              |         |                                                                                                        | 302            | 303 | 304 |  |
|                                              |         |                                                                                                        | 305            | 306 | 307 |  |
|                                              |         |                                                                                                        | 308            | 309 | 310 |  |
|                                              |         |                                                                                                        | 311            | 312 | 313 |  |
|                                              |         |                                                                                                        | 314            | 315 | 316 |  |
|                                              |         |                                                                                                        | 317            | 318 | 319 |  |
|                                              |         |                                                                                                        | 320            | 321 | 322 |  |
|                                              |         |                                                                                                        | 323            | 324 | 325 |  |
|                                              |         |                                                                                                        | 326            | 327 | 328 |  |
|                                              |         |                                                                                                        | 329            | 330 | 331 |  |
|                                              |         |                                                                                                        | 332            | 333 | 334 |  |
|                                              |         |                                                                                                        | 335            | 336 | 337 |  |
|                                              |         |                                                                                                        | 338            | 339 | 340 |  |
|                                              |         |                                                                                                        | 341            | 342 | 343 |  |
|                                              |         |                                                                                                        | 344            | 345 | 346 |  |
|                                              |         |                                                                                                        | 347            | 348 | 349 |  |
|                                              |         |                                                                                                        | 350            | 351 | 352 |  |
|                                              |         |                                                                                                        | 353            | 354 | 355 |  |
|                                              |         |                                                                                                        | 356            | 357 | 358 |  |
|                                              |         |                                                                                                        | 359            | 360 | 361 |  |
|                                              |         |                                                                                                        | 362            | 363 | 364 |  |
|                                              |         |                                                                                                        | 365            | 366 | 367 |  |
|                                              |         |                                                                                                        | 368            | 369 | 370 |  |
|                                              |         |                                                                                                        | 371            | 372 | 373 |  |
|                                              |         |                                                                                                        | 374            | 375 | 376 |  |
|                                              |         |                                                                                                        | 377            | 378 | 379 |  |
|                                              |         |                                                                                                        | 380            | 381 | 382 |  |
|                                              |         |                                                                                                        | 383            | 384 | 385 |  |
|                                              |         |                                                                                                        | 386            | 387 | 388 |  |
|                                              |         |                                                                                                        | 389            | 390 | 391 |  |
|                                              |         |                                                                                                        | 392            | 393 | 394 |  |
|                                              |         |                                                                                                        | 395            | 396 | 397 |  |
|                                              |         |                                                                                                        | 398            | 399 | 400 |  |
|                                              |         |                                                                                                        | 401            | 402 | 403 |  |
|                                              |         |                                                                                                        | 404            | 405 | 406 |  |
|                                              |         |                                                                                                        | 407            | 408 | 409 |  |
|                                              |         |                                                                                                        | 410            | 411 | 412 |  |
|                                              |         |                                                                                                        | 413            | 414 | 415 |  |
|                                              |         |                                                                                                        | 416            | 417 | 418 |  |
|                                              |         |                                                                                                        | 419            | 420 | 421 |  |
|                                              |         |                                                                                                        | 422            | 423 | 424 |  |
|                                              |         |                                                                                                        | 425            | 426 | 427 |  |
|                                              |         |                                                                                                        | 428            | 429 | 430 |  |
|                                              |         |                                                                                                        | 431            | 432 | 433 |  |
|                                              |         |                                                                                                        | 434            | 435 | 436 |  |
|                                              |         |                                                                                                        | 437            | 438 | 439 |  |
|                                              |         |                                                                                                        | 440            | 441 | 442 |  |
|                                              |         |                                                                                                        | 443            | 444 | 445 |  |
|                                              |         |                                                                                                        | 446            | 447 | 448 |  |
|                                              |         |                                                                                                        | 449            | 450 | 451 |  |
|                                              |         |                                                                                                        | 452            | 453 | 454 |  |
|                                              |         |                                                                                                        | 455            | 456 | 457 |  |
|                                              |         |                                                                                                        | 458            | 459 | 460 |  |
|                                              |         |                                                                                                        | 461            | 462 | 463 |  |
|                                              |         |                                                                                                        | 464            | 465 | 466 |  |
|                                              |         |                                                                                                        | 467            | 468 | 469 |  |
|                                              |         |                                                                                                        | 470            | 471 | 472 |  |
|                                              |         |                                                                                                        | 473            | 474 | 475 |  |
|                                              |         |                                                                                                        | 476            | 477 | 478 |  |
|                                              |         |                                                                                                        | 479            | 480 | 481 |  |
|                                              |         |                                                                                                        | 482            | 483 | 484 |  |
|                                              |         |                                                                                                        | 485            | 486 | 487 |  |
|                                              |         |                                                                                                        | 488            | 489 | 490 |  |
|                                              |         |                                                                                                        | 491            | 492 | 493 |  |
|                                              |         |                                                                                                        | 494            | 495 | 496 |  |
|                                              |         |                                                                                                        | 497            | 498 | 499 |  |
|                                              |         |                                                                                                        | 500            | 501 | 502 |  |
|                                              |         |                                                                                                        | 503            | 504 | 505 |  |
|                                              |         |                                                                                                        | 506            | 507 | 508 |  |
|                                              |         |                                                                                                        | 509            | 510 | 511 |  |
|                                              |         |                                                                                                        | 512            | 513 | 514 |  |
|                                              |         |                                                                                                        | 515            | 516 | 517 |  |
|                                              |         |                                                                                                        | 518            | 519 | 520 |  |
|                                              |         | 521                                                                                                    | 522            | 523 |     |  |
|                                              |         | 524                                                                                                    | 525            | 526 |     |  |
|                                              |         | 527                                                                                                    | 528            | 529 |     |  |
|                                              |         | 530                                                                                                    | 531            | 532 |     |  |
|                                              |         | 533                                                                                                    | 534            | 535 |     |  |
|                                              |         | 536                                                                                                    | 537            | 538 |     |  |
|                                              |         | 539                                                                                                    | 540            | 541 |     |  |
|                                              |         | 542                                                                                                    | 543            | 544 |     |  |
|                                              |         | 545                                                                                                    | 546            | 547 |     |  |
|                                              |         | 548                                                                                                    | 549            | 550 |     |  |
|                                              |         | 551                                                                                                    | 552            | 553 |     |  |
|                                              |         | 554                                                                                                    | 555            | 556 |     |  |
|                                              |         | 557                                                                                                    | 558            | 559 |     |  |
|                                              |         | 560                                                                                                    | 561            | 562 |     |  |
|                                              |         | 563                                                                                                    | 564            | 565 |     |  |
|                                              |         | 566                                                                                                    | 567            | 568 |     |  |
|                                              |         | 569                                                                                                    | 570            | 571 |     |  |
|                                              |         | 572                                                                                                    | 573            | 574 |     |  |
|                                              |         | 575                                                                                                    | 576            | 577 |     |  |
|                                              |         | 578                                                                                                    | 579            | 580 |     |  |
|                                              |         | 581                                                                                                    | 582            | 583 |     |  |
|                                              |         | 584                                                                                                    | 585            | 586 |     |  |
|                                              |         | 587                                                                                                    | 588            | 589 |     |  |
|                                              |         | 590                                                                                                    | 591            | 592 |     |  |
|                                              |         | 593                                                                                                    | 594            | 595 |     |  |
|                                              |         | 596                                                                                                    | 597            | 598 |     |  |
|                                              |         | 599                                                                                                    | 600            | 601 |     |  |
|                                              |         | 602                                                                                                    | 603            | 604 |     |  |
|                                              |         | 605                                                                                                    | 606            | 607 |     |  |
|                                              |         | 608                                                                                                    | 609            | 610 |     |  |
|                                              |         | 611                                                                                                    | 612            | 613 |     |  |
|                                              |         | 614                                                                                                    | 615            | 616 |     |  |
|                                              |         | 617                                                                                                    | 618            | 619 |     |  |
|                                              |         | 620                                                                                                    | 621            | 622 |     |  |
|                                              |         | 623                                                                                                    | 624            | 625 |     |  |
|                                              |         | 626                                                                                                    | 627            | 628 |     |  |
|                                              |         | 629                                                                                                    | 630            | 631 |     |  |
|                                              |         | 632                                                                                                    | 633            | 634 |     |  |
|                                              |         | 635                                                                                                    | 636            | 637 |     |  |
|                                              |         | 638                                                                                                    | 639            | 640 |     |  |
|                                              |         | 641                                                                                                    | 642            | 643 |     |  |
|                                              |         | 644                                                                                                    | 645            | 646 |     |  |
|                                              |         | 647                                                                                                    | 648            | 649 |     |  |
|                                              |         | 650                                                                                                    | 651            | 652 |     |  |
|                                              |         | 653                                                                                                    | 654            | 655 |     |  |
|                                              |         | 656                                                                                                    | 657            | 658 |     |  |
|                                              |         | 659                                                                                                    | 660            | 661 |     |  |
|                                              |         | 662                                                                                                    | 663            | 664 |     |  |
|                                              |         | 665                                                                                                    | 666            | 667 |     |  |
|                                              |         | 668                                                                                                    | 669            | 670 |     |  |
|                                              |         | 671                                                                                                    | 672            | 673 |     |  |
|                                              |         | 674                                                                                                    | 675            | 676 |     |  |
|                                              |         | 677                                                                                                    | 678            | 679 |     |  |
|                                              |         | 680                                                                                                    | 681            | 682 |     |  |
|                                              |         | 683                                                                                                    | 684            | 685 |     |  |
|                                              |         | 686                                                                                                    | 687            | 688 |     |  |
|                                              |         | 689                                                                                                    | 690            | 691 |     |  |
|                                              |         | 692                                                                                                    | 693            | 694 |     |  |
|                                              |         | 695                                                                                                    | 696            | 697 |     |  |
|                                              |         | 698                                                                                                    | 699            | 700 |     |  |
|                                              |         | 701                                                                                                    | 702            | 703 |     |  |
|                                              |         | 704                                                                                                    | 705            | 706 |     |  |
|                                              |         | 707                                                                                                    | 708            | 709 |     |  |
|                                              |         | 710                                                                                                    | 711            | 712 |     |  |
|                                              |         | 713                                                                                                    | 714            | 715 |     |  |
|                                              |         | 716                                                                                                    | 717            | 718 |     |  |
|                                              |         | 719                                                                                                    | 720            | 721 |     |  |
|                                              |         | 722                                                                                                    | 723            | 724 |     |  |
|                                              |         | 725                                                                                                    | 726            | 727 |     |  |
|                                              |         | 728                                                                                                    | 729            | 730 |     |  |
|                                              |         | 731                                                                                                    | 732            | 733 |     |  |
|                                              |         | 734                                                                                                    | 735            | 736 |     |  |
|                                              |         | 737                                                                                                    | 738            | 739 |     |  |
|                                              |         | 740                                                                                                    | 741            | 742 |     |  |
|                                              |         | 743                                                                                                    | 744            | 745 |     |  |
|                                              |         | 746                                                                                                    | 747            | 748 |     |  |
|                                              |         | 749                                                                                                    | 750            | 751 |     |  |
|                                              |         | 752                                                                                                    | 753            | 754 |     |  |
|                                              |         | 755                                                                                                    | 756            | 757 |     |  |
|                                              |         | 758                                                                                                    | 759            | 760 |     |  |
|                                              |         | 761                                                                                                    | 762            | 763 |     |  |
|                                              |         | 764                                                                                                    | 765            | 766 |     |  |
|                                              |         | 767                                                                                                    | 768            | 769 |     |  |
|                                              |         | 770                                                                                                    | 771            | 772 |     |  |
|                                              |         | 773                                                                                                    | 774            | 775 |     |  |
|                                              |         | 776                                                                                                    | 777            | 778 |     |  |
|                                              |         | 779                                                                                                    | 780            | 781 |     |  |
|                                              |         | 782                                                                                                    | 783            | 784 |     |  |
|                                              |         | 785                                                                                                    | 786            | 787 |     |  |
|                                              |         | 788                                                                                                    | 789            | 790 |     |  |
|                                              |         | 791                                                                                                    | 792            | 793 |     |  |
|                                              |         | 794                                                                                                    | 795            | 796 |     |  |
|                                              |         | 797                                                                                                    | 798            | 799 |     |  |
|                                              |         | 800                                                                                                    | 801            | 802 |     |  |
|                                              |         | 803                                                                                                    | 804            | 805 |     |  |
|                                              |         | 806                                                                                                    | 807            | 808 |     |  |
|                                              |         | 809                                                                                                    | 810            | 811 |     |  |
|                                              |         | 812                                                                                                    | 813            | 814 |     |  |
|                                              |         | 815                                                                                                    | 816            | 817 |     |  |
|                                              |         | 818                                                                                                    | 819            | 820 |     |  |
|                                              |         | 821                                                                                                    | 822            | 823 |     |  |
|                                              |         | 824                                                                                                    | 825            | 826 |     |  |
|                                              |         | 827                                                                                                    | 828            | 829 |     |  |
|                                              |         | 830                                                                                                    | 831            | 832 |     |  |
|                                              |         | 833                                                                                                    | 834            | 835 |     |  |
|                                              |         | 836                                                                                                    | 837            | 838 |     |  |
|                                              |         | 839                                                                                                    | 840            | 841 |     |  |
|                                              |         | 842                                                                                                    | 843            | 844 |     |  |
|                                              |         | 845                                                                                                    | 846            | 847 |     |  |
|                                              |         | 848                                                                                                    | 849            | 850 |     |  |
|                                              |         | 851                                                                                                    | 852            | 853 |     |  |
|                                              |         | 854                                                                                                    | 855            | 856 |     |  |
|                                              |         | 857                                                                                                    | 858            | 859 |     |  |
|                                              |         | 860                                                                                                    | 861            | 862 |     |  |
|                                              |         | 863                                                                                                    | 864            | 865 |     |  |
|                                              |         | 866                                                                                                    | 867            | 868 |     |  |
|                                              |         | 869                                                                                                    | 870            | 871 |     |  |
|                                              |         | 872                                                                                                    | 873            | 874 |     |  |
|                                              |         | 875                                                                                                    | 876            | 877 |     |  |
|                                              |         | 878                                                                                                    | 879            | 880 |     |  |
|                                              |         | 881                                                                                                    | 882            | 883 |     |  |
|                                              |         | 884                                                                                                    | 885            | 886 |     |  |
|                                              |         | 887                                                                                                    | 888            | 889 |     |  |
|                                              |         | 890                                                                                                    | 891            | 892 |     |  |
|                                              |         | 893                                                                                                    | 894            | 895 |     |  |
|                                              |         | 896                                                                                                    | 897            | 898 |     |  |
|                                              |         | 899                                                                                                    | 900            | 901 |     |  |
|                                              |         | 902                                                                                                    | 903            | 904 |     |  |
|                                              |         | 905                                                                                                    | 906            | 907 |     |  |
|                                              |         | 908                                                                                                    | 909            | 910 |     |  |
|                                              |         | 911                                                                                                    | 912            |     |     |  |