

**Proposal for Consideration by TSMAD  
Victoria (Canada)**

29<sup>th</sup> November – 3<sup>rd</sup> December 2010

**Deficiency Report – Require Addition of a New Attribute Value to CATSEA –  
“cay”**

**Submitted by:** Canada

**Executive Summary:** This is a discussion paper proposing the addition of an attribute value to address a deficiency in existing attribute values lists. The value “cay” should be added to CATSEA.

**Related Documents:** N/A

**Related Projects:** S-101

### Introduction / Background

According to the IHO Hydrographic Dictionary a cay is defined as follows:

**cay (also kay, key).** A low, flat ISLAND of SAND, CORAL, etc. *awash or drying* at LOW WATER; a term originally applied to the coral islets around the COAST and ISLANDS of Caribbean Sea.

However, currently “cay” is only an enumerated value of the attribute CATLND, and Canada would like to add this value to the enumerated list for CATSEA as well.

The following is the current list of values for the CATSEA attribute.

|    |                         |
|----|-------------------------|
| 2  | <a href="#">gat</a>     |
| 3  | <a href="#">bank</a>    |
| 4  | <a href="#">deep</a>    |
| 5  | <a href="#">bay</a>     |
| 6  | <a href="#">trench</a>  |
| 7  | <a href="#">basin</a>   |
| 8  | <a href="#">flat</a>    |
| 9  | <a href="#">reef</a>    |
| 10 | <a href="#">ledge</a>   |
| 11 | <a href="#">canyon</a>  |
| 12 | <a href="#">narrows</a> |

|    |                                    |
|----|------------------------------------|
| 13 | <a href="#">shoal</a>              |
| 14 | <a href="#">knoll</a>              |
| 15 | <a href="#">ridge</a>              |
| 16 | <a href="#">seamount</a>           |
| 17 | <a href="#">pinnacle</a>           |
| 18 | <a href="#">abyssal plain</a>      |
| 19 | <a href="#">plateau</a>            |
| 20 | <a href="#">spur</a>               |
| 21 | <a href="#">shelf</a>              |
| 22 | <a href="#">trough</a>             |
| 23 | <a href="#">saddle</a>             |
| 24 | <a href="#">abyssal hills</a>      |
| 25 | <a href="#">apron</a>              |
| 26 | <a href="#">archipelagic apron</a> |
| 27 | <a href="#">borderland</a>         |
| 28 | <a href="#">continental margin</a> |
| 29 | <a href="#">continental rise</a>   |
| 30 | <a href="#">escarpment</a>         |
| 31 | <a href="#">fan</a>                |
| 32 | <a href="#">fracture zone</a>      |
| 33 | <a href="#">gap</a>                |
| 34 | <a href="#">guyot</a>              |
| 35 | <a href="#">hill</a>               |
| 36 | <a href="#">hole</a>               |
| 37 | <a href="#">levee</a>              |
| 38 | <a href="#">median valley</a>      |
| 39 | <a href="#">moat</a>               |
| 40 | <a href="#">mountains</a>          |
| 41 | <a href="#">peak</a>               |
| 42 | <a href="#">province</a>           |
| 43 | <a href="#">rise</a>               |
| 44 | <a href="#">sea channel</a>        |
| 45 | <a href="#">seamount chain</a>     |

|    |                   |
|----|-------------------|
| 46 | <u>shelf-edge</u> |
| 47 | <u>sill</u>       |
| 48 | <u>slope</u>      |
| 49 | <u>terrace</u>    |
| 50 | <u>valley</u>     |
| 51 | <u>canal</u>      |
| 52 | <u>lake</u>       |
| 53 | <u>river</u>      |
| 54 | <u>reach</u>      |

### **Recommendation**

It is recommended that the attribute value “55 – cay” be added to the CATSEA attribute value enumeration list for incorporation in S101 to correct this S-57 deficiency.