



THE TORONTO AND REGION CONSERVATION AUTHORITY

Authority Meeting #4/08

Chair: Gerri Lynn O'Connor
Vice Chair: Maria Augimeri
Members:

May 23, 2008
SOUTH THEATRE, BLACK CREEK PIONEER VILLAGE
9:30 A.M.

AGENDA

- | | <u>Pages</u> |
|---|--------------|
| 1. MINUTES OF MEETING #3/08, HELD ON APRIL 25, 2008
(Enclosed herewith on <u>WHITE</u>) | |
| 2. BUSINESS ARISING FROM THE MINUTES | |
| 3. DISCLOSURE OF PECUNIARY INTEREST AND THE GENERAL NATURE THEREOF | |
| 4. DELEGATIONS | |
| 4.1 A delegation by Liz White, Director, Animal Alliance of Canada and Spokesperson, Cormorant Defenders International, speaking in regard to item 7.2 - Management of Double-crested Cormorants at Tommy Thompson Park. | |
| 5. PRESENTATIONS | |
| 5.1 A presentation by John Waller, Director, Long Range and Strategic Planning, Integrated Growth Management Unit, York Region, in regard to item 7.1 - Towards Sustainability in York Region. | |
| 5.2 A presentation by Gord MacPherson, Manager, Restoration and Environmental Monitoring Projects, TRCA, in regard to item 7.2 - Management of Double-crested Cormorants at Tommy Thompson Park. | |
| 6. CORRESPONDENCE | |
| 6.1 A letter dated May 1, 2008 from Councillor Jennifer O'Connell, City of Pickering, in regard to Great Waterfront Trail Adventure. | 27-28 |

6.2	An email dated May 11, 2008 from Mr. Wayne Cox, Toronto, in regard to item 7.2 - Management of Double-crested Cormorants at Tommy Thompson Park.	29
6.3	An email dated May 11, 2008 from Mr. Chuck Wightman in regard to item 7.2 - Management of Double-crested Cormorants at Tommy Thompson Park.	30
6.4	An email dated May 12, 2008 from Mr. G. Turner, Toronto, in regard to item 7.2 - Management of Double-crested Cormorants at Tommy Thompson Park.	31
6.5	An email dated May 12, 2008 from Mr. James Pirhonen in regard to item 7.2 - Management of Double-crested Cormorants at Tommy Thompson Park.	32
6.6	An email dated May 12, 2008 from Ian Goulbourne, Toronto, in regard to item 7.2 - Management of Double-crested Cormorants at Tommy Thompson Park.	33
6.7	An email dated May 14, 2008 from Barbi Lazarus, in regard to item 7.2 - Management of Double-crested Cormorants at Tommy Thompson Park.	34
6.8	An email dated May 14, 2008 from Mary Seguin, in regard to item 7.2 - Management of Double-crested Cormorants at Tommy Thompson Park.	35

CONSIDERATION OF REPORTS TO THE AUTHORITY

7. SECTION I - ITEMS FOR AUTHORITY ACTION

7.1	TOWARDS SUSTAINABILITY IN YORK REGION	36-41
7.2	MANAGEMENT OF DOUBLE-CRESTED CORMORANTS AT TOMMY THOMPSON PARK	42-53
7.3	GIBRALTAR POINT EROSION CONTROL PROJECT	54-60
7.4	GREENLANDS ACQUISITION PROJECT FOR 2006-2010 Guildwood Parkway Erosion Control Project	61-64
7.5	REQUEST TO LEASE TRCA-OWNED LAND ICL Management Inc. City of Pickering CFN 40583	65-67
7.6	CANADIAN WATER RESOURCES ASSOCIATION	68-70
7.7	URBAN GROWTH CENTRES IN THE GREATER GOLDEN HORSESHOE Proposed Size and Location	71-75
7.8	ACCESSIBILITY GUIDELINES	76-78

- 7.9 NAMING OF TORONTO AND REGION CONSERVATION AUTHORITY FACILITY**
Heart Lake Outdoor Aquatic Playground Facility, Heart Lake
Conservation Authority
City of Brampton, Region of Peel 79-81
- 8. SECTION IV - ITEMS FOR THE INFORMATION OF THE BOARD**
- 8.1 COMPENSATION STUDY 82**
- 8.2 WATERSHED COMMITTEE MINUTES**
- 8.2.1 DON WATERSHED REGENERATION COUNCIL**
Minutes of Meeting #3/08, held on March 27, 2008
- 8.2.2 HUMBER WATERSHED ALLIANCE**
Minutes of Meeting #1/08, held on January 15, 2008
- 9. CONSIDERATION OF REPORTS OF THE EXECUTIVE COMMITTEE MEETING #3/08, HELD ON MAY 9, 2008**
- (Refer to pages printed on **PINK**)
- 10. NEW BUSINESS**
- NEXT MEETING OF THE AUTHORITY #5/08, TO BE HELD ON JUNE 27, 2008,
AT 9:30 A.M. IN THE SOUTH THEATRE, BLACK CREEK PIONEER VILLAGE

Brian Denney
Chief Administrative Officer

/af

**9. CONSIDERATION OF REPORTS OF THE EXECUTIVE COMMITTEE MEETING
#3/08, HELD ON MAY 9, 2008**

(Refer to pages printed on **PINK**)

SECTION I - ITEMS FOR AUTHORITY ACTION

- 9.1 GREENLANDS ACQUISITION PROJECT FOR 2006-2010**
Flood Plain and Conservation Component, Etobicoke Creek Watershed
Kingdom Covenant International
CFN 40703 264-266
- 9.2 GREENLANDS ACQUISITION PROJECT FOR 2006-2010**
Flood Plain and Conservation Component, Rouge River Watershed
Ralph and Linda Hollander
CFN 40084 267-270
- 9.3 EXCHANGE OF LANDS**
Vicinity of Riverside Drive, Town of Ajax
Marshall Homes
Duffins Creek Watershed
CFN 40709 271-273
- 9.4 SANITARY SEWER PROJECTS**
King Township Area of the Humber River Watershed 274-278
- 9.5 MIMICO WATERFRONT LINEAR PARK BOARDWALK**
Contract RSD08-08 279-280
- 9.6 LONG TERM OFFICE ACCOMMODATION PROJECT**
Needs Analysis and Preliminary Building Evaluation Phase 280-283

SECTION II - ITEMS FOR AUTHORITY INFORMATION

- 9.7 APPLICATIONS FOR PERMITS PURSUANT TO ONTARIO REGULATION
166/06**
Development, Interference with Wetlands and Alterations to Shorelines and
Watercourses

CITY OF BRAMPTON

- 9.7.1 18 BLACK CHERRY LANE**
To temporarily or permanently place, dump or remove any material,
originating on the site or elsewhere on Lot 9, Plan 43M-1512, (18 Black
Cherry Lane), in the City of Brampton, Humber River Watershed. The
purpose is to undertake works within a TRCA Regulated Area of the
Humber River Watershed in order to facilitate the construction of an in
ground pool. 283-284

9.7.2 CITY OF BRAMPTON

To construct, reconstruct, erect or place a building or structure, site grade and temporarily or permanently place, dump or remove any material, originating on the site or elsewhere, in Centennial Park off Mary Street, in the City of Brampton, Etobicoke Creek Watershed, as located on the property owned by City of Brampton. The purpose is to construct, reconstruct, erect or place a building or structure (pedestrian bridge), site grade (pedestrian pathway) and temporarily or permanently place, dump or remove any material, originating on the site or elsewhere (bank stabilization) in Centennial Park off Mary Street, in the City of Brampton, Etobicoke Creek Watershed, as located on the property owned by TRCA. All construction activity will only be carried out during the warm water timing window of July 1 to March 31.

285-286

9.7.3 CITY OF BRAMPTON

To construct, reconstruct, erect or place a building or structure, site grade and temporarily or permanently place, dump or remove any material, originating on the site or elsewhere in Laurel Crest Park off Lambeth Street, in the City of Brampton, Etobicoke Creek Watershed, as located on the property owned by City of Brampton. The purpose is to construct, reconstruct, erect or place a building or structure (pedestrian bridges), site grade (pedestrian pathway) and temporarily or permanently place, dump or remove any material, originating on the site or elsewhere (bank stabilization) in Laurel Crest Park off Lambeth Street, in the City of Brampton, Etobicoke Creek Watershed, as located on the property owned by City of Brampton. All construction activity will only be carried out during the warm water timing window of July 1 to March 31.

286-288

9.7.4 CITY OF BRAMPTON

To construct, reconstruct, erect or place a building or structure, site grade and temporarily or permanently place, dump or remove any material, originating on the site or elsewhere in Valley Brook Park off Williams Parkway, in the City of Brampton, Etobicoke Creek Watershed, as located on the property owned by City of Brampton. The purpose is to construct, reconstruct, erect or place a building or structure (pedestrian bridge), site grade (pedestrian pathway) and temporarily or permanently place, dump or remove any material, originating on the site or elsewhere (bank stabilization) in Valley Brook Park off Williams Parkway, in the City of Brampton, Etobicoke Creek Watershed, as located on the property owned by City of Brampton. All construction activity will only be carried out during the warm water timing window of July 1 to March 31.

288-289

9.7.5 CITY OF BRAMPTON

To construct, reconstruct, erect or place a building or structure, site grade, temporarily or permanently place, dump or remove any material, originating on the site or elsewhere and alter a watercourse, Kennedy Road (north of Highway 407), in the City of Brampton, Etobicoke Creek Watershed as located on property owned by the City of Brampton. The purpose is to construct, reconstruct, erect or place a building or structure (road widening, culvert extension), site grade, temporarily or permanently place, dump or remove any material, originating on site or elsewhere and alter a watercourse (culvert extension, watercourse realignment), Kennedy Road (north of Highway 407), in the City of Brampton, Etobicoke Creek Watershed. All in or near water works must be completed between July 1 and March 31. 289-291

9.7.6 CITY OF BRAMPTON

To construct, reconstruct, erect or place a building or structure, site grade and temporarily or permanently place, dump or remove any material, originating on the site or elsewhere, Kennedy Road at the Etobicoke Creek bridge, in the City of Brampton, Etobicoke Creek Watershed as located on property owned by the City of Brampton. The purpose is to construct, reconstruct, erect or place a building or structure (road widening, retaining walls), site grade and temporarily or permanently place, dump or remove any material, originating on site or elsewhere, Kennedy Road at the Etobicoke Creek bridge, in the City of Brampton, Etobicoke Creek Watershed. 291-292

9.7.7 CITY OF BRAMPTON

To construct, reconstruct, erect or place a building or structure, site grade and temporarily or permanently place, dump or remove any material, originating on the site or elsewhere on East Half Lot 2, Concession 6 EHS, (South of 104 Walker Drive), in the City of Brampton, Mimico Creek Watershed as located on the property owned by City of Brampton. The purpose is to construct, reconstruct, erect or place a building or structure (sidewalk), site grade and temporarily or permanently place, dump or remove any material, originating on the site or elsewhere (sidewalk), along a portion of Walker Drive, City of Brampton, Mimico Creek Watershed. 292-293

9.7.8 ENBRIDGE GAS DISTRIBUTION INC.

To construct, reconstruct, erect or place a building or structure and temporarily or permanently place, dump or remove any material, originating on the site or elsewhere on The Gore Road, in the City of Brampton, Humber River Watershed as located on the property owned by Enbridge Gas Distribution Inc.. The purpose is to install a NPS 1 PE IP gas pipeline crossing a tributary of the Humber River on the east side of The Gore Road approximately 308 metres north of Castlemore Road, City of Brampton, Regional Municipality of Peel. The pipeline will be installed using trenchless technology. 293-294

WITHDRAWN

9.7.9 ENBRIDGE GAS DISTRIBUTION INC.

To construct, reconstruct, erect or place a building or structure, site grade and temporarily or permanently place, dump or remove any material, originating on the site or elsewhere at 143 Heart Lake Road South, in the City of Brampton, Etobicoke Creek Watershed, as located on property owned by Enbridge Gas Distribution Inc.. The purpose is to construct, reconstruct, erect or place a building or structure (gas line), site grade (ditch) and temporarily or permanently place, dump or remove any material originating on site or elsewhere (open cut) at 143 Heart Lake Road South, in the City of Brampton, Etobicoke Creek Watershed. No in-water works will take place. 295

CITY OF PICKERING

9.7.10 1526 BEECHLAWN DRIVE

To construct, reconstruct, erect or place a building or structure on Lot 59, Plan 40M-1500, (1526 Beechlawn Drive), in the City of Pickering, Duffins Creek Watershed. The purpose is to construct a new side door entrance within a Regulated Area of the Duffins Creek Watershed. 296-297

9.7.11 702 ANTHONY COURT

To construct, reconstruct, erect or place a building or structure on Lot 83, Plan M-1189, (702 Anthony Court), in the City of Pickering, Petticoat Creek Watershed. The purpose is to construct a replacement second storey deck on an existing house located within the Regulatory Floodplain of the Petticoat Creek Watershed. 297-298

9.7.12 519 BELLA VISTA DRIVE

To construct, reconstruct, erect or place a building or structure, site grade and temporarily or permanently place, dump or remove any material, originating on the site or elsewhere on Lot 30, Plan 233, (519 Bella Vista Drive), in the City of Pickering, Rouge River Watershed. The purpose is to construct a new home within a Regulated Area of the Rouge River Watershed. 298-299

CITY OF TORONTO (ETOBICOKE YORK COMMUNITY COUNCIL AREA)

9.7.13 433 THE KINGSWAY

To construct, reconstruct, erect or place a building or structure on Part Block A, Plan 2581, 2615, (433 The Kingsway), in the City of Toronto (Etobicoke York Community Council Area), Humber River Watershed. The purpose is to develop within a TRCA Regulated Area in order to facilitate the construction of a new two-storey single family detached dwelling. The existing dwelling is to be demolished. 299-301

- 9.7.14 CITY OF TORONTO**
 To construct, reconstruct, erect or place a building or structure on The Queensway from Mimico Creek to Lady Bank Road, in the City of Toronto (Etobicoke York Community Council Area), Mimico Creek Watershed as located on the property owned by the City of Toronto. The purpose is to rehabilitate a portion of the The Queensway from Mimico Creek to Lady Bank Road. 301-302
- 9.7.15 CITY OF TORONTO**
 To construct, reconstruct, erect or place a building or structure on Oakfield Drive, in the City of Toronto (Etobicoke York Community Council Area), Mimico Creek Watershed as located on the property owned by the City of Toronto. The purpose is to replace a portion of sanitary sewer along Oakfield Drive. 302-303
- 9.7.16 33 RIDGE POINT CRESCENT**
 To construct, reconstruct, erect or place a building or structure on Lot 116, Plan 4398, (33 Ridge Point Crescent), in the City of Toronto (Etobicoke York Community Council Area), Humber River Watershed. The purpose is to develop within a TRCA Regulated Area of the Humber River Watershed in order to facilitate the construction of a one-storey rear addition to the existing two-storey single family detached dwelling. 303-304
- 9.7.17 207 RIVERSIDE DRIVE**
 To construct, reconstruct, erect or place a building or structure on Part Lot 179, Plan M356, (207 Riverside Drive), in the City of Toronto (Etobicoke York Community Council Area), Humber River Watershed. The purpose is to develop within a TRCA Regulated Area of the Humber River Watershed in order to facilitate the construction of the proposed partial second storey addition and a 1-storey side addition to the existing 2.5-storey single family detached dwelling. 304-305
- 9.7.18 120 THOMPSON AVENUE**
 To change a building or structure so that it alters its use or potential use, increases its size or increases the number of dwelling units on Lot 21, Plan 3622, (120 Thompson Avenue), in the City of Toronto (Etobicoke York Community Council Area), Mimico Creek Watershed. The purpose is to develop within a TRCA Regulated Area of the Mimico Creek Watershed in order to facilitate the construction of a partial second storey addition and facade improvements to the existing 1.5-storey dwelling. 306-307

CITY OF TORONTO (NORTH YORK COMMUNITY COUNCIL AREA)

9.7.19 5 ARTINGER COURT

To construct, reconstruct, erect or place a building or structure on Lot 15, Plan 5454, (5 Artinger Court), in the City of Toronto (North York Community Council Area), Don River Watershed. The purpose is to develop within a Regulated Area of the Don River Watershed to facilitate construction of a new two-storey dwelling. The existing dwelling is to be demolished. 307-308

9.7.20 441 BLYTHWOOD ROAD

To change a building or structure so that it alters its use or potential use, increases its size or increases the number of dwelling units on Lot 15, Plan 205, (441 Blythwood Road), in the City of Toronto (North York Community Council Area), Don River Watershed. The purpose is to develop within a Regulated Area of the Don River Watershed to facilitate construction of a deck and two-storey addition to the rear of the existing dwelling. 308-309

9.7.21 53 PLYMBRIDGE ROAD

To construct, reconstruct, erect or place a building or structure on Lot 22, Plan 2478, (53 Plymbridge Road), in the City of Toronto (North York Community Council Area), Don River Watershed. The purpose is to develop within a Regulated Area of the Don River Watershed to facilitate construction of an in-ground pool, patio and pergola. 309-311

9.7.22 6 ST. MARGARETS DRIVE

To construct, reconstruct, erect or place a building or structure on Lot 3, PART 4, Plan 2773, (6 St. Margarets Drive), in the City of Toronto (North York Community Council Area), Don River Watershed. The purpose is to develop within a Regulated Area of the Don River watershed to facilitate construction of a new two-storey dwelling and detached garage. The existing dwelling and detached garage are to be demolished. 311-312

9.7.23 SHEPPARD VALLEY HOLDINGS LTD.

To construct, reconstruct, erect or place a building or structure, site grade and temporarily or permanently place, dump or remove any material, originating on the site or elsewhere on Part Lot 16, Concession 3 EYS Lot 46, Plan M-1291, (25 Buchan Court), in the City of Toronto (North York Community Council Area), Don River Watershed as located on the property owned by Sheppard Valley Holdings Ltd.. The purpose is to develop within a Regulated Area of the Don River Watershed to facilitate construction of a trail system associated with an adjacent condominium and townhouse development located outside of the Regulated Area. 312-314

CITY OF TORONTO (SCARBOROUGH COMMUNITY COUNCIL AREA)

9.7.24 23 FENWOOD HEIGHTS

To change a building or structure so that it alters its use or potential use, increases its size or increases the number of dwelling units on Lot 51, Plan 3757, (23 Fenwood Heights), in the City of Toronto (Scarborough Community Council Area), Waterfront Watershed. The purpose is to develop within a Regulated Area of the Lake Ontario Waterfront to facilitate construction of a one-storey addition to the rear, and a two-storey addition to the side of the existing dwelling. 314-315

CITY OF TORONTO (TORONTO AND EAST YORK COMMUNITY COUNCIL AREA)

9.7.25 1268738 ONTARIO LTD.

To construct, reconstruct, erect or place a building or structure on Lot 63, 64, 65, Plan 416, (508 Eastern Avenue), in the City of Toronto (Toronto and East York Community Council Area), Don River Watershed as located on the property owned by 1268738 Ontario Ltd.. The purpose is to construct new residential dwellings within a Regulated Area of the Don River Watershed. 315-316

9.7.26 569 KING STREET EAST INC.

To construct, reconstruct, erect or place a building or structure on Part Lot 26, 27, Plan 108, (569 King Street East), in the City of Toronto (Toronto and East York Community Council Area), Don River Watershed as located on the property owned by 569 King Street East Inc.. The purpose is to develop within a TRCA Regulated Area of the Don River Watershed in order to facilitate the conversion of an existing two-storey commercial building into a six-storey condominium building with one level of underground parking, retail at-grade, and 46 residential units on floors two to six. 316-318

9.7.27 HAROLD GROSS REALTY INC. AND MICHAEL GROSS REALTY INC.

To construct, reconstruct, erect or place a building or structure on 1 Market Street, in the City of Toronto (Toronto and East York Community Council Area), Don River Watershed as located on the property owned by Harold Gross Realty Inc. and Michael Gross Realty Inc.. The purpose is to construct a temporary sales trailer within a Regulated Area of the Don River Watershed. 318-319

9.7.28 87 HARPER AVENUE

To construct, reconstruct, erect or place a building or structure on Part Lot 13, 14, Block H, Plan REG PLAN 920 YORK, (87 Harper Avenue), in the City of Toronto (Toronto and East York Community Council Area), Don River Watershed. The purpose is to develop within a Regulated Area of the Don River Watershed to facilitate construction of a new two-storey dwelling. The existing dwelling and is to be demolished.

319-321

CITY OF VAUGHAN

9.7.29 56 STARWOOD ROAD

To construct, reconstruct, erect or place a building or structure on Part Lot 15, Concession 2 Lot 1, Plan 65M-3685, 56 Starwood Road, in the City of Vaughan, Don River Watershed. The purpose is to construct a raised deck with stairs within a Regulated Area of the Don River Watershed at 56 Starwood Road in the City of Vaughan.

321-322

9.7.30 MAYVON INVESTMENTS LIMITED AND ZUREIT HOLDINGS LIMITED

To construct, reconstruct, erect or place a building or structure, site grade and interfere with a wetland on Lot 11, Plan 19T-00V02, 71 William Bowes Boulevard, in the City of Vaughan, Don River Watershed as located on the property owned by Mayvon Investments Limited and Zureit Holdings Limited. The purpose is to construct a new single detached dwelling within a Regulated Area of the Don River Watershed at 71 William Bowes Boulevard in the City of Vaughan.

322-323

9.7.31 91 NAPIER STREET

To construct, reconstruct, erect or place a building or structure and site grade on Part Lot 24, 50, 51, Plan 275, 91 Napier Street, in the City of Vaughan, Humber River Watershed. The purpose is to construct a replacement dwelling and deck within a Regulated Area of the Humber River Watershed at 91 Napier Street in the City of Vaughan.

323-325

TOWN OF AJAX

9.7.32 COUGS INVESTMENTS LIMITED

To site grade and alter a watercourse on Lot 1, 3, Concession 4 Lot 1, 3, Plan 40M-1578, (2700 Audley Road North), in the Town of Ajax, Carruthers Creek Watershed as located on the property owned by Cougs Investments Limited. The purpose is to undertake site grading and alteration of a watercourse in order to construct a watermain and sanitary sewer line.

325-326

9.7.33 TOWN OF AJAX

To construct, reconstruct, erect or place a building or structure, site grade, temporarily or permanently place, dump or remove any material, originating on the site or elsewhere and alter a watercourse on Lot 5, Concession 2, (Kerrison Drive), in the Town of Ajax, Carruthers Creek Watershed. The purpose is to construct the extension of Kerrison Drive from the bridge over Carruthers Creek, west to Salem Road. The fisheries timing window for in and near water works is July 1 to March 31. 327-328

9.7.34 TOWN OF AJAX

To construct, reconstruct, erect or place a building or structure, site grade and temporarily or permanently place, dump or remove any material, originating on the site or elsewhere on Part Lot 9, Concession 3, in the Town of Ajax, Duffins Creek Watershed as located on the property owned by Town of Ajax. The purpose is to construct a pedestrian trail and three pedestrian bridges in the Miller's Creek valley corridor from just north of Williamson Drive to Taunton Road. The fisheries timing window for in and near water works is July 1 to September 15. 328-329

TOWN OF MARKHAM

9.7.35 19 CASTLEGLLEN BOULEVARD

To temporarily or permanently place, dump or remove any material, originating on the site or elsewhere on Lot 16, Concession 6 Lot 74, Plan 65M-3832, 19 Castleglen Boulevard, in the Town of Markham, Rouge River Watershed. The purpose is to undertake works within a TRCA Regulated Area of the Rouge River Watershed in order to facilitate the construction of an in ground swimming pool. 329-330

9.7.36 7550 19TH AVENUE

To construct, reconstruct, erect or place a building or structure on Lot 31, Concession 10, 7550 19th Avenue, in the Town of Markham, Duffins Creek Watershed. The purpose is to undertake works within a TRCA Regulated Area of the Duffins Creek Watershed in order to facilitate the construction of a new storage building. 331-332

9.7.37 58 TROTHEN CIRCLE

To temporarily or permanently place, dump or remove any material, originating on the site or elsewhere on Lot 4, Plan M1909, (58 Trothen Circle), in the Town of Markham, Rouge River Watershed. The purpose is to undertake works within a TRCA Regulated Area of the Rouge River Watershed in order to facilitate the construction of an in ground swimming pool. 332-333

9.7.38 LINDVEST PROPERTIES (CORNELL) LIMITED

To construct, reconstruct, erect or place a building or structure, site grade and temporarily or permanently place, dump or remove any material, originating on the site or elsewhere on Part Lot 9, 10, Concession 9, southeast of 9th Line and Highway 7, in the Town of Markham, Rouge River Watershed as located on the property owned by Lindvest Properties (Cornell) Limited. The purpose is to construct - erect or place a building, conduct site grading and to temporarily or permanently place, dump or remove any material within a Regulated Area of the Rouge River, in order to facilitate the construction of a mixed use development (high density residential buildings and commercial buildings) southeast of 9th Line and Highway 7, in the Town of Markham. 333-335

9.7.39 28 MELCHIOR CRESCENT

To temporarily or permanently place, dump or remove any material, originating on the site or elsewhere on Lot 4, Plan 65M-2459, 28 Melchior Crescent, in the Town of Markham, Rouge River Watershed. The purpose is to undertake works within a TRCA Regulated Area of the Rouge River Watershed to facilitate the construction of an in ground pool and related landscaping. 335-336

9.7.40 4228 19TH AVENUE

To construct, reconstruct, erect or place a building or structure on Part Lot 31, Plan 5, 4228 19th Avenue, in the Town of Markham, Rouge River Watershed. The purpose is to undertake works within a TRCA Regulated Area of the Rouge River Watershed in order to facilitate the replacement of a barn. 336-337

TOWN OF WHITCHURCH-STOUFFVILLE

9.7.41 1339685 ONTARIO INC.

To construct, reconstruct, erect or place a building or structure and site grade on Part Lot 11, Plan 65M-2840, 28 Abbotsford Road, in the Town of Whitchurch-Stouffville, Rouge River Watershed as located on the property owned by 1339685 Ontario Inc. The purpose is to construct a new house on an existing lot within a Regulated Area of the Rouge River Watershed. 337-338

9.7.42 26 RATCLIFF ROAD

To construct, reconstruct, erect or place a building or structure on 26 Ratcliff Road, in the Town of Whitchurch-Stouffville, Rouge River Watershed. The purpose is to construct a new detached garage within a Regulated Area of the Rouge River Watershed. 339-340

9.7.43 YORK REGION DISTRICT SCHOOL BOARD

To site grade, temporarily or permanently place, dump or remove any material, originating on the site or elsewhere and interfere with a wetland on Lot 3, Concession 9, (90 Greenwood Road), in the Town of Whitchurch-Stouffville, Duffins Creek Watershed as located on the property owned by York Region District School Board. The purpose is to undertake site grading and permanently place fill material within an area of interference of a wetland. 340-341

TOWNSHIP OF ADJALA-TOSORONTIO

9.7.44 ADJALA CONCESSION ROAD 3

To construct, reconstruct, erect or place a building or structure on Lot 1, Concession 3, (Adjala Concession Road 3), in the Township of Adjala-Tosorontio, Humber River Watershed. The purpose is to undertake works within a TRCA Regulated Area of the Humber River Watershed in order to facilitate the construction of a single-family dwelling located at Part Lot 1, Concession 3, in the Township of Adjala-Tosorontio. 341-342

THE FOLLOWING PERMIT APPLICATIONS WERE ERRATA ITEMS:

CITY OF BRAMPTON

9.7.45 CITY OF BRAMPTON

To construct, reconstruct, erect or place a building or structure on Queen Street East between Scott Street and Centre Street, in the City of Brampton, Etobicoke Creek Watershed as located on the property owned by City of Brampton. The purpose is to construct, reconstruct, erect or place a building or structure (bridge) on Queen Street East between Scott Street and Centre Street, in the City of Brampton, Etobicoke Creek Watershed as located on the property owned by City of Brampton. All construction activity will only be carried out during the warm water timing window of July 1 to March 31. 343-344

9.7.46 COOPERATIVE FEDERR DE QUEBEC

To change a building or structure so that it alters its use or potential use, increases its size or increases the number of dwelling units on Lot A, Plan 636, (318 Orenda Road), in the City of Brampton, Etobicoke Creek Watershed as located on the property owned by Cooperative Federr De Quebec. The purpose is to undertake works within a TRCA Regulated Area of the Etobicoke Creek Watershed in order to facilitate an addition to an existing industrial building. 344-346

9.7.47 34 BLAKETON COURT

To construct, reconstruct, erect or place a building or structure on (34 Blaketon Court), in the City of Brampton, Humber River Watershed. The purpose is to undertake works within a TRCA Regulated Area of the Humber River Watershed in order to facilitate the construction of an in-ground swimming pool at the rear of an existing dwelling located at 34 Blaketon Crescent, in the City of Brampton. 346-347

CITY OF MISSISSAUGA

9.7.48 REGION OF PEEL

To construct, reconstruct, erect or place a building or structure and temporarily or permanently place, dump or remove any material, originating on the site or elsewhere on Willowbank Trail in the City of Mississauga, Etobicoke Creek Watershed as located on the property owned by the Region of Peel. The purpose is to construct, reconstruct, erect or place a building or structure (watermain) and temporarily or permanently place, dump or remove any material, originating on the site or elsewhere (granular material) on Willowbank Trail in the City of Mississauga, Etobicoke Creek Watershed, as located on the property owned by the Region of Peel. 347-348

CITY OF TORONTO (ETOBICOKE YORK COMMUNITY COUNCIL AREA)

9.7.49 16 RIVERBANK DRIVE

To change the use, size, or number of dwelling units of a structure, or undertake work that does not change the footprint of the existing structure on Lot 17, Plan 4036, (16 Riverbank Drive), in the City of Toronto (Etobicoke York Community Council Area), Mimico Creek Watershed. The purpose is to develop within a TRCA Regulated Area of the Mimico Creek Watershed in order to facilitate the construction of an enclosed sunroom addition and deck to the rear of the existing one-storey single family detached dwelling. 348-349

9.7.50 55 EDGEHILL ROAD

To construct, reconstruct, erect or place a building or structure and temporarily or permanently place, dump or remove any material, originating on the site or elsewhere on Block B, Plan 2630, Part Block A, Plan 2630, (55 Edgehill Road), in the City of Toronto (Etobicoke York Community Council Area), Humber River Watershed. The purpose is to develop within a TRCA Regulated Area of the Humber River Watershed in order to facilitate the construction of a new two-storey single family detached dwelling with an attached garage, indoor/outdoor swimming pools, removal of an existing tennis court and associated landscaping. The existing dwelling is to be demolished. 350-351

CITY OF TORONTO (NORTH YORK COMMUNITY COUNCIL AREA)

9.7.51 ST. JOHN'S REHABILITATION HOSPITAL

To alter a watercourse on Part Lot 21, 22, Concession 1 EYS, (285 Cummer Avenue), in the City of Toronto (North York Community Council Area), Don River Watershed. The purpose is to alter a watercourse through raising a portion of the channel bed, installing grade control and restoring the channel bank with bioengineered bank treatment.

351-352

CITY OF TORONTO (SCARBOROUGH COMMUNITY COUNCIL AREA)

9.7.52 SCARBORO GOLF AND COUNTRY CLUB

To site grade and temporarily or permanently place, dump or remove any material, originating on the site or elsewhere on Lot 16, Concession D, (321 Scarborough Golf Club Road), in the City of Toronto (Scarborough Community Council Area), Highland Creek Watershed as located on the property owned by Scarboro Golf and Country Club. The purpose is to remove and place fill material and site grade within the floodplain and regulated area in order to facilitate renovations of greens and fairways on the existing golf course.

353-354

CITY OF TORONTO (TORONTO AND EAST YORK COMMUNITY COUNCIL AREA)

9.7.53 INTERVAL HOUSE INC.

To construct, reconstruct, erect or place a building or structure on 2 Montcrest Boulevard in the City of Toronto (Toronto and East York Community Council Area), Don River Watershed as located on the property owned by Interval House Inc.. The purpose is to develop within a TRCA Regulated Area of the Don River Watershed in order to facilitate the construction of a new deck and associated walk-way for wheelchair access and a stairway for rear access to the existing building. The building is presently used as housing for a not-for-profit women's shelter.

354-355

9.7.54 39 DON VALLEY DRIVE

To construct, reconstruct, erect or place a building or structure on Lot 69, 70, Plan 2477, (39 Don Valley Drive), in the City of Toronto (Toronto and East York Community Council Area), Don River Watershed. The purpose is to develop within a TRCA Regulated Area of the Don River Watershed in order to facilitate the construction of a new two-storey single family detached dwelling and the reconstruction of the top two tiers to the existing terraced retaining wall structure. The existing dwelling is to be demolished.

355-356

CITY OF VAUGHAN

9.7.55 BLOCK 11 PROPERTIES INC.

To site grade, temporarily or permanently place, dump or remove any material, originating on the site or elsewhere and alter a watercourse on Lot 16, Concession 2, Bathurst Street/Rutherford Road, in the City of Vaughan, Don River Watershed as located on the property owned by Block 11 Properties Inc. The purpose is to conduct site grading, temporarily or permanently place, dump or remove any material within a Regulated Area and to alter a watercourse, in order to remove existing culverts in the East Don River, in Planning Block 11, in the City of Vaughan. 357-358

9.7.56 CANADIAN PACIFIC RAILWAY

To construct, reconstruct, erect or place a building or structure, site grade, temporarily or permanently place, dump or remove any material, originating on the site or elsewhere and alter a watercourse near McGillivray Road to Major Mackenzie Drive, in the City of Vaughan, Humber River Watershed as located on the property owned by Canadian Pacific Railway. The purpose is to construct, reconstruct, erect or place a building or structure (3.0m x 2.4m x 20m precast box culvert, gabion walls, asphalt road), site grade, temporarily or permanently place, dump or remove any material, originating on the site or elsewhere and alter a watercourse to facilitate a new connection road from McGillivray Road to Major Mackenzie Drive, in the City of Vaughan, Humber River Watershed as located on the property owned by Canadian Pacific Railway during the warmwater timing window (July 1 to March 31). 359-360

9.7.57 DUNPAR DEVELOPMENTS INC.

To construct, reconstruct, erect or place a building or structure, site grade and temporarily or permanently place, dump or remove any material, originating on the site or elsewhere on Lots 9, 10, Concession 7, 8299 and 8355 Kipling Avenue, in the City of Vaughan, Humber River Watershed as located on the property owned by Dunpar Developments Inc.. The purpose is to permit development within a Regulated Area of the Humber River Watershed at 8299 and 8355 Kipling Avenue, in the City of Vaughan, to facilitate the demolition of two single-family homes and the construction of a 116-unit townhouse development, which was draft approved as part of a residential plan of subdivision (19T-06V03). 360-362

TOWN OF CALEDON

9.7.58 15915 MOUNT HOPE ROAD

To construct, reconstruct, erect or place a building or structure on Lot 19, Concession 7, (15915 Mount Hope Road), in the Town of Caledon, Humber River Watershed. The purpose is to undertake works within a TRCA Regulated Area of the Humber River Watershed in order to facilitate the construction of a single-family dwelling located at 15915 Mount Hope Road, in the Town of Caledon. 362-363

9.7.59 REGION OF PEEL

To construct, reconstruct, erect or place a building or structure, site grade, temporarily or permanently place, dump or remove any material originating on the site or elsewhere and alter a watercourse along Kennedy Road in the Town of Caledon, Etobicoke Creek Watershed as located on property owned by the Region of Peel. The purpose is to construct, reconstruct, erect or place a building or structure (elevated tank, access road, overflow pond), site grade (elevated tank), temporarily or permanently place, dump or remove any material originating on site or elsewhere and alter a watercourse (culvert), along the east side of Kennedy Road (south of King Street), Town of Caledon, Etobicoke Creek Watershed. 364-365

9.7.60 WINDMILL CUSTOM HOMES

To construct, reconstruct, erect or place a building or structure on Lot 18, Plan 43M-755, (18 Dolan Drive), in the Town of Caledon, Humber River Watershed as located on the property owned by Windmill Custom Homes. The purpose is to undertake works within a TRCA Regulated Area of the Humber River Watershed in order to facilitate the construction of a single-family dwelling located at 18 Dolan Drive, in the Town of Caledon. 365-366

TOWN OF MARKHAM

9.7.61 ANGUS GLEN DEVELOPMENTS LTD.

To site grade, temporarily or permanently place, dump or remove any material, originating on the site or elsewhere and alter a watercourse on Part Lot 19, 20, Concession 5 Lot 24, PART OF 25, Plan 6037, (Major Mackenzie Drive), in the Town of Markham, Rouge River Watershed as located on the property owned by Angus Glen Developments Ltd.. The purpose is to undertake site grading, permanently place fill material and alter a watercourse in order to establish two stormwater management pond outfalls and establish one permanent stormwater management pond. 366-368

9.7.62 27 THORNLEA ROAD

To construct, reconstruct, erect or place a building or structure on Lot 70, Plan 9766, 27 Thornlea Road, in the Town of Markham, Don River Watershed. The purpose is to undertake works within a Regulated Area of the Don River Watershed in order to facilitate the construction of a new residential dwelling. 368-369

9.7.63 REGION OF YORK

To construct, reconstruct, erect or place a building or structure, site grade, temporarily or permanently place, dump or remove any material, originating on the site or elsewhere and alter a watercourse on Lot 20, Concession IX, (Major Mackenzie Bridge over the Little Rouge River, West of 9th Line), in the Town of Markham, Rouge River Watershed as located on the property owned by Region of York. The purpose is to remove the existing bridge (6.9m Length x 14.3m Span/Width x 3.0m Height) and construct structures (23.0 m Length x 25.0m Span/Width x 3.0 m Height bridge with pedestrian rail, temporary retaining walls on north side and permanent retaining walls on south side, abutment walls on all four quadrants, asphalt paving, outfalls on south side) within a Regional Storm Floodplain; to excavate and place fill (for bridge footings, for temporary retaining and permanent retaining walls, for abutment walls, for road widening, for outfalls, for ultimate fill slope) in a Regulated Area; to interfere with a wetland with road widening/bridge construction; to temporarily alter a watercourse (Little Rouge River) during the coldwater timing window (July 1 to September 15) through a coffer dam method in order to work in the dry to conduct in water and near water works associated with the bridge, outfall, abutment wall and retaining wall construction. 369-371

9.7.64 REGION OF YORK

To construct, reconstruct, erect or place a building or structure, change a building or structure so that it alters its use or potential use, increases its size or increases the number of dwelling units, site grade, temporarily or permanently place, dump or remove any material, originating on the site or elsewhere and alter a watercourse on Lot 20, Concession IX , (Ninth Line Bridge over the Little Rouge River approximately 400 metres South of Major Mackenzie Drive East between Major Mackenzie and 16th Avenue), in the Town of Markham, Rouge River Watershed as located on the property owned by Region of York. The purpose is to construct structures (bridge length extension of 5.92 metres on west side and 4.14 metres on east side on an existing bridge with dimensions of 12.41m Length x 25.0 m Span/Width x 3.4m Height, pedestrian rail, temporary retaining walls on east side and permanent retaining walls on west side, abutment walls on all four quadrants, asphalt paving) within a Regional Storm Floodplain; to excavate and place fill (for bridge extension footings, for temporary retaining and permanent retaining walls, for abutment walls, for road widening, for ultimate fill slope on the east side) in a Regulated Area; to interfere with a wetland with the road widening; to temporarily alter a watercourse (Little Rouge River) during the coldwater timing window (July 1 to September 15) through isolation methods in order to work in the dry to conduct in water/near water works associated with the bridge, abutment walls and retaining wall construction.

371-373

9.7.65 TOWN OF MARKHAM

To site grade, temporarily or permanently place, dump or remove any material, originating on the site or elsewhere and alter a watercourse on 7015 Leslie Street, in the Town of Markham, Don River Watershed as located on the property owned by Town of Markham. The purpose is to site grade, temporarily or permanently place, dump or remove any material, originating on the site or elsewhere and alter a watercourse on 7015 Leslie Street, in the Town of Markham, Don River Watershed, during the warmwater fisheries timing window of July 1 to March 31 in order to facilitate long term infrastructure protection and riparian corridor enhancement.

373-374

9.7.66 YORK REGION STANDARD CONDOMINIUM

To construct, reconstruct, erect or place a building or structure on Lot 20, Concession 8, 9909 Highway 48, in the Town of Markham, Rouge River Watershed as located on the property owned by York Region Standard Condominium. The purpose is to undertake works within a TRCA Regulated Area of the Rouge River Watershed in order to facilitate the construction of a telecommunications tower.

374-375

TOWN OF RICHMOND HILL

9.7.67 62 CATALINA CRESCENT

To temporarily or permanently place, dump or remove any material, originating on the site or elsewhere on Lot 7, Plan 65M-3230, 62 Catalina Crescent, in the Town of Richmond Hill, Rouge River Watershed. The purpose is to undertake works within a TRCA Regulated Area of the Rouge River Watershed in order to facilitate the construction of a pool and related landscaping. 376-377

9.7.68 11 WASAGA COURT

To temporarily or permanently place, dump or remove any material, originating on the site or elsewhere on Lot 138, Plan 65M-3896, 11 Wasaga Court, in the Town of Richmond Hill, Rouge River Watershed. The purpose is to undertake works within a Regulated Area of the Rouge River Watershed in order to facilitate the construction of an inground pool. 377-378

9.7.69 SONGBIRD ESTATES (LAKE WILCOX) LTD.

To change a building or structure so that it alters its use or potential use, increases its size or increases the number of dwelling units on Lot 109, Plan 240, 216 Lakeland Crescent, in the Town of Richmond Hill, Humber River Watershed as located on the property owned by Songbird Estates (Lake Wilcox) Limited. The purpose is to undertake works within a TRCA Regulated Area of the Humber River Watershed in order to facilitate the construction of a new dwelling. 378-379

9.7.70 81 BURNDDEAN COURT

To site grade on Lot 1217, Plan 03219, 81 Burndean Court, in the Town of Richmond Hill, Don River Watershed. The purpose is to undertake works within a TRCA Regulated Area of the Don River Watershed in order to facilitate the construction of an in ground pool. 380-381

TOWNSHIP OF KING

9.7.71 TOWNSHIP OF KING

To construct, reconstruct, erect or place a building or structure, site grade and temporarily or permanently place, dump or remove any material, originating on the site or elsewhere on King Road, west of Highway 27, in the Township of King, Humber River Watershed as located on the property owned by Township of King. The purpose is to construct, site grade, place/remove fill/material within the regulated area to install a sanitary sewer and watermain. Works associated with the watercourse crossing within the regulated area on King Road will be constructed during the cold-water fisheries timing window of July 1 to September 15. 381-382

9.7.72 TOWNSHIP OF KING

To construct, reconstruct, erect or place a building or structure, site grade and temporarily or permanently place, dump or remove any material, originating on the site or elsewhere on Contract Area 5, in the Township of King, Humber River Watershed as located on the property owned by Township of King. The purpose is to construct, place/remove fill/material within a regulated area to install a sanitary sewer and reconstruct the road pavement structure within King City Contract Area 5. 383-384

PERMIT APPLICATION 9.7.73 IS PERMISSION FOR ROUTINE INFRASTRUCTURE WORKS:

TOWN OF CALEDON

9.7.73 ENBRIDGE GAS DISTRIBUTION INC.

To undertake sewer and watermain or utility watercourse by trenchless technology on McLaughlin Road, in the Town of Caledon, Humber River Watershed as located on the property owned by Enbridge Gas Distribution Inc.. The purpose is to install a NPS 0.5 PE IP gas pipeline crossing a tributary of the Humber River on the north side of McLaughlin Road approximately 1860 metres east of King Street, Town of Caledon, Regional Municipality of Peel. The pipe will be installed underneath the watercourse by trenchless technology using the Fisheries and Oceans Canada Ontario Operational Statement for High-Pressure Directional Drilling. 385-386

PERMIT APPLICATIONS 9.7.74 - 9.7.92 ARE MINOR WORKS LETTER OF APPROVAL:

CITY OF BRAMPTON

9.7.74 55 SUMMER VALLEY DRIVE

To construct, reconstruct, erect or place a building or structure on Lot 179, Plan 43M-1276, (55 Summer Valley Drive), in the City of Brampton, Humber River Watershed. 386

9.7.75 56 HAWKRIDGE TRAIL

To construct a non-habitable accessory structure up to 50 sq. m (538 sq. ft) on Lot 12A, Plan 43M-1713, (56 Hawkridge Trail), in the City of Brampton, Humber River Watershed. 386-387

9.7.76 16 PASADENA AVENUE

To install a swimming pool on Lot 214, Plan 43M 1714, (16 Pasadena Avenue), in the City of Brampton, Humber River Watershed. 387

CITY OF TORONTO (ETOBICOKE YORK COMMUNITY COUNCIL AREA)

9.7.77 19 DACRE CRESCENT

To undertake minor landscaping involving the placement, removal or regrading of material of less than 30 cubic metres (equivalent to 3 truckloads) and construct a ground floor addition up to 50 sq. m (538 sq. ft) on 19 Dacre Crescent in the City of Toronto (Etobicoke York Community Council Area), Humber River Watershed. 387

9.7.78 218 PARK LAWN ROAD

To undertake minor landscaping involving the placement, removal or regrading of material of less than 30 cubic metres (equivalent to 3 truckloads), construct a ground floor addition up to 50 sq. m (538 sq. ft), construct a ground floor addition or structure greater than 50 sq. m (538 sq. ft) but less than 150 sq. m (1614 sq. ft) and change the use, size, or number of dwelling units of a structure, or undertake work that does not change the footprint of the existing structure on Lot 5, Plan 2234, (218 Park Lawn Road), in the City of Toronto (Etobicoke York Community Council Area), Mimico Creek Watershed. 387

9.7.79 73 BLACK CREEK BOULEVARD

To construct a ground floor addition up to 50 sq. m (538 sq. ft) on Part Lot 89, 90, Plan 3366, (73 Black Creek Boulevard), in the City of Toronto (Etobicoke York Community Council Area), Humber River Watershed. 388

CITY OF TORONTO (NORTH YORK COMMUNITY COUNCIL AREA)

9.7.80 CITY OF TORONTO (PARKS, FORESTRY & RECREATION DIVISION)

To undertake minor landscaping involving the placement, removal or regrading of material of less than 30 cubic metres (equivalent to 3 truckloads) and construct a non-habitable accessory structure up to 50 sq. m (538 sq. ft) on , (443 Arlington Avenue), in the City of Toronto (North York Community Council Area), Don River Watershed as located on the property owned by City of Toronto (Parks, Forestry & Recreation Division). 388

9.7.81 8 ROYCREST AVENUE

To construct a ground floor addition up to 50 sq. m (538 sq. ft) on Lot 18, Plan 3722, (8 Roycrest Avenue), in the City of Toronto (North York Community Council Area), Don River Watershed. 388

9.7.82 WINDEMERE CUSTOM HOMES
To construct a ground floor addition or structure greater than 50 sq. m (538 sq. ft) but less than 150 sq. m (1614 sq. ft) on Lot 125, Plan RP 1750, (69 Highland Crescent), in the City of Toronto (North York Community Council Area), Don River Watershed as located on the property owned by Windemere Custom Homes. 389

9.7.83 YORK CONDOMINIUM CORPORATION NO. 14
To construct a non-habitable accessory structure up to 50 sq. m (538 sq. ft) on , (19 London Green Court), in the City of Toronto (North York Community Council Area), Humber River Watershed as located on the property owned by York Condominium Corporation No. 14. 389

CITY OF TORONTO (TORONTO AND EAST YORK COMMUNITY COUNCIL AREA)

9.7.84 23 GOVERNORS ROAD
To construct a non-habitable accessory structure up to 50 sq. m (538 sq. ft) on Part Lots 74, 75, Plan 2398, (23 Governors Road), in the City of Toronto (Toronto and East York Community Council Area), Don River Watershed. 389

9.7.85 10 WINDLEY AVENUE
To construct a ground floor addition or structure greater than 50 sq. m (538 sq. ft) but less than 150 sq. m (1614 sq. ft) on Lot 148, Plan 1741, (10 Windley Avenue), in the City of Toronto (Toronto and East York Community Council Area), Don River Watershed. 389

9.7.86 11 WEMBLEY DRIVE
To change a building or structure so that it alters its use or potential use, increases its size or increases the number of dwelling units and temporarily or permanently place, dump or remove any material, originating on the site or elsewhere on (11 Wembley Drive), in the City of Toronto (Toronto and East York Community Council Area), Don River Watershed. 389

9.7.87 105 DALRYMPLE DRIVE
To change the use, size, or number of dwelling units of a structure, or undertake work that does not change the footprint of the existing structure on Part Lot 8, Plan 5224, (105 Dalrymple Drive), in the City of Toronto (Toronto and East York Community Council Area), Humber River Watershed. 390

CITY OF VAUGHAN

9.7.88 163 COOKS MILL CRESCENT

To construct, reconstruct, erect or place a building or structure on Lot 102, Plan 65M-3917, (163 Cooks Mill Crescent), in the City of Vaughan, Don River Watershed. 390

TOWN OF CALEDON

9.7.89 122 JAMES STREET

To construct a ground floor addition up to 50 sq. m (538 sq. ft) on Lot 48, Plan BOL - 7, (122 James Street), in the Town of Caledon, Humber River Watershed. 390

9.7.90 RON WILSON CONSTRUCTION LIMITED

To construct a ground floor addition or structure greater than 50 sq. m (538 sq. ft) but less than 150 sq. m (1614 sq. ft) on Lot 21, Plan M-418, (13 Simpon Road), in the Town of Caledon, Humber River Watershed as located on the property owned by Ron Wilson Construction Limited. 390

TOWN OF MARKHAM

9.7.91 20 PARAMOUNT ROAD

To construct a non-habitable accessory structure up to 50 sq. m (538 sq. ft) on Lot 53, Plan 4877, (20 Paramount Road), in the Town of Markham, Rouge River Watershed. 391

TOWN OF RICHMOND HILL

9.7.92 6 MOLISE COURT

To install a swimming pool on Block 65, Plan 65M-2113, (6 Molise Court), in the Town of Richmond Hill, Don River Watershed. 390

CITY OF TORONTO (TORONTO AND EAST YORK COMMUNITY COUNCIL AREA)

9.7.93 FILMPORT DEVELOPMENTS INC

To construct, reconstruct, erect or place a building or structure, site grade and temporarily or permanently place, dump or remove any material, originating on the site or elsewhere on Block 2, Plan 540-E, (225 Commissioners Street), in the City of Toronto (Toronto and East York Community Council Area), Waterfront Watershed as located on the property owned by Filmport Developments Inc.. The purpose is to construct the first portion of Phase 2 of the FilmPort Project comprised of a 7,800 square metre, four storey commercial building. 391-393

9.8	MILLCREEK ESTATES Town of Caledon, Regional Municipality of Peel Humber River Watershed	393-397
9.9	ONTARIO REGULATION 166/06 PERMIT RE-ISSUANCE PROTOCOL	397-399
9.10	REGIONAL WATERSHED MONITORING NETWORK Stream Gauge Monitoring and Maintenance	400-401
9.11	OUT OF COUNTRY TRAVEL Engineering for Ecosystem Restoration Workshop Series, University of Buffalo, Amherst, New York June 9 - 13, 2008	402-403
SECTION IV - ITEMS FOR THE INFORMATION OF THE BOARD		
9.12	LOWEST BID NOT ACCEPTED Picnic Tables	404-406

CORRESPONDENCE 6.1



COUNCILLORS' OFFICE
Direct: 905.420.4605
Facsimile: 905.420.6064

Pickering Civic Complex
One The Esplanade
Pickering, ON L1V 6K7
cityofpickering.com

Jennifer O'Connell
City Councillor – Ward 1

May 1, 2008

Chair and Board Members
Toronto and Region Conservation Authority
5 Shoreham Drive
Downsview, ON M3N 1S4

Re: Great Waterfront Trail Adventure (GWTA)

As Chair of the Pickering Waterfront Coordinating Committee and GWTA Organizing Committee, I am very pleased that TRCA has committed to being a partner with the City of Pickering for the Great Waterfront Trail Adventure event. Specifically, I am pleased to know that the renovations and construction of the washrooms located within the Petticoat Creek Conservation Park will be completed before the GWTA visits Durham on July 6, 2008.

We understand that the repair to the pavilion is not slated for completion until September 2008. As you are aware, the pavilion is in poor condition and is a serious safety concern. TRCA Board members are reminded that this is a major event that will receive provincial and national coverage, with over 200 riders participating. The City of Pickering is committed to ensuring a safe and pleasant GWTA and we look forward to TRCA's cooperation to avoid any potential embarrassment or safety liabilities. Due to the safety concerns, we are asking the Board to direct staff to ensure that both the washroom and pavilion renovations/repairs are completed prior to July 6, 2008.

The GWTA Organizing Committee has determined a detailed work plan to ascertain that any outstanding matters are completed well in advance of the event. We would like the City of Pickering, the Waterfront Coordinating Committee and our community partners to provide our guests with the best possible experience while visiting our community. Therefore, we require any information on all outstanding matters, to ensure our work plan is appropriately updated and all matters are addressed accordingly.

As with all of our community partners who are working with the City of Pickering on this event, we hope to have representation from TRCA at our next organizing meeting. Board members are also welcome to attend our future meetings and site visits. If you are interested, I will provide you with these dates. In addition, I would ask the Board to assign a staff person who can provide regular status updates to my staff in between meetings.

Thank you for your continuing commitment to work with the City of Pickering to make sure that the Great Waterfront Trail Adventure is a huge success.

Sincerely,



Jennifer O'Connell
City Councillor – Ward 1

Copy: Mayor Ryan
Members of Council
Chief Administrative Officer
Waterfront Coordinating Committee Members

City Tel: 905.420.4609

Fax: 905.420.6064
Residence Fax: 905.420.0802
Email: joconnell@city.pickering.on.ca

Residence Tel: 905.420.2282

CORRESPONDENCE 6.2

"Wayne Cox"

05/11/2008 09:00 AM

Please respond to "Wayne Cox"

To <kstranks@trca.on.ca>
cc <mayor_miller@toronto.ca>
Subject bird control

I support the bird control program proposed by the city.

There are far too many cormorants and canada geese creating environmental and pollution problems !

Wayne Cox

Toronto

CORRESPONDENCE 6.3

"Chuck Wightman"

05/11/2008 02:33 PM

To <mayor_miller@toronto.ca>,
<councillor_fletcher@toronto.ca>, <info@trca.on.ca>
cc
Subject Cormorant Cull

Dear Mr. Miller and Ms Fletcher,

I am writing you with regard to the proposed cull of the Leslie Spit's coromorant population. Having just visited the Spit a few weeks ago, the vast migratory population was indeed one of the great draws to what while still undergoing rehabilitation is a somewhat bleak corner of the city.

While the birds may be a burden to the trees in that specific area, the same could be argued of the beaver population, and the loss or reduction of either population would be a tragedy. Both will be forced by nature to limit their populations and the presence of both adds a fascinating element to the Spit.

The Spit covers quite a broad area and thus I would suggest there is plenty of space for everyone. The birds have not moved to other forested areas on the Spit, so perhaps they recognize the limits to their population.

The money required for a cull could be far better spent expediting the regeneration of the rest of the Spit landscape.

Regards,
Chuck Wightman

CORRESPONDENCE 6.4

"9thermidor"

05/12/2008 02:08 PM

To <info@trca.on.ca>
cc <miller@toronto.ca>
Subject Killing of Cormorants

Toronto and Region Conservation Authority

To whom it may concern: May 12, 2008

I am strongly opposed to the proposed killing of all birds and their eggs at Tommy Thompson Park. I know this has been going on for awhile (Canada geese and ring-billed gulls) and now you want to add cormorants.

Where does it end?

Humans created the conditions where these birds can flourish and because they are so adaptable they are to be killed.

Is this a one time kill or will you need to continue doing this for years?

What a stupid idea.

Mr. G. Turner
Toronto

CORRESPONDENCE 6.5

"James Pirhonen"

05/12/2008 04:05 PM

To <mayor_miller@toronto.ca>
cc <info@trca.on.ca>, <lettertoed@thestar.ca>
Subject Cormorants on the spit

Mayor Miller,

Please do not be swayed by such a small minority of people trying to protect to cormorants. They make the TRCA sound like barbarians that are out to kill live birds. In no way has the TRCA said they will kill live birds. They do wish to disturb their habitat and encourage diversification. The Leslie Street Spit is currently being destroyed by the over population of the birds. They are starting to spread out through the city, and no doubt they will begin to have a dramatic effect on the "forest city", which might need to be renamed "Dead Wood City" once those birds are done.

I feel it was absolutely foolish of you to announce a "cormorant day". If you feel that there isn't any problem, I challenge you to take your family and have a picnic at the end of the spit. We keep losing the memory that the Leslie Spit is a land fill, not a natural area. Natural areas are more diversified and capable of sustaining these bird colonies. Although they make the argument about the food supply, that argument doesn't take into account the fact that the majority of the birds feeding from such a large area are concentrated in such a small area. At best, the spit is a very fragile area, with weak trees that cannot tolerate the stress imposed by these birds.

I fully support the actions of the TRCA and plead that you do not interfere with their actions. They are well trained scientists, not uneducated activists.

Sincerely;

James Pirhonen

CORRESPONDENCE 6.6

>>> "ian" 5/12/2008 10:04 PM >>>

Hello Mr. Miller

I would like to know where the may 23rd meeting is taking place to discuss the possible cormorant cull on the spit, and if its open to the public.

Having seen the devastation these birds do to our trees and park areas and the millions of dollars we loose in stocked fish I personally, as a resident of Toronto, hope that you and your council take the advise from the MNR and conservation officers and take a stand against these birds and agree to a cull.

I look forward to hearing back from you

Yours truly

Ian Goulbourne
Toronto,

CORRESPONDENCE 6.7

"Barbi Lazarus"

05/14/2008 04:19 PM

To "Kathy Stranks" <KStranks@trca.on.ca>
cc
Subject RE: Cormorants on the Leslie Street Spit-for
distribution to Board members

Dear TRCA Board Members,

I am writing because I am concerned to hear of the TRCA's plans to move forward with egg oiling of double crested cormorants without releasing the details of the plan to the public for comment. As I attended the public consultation in April regarding the management of cormorants, and am aware that the public and stakeholders were actively engaged and eager to participate and comment on such measures, I feel it is unethical and undemocratic for the TRCA to move forward with an egg oiling project without releasing the details to the public.

I care about this issue deeply and would like be able to participate in any decision made regarding this issue. The public and stakeholders spoke at the public consultation, with the majority opposed to cormorant management, including egg oiling, on the Leslie Street Spit.

I sincerely hope the board will take into consideration the comments made at the consultation, and not push forward a project without further public input on the details of the plan.

Thank you for your time and consideration,

Barbi Lazarus

CORRESPONDENCE 6.8

"Mary Seguin"

05/14/2008 10:49 AM

To <kstranks@trca.on.ca>
cc
Subject cormorants

ATTENTION: Kathy Stranks

Dear Kathy,

I feel strongly that the public should be aware of the decision to lethally control nesting cormorants at Tommy Thompson Park. This attempt to "back door" this important issue is not acceptable as we live in Canada and freedom of speech is relevant.

M Seguin

TO: Chair and Members of the Authority
Meeting #4/08, May 23, 2008

FROM: Brian Denney, Chief Administrative Officer

RE: **TOWARDS SUSTAINABILITY IN YORK REGION**

KEY ISSUE

Support for York Region's Sustainability Strategy and alignment of Toronto and Region Conservation Authority projects and programs.

RECOMMENDATION

THAT York Region be congratulated for developing Towards Sustainability in York Region and for the early implementation action that has already been apparent;

THAT Toronto and Region Conservation Authority (TRCA) staff be directed to assist and support York Region in their efforts toward implementation the sustainability strategy;

THAT TRCA staff be directed to participate in various monitoring and sustainability forums or workshops, including the Towards Sustainability in York Region Advisory Group if continued as part of the Strategy implementation;

THAT TRCA encourage York Region to continue and expand their support for The Living City Campus at Kortright and its role in providing demonstrations of sustainable technologies, information and education programs for York Region residents, businesses and stakeholders;

THAT TRCA work closely with the the Region and area municipalities on intensification projects, such as Vaughan Corporate Centre, to demonstrate a variety of greening and sustainability measures including natural heritage systems, green buildings, stormwater management, flood remediation, community energy and transit integration;

AND FURTHER THAT TRCA and York Region officials meet to determine further areas of collaboration toward achieving the sustainability strategy.

BACKGROUND

At Authority Meeting #9/07, held on November 30, 2007, Resolution #A286/07 was approved, in part, as follows:

...AND FURTHER THAT the Regional Municipality of York be requested to make a presentation to the Authority once their sustainability strategy is finalized.

In late 2007 York Region Council approved their sustainability strategy – *Towards Sustainability in York Region* after consultation with an advisory group and stakeholders within the region. TRCA's Chief Administrative Officer participated on the Towards Sustainability in York Region Advisory Group formed to advise on better integration of environment, development and infrastructure. TRCA staff has also provided comments to the Region through attendance at various forums as they advanced the strategy. In addition, staff has been working with the Region on a number of other initiatives that contribute to this Strategy. These other initiatives include:

- Regional Official Plan update;
- Infrastructure Master Plans Update;
- The Greening Strategy and Land Securement Initiatives;
- The State of the Environment Report 2005;
- Natural Heritage Discussion Paper.

The purpose of the York Region sustainability strategy is to provide a long-term framework for making smarter decisions about growth management and all municipal responsibilities that better integrate the economy, environment and community.

The plan outlined a number of guiding principles for implementation and theme areas with specific action as follows:

Guiding principals for Implementation

Principle 1: Provide a long-term perspective on sustainability.

Principle 2: Evaluate using the triple bottom-line elements of environment, economy and community.

Principle 3: Create a culture of continuous improvement, minimizing impact, maximizing innovation and increasing resiliency.

Principle 4: Identify specific short-term achievable actions that contribute towards a sustainability legacy.

Principle 5: Set targets, monitor and report progress.

Principle 6: Foster partnerships and public engagement.

Principle 7: Create a spirit of stewardship, shared responsibility and collaboration.

Principle 8: Raise the level of sustainability awareness through education, dialogue and reassessment.

Principle 9: Promote sustainable lifestyles and re-evaluation of our consumption and expectations.

Theme Areas

- I. Corporate Culture of Sustainability
- II. Healthy Communities
- III. Economic Vitality
- IV. Sustainable Natural Environment
- V. Education, Engagement and Partnerships
- VI. Sustainability Implementation and Monitoring

A variety of actions accompany each theme area.

Opportunities for Collaboration

The sustainability strategy is intended to provide an integrated, innovative and long-term view for the future of York Region. In this way, decisions can be evaluated that strengthen the environment, economy and communities. TRCA supports the direction and elements of the strategy. It will be key to guiding the growth planning that York Region is also engaged in and in mitigating the effects of climate change. It is important that the Region and its partners take co-ordinated action on climate change, as recently initiated at the Climate Change in York Region workshop.

The themes are discussed further below, highlighting opportunities and areas of alignment between the Region and TRCA projects and programs.

Theme – Corporate Culture of Sustainability

The Region has a number of action items under the Theme of Corporate Culture of Sustainability around corporate practice for:

- green procurement;
- education of staff and council;
- full cost and life cycle accounting;
- greening of corporate facilities;
- emissions reductions of harmful pollutants; and
- establish a Regional Office of Sustainability.

TRCA, with the Region's help, is working to position The Living City Campus at Kortright as a knowledge and demonstration centre where technology, green building forms and expertise will be housed and available to municipalities, academics, private sector interests and the general public. The initiative proposed here compliments the needs of the Region and will provide a centrally located hub for one stop shopping on sustainability and climate change.

Theme – Healthy Communities

The Region has a number of action items under the Theme of Healthy Communities including:

- changes to community design;
- integration of growth, infrastructure and natural heritage system plans;
- promotion of transit, cycling and walking;
- affordable housing;
- recognition for culture and heritage of the area;
- provision of human services in pace with development;
- incentives for Leadership in Energy and Environmental Design (LEED) projects;
- holding a Sustainable Greenfield workshop.

Projected growth in the Region provides opportunities for community planning that incorporates sustainability measures. The Sustainable Greenfield workshop, Best Practises for New Communities publication and future workshops, as well as the results of the Sustainable Technologies Evaluation Program (STEP) will all contribute to change in how communities are planned and designed.

One of the largest and most complex intensification projects in the Region is the Vaughan Corporate Centre. Here, there is an opportunity to profile a variety of intensification issues including green buildings, transportation systems, storm water management, natural heritage, flood remediation and community energy. With new guidance from the Region to assist the planning processes currently underway in the City of Vaughan there is a great opportunity for collaboration to achieve a model intensification project, showcasing new and emerging technologies.

Access to the outdoors is important for providing nature based recreation opportunities, including trails and nature appreciation that contribute to healthy communities in many ways. Conservation authorities operate conservation areas and education field centres within the Region that provides such opportunities. TRCA is developing the Oak Ridges Corridor Park in the heart of Richmond Hill and the Rouge Park North/Little Rouge Corridor Park in Markham.

Theme – Economic Vitality

The Region has a number of action items under the Theme of Economic Vitality including:

- Canadian work opportunities for the new immigrant work force;
- sustainable business directory of companies;
- engaging the business community in energy and water conservation;
- initiating a greening technology centre of excellence;
- support for local foods and near urban agriculture;
- expansion of local tourism opportunities.

TRCA has a number of existing programs that address the action items outlined above. These include the Professional Access and Integration Enhancement program (PAIE) that TRCA is an undertaking with the Province of Ontario and the federal government to provide opportunities for internationally-trained professionals to gain Canadian work experience and professional certification. The Region is a participant in the Career Bridge program.

TRCA's Community Transformation Program carries out a number of sector-based programs to drive energy and water conservation, including Greening Retail, Greening Health Care, Sustainable Schools and Mayors' Megawatt Challenge.

As noted for corporate culture theme, TRCA is developing The Living City Campus at Kortright which is already becoming a greening technology centre of excellence. With the partners already lined up and demonstrations of technology and green building forms in place, TRCA welcomes an expanded role by the Region in helping to implement the master plan for the Campus.

The Region already supports the Sustainable Technologies Evaluation Program (STEP) which assesses the performance of various water and energy related technologies.

Theme – Sustainable Natural Environment

The Region has a number of action items under the Theme of Sustainable Natural Environment including:

- identification of a natural heritage system for York Region;
- investigating community energy planning techniques and energy efficient systems;
- working to improve the quality and quantity of stormwater;

- protection for surface and ground waters;
- green building strategy.

TRCA has been working with the Region to develop the natural heritage system and watershed plans that outline the extent of action required to manage growth and its effects on the environment. The Authority will be working closely with the Region to advance Implementation of the recommendations coming out of the watershed plans.

Stormwater remains a significant issue for the quality and quantity of water in the Region. Support for the innovative approaches is already provided by the Region for the STEP program but the Region should also consider support for specific stormwater retrofit studies and implementation projects as they are essential to the protection of surface and groundwater and local infrastructure.

Theme - Education, Engagement and Partnerships

The Region has a number of action items under the Theme of Education, Engagement and Partnerships including:

- education of residents, schools, businesses;
- sustainability website;
- reconstitution of the advisory group;
- incorporate sustainability into the curriculum of York Region school boards;
- continued work with conservation authorities on greening, climate change and intensification.

Through the TRCA education and stewardship programs and field centres, a number of projects to provide environmental curriculum (e.g. EcoSchools) and outreach activities, particularly around communicating climate change action for residents, are already available. The York Region Public School Board is a partner at the Lake St George Field Centre, and TRCA and York Region already partner to deliver the York Children's Water Festival which can shift to incorporate more sustainable lifestyle messaging.

In partnership with the Toronto City Summit Alliance (TCSA) and Evergreen Foundation, TRCA has a request for funding before the Province to support various greening initiatives, including a web portal to identify and promote prioritized best practices, to help galvanize region-wide community action, and to show the GTA's performance against a series of key environmental metrics. The site will link to and build on the strengths and unique features of TRCA, Evergreen, the TCSA and other web resources, including the many local nongovernmental organizations working on environmental issues such as alternative transportation, downspout disconnection, energy home audits, and those being developed by the Greater Toronto Chapter of the Canada Green Building Council, World Green Building Council and the Sustainable Technologies Evaluation Program.

DETAILS OF WORK TO BE DONE

- Meet with Region staff to determine where TRCA can assist in the implementation of the strategy.

- Identify funding requirements in 2009-2013 budget submission to assist in implementing some of the actions upon identification of areas of alignment with York Region staff. Opportunities have been identified for contribution to or expansion of existing programs including those for community transformation, STEP, stormwater management retrofits, sustainable community planning and design, The Living City Campus as a centre for sustainability and climate change response, sustainability webportal, watershed plan implementation and delivering access to outdoor recreation, education and expansion of recreation or tourism opportunities within the public land base.

FINANCIAL DETAILS

Participation in the York Region sustainability process is supported through the operating budget. York Region has supported the retrofit of the Kortright Centre for the past 3 years from Capital projects. Staff will be working with York Region to align TRCA's 5 year (2009-2013) budget ask with the directions emerging from the various regional initiatives, including the sustainability strategy and climate change initiatives.

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Date: May 13, 2008

TO: Chair and Members of the Authority
Meeting #4/08, May 23, 2008

FROM: Nick Saccone, Director, Restoration Services

RE: MANAGEMENT OF DOUBLE-CRESTED CORMORANTS AT TOMMY THOMPSON PARK

KEY ISSUE

Management concerns regarding Double-crested Cormorants at Tommy Thompson Park.

RECOMMENDATION

THAT staff be directed to continue to work with the cormorant advisory group to assist Toronto and Region Conservation Authority (TRCA) in addressing management concerns regarding colonial waterbirds at Tommy Thompson Park (TTP);

THAT staff be directed to work with the Ontario Ministry of Natural Resources, Canadian Wildlife Service and any other required regulatory agency to seek approval for the 2008 management strategy for colonial waterbirds at TTP;

THAT staff be directed to implement the proposed management strategy for 2008;

That staff be directed to continue to actively participate in local, regional and binational committees/working groups addressing the management and protection of colonial waterbirds;

AND FURTHER THAT staff report back to the Authority next year regarding the management of Double-crested Cormorants at Tommy Thompson Park.

BACKGROUND

In 1959, the Toronto Harbour Commissioners (now known as the Toronto Port Authority) began construction of a spit of land at the base of Leslie Street in the City of Toronto. From 1959 until present day, a combination of lakefilling and dredging activities has created the current configuration of Tommy Thompson Park. TTP extends 5 kilometres into Lake Ontario and occupies an area of approximately 260 hectares of combined land and water.

Tommy Thompson Park has evolved into a significant feature along the shore of Lake Ontario. It is home to diverse bird, fish, reptile, amphibian, mammal and vegetation communities, which has resulted in TTP being formally designated as a Globally Significant Important Bird Area (IBA) and an Environmentally Significant Area (ESA #120). The international IBA designation demonstrates the significance of TTP both nationally and globally. As an ESA, TTP is recognized as supporting an unusually high diversity of biological communities.

Double-crested Cormorants (DCCO) populations in the Great Lakes declined dramatically in the 1960 and '70s, primarily because of toxic contaminants, such as DDT, which caused thinning of eggshells and other health problems, leading to reproductive failure. Due to new regulations, increased enforcement and public awareness, toxic contaminants were significantly reduced by the 1980s, and cormorant populations have made a dramatic and successful recovery.

Double-crested Cormorants began colonizing Tommy Thompson Park in 1990, when six nests were built in cottonwood trees at the end of Peninsula B. By 2007, there were 7,240 nesting pairs, representing a population of about 28,235 individuals including chicks, on Peninsulas A, B and C (Figure 1).

The DCCO colony at TTP has now become the largest known colony of cormorants on the Great Lakes, and represents 32% of the total population nesting in the Lake Ontario basin. The colonies of Double-crested Cormorants and other waterbirds, including Black-crowned Night-Herons (BCNH), Ring-billed Gulls and Common Terns, are one of the reasons it is celebrated an important ecological site of global significance.

In 1992, the master plan and Environmental Assessment for TTP was completed, providing direction for the development of the park. The goals of the master plan are:

- to conserve and manage the natural resources and environmentally significant areas;
- to provide a unique, water-oriented open space which will assist in meeting regional needs;
- to develop public awareness regarding the significance of the Lake Ontario waterfront and Tommy Thompson Park.

Tommy Thompson Park has also become a unique place for a variety of human activities, attracting well over 250,000 visitors a year. These visitors only access the park on weekends and holidays, and represent a very broad range of activities and interests including birdwatchers, naturalists, cyclists, in-line skaters, pleasure walkers, joggers, researchers and students.

In 1990 TRCA staff initiated a detailed monitoring program to track DCCO growth and expansion, impacts on vegetation cover and the dynamic interactions on other colonial bird nesting species. Staff has used this data and knowledge as the foundation for: participation in a binational Great Lakes Area Working Group on Colonial Waterbirds (GLAWGCW), presentations at international conferences, and working with the scientific and research community. The data collected since the early 1990s has been recognized by other agencies/institutions as one of most complete and comprehensive data sets on DCCO on the Great Lakes.

Some of the key conclusions of the research are:

- Cormorant nesting has resulted in the loss or degradation of about 24% of the forest habitat available at TTP.
- Peninsula A is now devoid of forest cover.
- Peninsula B has lost all the trees at the tip and most of the remaining trees are in poor health and expected to die within the next few years.
- Tree health is rapidly declining on Peninsula C.

- Average annual population increase was about 19% between 1998 and 2007.
- The expansion of DCCOs has displaced BCNHs from their primary nesting areas into marginal areas which are prone to disturbance by park users.
- Based on the rapid growth of the cormorant colony since 1990, it is expected that, if no management measures are undertaken, the population will continue to grow and cormorants will move into new areas to nest such as Peninsula D.

TRCA celebrates the presence of cormorants at TTP and values their contribution to the biodiversity of the park. However, concerns have been raised about the impacts of cormorants on tree health and biodiversity at TTP. To address these concerns, and to ensure the objectives of the master plan are addressed, TRCA embarked on a process to involve stakeholders and the public in assessing the need for management and developing a strategy for cormorants at TTP.

The goal of the process is to achieve a balance between the continued existence of a healthy, thriving cormorant colony and the other ecological, educational, scientific and recreational values of Tommy Thompson Park.

The objectives are:

- a) Increase public knowledge, awareness and appreciation of colonial waterbirds.
- b) Deter cormorants from nesting on Peninsula D.
- c) Limit further loss of tree canopy on the peninsulas beyond the existing cormorant colonies.
- d) Continue research on colonial waterbirds in an urban wilderness context.

A cormorant advisory group of stakeholders and experts, including conservationists, academics and interest groups from across the spectrum was established to provide advice and input. The advisory group met on January 24, February 19 and April 23, 2008. Members of the advisory group include:

TRCA

Restoration Services

Federal/Provincial

Canadian Wildlife Service
 Ontario Ministry of Natural Resources
 Toronto Port Authority
 Transport Canada

City of Toronto

Parks, Forestry and Recreation

Academia

University of Toronto
 York University

Interest Groups / Stakeholders

Aquatic Park Sailing Club

Cormorant Defenders International:

Animal Alliance of Canada

Canadians for Snow Geese

Earthroots

Zoocheck Canada

Friends of the Spit

Ontario Nature

Toronto Island Residents

Toronto Ornithological Club.

The following organizations are not members of the cormorant advisory group, but have been provided with all of the advisory group communications:

- City of Toronto Public Health;
- Local Enhancement and Appreciation of Forests (LEAF);
- Outer Harbour Sailing Federation;
- Ontario Society for Prevention of Cruelty to Animals (OSPCA).

Discussions with the cormorant advisory group have been extremely valuable, resulting in:

- Better understanding of the range of values that TTP represents to different stakeholders.
- Improved understanding of the significance and values associated with waterbird colonies.
- Development and refinement of the goal and objectives.
- General agreement that some form of management is necessary, providing that the methods are humane to cormorants and do not affect other wildlife at TTP.
- Refinement of proposed management techniques for use on each of the four peninsulas.
- Advice on consultation with the public.

Most members of the advisory group agreed that action should be taken to contain the spread of the cormorant colonies. There was general support for most of the 2008 management program proposed by TRCA. Advisory group members agreed that pre-nesting deterrence, post-breeding deterrence, enhanced ground-nesting and habitat restoration are all appropriate techniques, as long as the methods are humane to cormorants and do not affect other wildlife.

Some advisory group members do not support the proposed research on egg-oiling. They believe that:

- egg oiling does not effectively control population growth;
- egg oiling of ground nests will encourage increased tree nesting;
- egg oiling will have harmful effects on cormorant behaviour and health;
- egg oiling may have adverse effects on other colonial nesting bird species;
- research is not needed because there is enough information already about effects of egg oiling;

The proposed egg-oiling research is specifically designed to address these perceived concerns.

A web-page devoted to cormorants at TTP was launched on March 3, 2008 at <http://www.trca.on.ca/cormorants>. It includes background information on cormorants at TTP, advisory group meeting notes, the public meeting presentation and report, and links to relevant resources.

The public meeting on April 3, 2008 was attended by approximately 80 participants, comprised mainly of members of stakeholder groups. Participants were invited to discuss the goal, objectives, potential methods and application of the methods in discussions at ten round-tables facilitated by TRCA staff. TRCA also received 42 individual comments from public meeting attendees as well as individuals who were not able to attend. A report from the public meeting was prepared and posted on the TRCA website. The report summarizes the individual opinions and round table discussions. Participants expressed support for the consultative, transparent process that TRCA is undertaking. There was considerable support for the overall goal, but also some concern that “balance” can be interpreted in different ways. Most people endorsed the objectives to increase public knowledge, awareness and appreciation of colonial waterbirds and to continue research. There was considerable support for deterring cormorants from nesting on Peninsula D, if the least intrusive methods are used. There was a range of opinions on whether to limit further loss of tree canopy on the other peninsulas, and on methods to accomplish this. Overall recommendations regarding the methods were to ensure the humane treatment of cormorants and avoid disturbance of other species. There were some misunderstandings concerning the purpose and effects of some of the methods and it was noted that egg oiling had the least amount of support.

In order to solicit more input from the public about the cormorant colonies at TTP, staff prepared a fact sheet and comment sheet for participants at the Spring Bird Festival which was held on May 10, 2008. Park users had the opportunity to view the cormorant colonies and learn more about cormorants at TTP from TRCA staff. Visitors had the opportunity to express their views via a survey and comment sheet. The survey was given to 25 people who had just taken a tour of the Peninsula C colony or who had listened to staff interpret the TTP colony. Every person surveyed supported the overall goal of the strategy. When asked if they supported management of the cormorant colony at TTP, 75% did agree with management while 25% did not agree. Of all the people surveyed, 12.5% supported management only if egg oiling was not used. A number of participants expressed the importance of education about the situation; one person even indicated that this process had changed their opinion in favour of management.

TRCA has a long standing commitment to colonial waterbird research and management at TTP. Since 1984 TRCA, under permit of the Canadian Wildlife Service (CWS) and the Ministry of Natural Resources, has engaged in a Ring-billed Gull management program at TTP. The program was initiated in consultation, and under direction of the provincial and federal agencies, as well as local municipal and interested stakeholders. The program was initiated to address concerns including:

- airport flight safety hazards;
- economic damage to agricultural industry;
- outdoor nuisance management issues;
- displacement of other significant species such as Common and Caspian Terns;
- vegetation growth impairments;
- water quality concerns.

The goal of the Ring-billed Gull program is to restrict gull nesting and breeding to the western peninsulas, and maintain a gull population of an approximate maximum of 50,000 nesting pairs. Management techniques include the use of deterrents, vegetation management, enclosure creation and egg oiling. The program has been successful at addressing the concerns regarding the impacts of the Ring-billed Gull colonies, and the population has been maintained at approximately 30,000 nesting pairs.

TRCA also uses egg oiling as a management technique for Canada Geese and Mute Swans. The Canada Goose Management Program addresses problems caused by geese and Mute Swans in urban settings such as: fouling of public lands, water quality impairment, safety concerns when driving or flying and aggressiveness towards humans during breeding, nesting and brood season. Mute Swans are an introduced species that often disrupt or displace native marsh birds and cause a decline in marsh vegetation due to their voracious appetite. This program uses a variety of techniques to discourage Canada Geese from waterfront parks and utilizes egg oiling as part of a strategy to limit reproduction. Under permit from CWS over 2096 Canada Goose nests containing 8,892 eggs have been treated and 149 Mute Swan nests containing 847 eggs have been treated since the start of the program in 1998.

The DCCO colony at TTP is one of the only colonies on the Great Lakes that is not, or has not, been actively managed at some time. To date the TRCA has not engaged in population control of cormorants at TTP.

RATIONALE

An extremely high level of concern has been expressed regarding DCCO populations and their management. Concerns have been raised from both sides of the issue, on the one hand calling for management, and on the other hand for protection of the birds and their nesting colonies. TRCA has an obligation to manage Tommy Thompson Park as directed by the Master Plan for Tommy Thompson Park as approved under the Environmental Assessment Act. To meet the intent of the Master Plan, TRCA staff feel that there is a strong rationale for undertaking a strategic approach to the management of Double-crested Cormorants at Tommy Thompson Park.

Since November 2007, TRCA has involved stakeholders and the public in assessing the need for management and developing a strategy for cormorants at TTP. Generally, throughout the process there has been agreement that some form of management is necessary and appropriate, providing that the methods are humane to cormorants and do not affect other wildlife. Consensus was reached among advisory group members, and the public on a number of matters, however the use of egg oiling as a management technique continues to raise concerns.

Egg oiling is a common management tool used on cormorant colonies throughout North America, however there are no published studies which examine the behavioral responses of cormorants on the nest after egg oiling takes place. The proposed research project by York University (see below) has been designed to specifically address potential behavioral responses to a management scenario that includes egg oiling. The results of this study will provide valuable information about the appropriateness of egg oiling as a technique to assist in achieving the goal and objectives of Double-crested Cormorant management at Tommy Thompson Park.

The TRCA staff has therefore developed the following strategic approach to the management of cormorants at TTP for the 2008 season.

DETAILS OF WORK TO BE DONE

Goal and Objectives

The goal of the management strategy is to achieve a balance between the continued existence of a healthy, thriving cormorant colony and the other ecological, educational, scientific and recreational values of Tommy Thompson Park. The specific objectives of the strategy are to:

- a) Increase public knowledge, awareness and appreciation of colonial waterbirds.
- b) Deter cormorants from nesting on Peninsula D.
- c) Limit further loss of tree canopy on the peninsulas beyond the existing cormorant colonies
- d) Continue research on colonial waterbirds in an urban wilderness context.

Increasing Public Knowledge, Awareness and Appreciation

TRCA will seek all opportunities to increase public awareness and appreciation of Double-crested cormorants and other colonial waterbirds at TTP. A varied approach will be used including, but not limited to:

- Public meetings
- TRCA website
- Annual Spring Bird Festival (May 10, 2008)
- Development of interpretive signage
- Improving opportunities to view colonial waterbirds, including cormorants using viewing blinds and platforms
- Conducting tours with schools and interest groups
- Presenting information at conferences and forums
- Participation in working groups on colonial waterbirds.

Information signs at strategic locations that request people to refrain from entering the colonial waterbird colonies during the nesting season are already in place to discourage the public from disturbing the bird colonies. Additional interpretive signs will be installed to educate park visitors on colonial waterbirds and their habitats. Researcher disturbance associated with TRCA and partner research programs will be controlled to reduce overall disruption.

Proposed 2008 Strategic Approach

TRCA proposes to utilize a variety of techniques in an integrated adaptive management approach to achieve the goals and objectives for the 2008 strategy. The following matrix (Table 1) outlines the techniques and strategies at specific locations of the site, and helps to provide insight regarding the relationships between the different techniques. Management techniques do not include lethal culling. Egg oiling will not be undertaken for management purposes in 2008, however a research project to assess any impacts of oiling on adult birds is proposed.

The TTP cormorant colony currently occupies three of the four forested peninsulas of the park comprising three cormorant sub-colonies (Figure 1). Peninsulas A and B are considered Cormorant Conservation Zones where cormorant nesting and roosting is encouraged and enhanced. Efforts in 2008 will focus on enhancing ground nesting opportunities for the 2009 season, habitat restoration to delineate and buffer the colonies, providing safe loafing areas for 2008, and promoting research.

Peninsula C is the most recently colonized area and also contains the largest cormorant sub-colony and the largest Black-crowned Night-Heron population at TTP. The 2008 strategic approach on Peninsula C will focus on post-breeding deterrents to reduce stress on the trees, habitat restoration to delineate and buffer the colonies and continued research on raccoon predation on cormorant and night-heron nests. Peninsula D is the only forested peninsula not occupied by colonial waterbird species. Management efforts in 2008 will focus on habitat restoration and on deterring cormorants from nesting and loafing on Peninsula D.

TABLE 1. Strategic Approach Matrix for 2008

Method	Peninsula A	Peninsula B	Peninsula C	Peninsula D
Pre-nesting Deterrents				*
Post-Breeding Deterrents			*	*
Enhanced Ground Nesting	*	*		
Egg Oiling Research		*		
Habitat Restoration	*	*	*	*

Pre-nesting deterrents

A variety of humane deterrence methods that minimize disturbance to other wildlife will be utilized to discourage cormorants from nesting on Peninsula D. The techniques utilized will be employed on an increasing scale of activity, with preference given to the least intrusive means needed. The scale would follow the following order:

- i) Human presence for recreation, research and education purposes
- ii) Active harassment of birds by people
- iii) Predator decoys and scarecrows
- iv) Inactive nest removal
- v) Noise bangers and other auditory techniques.

Increased activity associated with Peninsula D trail improvements, Tommy Thompson Park Bird Research Station activities, and staff presence is favoured over the other techniques. However, if presence alone does not deter nesting activities, deterrence would progress to active techniques including whistling, arm waving, running and shouting. Activity could be increased to carrying three meter poles to move low tree branches, and tap on trees. Poles would not contact any cormorants or nests. If nesting attempts persist, then artificial predators including owls, raccoons, hawks, and scarecrows will be placed in the trees in and near the nesting locations.

If nesting attempts still persist additional sections may be added to the poles, increasing their length and actively used to remove newly placed nesting material. Poles will not be used on nests where eggs are present, or where cormorants refuse to leave the nest, and will not be come into contact with any cormorants. Noise bangers are the least preferred technique for pre-nesting deterrents, however staff believe that noise bangers will not be needed as pre-nesting deterrents in 2008.

After the nesting season has ended and fledgling cormorants are feeding independently, post-breeding deterrents will be employed on the tip of Peninsula C and Peninsula D to reduce the effects of cormorant loafing (or resting) on trees. Deterrents will not be used on Peninsula's A and B. Displaced Cormorants will be encouraged to loaf on the Conservation Zones of Peninsulas A and B. To help achieve this, disturbance to Peninsulas A and B will be minimized and closely monitored by TRCA staff. Since these areas already support cormorant colonies, and field data indicates large loafing areas are currently available, staff believe cormorants will readily use these peninsulas for post-breeding loafing.

A variety of deterrence methods will be utilized that are humane for cormorants and minimize disturbance to other wildlife. The techniques utilized will be employed on an increasing scale of activity, with preference given to the least intrusive means needed. The scale will follow the following order:

- i) Human presence for recreation, research and education purposes
- ii) Active harassment of birds by people
- iii) Predator decoys and scarecrows
- iv) Noise bangers and other auditory techniques.

Human presence is the most favoured technique, however, if presence alone does not deter loafing activities, deterrence would progress to active techniques as stated above in the techniques for pre-nesting deterrents. In all cases deterrents would be humane and minimize the impact to other wildlife.

If loafing still persists, deterrence methods will progress to the use of auditory techniques. Noise bangers are the least preferred technique for post-breeding deterrents and if needed will be used with sparingly and with caution in a consistent manner. Staff will monitor the effectiveness of the auditory techniques, as well as their effects on other species and will discontinue use if undesirable effects are documented.

Enhanced ground nesting

In addition to encouraging post-breeding loafing on Peninsulas A and B, these areas will also receive enhanced ground nesting for the 2009 breeding season. The strategic approach includes enhancement of ground nesting opportunities through the placement of woody nest material, as well as the creation of artificially constructed nesting areas. Further ground nest enhancements may also include the use of cormorant decoys and auditory breeding calls to attract cormorants to the ground nesting area. Predator exclosures may also be created to ensure ground nesting success in certain areas until the establishment of the ground nesting colony. Work will be completed during the fall and winter of 2008 to increase the ground nesting cormorant population in 2009.

Egg oiling

An experimental egg oiling research project will be undertaken by Dr. Gail Fraser from the Faculty of Environmental Studies, York University. The research will be carried out in partnership with TRCA, and with approval of the Ministry of Natural Resources, Canadian Wildlife Service and the York University Animal Care Committee. There are three primary objectives of this study, the first is to examine if egg oiling causes immediate nest desertion by ground nesting cormorants. The second is to examine the effects of oiling on the nesting behaviours of adults. The third is to quantify the impacts of all disturbances, including investigator disturbance, on ground nesting cormorants. An additional objective is to examine the effects of banding adults captured on the nest, on nest attendance and behaviours.

The research project will adopt a conservative approach to limit negative impacts to the Double-crested Cormorant colonies at TTP. Daedol 50 NF mineral oil will be the oiling substance. This oil, approved by the Food and Drug Administration, breaks down quite rapidly, and is the most commonly used oil for the management of cormorants, Ring-billed Gulls, and Canada Geese. A treatment of 30 nests will be oiled, and compared to 30 nests that will be sprayed with water, and to a control group of 30 nests that will not be manipulated in the experiment. Detailed behavioral responses will be documented, quantified, and tracked throughout the breeding season. The research will also include a review of all other projects where oiling has been utilized as a management technique.

Habitat restoration

Habitat restoration activities will occur in areas of the peninsulas that are not currently occupied by colonial nesting waterbirds. The base of the peninsulas, and areas within the peninsulas that are not occupied by colonial birds, will be restored using site appropriate vegetation and soil amendments where necessary. Vegetation quadrats will be planted with a variety of species and monitored to assess the efficacy of the restoration and improve future endeavours. Habitat restoration and enhancement activities will also help delineate the extent of the current cormorant colonies and buffer the colonies from disturbance. Targeted improvements also include the addition of native shrubs along the Embayment B shoreline to encourage Black-crowned Night-Heron nesting. Plantings of willow fascines and appropriate shrubs will occur along portions of the shoreline provide additional shoreline stability. Habitat restoration activities will occur in fall 2008 and early spring 2009, so the bird colonies are not disturbed.

Monitoring, Research, and Reporting

Annual nest census data for cormorants, night-herons and other colonial waterbirds will be undertaken in late May using a combination of staff and volunteers. As in past years, the census will identify the nesting populations of cormorants and other waterbirds, as well as their spatial nesting distribution within the peninsulas at Tommy Thompson Park. Some members of the Advisory Group expressed an interest in observing the annual monitoring program and TRCA staff will facilitate visits to the colony during monitoring activities.

Annual tree health surveys will be undertaken in late August/early September to document changes in the health and condition of nest trees within the three peninsulas at TTP.

A summary report of all components of the strategic approach will be completed and circulated to all regulatory agencies and the advisory group, and will be posted for public review upon completion of the 2008 season. This report will outline all approaches employed in the 2008 season including the methods used, their relative effectiveness, results of the egg oiling research, and the results of the annual monitoring program. This information will provide a basis for the development of the 2009 strategy using an integrated adaptive management approach.

The next meeting of the cormorant advisory group will be held in fall 2008, after the completion of the 2008 summary report. This meeting will provide an opportunity to review the results of the 2008 season and discuss whether any changes are needed for 2009. The public will also be informed and consulted before the 2009 season.

FINANCIAL DETAILS

Funds are available in the Tommy Thompson Park Interim Management account 210-19 and the Tommy Thompson Park Double Crested Cormorant Account 210-25 in the approved 2008 budget.

Report prepared by: Ralph Toning, extension 5366 and Karen McDonald, extension 5248

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For Information contact: Ralph Toning, extension 5366

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Date: May, 2008

Attachments: 1

Attachment 1

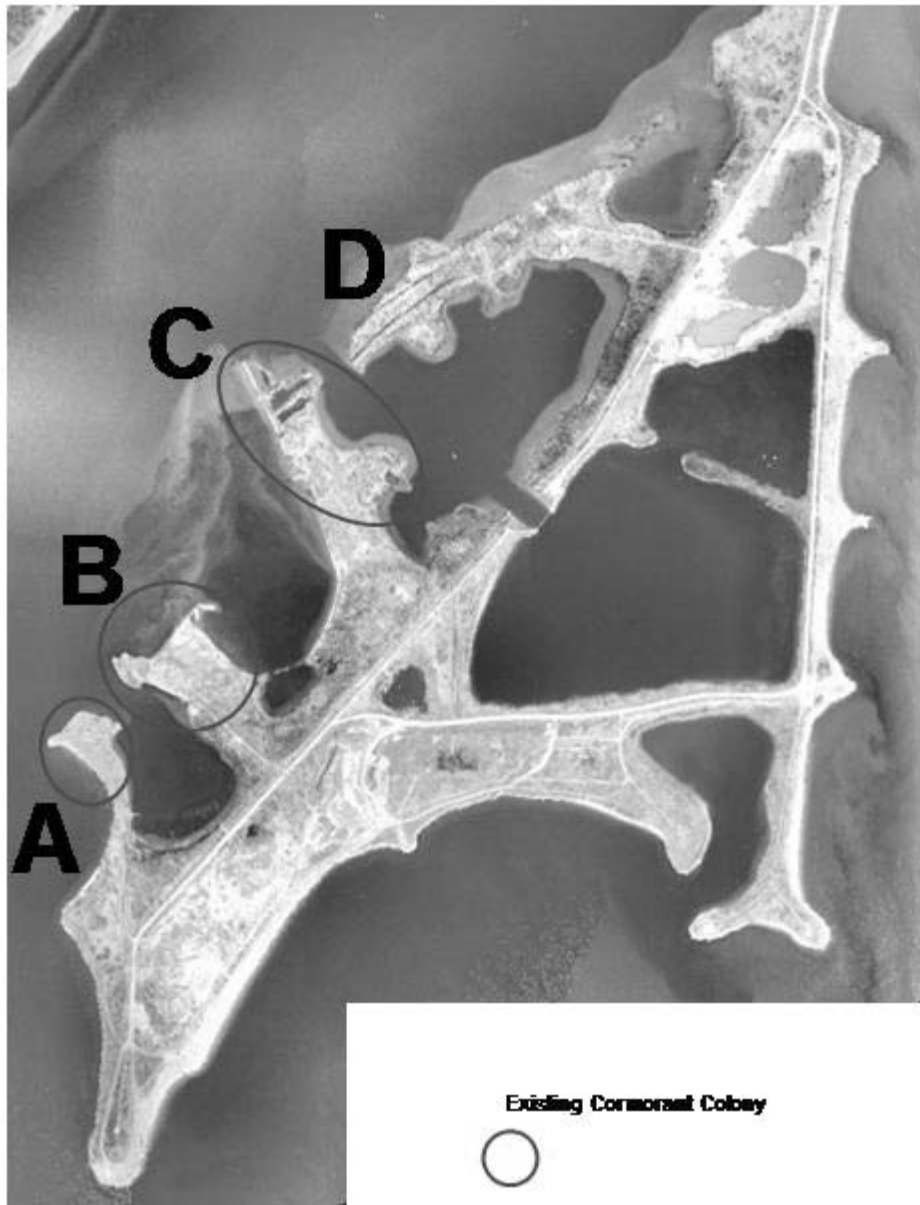


Figure 1. TTP Peninsulas and Cormorant Colonies

TO: Chair and Members of the Authority
Meeting #4/08, May 23, 2008

FROM: Nick Saccone, Director, Restoration Services

RE: **GIBRALTAR POINT EROSION CONTROL PROJECT**

KEY ISSUE

Direction to proceed with detailed design.

RECOMMENDATION

WHEREAS the City of Toronto and Toronto and Region Conservation Authority (TRCA) have recognized the need to restore and protect the Gibraltar Point area of the Toronto Islands;

AND WHEREAS the Class Environmental Assessment for the Gibraltar Point Erosion Control Project is complete;

THEREFORE LET IT BE RESOLVED THAT the preferred solution as determined through the Class Environmental Assessment for the Gibraltar Point Erosion Control Project be endorsed by TRCA;

THAT staff be directed to request additional funding estimated at \$450,000 from the City of Toronto to complete the detailed modeling, analysis and design process (valued at \$500,000);

THAT upon completion of the detailed design process, staff prepare a request for project funding for submission to the City of Toronto to fund implementation, ongoing monitoring, and maintenance of the project as part of the 2010 - 2014 Capital Budget process;

AND FURTHER THAT the City of Toronto staff be so advised.

BACKGROUND

Erosion has been documented at Gibraltar Point since 1879. In 1972, significant storm damage prompted the first of several studies recommending various long-term remedial solutions. Despite these recommendations, no major remedial actions were financially supported. Attempts were made rather to protect the Gibraltar Point shoreline with gabion baskets and rubble. These attempts had short-term success as they failed to address the large-scale coastal processes affecting the site.

A severe storm event in February 2004 caused significant damage to an existing washroom building and associated infrastructure, prompting the City of Toronto to request the assistance of TRCA. Toronto and Region Conservation Authority responded by immediately securing the shoreline adjacent to the washroom with rip rap as a temporary protective measure and then proceeded to seek Authority approval to undertake emergency shoreline protection and design a more long-term solution. At Authority Meeting #6/04, held on June 25, 2004, Resolution #A194/04 was approved as follows:

THAT staff be directed to proceed with the emergency shoreline protection works at Gibraltar Point, Toronto Islands as part of the "City of Toronto Valley and Shoreline Regeneration Project, 2002 - 2006", at a total cost not to exceed \$100,000;

AND FURTHER THAT the Toronto and Region Conservation Authority (TRCA) in conjunction with the City of Toronto commence a design study including required Class Environmental Assessment (Class EA) to develop a more permanent solution to stabilizing the shoreline.

Following the placement of emergency shoreline protection in the immediate vicinity of the washroom building, TRCA initiated the Gibraltar Point Erosion Control Project under the Class Environmental Assessment for Remedial Flood and Erosion Control Projects (2002). As part of the Class Environmental Assessment (Class EA) process, TRCA retained Shoreplan Engineering to complete a coastal analysis to determine the regional processes around Gibraltar Point and assist with the development of alternative long-term solutions to the shoreline erosion. Results of Shoreplan's investigations determined that although erosion and deposition are occurring at various locations between the Western Gap and Gibraltar Point, there is an overall net loss of sand resulting in ongoing shoreline erosion. A comparison of hydrographic survey data shows a lowering of the lakebed in the nearshore area around Gibraltar Point, which is consistent with the undermining and eventual failure of previous local shoreline protection works. Furthermore, Shoreplan's findings indicated that over the next 100 years, a substantial loss of highly valuable recreational and ecological land is projected, ultimately resulting in the breaching of the Islands from Lake Ontario to the Inner Lagoons (see Figure 1). In light of this information, a range of solutions were developed which recognized these processes and the limitations associated with each.

To assist with the evaluation of the alternative options and provide input into the planning and design process, a Community Liaison Committee (CLC) was formed. Composed of technical staff, stakeholders, provincial agency staff, community activists and interested members of the public, the CLC became an integral part of the Class EA process. Through a series of CLC meetings, the range of solutions developed by Shoreplan were considered, ranging from traditional solutions such as breakwaters to more innovative approaches such as sand augmentation. In addition to providing feedback on technical and economic considerations, the members provided great insight into the importance of preserving the adjacent sand dunes, woodlots and beaches. It became evident early in the process that any solution would have to address the need to preserve the entire island landform.

The preferred concept is a sand management plan that recognizes that some level of offshore protection may be required to ensure that the project is technically and economically feasible. The main purposes of the sand management plan are to provide a level of shoreline protection and to maintain the natural dynamic backshore processes that require a continuous supply of sand. Without a sand management plan, the existing dunes and beaches along the western facing shore will eventually degrade.

RATIONALE

The primary focus of the project is to implement a long-term and sustainable solution that halts erosion at Gibraltar Point to protect existing infrastructure. In addition to the washroom building, at risk infrastructure includes the intake lines to the Toronto Island Filtration Plant, and a water main that provides the only potable water supply to the Island Yacht Club and Island Airport, as well as the main supply for fire suppression. Other valued public assets within the affected area include recreational beaches, Gibraltar Centre for the Arts, the historic Gibraltar Point Light House, waterfront green space and unique habitats.

To ensure that the quality of the unique Island dune community and recreational beaches found at Gibraltar Point and Hanlan's Point can be preserved, a sand management plan is necessary. Ongoing placement of sand along the beach and nearshore of Gibraltar Point will manage shoreline erosion, while preserving the dynamic nature of the shoreline. The sand will be moved by wind and wave action towards the Western Gap, feeding the beaches and dunes as it goes. The sand deposited offshore will then be dredged and placed back at Gibraltar Point, allowing the process to continue.

Based on the sediment transport analyses carried out to date it is anticipated that the desired sand supply could be up to 20,000 m³ per year. The majority of that sand will be produced from a backpassing operation, which will involve removing sand from the depositional area (offshore of Hanlan's Point Beach and the Western Gap) and relocating it updrift of Gibraltar Point in the vicinity of Centre Island Beach. It may also be economically feasible to utilize sand generated from local dredging operations that regularly occur, such as at Ashbridge's Bay, Western Gap and Eastern Channel. Any sand that is placed at Gibraltar Point must meet Ministry of Environment (MOE) guidelines for open water disposal.

The detailed design process will determine the annual sand requirements that produce the most efficient design, while achieving the project objective of managing erosion and preserving the dynamic nature of the shoreline. It has been determined that offshore protection will reduce the volume and frequency of sand that is required to be placed updrift of Gibraltar Point (e.g. more protection, less sand) as part of the sand management plan. As such, the detailed design process will utilize a physical model and/or computer model to examine a number of offshore protection options, in conjunction with different volumes of sand supply.

Five possible options for implementing the preferred alternative will be modeled. A typical representation of the offshore protection options that will be explored, is shown in Figure 2. Three of these options will include different breakwater lengths and cross-sections (see Figures 3 and 4) in conjunction with varying levels of sand management. The fourth option will investigate a segmented emergent breakwater with little to no sand management and the fifth option will investigate a sand management plan without offshore protection. The main purpose for considering these options is to test the cost sensitivity of different levels of sand management and to determine the possible environmental affects.

The modeling will also help to determine the exact dimensions and spacing of the breakwaters. An overall length of 930 m for the offshore protection was selected as a reasonable approximation of the longest length likely to be required in order to produce conservative cost estimates. It is possible however, that the modeling could show that a longer length of breakwater may be more effective.

DETAILS OF WORK TO BE DONE

The Environmental Study Report for the Gibraltar Point Erosion Control Project was made available to the public for comment on February 16, 2008, as advertised by TRCA in the Toronto Star. The project was granted approval under the Class EA process, on March 17, 2008. Working in partnership with Toronto Water, TRCA will work to secure the funding required to proceed with the detailed design phase through the City of Toronto.

Pending the approval of funding, TRCA will update site information by undertaking bathymetric surveys, and sediment sampling and calculating morphologic changes. TRCA will then initiate the detailed design process by forming a joint project planning committee with City of Toronto. The project planning committee will involve staff from Ministry of Natural Resources, Fisheries and Oceans Canada, as well as experts to provide advice regarding dune ecology. This committee will help develop a vision for an adaptive management strategy that manages erosion, while preserving the dynamic nature of the shoreline.

Predictive modeling based on current site condition information will then be used to test each shoreline management option to determine which best meets the project objectives. Once the most appropriate shoreline management option is selected, further modeling will be undertaken to refine the concept. Engineered drawings, specifications and cost estimates will be prepared based on these results.

The final component of the adaptive management strategy will include the preparation of a shoreline monitoring plan. As per the adaptive management approach, the monitoring plan will establish methodologies that will be used to evaluate the performance of the implemented components of the shoreline plan and inform future works.

FINANCIAL DETAILS

The cost of the detailed design process is estimated at \$500,000 including a 15% contingency. Included in this cost estimate is \$45,000 to undertake further fieldwork and site analysis, \$400,000 to complete physical and numerical modeling, and \$55,000 for design drawings and specifications, reporting, and project management. Funding in the order of \$50,000 is available through the City of Toronto Valley and Shoreline Regeneration Project for 2008 and will be administered under Account No. 151-01. This funding will enable TRCA to undertake the fieldwork component of the detailed design process in 2008. An additional \$450,000 in funding will be required to complete the adaptive management strategy, modeling, detailed designs and specifications.

The modeling that will be undertaken during the detailed design process will examine a number of offshore protection options, in conjunction with different levels of sand management to determine the most sustainable solution to the erosion problem. Current project estimates indicate that the up-front implementation costs to construct offshore protection could range from \$4.7 million to \$15.1 million, while the annual operating cost to fund the sand management component of the project could be in the range of \$115,000 to \$575,000. These estimates include contingency and are based on 2008 construction rates.

As per the adaptive management approach, implementation of the shoreline plan will occur incrementally in response to the results of the ongoing monitoring plan. The first phase of implementation is expected to involve major in water works that would be completed over a period of two to three years, commencing as early as 2010. This work would be followed by a period of ongoing monitoring and analysis. Future phases of work would be undertaken based on the monitoring results.

Following completion of the detailed design process, TRCA staff will prepare a detailed estimate of the cost to implement, maintain and monitor the project based on a five-year timeframe. This information will form the basis of a request for special project funding from the City of Toronto. TRCA will also explore other funding opportunities, including a potential partnership with the Province of Ontario to implement the project.

Report prepared by: Laura Stephenson, extension 5296

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Date: March 12, 2008

Attachments: 1

Attachment 1

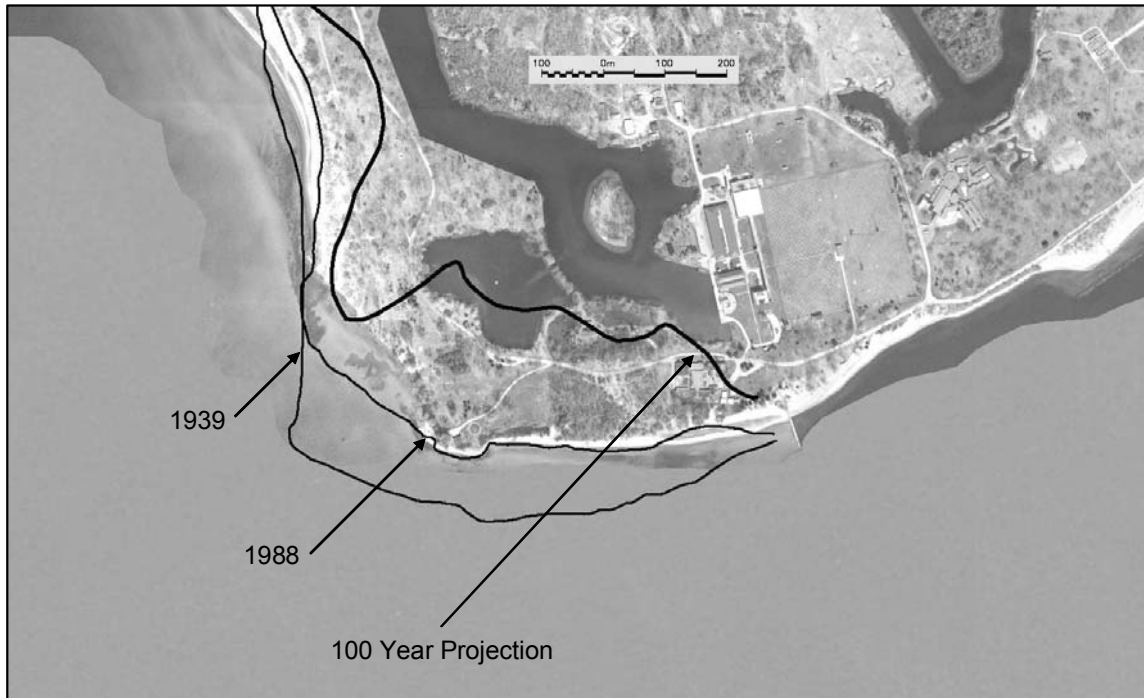


Figure 1 Prediction of shoreline recession after 100 years, based on recession rates between 1939 and 1988. *Source: Shoreplan Engineering Limited, Community Dec. 2004.*

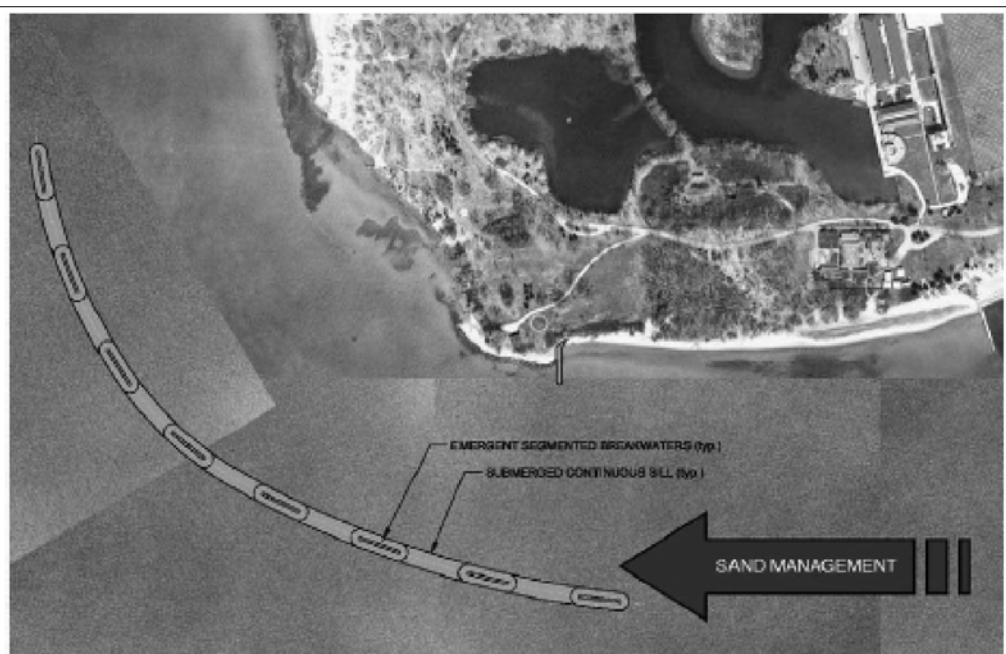


Figure 2. Representation of the offshore protection to be explored during the detailed design process, showing emergent breakwaters connected by an underwater sill in plan view. *Source: Shoreplan Engineering Limited, 2007.*

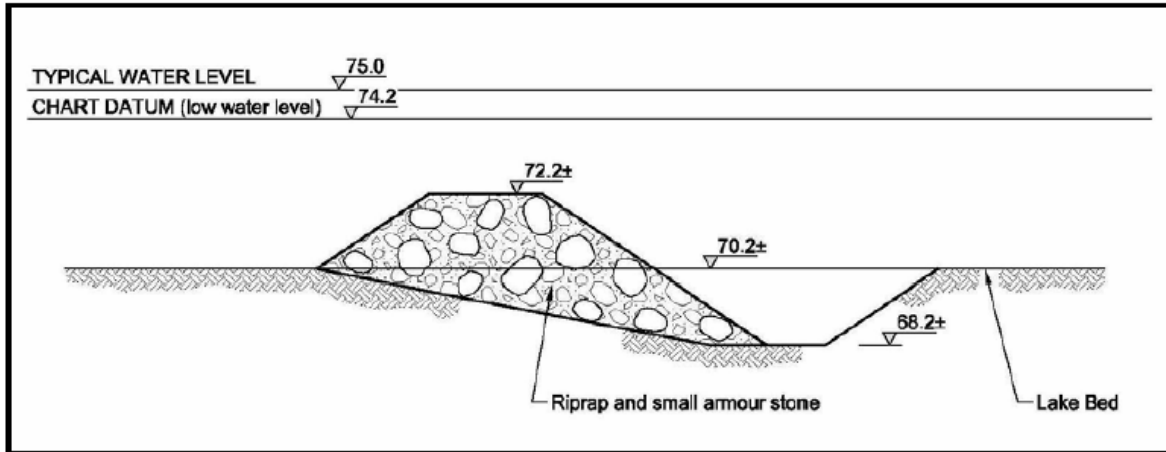


Figure 3. Typical sill cross-section. *Source: Shoreplan Engineering Limited, 2007.*

Figure 3 shows a typical cross-section for the sill. It has a maximum crest elevation of 2 m below chart datum so that it does not interfere with small craft navigation. The lakeward toe of the sill would be constructed down to a depth of 6 m below chart datum to allow for future downcutting of the lakebed profile as previously discussed. It is anticipated that the toe area would be excavated with a hydraulic dredge. Toe excavation and sill stone placement would occur in tandem with the stone placement following closely behind the dredging. This would allow the toe trench to be artificially backfilled with dredged sand rather than native sand from the lakebed in front of the sill. The landward toe of the sill would be constructed on the existing lakebed. The sill consists of randomly placed rip rap and small armourstone.

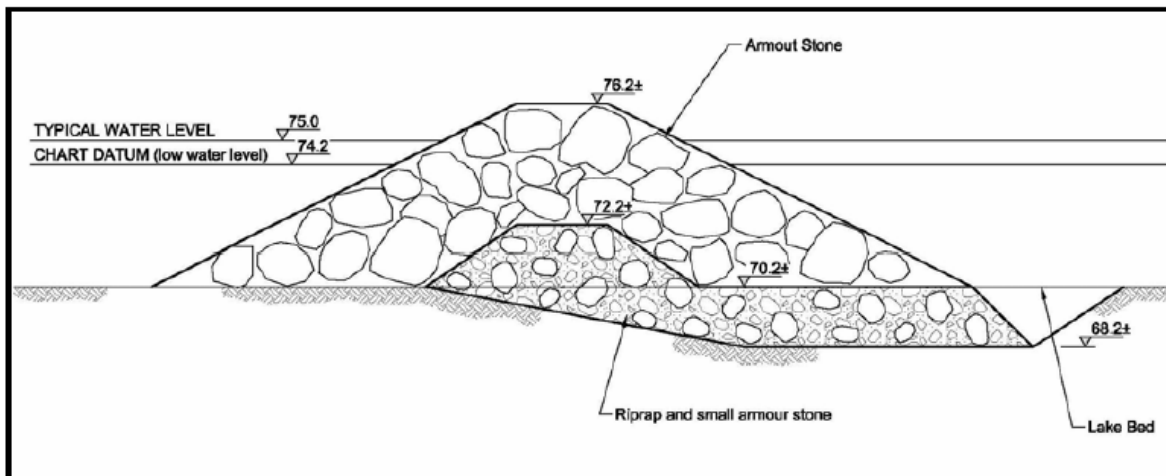


Figure 4. Typical breakwater cross-section. *Source: Shoreplan Engineering Limited, 2007.*

Figure 4 shows a typical breakwater cross-section. The breakwaters would be constructed by placing armourstone on top of a modified sill cross-section. The sill cross-section is modified by extending the toe approximately 8 m lakeward to provide a stable base for the armour. The crest of the breakwater is about 2 m above chart datum, which is above the 100-year water level described previously.

Item 7.4

TO: Chair and Members of the Authority
Meeting #4/08, May 23, 2008

FROM: James W. Dillane, Director, Finance and Business Services

RE: **GREENLANDS ACQUISITION PROJECT FOR 2006-2010**
Guildwood Parkway Erosion Control Project

KEY ISSUE

Amendment to Authority Resolution #A178/07 relating to the acquisition of property rights on the Lake Ontario shoreline, City of Toronto, in the Scarborough Community Council Area, to facilitate the construction of Guildwood Parkway Erosion Control Project.

RECOMMENDATION

THAT the Parcel 'D' section of Authority Resolution #A178/07, approved at Authority Meeting #7/07, held on September 28, 2007, be amended to read as follows:

Parcel 'D'

THAT TRCA acquire a temporary working easement for access on the southerly 10 metres of lands owned by Le Chau Ly being Part of Lot 7, Registered Plan 2413, City of Toronto (formerly City of Scarborough) and municipal known as 483 Guildwood Parkway;

THAT the term of the temporary easement be 18 months commencing October 1, 2007;

THAT the rent be \$15,000 plus vendor's legal fees.

BACKGROUND

At Authority Meeting #7/07, held on September 28, 2007, Resolution #A178/07 was approved as follows:

THAT the Toronto and Region Conservation Authority (TRCA) acquire the following property rights to facilitate the construction of the Guildwood Parkway Erosion Control Project:

Parcel 'A'

THAT TRCA acquire a temporary working easement for access on the southerly 10 metres of lands owned by Lois Code being Part of Lot 4, Registered Plan 2413, City of Toronto (formerly City of Scarborough) and municipal known as 469 Guildwood Parkway;

THAT the term of the temporary easement be 18 months commencing October 1, 2007;

THAT the rent be \$15,000 plus \$1,000 on account of the vendor's legal fees.

Parcel 'B'

THAT TRCA acquire a temporary working easement for access on the southerly 10 metres of lands owned by Roy and Denise Wright being Part of Lot 5, Registered Plan 2413, City of Toronto (formerly City of Scarborough) and municipal known as 471 Guildwood Parkway;

THAT the term of the temporary easement be 18 months commencing October 1, 2007;

THAT the rent be \$15,000 plus \$1,000 on account of the vendor's legal fees.

Parcel 'C'

THAT a parcel of land containing 0.049 hectares (0.121 acres) being Part of Lot 6, Registered Plan 2413, designated as Part 8 on Plan 64R-11988, City of Toronto (formerly City of Scarborough) and municipal known as 477 Guildwood Parkway be purchased from Linda Ambos;

THAT the purchase price be \$2.00 plus vendor's reasonable legal costs.

Parcel 'D'

THAT an easement for access containing 0.033 hectares (0.082 acres) being Part of Lot 7, Registered Plan 2413, designated as Part 2 on Plan 64R-11988, City of Toronto (formerly City of Scarborough) and municipal known as 483 Guildwood Parkway be purchased from Le Chau LY;

THAT the purchase price be \$2.00 plus vendor's reasonable legal costs.

THAT TRCA receive conveyance of the land free from encumbrance, subject to existing service easements;

THAT the firm of Gardiner Roberts LLP, Barristers & Solicitors, be instructed to complete the transactions at the earliest possible date. All reasonable expenses incurred incidental to the closing for land transfer tax, legal costs and disbursements are to be paid;

AND FURTHER THAT the appropriate TRCA officials be authorized and directed to execute all necessary documentation required.

The Guildwood Parkway Erosion Control Project was originally developed in 1987 to provide protection for twenty-three (23) residential dwellings along the Scarborough Bluffs. Due to unresolved property issues, protective works were not completed along the entire length of the Guildwood Parkway sector. Currently, 600 metres (m) of the most westerly portion of the Guildwood Parkway sector is provided with shoreline protection in the form of an armourstone revetment, constructed as part of the original Guildwood Parkway Erosion Control Project.

Phase 2 of the project was initiated in 2004 to complete shoreline stabilization and erosion control works for the remaining nine (9) properties not protected in the first phase. The proposed remedial works will provide protection for 170 m of shoreline, from the end of the existing revetment to below 483 Guildwood Parkway, just west of Morningside Avenue.

At the time the original report and recommendation was prepared for Authority Meeting #7/07 on September 28, 2007, it appeared that the owner of 483 Guildwood, Mr. Ly, was willing to provide access at nominal consideration. After the agreements for temporary access were finalized with the owners of 469 and 471 Guildwood Parkway, Mr. Ly indicated that he was not willing to provide access to his property for \$2.00. After extensive negotiations, Mr. Ly has agreed to the same arrangement as the owners of 469 and 471 Guildwood Parkway.

RATIONALE

The subject property is required for the construction of the Guildwood Parkway Erosion Control Project.

FINANCIAL DETAILS

Funds for the costs related to this purchase are available in the Guildwood Parkway Erosion Control Project, through the City of Toronto capital budget.

Report prepared by: Mike Fenning, extension 5223

Email: mfenning@trca.on.ca

For Information contact: Mike Fenning, extension 5223 or Ron Dewell, extension 5245

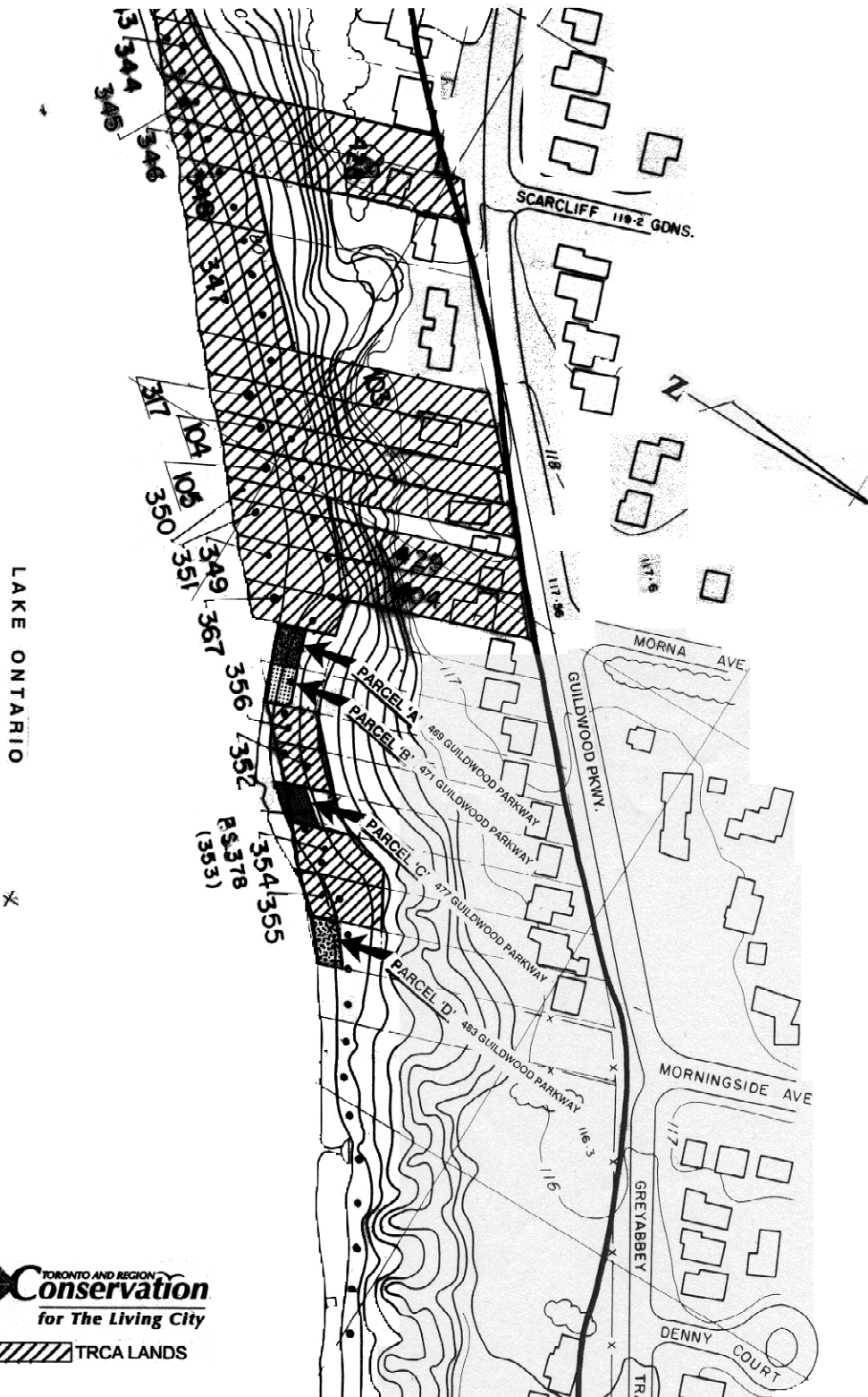
Emails: mfenning@trca.on.ca or rdewell@trca.on.ca

Date: May 13, 2008

Attachments: 1

Attachment 1

GREENLANDS ACQUISITION PROJECT FOR 2006-2010 Guildwood Parkway Erosion Control Project



TORONTO AND REGION
Conservation
 for The Living City
 TRCA LANDS

Item 7.5

TO: Chair and Members of the Authority
Meeting #4/08, May 23, 2008

FROM: James W. Dillane, Director, Finance and Business Services

RE: **REQUEST TO LEASE TRCA-OWNED LAND**
ICL Management Inc.
City of Pickering
CFN 40583

KEY ISSUE

Proposal to lease approximately 0.08 hectares (0.2 acre) of Toronto and Region Conservation Authority-owned land located on the east and west sides of 509 Bella Vista Drive, City of Pickering, for a 5 year period for landscaping purposes.

RECOMMENDATION

WHEREAS the Toronto and Region Conservation Authority (TRCA) is in receipt of a request from ICL Management Inc. to enter into a lease arrangement for lands located on the east and west sides of 509 Bella Vista Drive, City of Pickering;

WHEREAS it is in the opinion of TRCA that it is in the best interests of TRCA in furthering its objectives, as set out in Section 20 of the Conservation Authorities Act, to cooperate with ICL Management Inc. in this instance;

THEREFORE LET IT BE RESOLVED THAT TRCA enter into a lease of approximately 0.08 hectares (0.2 acres), more or less, of land with ICL Management Inc. for landscaping purposes, said land being Part of Lots 24, 26 and 27, Registered Plan 233, City of Pickering, Regional Municipality of Durham;

THAT the lease arrangement with ICL Management Inc. be premised on the following:

- (i) the term of the lease will be 5 years with one 5 year renewal subject to the approval of TRCA;
- (ii) the rental rate is to be \$1,000 for the 5 year period payable in advance;
- (iii) ICL Management Inc. shall be solely responsible for all costs associated with the installation, maintenance and repair of the landscaping;
- (iv) ICL Management Inc. shall be solely responsible for payment of all realty taxes levied against the property;
- (v) any other terms and conditions deemed appropriate by TRCA's solicitor.

AND FURTHER THAT the appropriate TRCA officials be authorized and directed to take whatever action may be required to give effect thereto, including the obtaining of necessary approvals and the execution of any documents.

BACKGROUND

TRCA is in receipt of a request from the owner of 509 Bella Vista Drive to lease a small parcel of TRCA-owned land located on the west and east sides of his property to use for landscaping purposes. The landscaping will consist of trees and shrubs. ICL Management Inc. will be responsible for the installation and maintenance of the landscaping work. The landscape plan has been prepared to the satisfaction of TRCA staff.

The following are the key terms of the proposed lease arrangement:

1. Lease Payment: \$1,000 payable in advance.
2. Term: 5 years.
3. Renewals: one 5 year renewal subject to the approval of TRCA.
4. Insurance: ICL Management Inc. will provide liability insurance with \$2,000,000 coverage per occurrence and TRCA is to be shown as a named insured.
5. Realty Taxes: ICL Management Inc. will pay all taxes levied against the property.

RATIONALE

The fragmented public ownership along this reach of valley limits public use opportunities and makes management of these TRCA lands difficult. Staff feel this is an opportunity to partner with an adjacent owner to have TRCA lands restored and managed at no cost.

FINANCIAL DETAILS

The \$1,000 in revenues generated from this lease will be used for TRCA purposes.

Report prepared by: Mike Fenning, extension 5223

Email: mfenning@trca.on.ca

For Information contact: Mike Fenning, extension 5223 or Ron Dewell, extension 5245

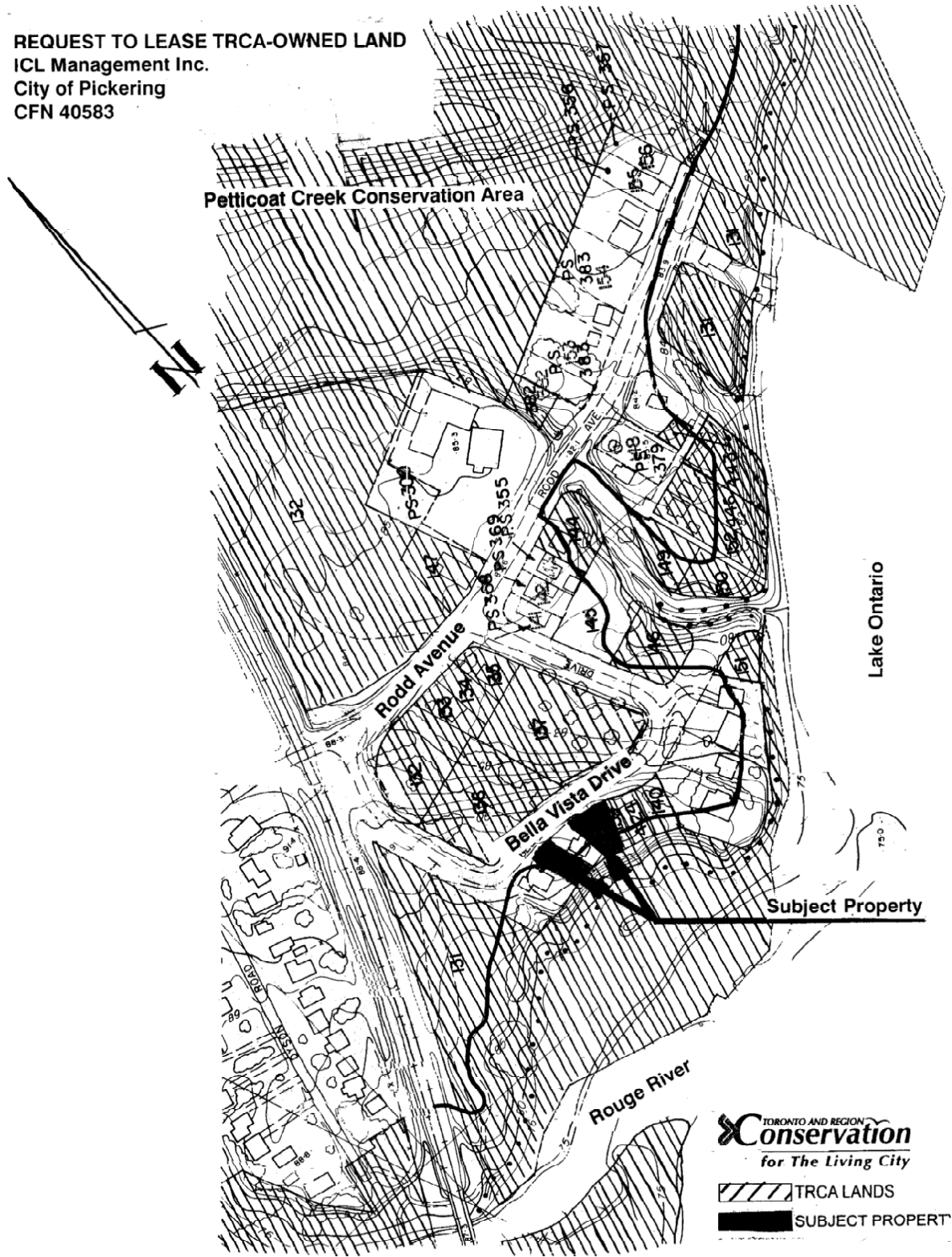
Emails: mfenning@trca.on.ca or rdewell@trca.on.ca

Date: May 13, 2008

Attachments: 1

Attachment 1

REQUEST TO LEASE TRCA-OWNED LAND
ICL Management Inc.
City of Pickering
CFN 40583



TO: Chair and Members of the Authority
Meeting #4/08, May 23, 2008

FROM: Deborah Martin-Downs, Director, Ecology

RE: **CANADIAN WATER RESOURCES ASSOCIATION**

KEY ISSUE

Role of Sonya Meek as National President, Canadian Water Resources Association (CWRA) and potential opportunities for advancement of Toronto and Region Conservation Authority interests through CWRA activities.

RECOMMENDATION

WHEREAS the Canadian Water Resources Association (CWRA) is a non-profit, professional organization promoting effective water management that shares many common interests and objectives with Toronto and Region Conservation Authority (TRCA);

WHEREAS TRCA employee Sonya Meek has been serving as CWRA National President since June, 2007;

THEREFORE LET IT BE RESOLVED THAT the Authority continue to support Sonya Meek's participation on the National Executive of the Canadian Water Resources Association;

AND FURTHER THAT staff explore further opportunities to work with CWRA to advance initiatives of mutual interest.

BACKGROUND

CWRA was established over 50 years ago as a non-government, non-profit organization. It now has over 1,400 water management professionals from the private, public and academic sectors across Canada. CWRA promotes 'effective water management' through initiatives that promote awareness and understanding of Canada's water resources. It also provides forums for the exchange of information and opinions relating to water management. CWRA services include the quarterly publication of the *Canadian Water Resources Journal* and *Water News* newsletter, conferences, workshops, position papers, study reports, scholarships, awards, Canadian delivery of Project Water Education for Teachers (Project WET) and various provincial branch activities. The organization is administered by a part-time paid Executive Director and a membership services office who report to a national board of directors.

Sonya Meek, Manager, Watershed Planning at TRCA, was elected to the position of CWRA National President in June, 2007 for the first of a possible two year term. Ms. Meek previously served on the CWRA Ontario Branch Executive and as a Director on the national board for over 10 years. Ms. Meek will stand for re-election as National President for a second one year term in June, 2008. The President's role generally involves guiding and supervising the activities of the organization, board, committees, officers and staff.

TRCA benefits from Ms. Meek's involvement in CWRA in a variety of ways, such as national and international profile for TRCA; networking opportunities afforded through contact with national and international experts in water management and senior federal and provincial government officials; opportunity to advance TRCA objectives; and professional development opportunities for Ms. Meek. Some examples of past CWRA benefits to TRCA include:

- TRCA's Sustainable Technologies Evaluation Program (STEP) was designed with input from a CWRA Ontario Branch hosted workshop in 2002;
- Ms. Meek was influential in establishing a 'sustainability' theme and securing Toronto as the location for the 2006 CWRA national conference, which profiled several papers on TRCA watershed planning initiatives;
- TRCA's The Living City Strategy was showcased in a CWRA commissioned paper evaluating the state of sustainable water management in Canada (2006);
- A presentation on the Rouge watershed planning study has been invited to be part of the CWRA Quebec Branch/National Directors urban streams workshop in February, 2008 in Quebec City, the Integrated Watershed Management workshop in May, 2008 in Toronto and the CWRA Nova Scotia Branch water resources symposium in August, 2008 in Halifax;
- Ms. Meek has been invited to facilitate CWRA participation in workshops and comment on a variety of discussion papers on national and provincial water management issues. This has provided exposure to a breadth of water initiatives and opportunity to influence their strategic directions (e.g. Gordon Water Group's Blueprint for Federal Action on Water, Premier McGuinty's Climate Change Adaptation Summit, Environment Canada's proposal for water availability indicators for Canada and the Pembina Institute's water valuation study for the Canadian Committee of Ministers of the Environment).

Several of CWRA's ongoing initiatives may provide further benefits or partnership opportunities for TRCA:

Promotion of a Canadian National Water Strategy:

The need for a national water strategy is increasingly being recognized by CWRA and other groups across Canada as a means of guiding consistent and coordinated approaches to manage current and emerging threats to Canada's water. CWRA has recommended a procedure for the effective development and implementation of a Canadian National Water Strategy. Analogous to the principles for successful watershed management, CWRA believes the approach should involve participation of all stakeholders, foster endorsement of common goals and objectives while recognizing regional diversity, contain specific implementation plans for priority actions and ensure a mechanism for regular review of progress. There will be a role for TRCA participation in this significant effort, which can provide an opportunity to advance TRCA's interests for action on climate change. Climate change is proving to be a common threat to water management in many regions of Canada and is likely to be a central driver for the development of a Canadian National Water Strategy.

Expanded ability for training partnerships:

CWRA has recently introduced on-line registration services through its membership services office. The availability of this tool could assist TRCA in its interests in delivering an expanded annual program of training workshops and seminars.

Skilled Newcomers Partnership Projects:

CWRA is developing mentorship and other programs aimed at improving involvement of new Canadian water resource professionals in the industry. These programs will facilitate networking among resident water management practitioners and newcomers to Canada. CWRA's mentorship and new Canadian programs were inspired by TRCA's leadership in these areas and may in turn provide TRCA with access to a broadened national network of resources.

Collaboration with Engineers without Borders (EWB):

As CWRA's contribution to the United Nations' Millennium Development Goals for Water, CWRA is exploring a unique partnership whereby it would raise funds to support an EWB volunteer for one year's work on water supply/sanitation projects in Africa. Exchange of information about water management practices is a related goal of this initiative. This may provide an opportunity for TRCA staff to 'give back' and learn of water management issues in a developing nation.

Ms. Meek will continue to share knowledge learned through her participation in CWRA with relevant colleagues at TRCA and will explore additional opportunities for TRCA/CWRA partnerships.

FINANCIAL DETAILS

Prior to Ms. Meek's election to the CWRA National Executive, her previous CWRA involvement was largely completed on her personal time and expense. TRCA has supported her role as National President for the past year up to one day per week of time and approximately \$2,500 per year in expenses. TRCA will continue to support her at this level should she be re-elected to serve a second one-year term. These expenses are associated with travel, accommodation and registration at the annual general meeting (and concurrent national conference) and midterm national directors meeting. Costs vary depending on the Canadian location of those meetings. Often these meetings are associated with technical conferences and workshops, which are of added benefit to her role at TRCA.

After her term as President, Ms. Meek is expected to serve in the capacity of Past President on the Executive Committee for two years. Although her time commitment will be reduced, TRCA will continue to support her annual expenses of approximately \$2,500 per year.

Funds to support these expenses are derived 50% from operating (administration budget for Ecology Division) and 50% from capital watershed planning related projects (in recognition of the profile and technical information exchange CWRA involvement brings to this program).

For Information on CWRA activities contact: Sonya Meek, extension 5253

Email: smeek@trca.on.ca

Date: May 9, 2008

TO: Chair and Members of the Authority
Meeting #4/08, May 23, 2008

FROM: Carolyn Woodland, Director, Planning and Development

RE: **URBAN GROWTH CENTRES IN THE GREATER GOLDEN HORSESHOE**
Proposed Size and Location

KEY ISSUE

Providing comments to the Ministry of Public Infrastructure Renewal and other ministries.

RECOMMENDATION

THAT the Toronto and Region Conservation Authority (TRCA) commend the Province of Ontario for recognizing and stating that public open spaces such as parks, natural features, natural systems and their linkages are key elements of complete communities envisioned in the Growth Plan for the Greater Golden Horseshoe;

THAT TRCA request the Ministry of Public Infrastructure Renewal to amend their draft technical paper titled "Proposed Size and Location of Urban Growth Centres in the Greater Golden Horseshoe" to address the following issues and recommendations:

THAT growing use and degradation of natural systems from increased population densities and intensification be mitigated by incorporating appropriate open space elements and natural heritage system enhancements into Urban Growth Centres (UGC) to achieve net environmental gains;

THAT a new guiding principle be added to the UGC technical paper directing that no increase in the level of flood risk due to intensification will be permitted in Special Policy Areas (SPAs) and that existing hazards will be mitigated to the extent possible based on comprehensive studies;

THAT the conflict resolution provision from the Places to Grow Act/Growth Plan stating that the policies of the Growth Plan or Provincial Policy Statement that provide more protection to the natural environment or human health prevail, be added as a disclaimer to all UGC maps;

THAT for UGCs that contain flooding hazards, it be added that the finalization of boundaries is premature until comprehensive flood risk assessment plans have been completed;

THAT all UGC boundaries remain flexible until strategic studies have been undertaken to ensure that required densities can be implemented in a sustainable manner addressing natural heritage enhancements, water, energy and cultural heritage conservation, air quality, waste management and other locally identified constraints and opportunities unique to individual UGCs;

THAT the Ministry of Public Infrastructure Renewal (MPIR) work with municipalities to assist in funding the recommended studies and infrastructure remediation projects to mitigate existing flood hazards and constraints necessary to achieve public safety as intensification of UGCs occurs;

THAT this report be sent to the Ontario Growth Secretariat, MPIR, as TRCA's response to the request for comments;

AND FURTHER THAT TRCA's member municipalities, Conservation Ontario, conservation authorities within the Greater Golden Horseshoe, and the Ministries of Natural Resources and Municipal Affairs and Housing receive a copy of the report sent to MPIR.

BACKGROUND

TRCA has provided comments to the Province on an ongoing basis during the development of the Growth Plan for the Greater Golden Horseshoe (hereafter 'the Growth Plan'). Reports were brought to the various Authority meetings for approval in September, 2004, April, 2005, January, 2006 and September, 2006. In General, these comments have been in support of the Growth Plan as a means of aspiring to meet the objectives of The Living City objective for Sustainable Communities. Specifically, TRCA has also commented on the need to address and mitigate flood hazards and to ensure local natural heritage systems are protected and enhanced to cope with the increasing use pressures resulting from intensification within the existing urban boundary. This report expands on those previous comments by providing recommendations specific to the proposed size and locations of the ten Urban Growth Centres (UGCs) within TRCA watersheds. The UGCs in the TRCA watersheds as outlined in Attachment 1 include: Downtown Brampton; Markham Centre; Downtown Pickering; Richmond Hill/Langstaff Gateway; Toronto: Downtown; Toronto: Etobicoke City Centre; Toronto: North York Centre; Toronto: Scarborough Centre; Toronto: Yonge-Eglinton Centre; and, Vaughan Corporate Centre.

The current technical paper prepared by the Ontario Growth Secretariat (OGS) and MPIR is titled *Proposed Size and Location of Urban Growth Centres in the Greater Golden Horseshoe*. It contains background information about the Growth Plan, including the rationale and approved policies for intensification as well as new guiding principles for UGCs and maps depicting the proposed size and locations of the UGCs.

RATIONALE

Natural Heritage

A sidebar in *Proposed Size and Location of Urban Growth Centres in the Greater Golden Horseshoe* states that public open spaces such as parks, natural features, natural systems and their linkages are key elements of complete communities envisioned in the Growth Plan. TRCA has previously made this comment to the Province in respect of the multiple benefits provided by natural systems such as maintaining biodiversity, enhancing air quality and human health, providing recreational and educational opportunities, aesthetics and the attenuation of stormwater impacts and urban heat island effects. TRCA commends the Province for recognizing in this document the importance of natural systems to the urban realm.

Intensification of both jobs and residents in the UGCs will lead to increased use of available open space and the potential for overuse and degradation of valleyland parks and natural areas. Opportunities to enhance and increase natural cover and open spaces must also be pursued in planning for redevelopment and/or intensification. Examples of this are currently occurring in at least two UGCs: the Toronto: Downtown UGC is reducing flooding hazards in the lower Don River through landform construction and redevelopment, remediating contaminated soils, creating new public open spaces and re-naturalizing local portions of the river; the Toronto: Scarborough Centre UGC is proposing to reduce flooding hazards by opening up undersized culverts to pass peak flows and remediating adjacent lands to create new parkland, trails and re-naturalization of a parking lot. TRCA recommends that the rising use pressures on natural systems from increasing population and intensification in UGCs be recognized and that opportunities be sought to incorporate appropriate open space elements and natural heritage system enhancements. This would not only achieve net environmental gains but would also help to meet the expanded demand for greenspace by the population influx.

Natural Hazards

Several UGCs, including Downtown Brampton, Markham Centre, Vaughan Corporate Centre, Toronto: Etobicoke City Centre and Richmond Hill/Langstaff Gateway have flood plains within portions of their proposed boundaries. With the exception of the Downtown Brampton UGC, which is designated a Special Policy Area under Section 3.1.3 of the Provincial Policy Statement, these flood vulnerable areas have not been acknowledged. Senior TRCA staff has been holding ongoing meetings with staff of the ministries of Municipal Affairs and Housing (MMAH), Natural Resources (MNR) and Public Infrastructure Renewal over the past year to discuss how flood risks can be addressed in SPA's and hazards mitigated to permit intensification while protecting public health and safety. The UGC technical paper and accompanying maps make only limited and vague reference to the flood hazard risks in the UGCs and do not provide the necessary guidance or notice of the issues that need to be addressed during redevelopment or intensification in the affected UGCs. More specific direction regarding these risks, hazards and their remediation needs to be provided in the documents. Specifically, TRCA recommends that a new 'guiding principle' for the UGCs be added in the technical paper to direct that no increases in the level of flood risk due to intensification will be permitted and that existing hazards be mitigated as much as possible during the redevelopment and/or intensification process.

The Places to Grow Act and the Growth Plan both contain a conflict resolution provision which states that if there is a conflict between the policies of the Growth Plan and the Provincial Policy Statement (PPS), that the policies that provide more protection to the natural environment or human health prevail. This clause is important to counter the argument that has been advanced by some developers and municipalities that the Growth Plan requires intensification at any cost, and overrides any other policies of the PPS. Section 3.0 of the PPS clearly states the provincial interest in protecting public health and safety from unacceptable risks from natural hazards. TRCA recommends that the conflict resolution provision from the Places to Grow Act and the Growth Plan be added to the mapping for the affected UGCs identified above.

Recommended Studies

As noted above, a number of the UGCs within TRCA watersheds contain portions of flood plain within their proposed boundaries. Also noted are the success stories of some UGCs that have already begun a comprehensive planning and analysis that resulted in alleviating flood risks and enhancing the natural environment and social amenities in conjunction with redevelopment and intensification projects. Similar comprehensive analysis and planning should be carried out for the remaining 'at risk' UGCs prior to the boundaries being finalized. This should be done in order to ensure the UGC is of sufficient size and appropriate location to accommodate the required growth and intensification, does not propose intensification in a flood plain (which is contrary to the PPS) and enhances the natural system and open space to create a net environmental gain.

Additionally, the Growth Plan also requires municipal policies and strategies to support a culture of conservation, including water, energy and cultural heritage conservation as well as air quality protection through reduced emissions and ensuring enhanced and integrated waste management systems. In this regard, the proposed boundaries and locations for the UGCs should maintain a degree of flexibility in order to respond to the results of comprehensive strategic planning studies for these areas. In order to implement the strategic vision of the Province for the UGCs of the Greater Golden Horseshoe, the Province should commit to assist in funding these strategic UGC studies prior to the boundaries being finalized. TRCA therefore recommends that finalization of boundaries for the identified UGCs is premature until strategic planning studies, including comprehensive flood risk assessment plans, have been completed. In this way the required densities and intensification can be implemented in a sustainable manner that addresses natural heritage, water, energy and cultural heritage conservation, air quality, waste management and other locally identified constraints and opportunities unique to individual UGCs. This will result in the creation of 'complete communities' as advocated in the Growth Plan for the Greater Golden Horseshoe.

Report prepared by: David Burnett, extension 5361

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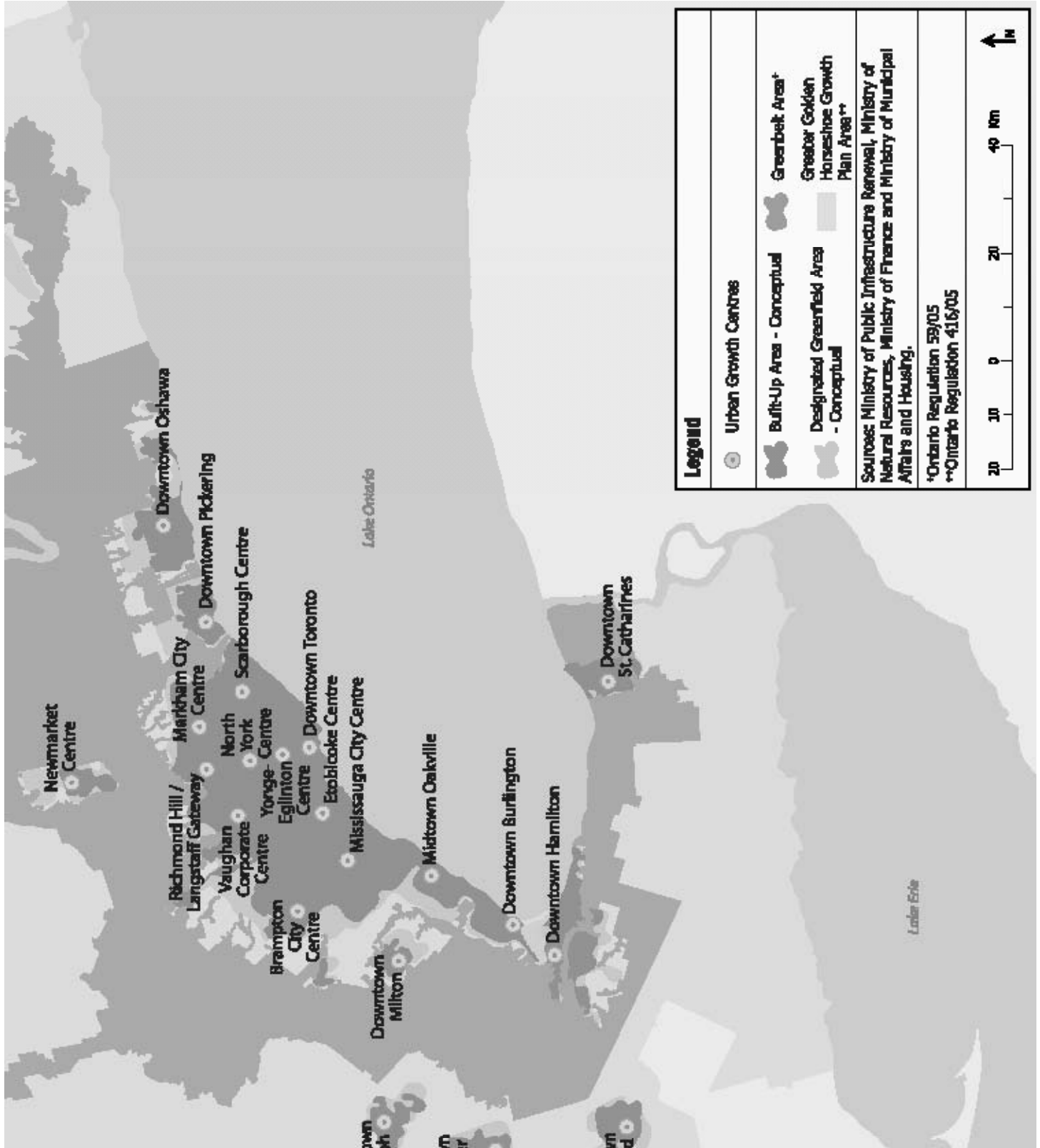
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Date: May 02, 2008

Attachments: 1

Urban Growth Centres: Ontario Places to Grow
Proposed Growth Plan: November, 2005



Item 7.8

TO: Chair and Members of the Authority
Meeting #4/08, May 23, 2008

FROM: Derek Edwards, Director, Parks and Culture

RE: **ACCESSIBILITY GUIDELINES**

KEY ISSUE

The development of Accessibility Guidelines for Toronto and Region Conservation Authority.

RECOMMENDATION

THAT Toronto and Region Conservation Authority (TRCA) develop and implement Accessibility Guidelines for all new and existing public use facilities, policies, practices and methods of public communications;

THAT a current state accessibility audit of TRCA public use facilities, policies, practices and methods of public communications be conducted;

THAT TRCA modify existing public use facilities, policies, practices and methods of communications to become more accessible;

THAT an accessibility committee be established with at least fifty percent (50%) of committee members being persons with a disability, to review current state and make recommendations regarding accessibility of TRCA public use facilities, policies, practices and methods of public communication;

THAT a three year accessibility action plan be developed and reviewed annually;

AND FURTHER THAT partnerships be sought to assist in the implementation of accessibility action plans.

BACKGROUND

Ontarians with Disabilities Act, 2001 (ODA) requires that the Government of Ontario, municipalities, public transportation organizations, school boards, hospitals, colleges and universities identify, prevent and remove barriers to people with disabilities. Furthermore, the Ontarians with Disabilities Act, 2001 mandates the development of annual accessibility plans for these organizations.

The focus of Accessibility for Ontarians with Disabilities Act , 2005 (AODA) is to develop, implement and enforce accessibility standards in order to achieve accessibility for Ontarians with disabilities with respect to goods, services, facilities, accommodation, employment, buildings, structures and premises by 2025 and provide involvement of persons with disabilities in the development of accessibility guidelines. As a result of the Accessibility for Ontarians with Disabilities Act, the Accessibility Standards for Customer Service, Ontario Regulation 429/07 has recently been legislated. Ontario Regulation 429/07 establishes accessibility standards for the customer service industry and it applies to organizations that provide goods or services to the public, effective 2010 or 2012. Additionally, under Ontario Regulation 429/07 organizations are legislated to develop accessibility policies, practices and procedures, including training. Furthermore, additional legislation and increased expectations from the Ontario Human Rights Commission in regards to accessibility is anticipated in the near future.

Many individuals, as they age, experience gradual declining powers of vision, hearing, mobility, strength and mental capabilities. An older person may be less able to climb steps, read small print, hear high frequencies, exert themselves physically and remember information. Due to the aging population, it has been estimated that by 2020, twenty percent (20%) of the population of Ontario will have a disability, of this, sixty percent (60%) of disabilities are physical, however mental disorders are anticipated to become a leading cause of disabilities. Current statistics indicate that ten percent (10%) of persons aged 15-64 have disabilities, however the number of individuals aged 65+ living with disabilities increases to forty percent (40%).

Half of the 1.9 million Ontarians with disabilities live in the Greater Toronto Area (GTA). In the culturally diverse GTA, accessibility issues can be compounded – “interactions of identity” – unique experiences of immigrants with disabilities, particularly senior immigrants.

RATIONALE

It is the intent of TRCA to draw an expanded and diverse client base to all public use facilities in order to provide outdoor recreation based opportunities to all individuals, including, those with a disability. TRCA also aims to enhance its programs, services and facilities to become fully accessible through the development of Accessibility Guidelines. Given recent legislation, societal standards for accessibility and aging user groups, TRCA aims to be prepared to respond to increasing demand for accessibility guidelines and to provide fully accessible public use facilities, policies, practices and methods of public communication. In addition, TRCA’s municipal funding partners currently prepare an annual accessibility plan and have indicated that they will require the organizations they are supporting financially to respond to recent legislation and create accessibility guidelines.

FINANCIAL DETAILS

Financial impacts as a result of the accessibility guidelines will be integrated into capital and operating budgets.

DETAILS OF WORK TO BE DONE

1. Develop accessibility guidelines for all new and existing public use facilities, policies, practices and methods of public communication.
2. Conduct a current state of accessibility audit of TRCA public use facilities, policies, practices and methods of public communication.

3. Modify existing public use facilities, policies, practices and methods of public communications to become more accessible
4. Develop the terms of reference and establish an accessibility committee
5. Develop and implement a three year action plan that is to be reviewed annually and updated as necessary.
6. Develop partnerships to assist in the implementation of the accessibility action plan

Report prepared by: Brad Clubine, extension 5252

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Date: April 15, 2008

Item 7.9

TO: Chair and Members of the Authority
Meeting #4/08, May 23, 2008

FROM: Derek Edwards, Director, Parks and Culture

RE: **NAMING OF TORONTO AND REGION CONSERVATION AUTHORITY FACILITY**
Heart Lake Outdoor Aquatic Playground Facility, Heart Lake Conservation Authority
City of Brampton, Region of Peel

KEY ISSUE

Request for naming the Toronto and Region Conservation Authority-owned Heart Lake Outdoor Aquatic Playground Facility at the Heart Lake Conservation Area in the City of Brampton, Region of Peel.

RECOMMENDATION

THAT the Chair and Chief Administrative Officer of Toronto and Region Conservation Authority (TRCA) be authorized to name the Heart Lake Outdoor Aquatic Playground Facility at Heart Lake Conservation Area.

BACKGROUND

It is the intent of TRCA to draw an expanded and diverse client base to Heart Lake Conservation Area in order to increase revenue. It is also the intention of TRCA to pursue the recommendations outlined in the Heart Lake Conservation Area (HLCA) Master Plan in its entirety.

At Authority Meeting #5/06, held on June 23, 2006, Resolution #A133/06 regarding the endorsement of the Heart Lake Conservation Area (HLCA) Master Plan was approved as follows:

THAT the Heart Lake Conservation Area Master Plan, dated June 1, 2006 be approved;

AND FURTHER THAT funding for the implementation of the plan be included in the Toronto and Region Conservation Authority (TRCA) capital budget plan for Peel Region 2007 – 2011.

One of the key recommendations of the HLCA Master Plan is the development of a state of the art outdoor aquatic playground to replace natural swimming in Heart Lake. Heart Lake suffers from algal blooms and has a murky bottom which contributes to a poor swimming experience. In order to support Heart Lake's shoreline naturalization project and restoration to a warm water fishery, swimming is to be discontinued. However, the removal of swimming is to coincide with the installation of the outdoor aquatic playground.

As a result of and in conjunction with the recently endorsed HLCA Master Plan and approved capital budget funding from the Regional Municipality of Peel, staff retained the services of Harrington and Hoyle Landscape Architects for the preparation of the outdoor aquatic playground facility design. Over the last few months staff worked closely with Harrington and Hoyle Landscape Architects to prepare and refine the design and construction drawings required to move forward with the tendering and building permit process.

The outdoor aquatic playground is to be constructed on the lands owned and operated by TRCA as Heart Lake Conservation Area. The design features a state of the art and barrier free 1,300 square metre (m²) wetland theme outdoor aquatic playground. Key design features of the facility include:

- 30+ wetland themed user activated features, aquatic playground elements and shade structures. These elements are necessary to expand upon the existing client base and make the Heart Lake Outdoor Aquatic Playground a destination point.
- 550 person capacity;
- State of the art 10,000 gallon sand filtered closed loop water recycling system. This system filters and reuses water, thus reducing the accumulation of waste water and need for fresh water input.
- Ultraviolet (UV) water sanitation system.
- Wastewater that is generated through operational maintenance which will be distributed through a dispersal system to irrigate surrounding soft landscaping and.
- Energy and water efficient mechanical and washroom facilities, including low flow toilets and faucets, sensor automated lights and energy efficient pumps.

At Authority Meeting #9/03, held on November 28, 2003, the protocol for naming TRCA assets was approved via Resolution #A255/03. According to the protocol, the naming of TRCA assets must follow and contain any or all of the following:

TRCA will follow a consistent process to name or rename TRCA assets including lands, structures and other physical attributes. This process would include:

- Researching the current and suggested names, particularly their historical relevance.
- Engaging in a consultative process with interested stakeholders, including Members of The Conservation Foundation of Greater Toronto, donors, TRCA employees, Authority Members, members of the public, municipal and other non-profit organizations.

All name changes shall be subject to approval of the Authority. Municipalities and other stakeholders will receive information on the naming process including the rationale, the timing of the name change and any research on the history of the name to allow for comment.

The naming of TRCA assets may contain any or all of the following:

- The name of a major individual or corporate/public sector organization, possibly a donor.
- The name of an individual prominent in the environmental or conservation community.

- A relevant historical name associated with the geographic area or community.
- The name of a strategic initiative, a citizen's group or other partnership of TRCA.
- Other names that may have significance for a specific site and area.

Over the past several months staff worked in partnership with the Peel Region Children's Water Festival organizing committee to develop a public naming contest for the Heart Lake Outdoor Aquatic Playground. The naming contest is open to all 70+ grades 2 - 5 classes who participate in the 2008 Peel Region Children's Water Festival. Classes who participate in the Peel Region Children's Water Festival were issued promotional material introducing the wetland theme Outdoor Aquatic Playground naming contest and encouraged to submit one contest entry per class to TRCA staff for review.

Using the approved process and criteria for naming TRCA assets, contest submissions are to be evaluated by the Chair and Chief Administrative Officer based on creativity, uniqueness and appropriateness. A winner is to be selected as the official name of Heart Lake Outdoor Aquatic Playground and will be featured in promotional material and on-site signage. In addition, each student in the class that provides the winning entry will receive a free Conservation Journeys Family Pass valid through July, 2009.

If a suitable name is not submitted via the contest, staff will develop a name for the Heart Lake Outdoor Aquatic Playground in conjunction with the criteria for naming TRCA assets. The recommended name will be decided by the Chair and Chief Administrative Officer's review and subsequent approval.

RATIONALE

Although the typical process for naming TRCA assets requires Authority approval, staffs desire to notify the successful contestant prior to the end of the school year, the need for the design and development of on-site signage and promotional material prior to the official opening of the facility, and the sensitive construction schedule of the project, delegating approval to the Chair and Chief Administrative Officer is requested in order to meet these deadlines.

The Region of Peel Children's Water Festival has become a staple event at Heart Lake Conservation Area. By engaging both the festival participants and Region of Peel Children's Water Festival organizing committee in this naming contest, TRCA is consistent with the protocol for naming TRCA assets through a consultative process.

FINANCIAL DETAILS

Provision for the production of promotional material and on-site signage for the Heart Lake Outdoor Aquatic Playground has been included in TRCA's Capital Budget account code 422-10.

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Date: May 13, 2008

Item 8.1

TO: Chair and Members of the Authority
Meeting #4/08, May 23, 2008

FROM: Catherine MacEwen, Senior Manager, HR, Safety, Marketing and
Communications

RE: COMPENSATION STUDY

KEY ISSUE

Updated information on Toronto and Region Conservation Authority's compensation levels compared to our partners and stakeholder groups.

RECOMMENDATION

IT IS RECOMMENDED THAT the following Resolution #A263/07 approved at Authority Meeting #9/07, held on November 30, 2007, be received and become part of the public record:

THAT the Proposed Salary/Wage Schedule, outlined in Attachment A, be approved for implementation on April 1, 2008, subject to approval of the final 2008 Operating and Capital Budget.

BACKGROUND

At Authority Meeting #9/07, held on November 30, 2007, Resolution #A263/07 was approved in camera as per the Municipal Act, 2001, Section 2.d in that the subject matter considered is labour relations or employee negotiations. Private minutes were retained as a record of this item at the meeting. For transparency, TRCA will report back on in camera items when they can become public so a record of the resolution appears in public minutes.

RATIONALE

The resolution was subject to approval of the 2008 Operating and Capital Budget, which was approved at Authority Meeting #3/08, held on April 25, 2008. As a result of budget approval, the item can be made part of the public record.

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Date: May 12, 2008