

1 Sub 1 to 2020 RES-419

2 **AFFIRMING THE DANE COUNTY LAKE LEVEL MANAGEMENT GUIDE FOR THE YAHARA**  
3 **CHAIN OF LAKES**

4 Lake level management of the four major lakes in Dane County (Lake Mendota, Lake Monona,  
5 Lake Waubesa and Lake Kegonsa) is a challenging task, complicated by the occurrence of  
6 extreme rainfall events ~~and a wide range of public opinion on preferred levels.~~

7 Managing lakes to reduce severity and occurrence of flood events is a goal that our community  
8 supports. Following the 2018 flood event, Dane County convened a technical work group  
9 consisting of experts from Dane County, City of Madison, University of Wisconsin-Madison, and  
10 Wisconsin Department of Natural Resources to evaluate and model scenarios to improve flood  
11 resiliency. The technical work group produced a report that was subsequently used ~~be by~~ a task  
12 force to review the findings and make policy recommendations.

~~13 The County Board adopted Res-227, 2018. The task force included a recommendation that was  
not previously vetted by the technical work~~

~~14~~ 14 ~~15~~ 15 ~~16~~ 16 ~~17~~ 17 ~~18~~ 18 group which ~~is stated as follows:~~ "Dane County will continue to implement any tools that may be  
available to lower lake levels to DNR designated seasonal minimum levels as soon as possible  
and work to maintain lakes at that level. This directive will be implemented where possible and  
to the extent that managing any given lake will not create flooding on other lakes or other  
unintended consequences." ~~Similar language was also adopted in Res-227, 2018.~~

Formatted: Left, Indent: Left: 0.08", Hanging: 0.41",  
Space Before: 8.45 pt

~~19 In 2020, additional analysis was conducted by the technical work group to review summer  
20 minimum and midrange operation to determine if managing at the two different levels impacted  
21 flooding. The conclusions drawn from the analysis revealed that operating at either summer~~

~~22~~ 22 ~~23~~ 23 ~~24~~ 24 ~~25~~ 25 ~~26~~ 26 ~~27~~ 27 ~~28~~ 28 ~~29~~ 29 ~~30~~ 30 ~~31~~ 31 ~~32~~ 32 ~~33~~ 33 ~~34~~ 34 ~~35~~ 35 ~~36~~ 36 ~~37~~ 37 ~~38~~ 38 ~~39~~ 39 ~~40~~ 40 ~~41~~ 41 ~~42~~ 42 ~~43~~ 43 ~~44~~ 44 ~~45~~ 45 ~~46~~ 46 ~~47~~ 47 ~~48~~ 48 ~~49~~ 49 ~~50~~ 50 ~~51~~ 51 ~~52~~ 52 ~~53~~ 53 ~~54~~ 54 ~~55~~ 55 ~~56~~ 56 ~~57~~ 57 ~~58~~ 58 ~~59~~ 59 ~~60~~ 60 ~~61~~ 61 ~~62~~ 62 ~~63~~ 63 ~~64~~ 64 ~~65~~ 65 ~~66~~ 66 ~~67~~ 67 ~~68~~ 68 ~~69~~ 69 ~~70~~ 70 ~~71~~ 71 ~~72~~ 72 ~~73~~ 73 ~~74~~ 74 ~~75~~ 75 ~~76~~ 76 ~~77~~ 77 ~~78~~ 78 ~~79~~ 79 ~~80~~ 80 ~~81~~ 81 ~~82~~ 82 ~~83~~ 83 ~~84~~ 84 ~~85~~ 85 ~~86~~ 86 ~~87~~ 87 ~~88~~ 88 ~~89~~ 89 ~~90~~ 90 ~~91~~ 91 ~~92~~ 92 ~~93~~ 93 ~~94~~ 94 ~~95~~ 95 ~~96~~ 96 ~~97~~ 97 ~~98~~ 98 ~~99~~ 99 ~~100~~ 100 ~~101~~ 101 ~~102~~ 102 ~~103~~ 103 ~~104~~ 104 ~~105~~ 105 ~~106~~ 106 ~~107~~ 107 ~~108~~ 108 ~~109~~ 109 ~~110~~ 110 ~~111~~ 111 ~~112~~ 112 ~~113~~ 113 ~~114~~ 114 ~~115~~ 115 ~~116~~ 116 ~~117~~ 117 ~~118~~ 118 ~~119~~ 119 ~~120~~ 120 ~~121~~ 121 ~~122~~ 122 ~~123~~ 123 ~~124~~ 124 ~~125~~ 125 ~~126~~ 126 ~~127~~ 127 ~~128~~ 128 ~~129~~ 129 ~~130~~ 130 ~~131~~ 131 ~~132~~ 132 ~~133~~ 133 ~~134~~ 134 ~~135~~ 135 ~~136~~ 136 ~~137~~ 137 ~~138~~ 138 ~~139~~ 139 ~~140~~ 140 ~~141~~ 141 ~~142~~ 142 ~~143~~ 143 ~~144~~ 144 ~~145~~ 145 ~~146~~ 146 ~~147~~ 147 ~~148~~ 148 ~~149~~ 149 ~~150~~ 150 ~~151~~ 151 ~~152~~ 152 ~~153~~ 153 ~~154~~ 154 ~~155~~ 155 ~~156~~ 156 ~~157~~ 157 ~~158~~ 158 ~~159~~ 159 ~~160~~ 160 ~~161~~ 161 ~~162~~ 162 ~~163~~ 163 ~~164~~ 164 ~~165~~ 165 ~~166~~ 166 ~~167~~ 167 ~~168~~ 168 ~~169~~ 169 ~~170~~ 170 ~~171~~ 171 ~~172~~ 172 ~~173~~ 173 ~~174~~ 174 ~~175~~ 175 ~~176~~ 176 ~~177~~ 177 ~~178~~ 178 ~~179~~ 179 ~~180~~ 180 ~~181~~ 181 ~~182~~ 182 ~~183~~ 183 ~~184~~ 184 ~~185~~ 185 ~~186~~ 186 ~~187~~ 187 ~~188~~ 188 ~~189~~ 189 ~~190~~ 190 ~~191~~ 191 ~~192~~ 192 ~~193~~ 193 ~~194~~ 194 ~~195~~ 195 ~~196~~ 196 ~~197~~ 197 ~~198~~ 198 ~~199~~ 199 ~~200~~ 200 ~~201~~ 201 ~~202~~ 202 ~~203~~ 203 ~~204~~ 204 ~~205~~ 205 ~~206~~ 206 ~~207~~ 207 ~~208~~ 208 ~~209~~ 209 ~~210~~ 210 ~~211~~ 211 ~~212~~ 212 ~~213~~ 213 ~~214~~ 214 ~~215~~ 215 ~~216~~ 216 ~~217~~ 217 ~~218~~ 218 ~~219~~ 219 ~~220~~ 220 ~~221~~ 221 ~~222~~ 222 ~~223~~ 223 ~~224~~ 224 ~~225~~ 225 ~~226~~ 226 ~~227~~ 227 ~~228~~ 228 ~~229~~ 229 ~~230~~ 230 ~~231~~ 231 ~~232~~ 232 ~~233~~ 233 ~~234~~ 234 ~~235~~ 235 ~~236~~ 236 ~~237~~ 237 ~~238~~ 238 ~~239~~ 239 ~~240~~ 240 ~~241~~ 241 ~~242~~ 242 ~~243~~ 243 ~~244~~ 244 ~~245~~ 245 ~~246~~ 246 ~~247~~ 247 ~~248~~ 248 ~~249~~ 249 ~~250~~ 250 ~~251~~ 251 ~~252~~ 252 ~~253~~ 253 ~~254~~ 254 ~~255~~ 255 ~~256~~ 256 ~~257~~ 257 ~~258~~ 258 ~~259~~ 259 ~~260~~ 260 ~~261~~ 261 ~~262~~ 262 ~~263~~ 263 ~~264~~ 264 ~~265~~ 265 ~~266~~ 266 ~~267~~ 267 ~~268~~ 268 ~~269~~ 269 ~~270~~ 270 ~~271~~ 271 ~~272~~ 272 ~~273~~ 273 ~~274~~ 274 ~~275~~ 275 ~~276~~ 276 ~~277~~ 277 ~~278~~ 278 ~~279~~ 279 ~~280~~ 280 ~~281~~ 281 ~~282~~ 282 ~~283~~ 283 ~~284~~ 284 ~~285~~ 285 ~~286~~ 286 ~~287~~ 287 ~~288~~ 288 ~~289~~ 289 ~~290~~ 290 ~~291~~ 291 ~~292~~ 292 ~~293~~ 293 ~~294~~ 294 ~~295~~ 295 ~~296~~ 296 ~~297~~ 297 ~~298~~ 298 ~~299~~ 299 ~~300~~ 300 ~~301~~ 301 ~~302~~ 302 ~~303~~ 303 ~~304~~ 304 ~~305~~ 305 ~~306~~ 306 ~~307~~ 307 ~~308~~ 308 ~~309~~ 309 ~~310~~ 310 ~~311~~ 311 ~~312~~ 312 ~~313~~ 313 ~~314~~ 314 ~~315~~ 315 ~~316~~ 316 ~~317~~ 317 ~~318~~ 318 ~~319~~ 319 ~~320~~ 320 ~~321~~ 321 ~~322~~ 322 ~~323~~ 323 ~~324~~ 324 ~~325~~ 325 ~~326~~ 326 ~~327~~ 327 ~~328~~ 328 ~~329~~ 329 ~~330~~ 330 ~~331~~ 331 ~~332~~ 332 ~~333~~ 333 ~~334~~ 334 ~~335~~ 335 ~~336~~ 336 ~~337~~ 337 ~~338~~ 338 ~~339~~ 339 ~~340~~ 340 ~~341~~ 341 ~~342~~ 342 ~~343~~ 343 ~~344~~ 344 ~~345~~ 345 ~~346~~ 346 ~~347~~ 347 ~~348~~ 348 ~~349~~ 349 ~~350~~ 350 ~~351~~ 351 ~~352~~ 352 ~~353~~ 353 ~~354~~ 354 ~~355~~ 355 ~~356~~ 356 ~~357~~ 357 ~~358~~ 358 ~~359~~ 359 ~~360~~ 360 ~~361~~ 361 ~~362~~ 362 ~~363~~ 363 ~~364~~ 364 ~~365~~ 365 ~~366~~ 366 ~~367~~ 367 ~~368~~ 368 ~~369~~ 369 ~~370~~ 370 ~~371~~ 371 ~~372~~ 372 ~~373~~ 373 ~~374~~ 374 ~~375~~ 375 ~~376~~ 376 ~~377~~ 377 ~~378~~ 378 ~~379~~ 379 ~~380~~ 380 ~~381~~ 381 ~~382~~ 382 ~~383~~ 383 ~~384~~ 384 ~~385~~ 385 ~~386~~ 386 ~~387~~ 387 ~~388~~ 388 ~~389~~ 389 ~~390~~ 390 ~~391~~ 391 ~~392~~ 392 ~~393~~ 393 ~~394~~ 394 ~~395~~ 395 ~~396~~ 396 ~~397~~ 397 ~~398~~ 398 ~~399~~ 399 ~~400~~ 400 ~~401~~ 401 ~~402~~ 402 ~~403~~ 403 ~~404~~ 404 ~~405~~ 405 ~~406~~ 406 ~~407~~ 407 ~~408~~ 408 ~~409~~ 409 ~~410~~ 410 ~~411~~ 411 ~~412~~ 412 ~~413~~ 413 ~~414~~ 414 ~~415~~ 415 ~~416~~ 416 ~~417~~ 417 ~~418~~ 418 ~~419~~ 419 ~~420~~ 420 ~~421~~ 421 ~~422~~ 422 ~~423~~ 423 ~~424~~ 424 ~~425~~ 425 ~~426~~ 426 ~~427~~ 427 ~~428~~ 428 ~~429~~ 429 ~~430~~ 430 ~~431~~ 431 ~~432~~ 432 ~~433~~ 433 ~~434~~ 434 ~~435~~ 435 ~~436~~ 436 ~~437~~ 437 ~~438~~ 438 ~~439~~ 439 ~~440~~ 440 ~~441~~ 441 ~~442~~ 442 ~~443~~ 443 ~~444~~ 444 ~~445~~ 445 ~~446~~ 446 ~~447~~ 447 ~~448~~ 448 ~~449~~ 449 ~~450~~ 450 ~~451~~ 451 ~~452~~ 452 ~~453~~ 453 ~~454~~ 454 ~~455~~ 455 ~~456~~ 456 ~~457~~ 457 ~~458~~ 458 ~~459~~ 459 ~~460~~ 460 ~~461~~ 461 ~~462~~ 462 ~~463~~ 463 ~~464~~ 464 ~~465~~ 465 ~~466~~ 466 ~~467~~ 467 ~~468~~ 468 ~~469~~ 469 ~~470~~ 470 ~~471~~ 471 ~~472~~ 472 ~~473~~ 473 ~~474~~ 474 ~~475~~ 475 ~~476~~ 476 ~~477~~ 477 ~~478~~ 478 ~~479~~ 479 ~~480~~ 480 ~~481~~ 481 ~~482~~ 482 ~~483~~ 483 ~~484~~ 484 ~~485~~ 485 ~~486~~ 486 ~~487~~ 487 ~~488~~ 488 ~~489~~ 489 ~~490~~ 490 ~~491~~ 491 ~~492~~ 492 ~~493~~ 493 ~~494~~ 494 ~~495~~ 495 ~~496~~ 496 ~~497~~ 497 ~~498~~ 498 ~~499~~ 499 ~~500~~ 500 ~~501~~ 501 ~~502~~ 502 ~~503~~ 503 ~~504~~ 504 ~~505~~ 505 ~~506~~ 506 ~~507~~ 507 ~~508~~ 508 ~~509~~ 509 ~~510~~ 510 ~~511~~ 511 ~~512~~ 512 ~~513~~ 513 ~~514~~ 514 ~~515~~ 515 ~~516~~ 516 ~~517~~ 517 ~~518~~ 518 ~~519~~ 519 ~~520~~ 520 ~~521~~ 521 ~~522~~ 522 ~~523~~ 523 ~~524~~ 524 ~~525~~ 525 ~~526~~ 526 ~~527~~ 527 ~~528~~ 528 ~~529~~ 529 ~~530~~ 530 ~~531~~ 531 ~~532~~ 532 ~~533~~ 533 ~~534~~ 534 ~~535~~ 535 ~~536~~ 536 ~~537~~ 537 ~~538~~ 538 ~~539~~ 539 ~~540~~ 540 ~~541~~ 541 ~~542~~ 542 ~~543~~ 543 ~~544~~ 544 ~~545~~ 545 ~~546~~ 546 ~~547~~ 547 ~~548~~ 548 ~~549~~ 549 ~~550~~ 550 ~~551~~ 551 ~~552~~ 552 ~~553~~ 553 ~~554~~ 554 ~~555~~ 555 ~~556~~ 556 ~~557~~ 557 ~~558~~ 558 ~~559~~ 559 ~~560~~ 560 ~~561~~ 561 ~~562~~ 562 ~~563~~ 563 ~~564~~ 564 ~~565~~ 565 ~~566~~ 566 ~~567~~ 567 ~~568~~ 568 ~~569~~ 569 ~~570~~ 570 ~~571~~ 571 ~~572~~ 572 ~~573~~ 573 ~~574~~ 574 ~~575~~ 575 ~~576~~ 576 ~~577~~ 577 ~~578~~ 578 ~~579~~ 579 ~~580~~ 580 ~~581~~ 581 ~~582~~ 582 ~~583~~ 583 ~~584~~ 584 ~~585~~ 585 ~~586~~ 586 ~~587~~ 587 ~~588~~ 588 ~~589~~ 589 ~~590~~ 590 ~~591~~ 591 ~~592~~ 592 ~~593~~ 593 ~~594~~ 594 ~~595~~ 595 ~~596~~ 596 ~~597~~ 597 ~~598~~ 598 ~~599~~ 599 ~~600~~ 600 ~~601~~ 601 ~~602~~ 602 ~~603~~ 603 ~~604~~ 604 ~~605~~ 605 ~~606~~ 606 ~~607~~ 607 ~~608~~ 608 ~~609~~ 609 ~~610~~ 610 ~~611~~ 611 ~~612~~ 612 ~~613~~ 613 ~~614~~ 614 ~~615~~ 615 ~~616~~ 616 ~~617~~ 617 ~~618~~ 618 ~~619~~ 619 ~~620~~ 620 ~~621~~ 621 ~~622~~ 622 ~~623~~ 623 ~~624~~ 624 ~~625~~ 625 ~~626~~ 626 ~~627~~ 627 ~~628~~ 628 ~~629~~ 629 ~~630~~ 630 ~~631~~ 631 ~~632~~ 632 ~~633~~ 633 ~~634~~ 634 ~~635~~ 635 ~~636~~ 636 ~~637~~ 637 ~~638~~ 638 ~~639~~ 639 ~~640~~ 640 ~~641~~ 641 ~~642~~ 642 ~~643~~ 643 ~~644~~ 644 ~~645~~ 645 ~~646~~ 646 ~~647~~ 647 ~~648~~ 648 ~~649~~ 649 ~~650~~ 650 ~~651~~ 651 ~~652~~ 652 ~~653~~ 653 ~~654~~ 654 ~~655~~ 655 ~~656~~ 656 ~~657~~ 657 ~~658~~ 658 ~~659~~ 659 ~~660~~ 660 ~~661~~ 661 ~~662~~ 662 ~~663~~ 663 ~~664~~ 664 ~~665~~ 665 ~~666~~ 666 ~~667~~ 667 ~~668~~ 668 ~~669~~ 669 ~~670~~ 670</

4332 management, wish to express confidence ~~in the lake level management and progress~~ in  
4433 improvements of water flow through the Yahara chain of lakes that the Dane County Land &  
4534 Water Resources Department is implementing;

4635 **BE IT FINALLY RESOLVED**, that the Dane County Board of Supervisors and Dane County  
47 Executive affirm that ~~the Land & Water Resources Department has the flexibility to manage lake~~  
~~levels within the prescribed ranges proactively guided by weather forecasts. management of the~~  
~~Yahara Chain of Lakes shall follow the Dane county~~  
48 ~~Lake Level management Guide for the Yahara Chain of Lakes and that previous directives to~~  
36 ~~operate at the seasonal minimum are hereby rescinded.~~

BE IT FURTHER RESOLVED, that flood control is the primary management objective during  
periods of high water and that programs and projects such as aquatic plant harvesting and  
sediment removal will be utilized to improve management during flood conditions, which are  
caused by above-average annual rainfalls, high groundwater levels and intense storm events.

49 BE IT FINALLY RESOLVED, that the Land & Water Resources Department will publish  
operational dam changes that increase and reduce flow on the Land and Water website.

**Formatted:** Left, Indent: Left: 0.08", Hanging: 0.41",  
Space Before: 0.4 pt

**Formatted:** Normal, Left, Space Before: 0.4 pt, No  
bullets or numbering

**Formatted:** Normal, Left, Indent: Left: 0.5", Space  
Before: 0.4 pt, No bullets or numbering, Tab stops:  
0.5", Left + Not at 0.49" + 0.49"