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## The Integration of Coastal Flooding into an ArcFLOOD Data Model

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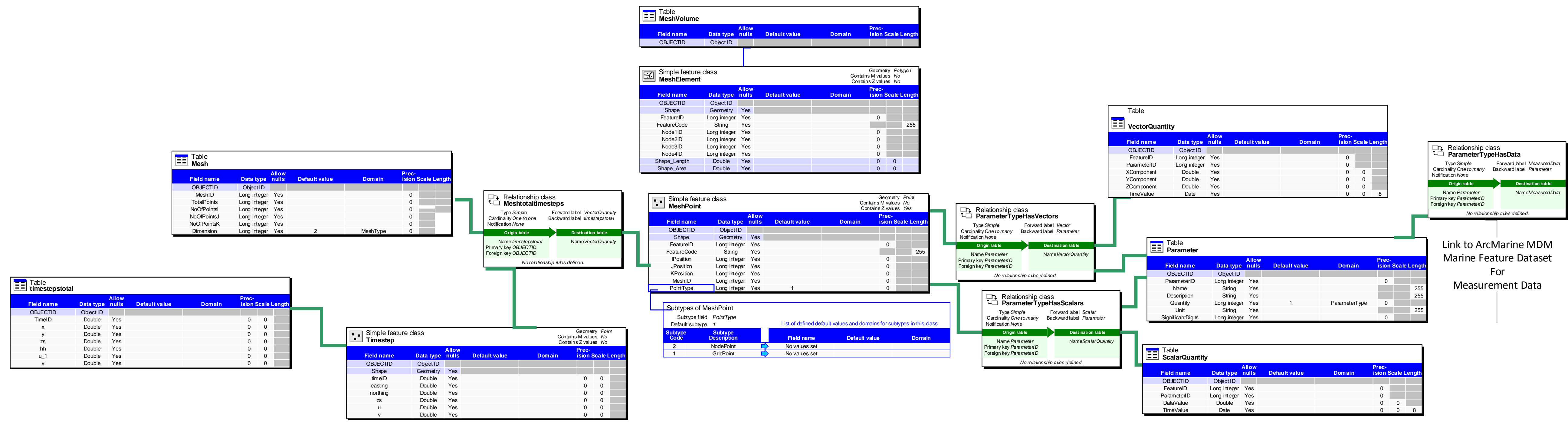
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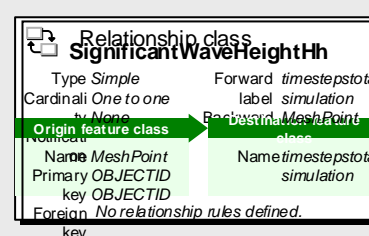
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# Appendix D.3 Mesh Data Model



## Legend



Relationship Box

| Field name | Data type | Allow nulls | Default value | Domain | Precision | Scale | Length |
|------------|-----------|-------------|---------------|--------|-----------|-------|--------|
| OBJECTID   | ObjectID  | Yes         |               |        | 0         |       |        |
| Hs         | Long      | Yes         | 0             |        | 0         |       |        |
| TU         | Long      | Yes         | 0             |        | 0         |       |        |
| Wl         | Long      | Yes         | 0             |        | 0         |       |        |
| FloodLevel | Long      | Yes         | 0             |        | 0         |       |        |

Table

| Field name | Data type | Allow nulls | Default value | Domain | Precision | Scale | Length |
|------------|-----------|-------------|---------------|--------|-----------|-------|--------|
| OBJECTID   | ObjectID  | Yes         |               |        | 0         |       |        |
| Shape      | Geometry  | Yes         |               |        | 0         | 0     |        |
| TimeID     | Double    | Yes         | 0             |        | 0         | 0     |        |
| x          | Double    | Yes         | 0             |        | 0         | 0     |        |
| y          | Double    | Yes         | 0             |        | 0         | 0     |        |
| zs         | Double    | Yes         | 0             |        | 0         | 0     |        |
| hs         | Double    | Yes         | 0             |        | 0         | 0     |        |
| u_1        | Double    | Yes         | 0             |        | 0         | 0     |        |
| v          | Double    | Yes         | 0             |        | 0         | 0     |        |

Spatial Dataset

Flow of data

Connection between tables