

Chicago Nat re and Wildlife Plan

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01 08 10 132 142 14 18 26 22 INTRODUCTION OBJECTIVES PROTECT MANAGE MONITOR EDUCATE DIRECTORY APPENDICES ACKNOWLEDGEMENTS

PREPARED AND PUBLISHED BY

Chicago Department of Planning and De elopment and a_or Dale_s Nat re and Wildlife Committee

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ppro ed b_ Chicago Plan Commission on ebr ar_ , dopted b_ the Chicago Plank District on pril , A Cook Co nt_ orest P_s s _ Ds_ , s oard of Commissioners J , 11, 2006.

Chicago's nat ral en ironment has ndergone man_ changes since glaciers retreated from the pper id_rest more than , __ears ago

ore than percent of the land ithin the cit_limits as formerl_Lake ichigan lakebed that o er cent ries e ol ed into gentl_rolling grasslands and marshes the time of ropean e ploration in the late

s, tallgrass prairies and oak sa annas characteri ed the area the lakeshore shells are disting ished btall grass and inline, and shalls ith cord grass, sheet plantains

Sa _ga Tad_i_ifLadcae Ci eai_

ore than a cent r_ago , $t_a o$ progressi e landscape gardeners began e perimenting ith the se of nati e plants in Chicago In the late s, ssian Cole Simonds began sing transplanted nati e shr bs and trees at Graceland Cemeter_ and, in , Jens Jensen designed one of North mericas first p blic nati e plant gardens in nion Park heir efforts led to the creation of a Prairie St_le of landscape architect re oda_, Jensen is considered one of the most infl ential fo nders of the conser ation mo ement in the $id_{\overline{W}}$ est. In addition to his nprecedented se of id estern plants for his man_ pri atel_ commissioned pro ects,

he infl enced the establishment of the orest Preser e District of Cook Co nt_ and he ad ocated protection efforts at Illinois each State Park and the Indiana D nes disciple of Jensens, Ifred Cald_ell, sed nat ral landscapes ith his earl_th cent r_designs for lakefront attractions like Promontor_Point and Lincoln Park sontrose Point and the Lil_Pool that no_ bears his name

he amo nt of cit_ land that can be characteri ed as nat ral habitat as antified in as part of a Chicago abitat In entor_ pro ect cond cted b_ the Chicago Department of Planning and De elopment (DPD) thro gh a grant from the SD orest Ser ice

DPD staff sed mapping tools, aerial imager, on-site isits and pre io s in entor_st dies to estimate total habitat space thin the cit_ he st d_ indicated that appro imatel_, of the , acres thin the cit_ limits ser es as habitat dditionall, abo t acres ha e been identified for habitat restoration hese acreages are distrib ted among indi id al sites that are predominantl_ located along the Chicago Ri er and on the shorelines of Lake ichigan and Lake Cal met

ho gh nat ral habitat comprises less than three percent of the entire cit_ area, all basic t_pes of northeastern Illinois nat ral areas are represented___ithin Chicago, partic larl_

Chicago has m ch to offer the ca se of nat re conser ation, especiall_ the habitat it pro ides for birds ndangered and rare species, s ch as _ello_headed blackbirds and black-cro_ned night herons, nest in Chicago Impro ed habitats co Id boost the n mbers of these and possibl_ other bird n mbere isn t clearn m er

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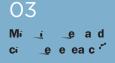
» Designate the cit_s nat ral areas with the ne_l_created Parks and pen Space Nat ral reas (P S-) oning district

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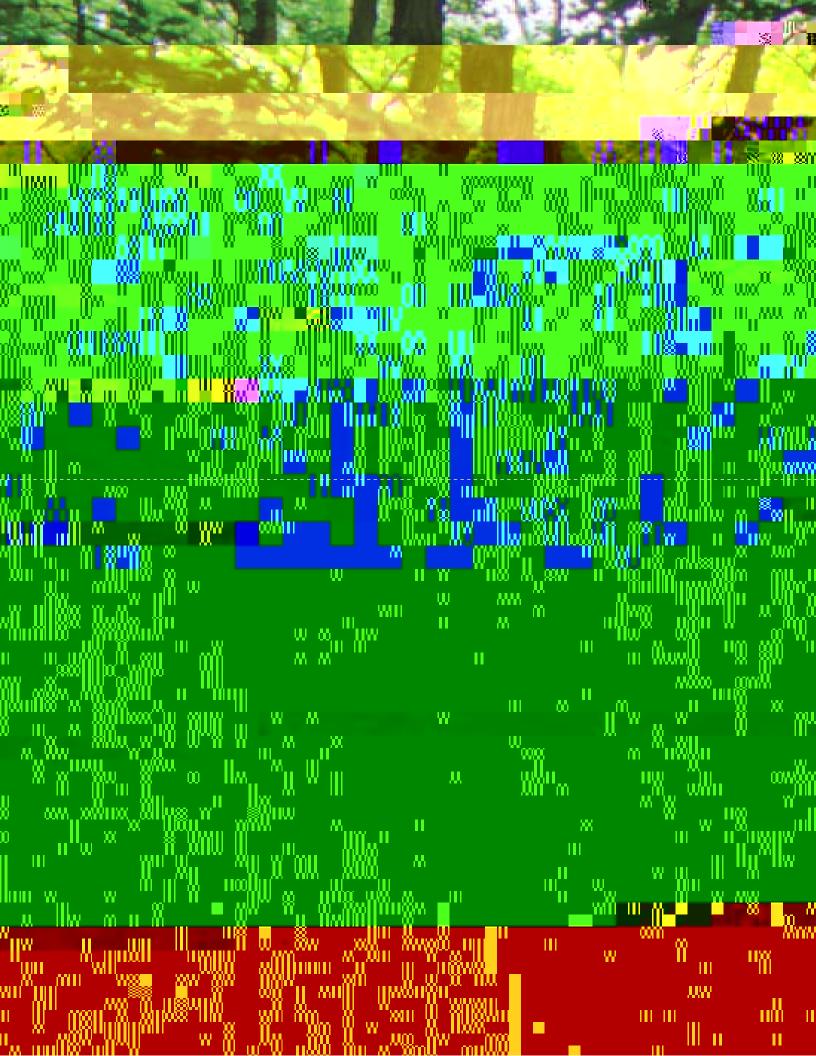


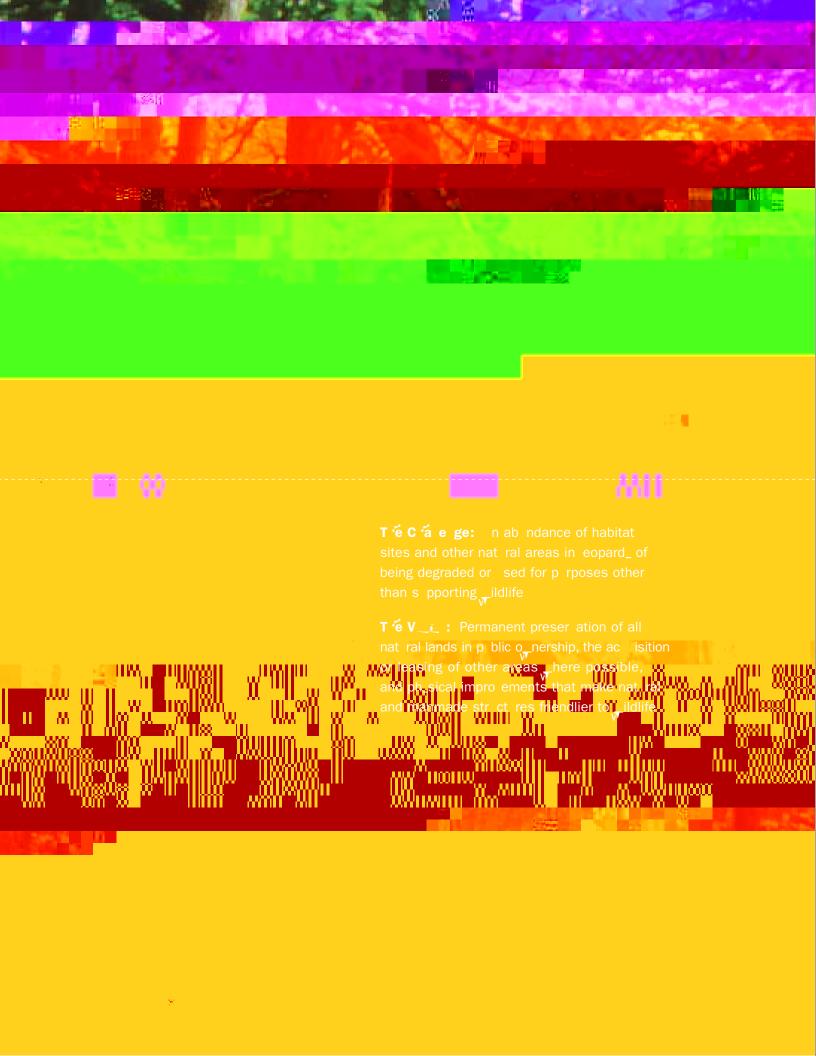
- Prod ce baseline in entories of all e isting nat ral areas and of all sites slated to ndergo restoration
- Set p programs for all endangered and threatened species to monitor hoppop lations are faring noppop and o er the long term
- » Compile a list of research needs

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- » Increase p blic a areness of the importance of biodi ersit conser ation to the en ironment
- Coordinate partner organi ations to foc s on specific goals in the Chicago Nat re Wildlife Plan
- De elop o treach plans to partic lar pop lation gro ps, s ch as homeo_ners, pet o_ners, gardeners and others



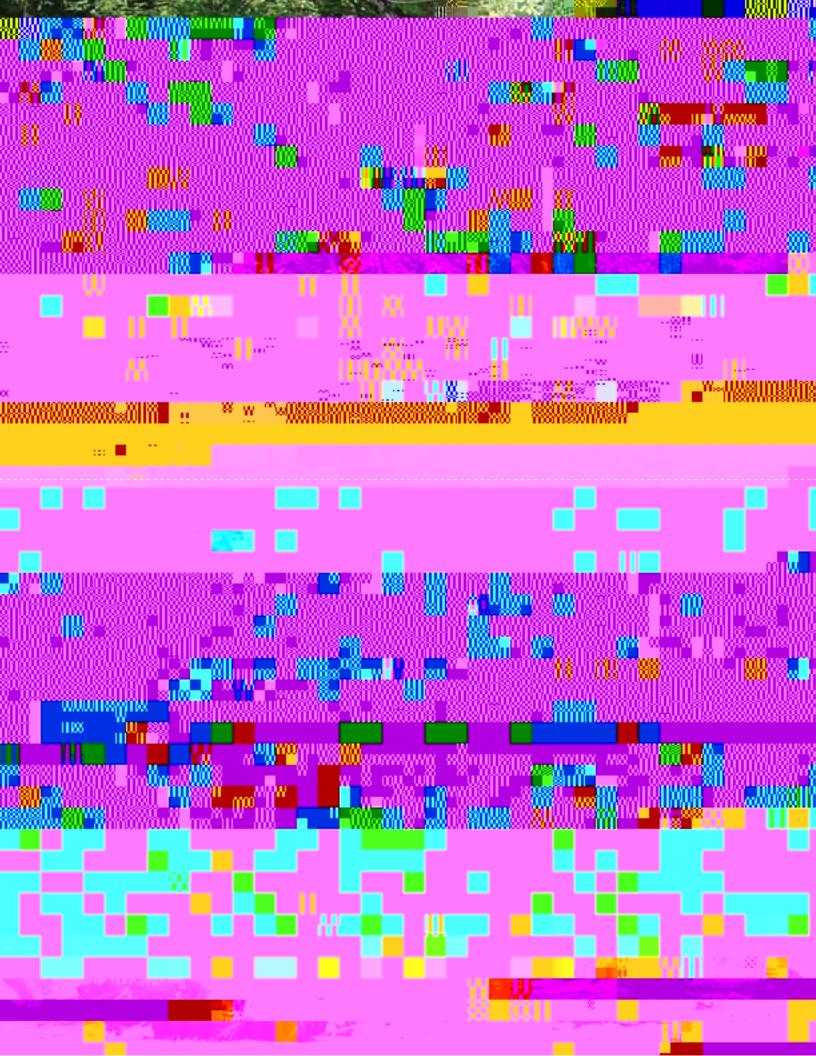


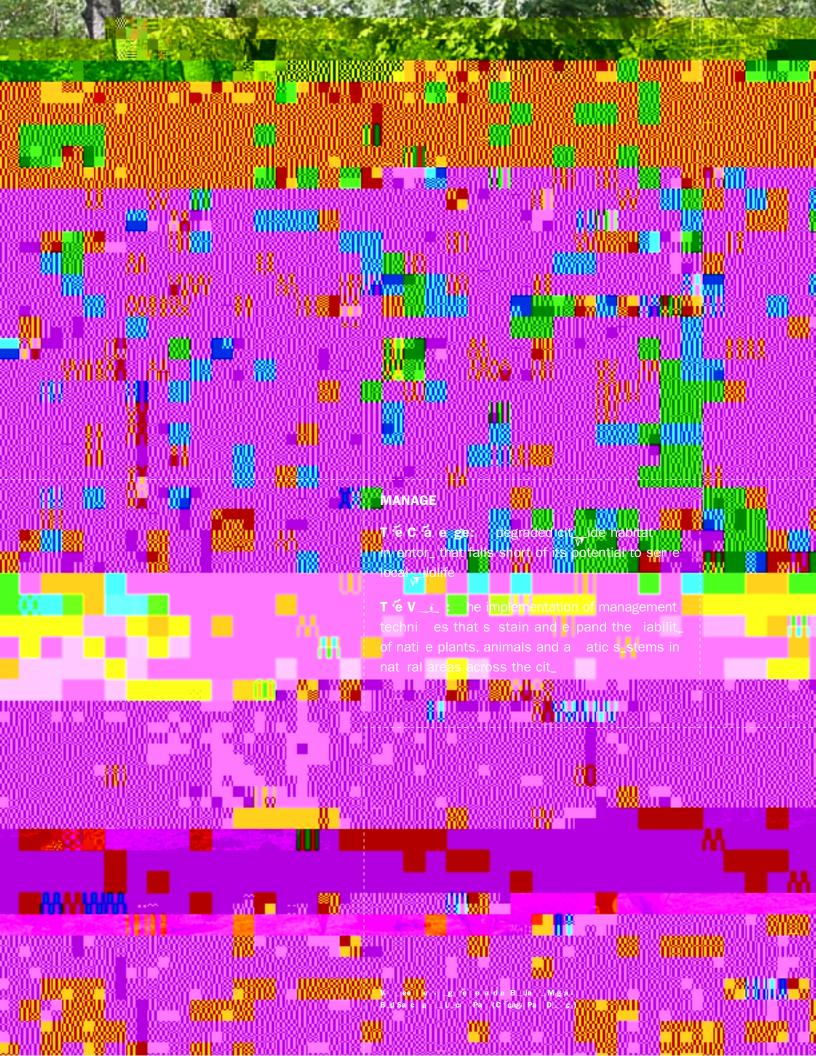
Immediate

he Cit_ of Chicagos ne_ oning designation for p blic open space (P S-) sho Id be applied to habitat sites to pre ent their rede elopment for other ses Site o_ners, most notabl_ the Chicago Park District, the orest Preser e District of Cook Co nt_ and the Illinois Department of Nat ral Reso rces, sho Id adopt resol tions or other agreements that designate and preser e the nat ral area habitats ithin Chicago that the_ o_n Nat ral areas that these agencies do not o_n sho Id be ac ired or leased he State of Illinois Land and Water Reser e designation sho Id also be applied to select parcels to f rther reinforce their roles in s pport of ildlife

Within _ears

- » c ire nprotected nat ral areas in the Cal met pen Space Reser e and along the __estern edge of Rosehill Cemeter_
- » mend the cit_s -foot ri er setback re irement and the Chicago Ri er Corridor Design G idelines to re ire a nat rali ed ri erbank nhere er possible
- » Promote riparian areas along the Chicago Ri er thro gh shoreline enhancements, specificall_ at Wolf Point, the North, So th and Di erse_ t rning basins, at the West ork Remnant, along the North ranch and sections of the Chicago Sanitar_ and Ship Canal
- » Reestablish in-stream habitats b_ prohibiting the se of motori ed essels along the pper North ranch, North ranch Canal, bbl_ Creek, Collateral Channel and certain pri ate slips
- » Increase the n mber of areas along the lakefront here the primar se is nat ral habitat and recreate d nes and tellands in these areas





Immediate

isting management plans for habitat sites sho ld be implemented hile priorities, goals and plans for other habitat locations are de eloped thro gh a collaboration of landoners, ol nteers, comm nit_members and ci ic organi ations anagement acti ities sho ld be coordinated here possible, especiall here se eral sites are in close pro imit_ to each other, s ch as aro nd Lake Cal met and along the North ranch of the Chicago Ri er

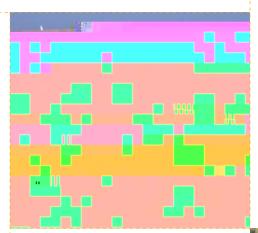
Within _ears

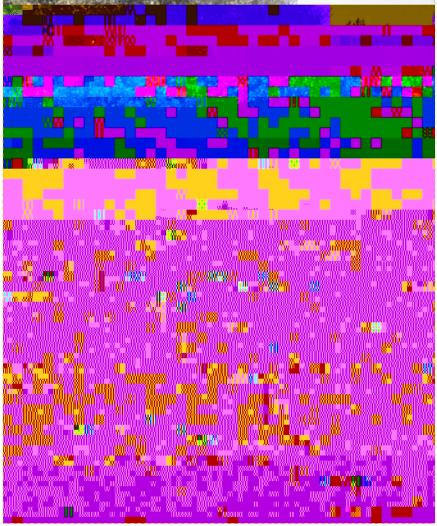
- » Implement e isting management plans for the largest, high alit_nat ral areas, s ch as Po_derhorn arsh, Sa ganash Prairie, nker ill Prairie and dgebrook lat_oods
- » Implement sol tions to fish migration impediments ca sed b_ the North ranch Dam and Chicago Lock
- » tili e the Cal met rea cological anagement Strateg_ as a model for telland restoration across the cit_
- » tili e recommendations in the Chicago Ri er aster Plan to impro e habitat in and along the Chicago Ri er
- » Increase and impro e garbage pick- p at beaches to disco rage e cessi e g II pop lations that contrib te to poor ater alit_
- » se the cit_s b ilt infrastr ct re to impro e biodi ersit_where possible and enco rage architects to create designs that are safe for birds and other whilelife
- » ns re that so rces for local seeds and plants are in place from s ppliers, of nteer growers or a seed-sharing network lso participate in and help p blici e plant gi eawa_s to comm nit_gro ps

- Pelp non-profit organi ations contine to work ith ones of p blic nat ral areas that do not have conser ation as a part of their missions
- » P blish management training man als for ol nteers thro gh the cooperation of he Nat re Conser anc., Chicago Wilderness, penlands Pro ect, Chicago Park District, orest Preser e District of Cook Co nt., and other appropriate partners
- » Increase participation in Clean ir Co nts o sehold program and penlands Pro ects Neighborhood pen Space Planning and ack_ard iodi ersit_ programs
- » nco rage o ners of pri ate b ildings to install green roofs, bat bo es, nesting poles, nesting pads, artificial chimne_s and other str ct res sed b_ ario s species for nesting p rposes
- » nco rage o ners of p blic b ildings that are commonl sed b birds, s ch as bridge ho ses and beach str ct res, to maintain and design them in as that are cond ci e to nesting
- » In estigate the reintrod ction of appropriate species to s itable ater and lands

- » Look for a_a_s to enco rage lando ners ad acent to nat ral areas, both p blic and pri ate, to se nat ral landscaping
- stablish en ironmental s pport teams that can help select plants, disconnect do nspo ts and perform pro ects related to impro ing biodi ersit_
- » ns re the iabilit_ of local so rces sed for the translocation of nati e species, s ch as b tterflies and frogs, b_ coordinating vith go ernment a thorities to create a stocking program or thro gh other means
- » plore wa_s to red ce the negati e effects of Chicago s ambient light on noct rnal animals and insects
- Consider meas res that disco rage local acti ities that red ce biodi ersit_in other parts of the orld, s ch as an ordinance that prohibits the se of rainforest hard oods or other imported materials that arents stainable

» La nch a cit ide campaign foc sed on ho neo ners can impro e the ca se of biodi ersit





s an essential ingredient to health_ habitats, Chicago s __ater reso rces sho ld be impro ed according to the recommendations of Chicago s Water genda s part of the process, lando__ners and agencies that reg late p blic __aters sho ld __rork together to incorporate habitat impro ement practices into programs that remo e debris and stabili e the banks of area __ater__a_s he_ sho ld also st d_ the effects of regional dams and locks on fish migration, and __nhether in-stream o _gen le els __arrant additional aeration to promote fish and other a atic pop lations Legislation that prohibits the sale of in asi e and n isance species sho ld be coordinated thro gh ordinances and p blici ed thro gh informational materials printed in n mero s lang ages he etropolitan Water Reclamation District sho ld also incl de biodi ersit_ in its ongoing st d_ on the effects of ar_ing __ater le els

or the Water

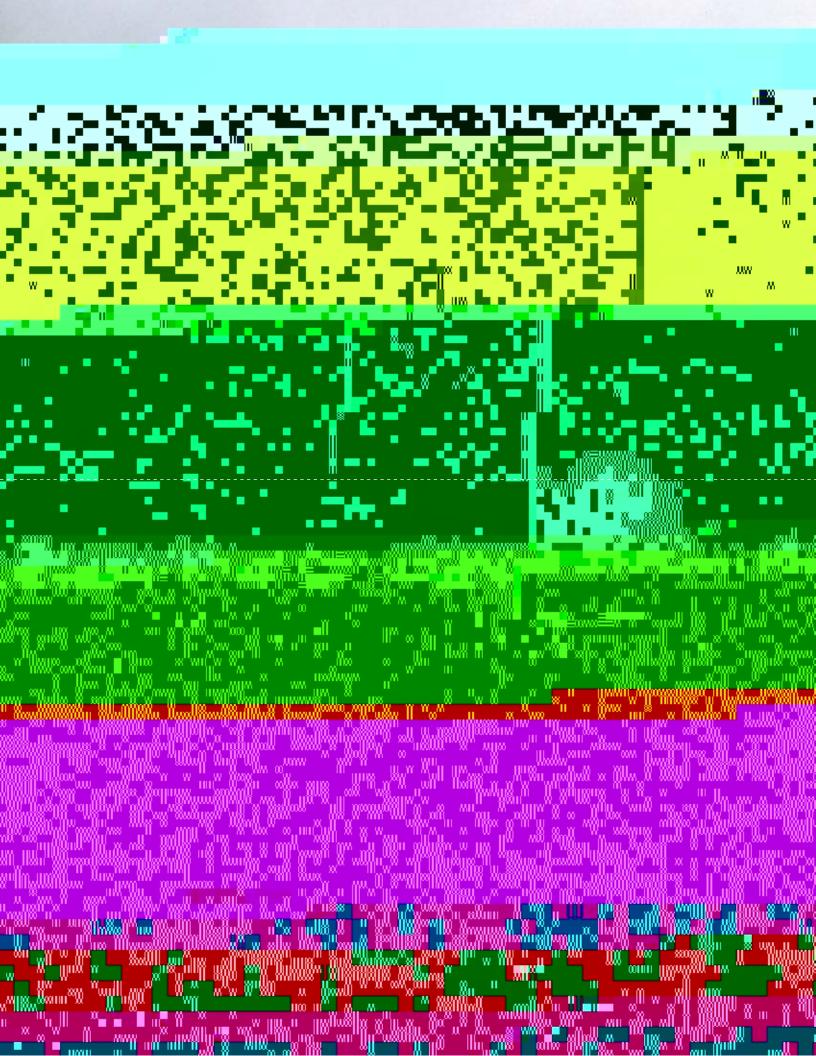
Chicago's resident and transient bird pop lation can be protected and enhanced thro ghe the implementation of technic es that foster their siril alin an orban area mong the most important are methods to diminish bird collisions, with high-rise bildings

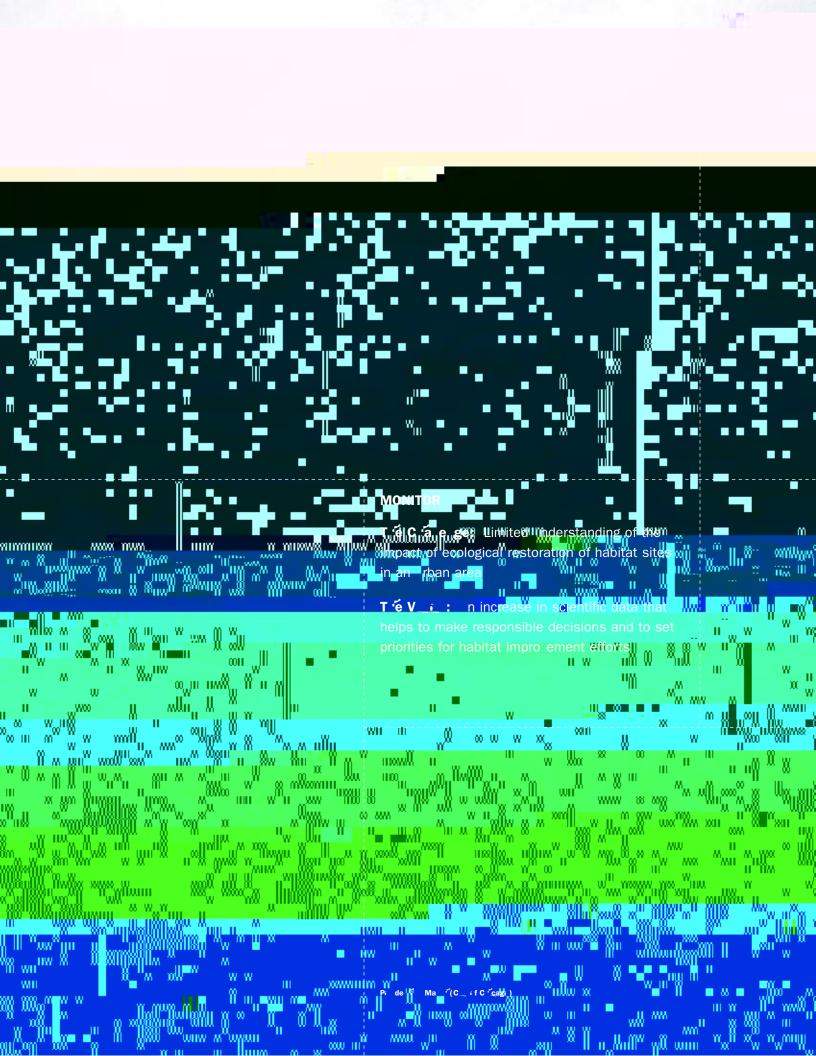
While the n mber of ann al bird collisions with Chicago high-rises is ndetermined, it is well known that sk_scraper indows pose a significant threat to birds that mistake reflections for air space isting data on fatal bird collisions, incl ding the time and locations of strikes, along ith related bilding feat res, sho ld be anal_ed and addressed in coninction ith ongoing research b_the S ish Wildlife Ser ice and Chicago Department of nironment

s part of the effort, the Cit_ of Chicago s Lights t program sho Id be more igoro sl_p blici ed to comm nicate en ironmental benefits from t rning off decorati e e terior lighting and tili ing interior shades igh-rises sho Id be monitored and recogni ed for compl_ing the efforts to red ce the problem

dditionall, cit_lighting codes for high-rise constr ction sites, along ith Leadership in nerg_ and n ironmental Design (L D) standards, sho ld be re ie_ed and possibl_ amended to f rther promote design elements that protect birds, s ch as the se of frosted or fritted glass, do_n_ard-angled panes, decorati e markings, and boldl_-colored interiors and decorations

or the irds



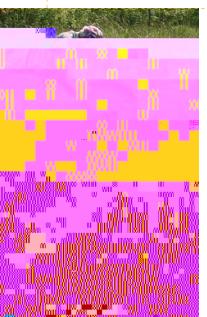


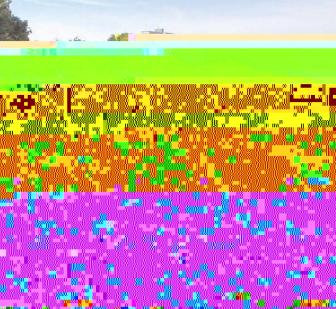
- » Participate in regional, national and international st dies, s ch as monitoring species or gro ps of animals that are not endangered or threatened b t s b ect to global concern
- » Determine ho poll tants in and aro nd Lake Cal met impact birds that feed in the area
- » Research ho ater and se age treatment processes co ld better benefit atel ater.
- » plore ho restoration efforts benefit migrator_birds
- » Compare how isolated nat ral areas compare with those near a cl ster of small sites like pri ate _ards and school habitat gardens
- » Determine habitat si e re irements for certain targeted animal species

- » Determine risks to the genetics of nati e plants $_{\overline{W}}$ hen seeds and plants from other areas are introd ced
- » Determine $\sqrt{}$ hat effect nat ral areas ha e on n isance species and ice ersa
- » St d_ho_v se b_ people and domesticated animals affects the biodi ersit_ of selected nat ral areas
- » St d_ the relationship bet_een co_otes and diminishing pop lations of n isance species
- » Determine ho ___ater__a_ sediments can be safel_ remediated
- » ssess the knowledge and attit des of Chicago residents regarding biodi ersit_ and landscape iss es

Long- erm

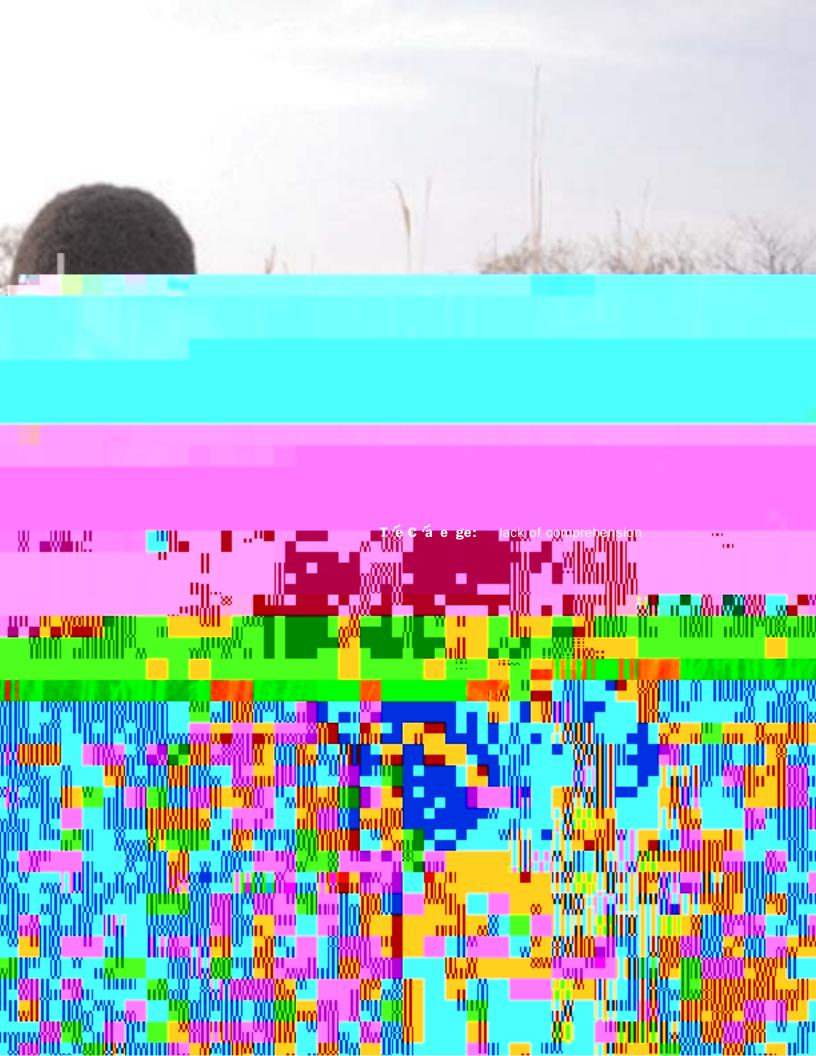
ol nteers at ontrose Point ird Sanct ar_ (Chicago Park District)











Immediate

N mero s go ernment agencies, non-profit organi ations and ed cational instit tions that alread_ promote the roles of cit_ nat ral areas co ld be more effecti e thro gh ne_ and e panded p blic-pri ate partnerships While ed cation needs are n mero s, priorities center on an increased a_ areness among st dents regarding the importance of biodi ersit_ conser ation to the local, regional and global en ironment d lts sho ld be enlightened abo t ho_ their beha ior and cons mption habits affect iddlife and ho_ relati el_ simple efforts aro nd the home and orkplace can benefit nat re, s ch as eliminating harmf I pesticides and in asi e plants, replacing pa ement_ ith more poro s s rfaces, and controlling pets that threaten_ iddlife

Within _ears

- » ppoint a liaison to ork ith Chicago P blic Schools to promote o tdoor nat re acti ities and pro ide ser ice learning credits to st dents that take part in these acti ities
- » Reach o t to the Catholic rchdiocese and other parochial, pri ate, and independent schools to promote o tdoor nat re acti ities
- » Impro e teacher access to e isting habitat c rric la and de elop a ne teacher certificate or endorsement for se of s ch c rric la

- » Impro e and e pand Chicago Wilderness eacher raining b on the Internet b_ incl ding gardening, biodi ersit_ and related information
- Work ith the Cit_ of Chicago s fter School atters and Galler_ programs to incl de orkshops that foc s high school st dents attention on local nat re, biodi ersit_, greening and gardening
- » se the Cal met Ste ardship Initiati e as a model for foc sing partner organi ations on a specific goal in a certain location he effort old ser e to concentrate reso rees for ickl demonstrated en ironmental benefits

Long- erm

- » Create a reso rce center here teachers can locate ed cational materials and participate in corkshops Possible locations incl de North Park illage Nat re Center, the proposed ord Cal met n ironmental Center, the Chicago Center for Green echnolog, and the Chicago Ri er Center at the ichigan en e ridge o se
- arget information to one ners of large tracts of land, homeone ners, landscape and garden-related b sinesses, elected

- officials, religio s organi ations, comm nit_ gardeners, and pet o ners abo t the importance of biodi ersit_ conser ation
- » Increase a areness of Chicagos isitors abo t rban habitats and the importance of biodi ersit conser ation thro gh media o treach and informational materials placed at select to rist destinations
- » ild on e isting ed cational programs at Chicago p blic libraries