

MONITORING GROUP FLIP CHART NOTES

THEME	OBJECTIVE(S)	ACTION
EXISTING	ALL	maintain/increase existing efforts e.g BBS routes, Atlas every 20 years, migration monitoring of northern migrants, FMBP, MBMP/MMP
EXISTING	DEMOGRAPHICS	use established programs where possible to acquire demographic information, e.g. MAPS, checklist program,
EXISTING	DISTRIBUTION	meet/exceed 2nd Atlas coverage goals, fill in gaps in Point Counts and Breeding Evidence effort
ADDITIONAL	COORDINATION	implement monitoring aspects of SAR Recovery Plans
ADDITIONAL	COORDINATION	disease monitoring - action plans
ADDITIONAL	DEMOGRAPHICS	expand/build on existing programs, e.g Project Nestwatch/ONRS
ADDITIONAL	DEMOGRAPHICS	consider running large scale specific program like TanagerWatch for a species like Wood Thrush
ADDITIONAL	DISTRIBUTION	hunter surveys for specific species (AMWO, ...), what, where, when, how many
ADDITIONAL	DISTRIBUTION	develop inter-atlas volunteer-based landbird (& waterbird) monitoring program, e.g. checklist program for all seasons
ADDITIONAL	HABITAT	monitor effects of invasive species on priority birds and/or habitat, e.g. extensive removal of ash trees in s. Ontario
ADDITIONAL	HABITAT	identify means & undertake remote monitoring of land use & natural cover change (piggyback on existing
ADDITIONAL	IMPLEMENTATION	take advantage of college natural resource monitoring & assesment programs, e.g. SS Fleming, credit for product, use for long-term monitoring of area-specific studies
ADDITIONAL	POPULATION	track population trends of upland game birds
ADDITIONAL	POPULATION	consider augmenting RSHA/Woodpecker survey to include Ruffed Grouse, in forested parts of BCR 13
ASSESS	ALL	Determine which programs exist, conduct gap analysis of PIF objective and determine necessary partnerships to fill in gaps and build adequate capacity
ASSESS	ALL	consider USEPA/EMAP design for monitoring
ASSESS	ALL	assess Atlas owl surveys for possible continuation or extension in forested parts of BCR 13
ASSESS	ALL	assess landscape representation of current surveys (BBS , Atlas) (on/off roads, primary/secondary roads)
ASSESS	DEMOGRAPHICS	assess migration monitoring data for productivity index/trend
ASSESS	DEMOGRAPHICS	determine who is conducting long-term demographic studies on what species, tie in to BCR planning
ASSESS	HABITAT	assess habitat associations of landbirds especially priority species using FBMP data
ASSESS	POPULATION	evaluate/update trend coverage for northern-breeding priority species re migration monitoring and CBC programs
ASSESS	POPULATION	explore differences in trends among habitats and landscape matrix using FBMP data

OUTREACH & EDUCATION RELATED CONSERVATION ACTIONS

COMMUNICATION THEME	KEY AUDIENCE	LEAD	ACTION
CONSERVATION ACTION	LAND	NGO	encourage landowners to participate in monitoring ,e.g volunteer-based monitoring on their property
CONSERVATION ACTION	LANDOWNERS	ALL	Promote best management practices
CONSERVATION ACTION	MUNICIPALITIES	MNR	promote s. Ontario Silviculture Guide as source document for tree cutting bylaws
CONSERVATION ACTION	NGO/LAND	PIFO	work with FON to connect current woodlot focus with PIF objectives
CONSERVATION ACTION	PRIVATE LANDOWNERS	ALL	provide specific information to private landowners re: priority species info/trends/habitat requirements; provide info on what they can do to help; who to contact re getting info, assistance, \$\$
CONSERVATION ACTION	PUBLIC LAND MANAGERS	PIF	advise public land managers on what they can do to advance bird conservation re good forestry practices, best management practices, remove municipal drains, designate "no cut" zones
CONSERVATION ACTION		PIF	encourage landowners to participate in habitat planning for their property, ensure management goals and practices incorporate bird habitat objectives
EDUCATE PLANNERS	GOV/MUN	PROV	increase awareness/ability to implement Natural Heritage Policy re municipal planners, e.g. PIF ssp. In significant wildlife habitat & ecological areas, no houses in woodlots
EDUCATE PLANNERS	GOV/MUN	NGO/PROV	educate municipalities on quality vs. quantity re tree-cutting bylaws to reflect habitat feature protection, avoid diameter cuts, keep snags, etc.
ENVIRONMENTAL PROTECTION	PUBLIC	ALL	make link between environmental health and human health an education issue
ENVIRONMENTAL PROTECTION	PUBLIC/MUN	ALL	encourage/enforce "SMART" urban growth, protect rural areas from bedroom communities
FUNDING FOR CONSERVATION ACTION	FUNDERS	PIF+	educate funders on goals & values re keeping common birds common
INFORM THE PUBLIC	PUBLIC	PIFO	regular reporting of State of Landbirds (guilds/habitat groups) in BCR 13
INFORM THE PUBLIC	YOUTH	NGO+	encourage educational tools within school system (curriculum) also scouts/guides etc eg. Birdquest

OUTREACH & EDUCATION RELATED CONSERVATION ACTIONS

COMMUNICATION THEME	KEY AUDIENCE	LEAD	ACTION
MONITORING	LOCAL GROUPS	PIF+	communicate monitoring needs (species, habitat specific) to encourage local group participation , eg. IBA groups through Communities in Action
MONITORING	NATURALISTS	NGO+	mobilize naturalists as stewards and watchdogs for local properties that are landbird habitats
MONITORING	YOUTH	NGO+	youth outreach need re future volunteer base, link with Ontario Stewardship Rangers, Envirothon, etc
MONITORING PIF STRATEGY	GENERAL PUBLIC	PIF	train and recruit additional volunteers for monitoring make keeping common birds common a recognized strategy for the public
PIF STRATEGY	GENERAL PUBLIC	NGO	communicate the link between breeding & wintering habitats for species breeding in BCR 13
PIF STRATEGY SCIENCE NEEDS	NATURALISTS SCIENCE COMMUNITY	NGO+ PIF	get naturalists to buy-in to PIF strategy and process communicate research priorities to science community, e.g. fact sheets of priority research needs
VALUE OF BIRDS	GENERAL PUBLIC	EC	extend education re migratory birds, MBCA to general public
VALUE OF BIRDS	GENERAL PUBLIC	PIF	communicate importance/value of landbirds to general public ie. Biodiversity, ecosystem services, etc.

RESEARCH & EVALUATION RELATED CONSERVATION ACTIONS

THEME	ACTION
STRATEGIC	target priority species for enhanced research, e.g determine critical habitat elements, site specific requirements
STRATEGIC	work closely with universities & agencies to fill research gaps
STRATEGIC	look at succesful projects in other states & provinces eg. Pawnee Grasslands, examples of public/private working together
STRATEGIC	identify research priorities e.g. demographics, source/sink habitat, reasons for declines/increases, landuse/management impacts
STRATEGIC	develop strategies for mitigating impacts, particularly for species/habitats where mechanisms of decline are identified
RESEARCH	what size and type and landscape matrix of forests/grasslands/shrublands/wetlands are needed by priority species?, e.g K. Lindsay draft
RESEARCH	increase knowledge, i.e. critical habitat components
RESEARCH	increase basic knowledge of species wrt area sensitivity, degree of habitat specialization, preference for edge/interior, etc
RESEARCH	habitat suitability modelling & mapping
RESEARCH	develop better understanding of how landscape pattern can influence habitat suitability, eg. Area sensitivity
RESEARCH	look into how a landscape can be managed to maintain a shifting mosaic of habitat & seral stages
RESEARCH	research how much grassland & succesional habitat is needed regionally & locally
RESEARCH	examine effects of fire/burning, early haying and grazing
RESEARCH	determine a recommended minimum size for small fragmented woodlands in agricultural matrix to benefit priority birds
RESEARCH	examine effects of fire/burning, early haying and grazing
EVALUATE	evaluate alternative agricultural practices to identify those that maintain grassland birds
EVALUATE	evaluate forestry & silvicultural practices in s. Ontario and determine how they can be enhanced to benefit priority species
EVALUATE	evaluate factors driving deforestation and land conversion in s. Ontario, e.g. markets, incentive programs (MFTIP)
EVALUATE	identify species that can operate as umbrella species for different habitats & simultaneously evaluate which species may fall through gaps
EVALUATE	evaluate ability of focal species (if used) to represent needs of viable population of all landbird species
COMMUNICATE	develop best management practices documents

POLICY & LEGISLATION RELATED CONSERVATION ACTIONS

TARGET	ACTION	POLICY/LEGISLATION
ALL	summarize existing policy tools (federal, provincial and municipal) and ascertain their contribution to our objectives	
ALL	encourage decision makers to establish new protected/conservation areas	
ALL	encourage decision makers to work on protection of Ecological Integrity of existing areas that are important for landbirds	
ALL	work with government to create landowner incentive programs	
ALL	provide input to current EBR posting re impact of wind power development on birds	
EC/FED	encourage EC to modify MBCA to make "incidental take" of birds illegal (I.e. nest destruction) and then implement exemption procedure that requires exemptee to monitor/conserves, etc. for priority species (parallel to forest program in development)	MBCA
EC/FED	modify MBCA to address impact of cell towers & wind farms?	MBCA
FED/PROV	provide financial incentives to famers and others landowners to use their land for the benefit of target species eg. Grassland birds	
FED/PROV	promote development of an agricultural land retirement program for Ontario	e.g. Agricultural Policy Framework
PROV	extend CLTIP to include prime suitable but unoccupied habitat patches for SAR	CLTIP
PROV	improve implementation of CLTIP program	CLTIP
PROV	address financial disincentive issues re CLTIP (Fiona McKom, MNR)	CLTIP
PROV	reduce minimum area (10 acres) required for private landowners to enroll in conservation "tax-relief" or other plans, if they border similar land or can be buffers	CLTIP, etc.
PROV	amend Fish & Wildlife Act to prohibit cutting of (known?) raptor nests (close loophole)	ON Fish & Wildlife Act
PROV	revise Natural Heritage Guildelines to "total cover" versus specific geographic woodlots etc.	Natural Heritage Guideline Prov Policy Statement
PROV	update Natural Heritage Guildelines to use PIF Conservation Plans as a source document.	Natural Heritage Guideline Prov Policy Statement
PROV	encourage policy against development & housing in and around woodlots (features & functions)	Natural Heritage Policy, Planning Act
MUN	implement effective tree-cutting bylaws in all counties and municipalities	Tree Cutting bylaws
MUN	changes to municipal tree cutting bylaws to prevent diameter limit harvest	Tree Cutting bylaws
MUN/PROV	make adoption of provincial Silviculture Guidelines mandatory; rather than a recommendation you can follow or ignore	Tree Cutting bylaws

HABITAT MANAGEMENT RELATED CONSERVATION ACTIONS

THEME	HABITAT TYPE	ACTION
HABITAT MANAGEMENT	ALL	specific habitat enhancement/restoration techniques for landowners for habitats, e.g. forests, wetlands, etc.
HABITAT MANAGEMENT	ALL	provide decision-making tools for priority habitats in each region; for landowners, municipalities, conservation authorities, etc.
HABITAT MANAGEMENT	ALL	maintain current native habitats, and encourage restoration and enhancement of additional habitat types
HABITAT MANAGEMENT	ALL	control exotic species
HABITAT MANAGEMENT	ALL	work to regenerate disturbed habitats
HABITAT MANAGEMENT	ALL	control access of ATVs to public lands
HABITAT MANAGEMENT	FOREST	promote "good" forestry, discourage high grading
HABITAT MANAGEMENT	FOREST	manage to maintain nesting cavities
HABITAT MANAGEMENT	FOREST	increase forest size and improve shape where possible
HABITAT MANAGEMENT	FOREST	discourage cattle grazing in woodlands
HABITAT MANAGEMENT	GRASSLAND	control woody growth in areas identified as grasslands
HABITAT MANAGEMENT	GRASSLAND	shift mowing schedules to avoid nesting season
HABITAT MANAGEMENT	GRASSLAND	restore grasslands, alvars
HABITAT MANAGEMENT	GRASSLAND	encourage planting of native grassland species in "wildland" and in working pastures (fall forage)
HABITAT MANAGEMENT	GRASSLAND	work to manage existing public lands for grassland birds
HABITAT MANAGEMENT	SHRUB/ GRASSLAND	make positive use of hydro corridors
HABITAT MANAGEMENT	SHRUB/ GRASSLAND	look at less intensive agricultural practices
HABITAT MANAGEMENT	SHRUB/ GRASSLAND	manage hydro corridors for grassland and shrubland species
HABITAT MANAGEMENT	SHRUB/ GRASSLAND	plant hedgerows
HABITAT MANAGEMENT	WETLAND	flooded swamp restoration
HABITAT MANAGEMENT	WETLAND	implement wetland drain restoration program
LANDSCAPE MANAGEMENT	ALL	consider landscape matrix and the importance of matrix management
LANDSCAPE MANAGEMENT	ALL	allow natural forms of disturbance where possible, e.g. flooding, beaver activity, fire.
LANDSCAPE MANAGEMENT	ALL	use existing protected areas as "source habitats" , improve quality of habitat for priority species while also addressing quantity elsewhere
LANDSCAPE MANAGEMENT	ALL	preserve existing large complexes of natural habitat for source populations
LANDSCAPE MANAGEMENT	FOREST	focus on restoring/encouraging a more forested matrix (historic perspective)
LANDSCAPE MANAGEMENT	FOREST	consolidate core forest complexes
STRATEGIC	ALL	use mapping (GIS etc) to identify potential developing habitat and proactively protect it; use easements, acquisitions, landowner incentives re securement

HABITAT MANAGEMENT RELATED CONSERVATION ACTIONS

THEME	HABITAT TYPE	ACTION
STRATEGIC	ALL	identify securement priorities by habitat type and strategies for intervening landscape
STRATEGIC	ALL	identify large areas for land acquisition & adding to existing public lands, coordinate amongst partners
STRATEGIC	ALL	identify priority habitat types by subregion to assist with planning for land acquisition
STRATEGIC	ALL	prioritize areas for management/restoration
STRATEGIC	ALL	ensure/promote "no net loss" of priority habitats, habitat securement
STRATEGIC	ALL	target private land (bird habitat) stewardship efforts around "core"/"key" habitat areas, e.g. ACFL/HOWA recovery plan "core areas"
STRATEGIC	ALL	take into consideration existing or potential natural heritage systems defined at various scales, e.g. Big Picture, watersheds, etc.
STRATEGIC	ALL	implement habitat actions of SAR Recovery Plans
STRATEGIC	ALL	integrate SAR Recovery Plan actions in each sub-region, amalgamate and integrate actions for different SAR species by sub-region
STRATEGIC	COORDINATION	support and ensure connectivity to other initiatives that conserve habitat, e.g. IBA program, NCC, etc.
STRATEGIC	COORDINATION	link priorities or crosscheck against initial BCR 13 all-bird planning effort, mapping
STRATEGIC	FOREST	identify, map and maintain areas of mature and old growth forest
STRATEGIC	GRASSLAND	promote restoration of native tallgrass communities where known to occur historically
STRATEGIC	GRASSLAND	identify grassland/early successional habitat patches already in public ownership for priority "flagship" grassland management, e.g provincial parks, Cas, federal DND lands, etc.
STRATEGIC	OUTREACH	opportunistically work with existing landowners/stewards to further promote bird habitat conservation
STRATEGIC	POLICY	extend "wilderness zones" in existing parks and reduce or curtail "development zones" inside parks
STRATEGIC	WETLAND	adapt existing wetland securement/enhancement/mangement programs/practices to benefit priority wetland landbirds

OTHER CONSERVATION ACTIONS (NOT IN ANY CATEGORY)**THEME**

ASSESS

COORDINATION

COORDINATION

COORDINATION

COORDINATION

COORDINATION

COORDINATION

PARTNERSHIP BUILDING

PARTNERSHIP BUILDING

STEWARDSHIP

ACTION

quantify threats to priority species and habitats

tie bird conservation needs to conservation priorities for other species and vegetation communities

promote coordination

maintain/forge strong linkages vis a vis PIF/NABCI/EHJV/ONT/CANADA and Neotropical MBCA Act

communicate PIF Ontario BCR 13 plan to appropriate Canada/US partner(ships) (see above)

connect ON/US BCR 13 plans & conservation efforts

link PIF priority habitat locations to other conservation strategies to identify synergies(overlap) and identify PIF

priority effort areas, e.g. SARA, Critical habitat, Great Lakes Blueprint, IBA/AZA

maintain linkages with EHJV

maintain/forge strong links with US BCR 13

recognize good bird habitat stewardship