

Appendix B: Summary and Description of Results and Asset Fields

Summary

The following section displays the specific results for each of the 40 NPS units analyzed in this study. Results include a final list of the assets determined to have a high exposure to long-term SLR (1 m).

Asset Exclusions

Certain types of assets were not included in the analysis of the 40 parks. Examples include: 1) assets that location or elevation could not be assigned easily, such as some large general areas (e.g., landscapes, grounds, beaches or dunes) or assets that represent systems likely distributed park wide (IT, radio, water, wastewater, etc) 2) assets with a FMSS status of “planned” or “removed.”

There are also a number of park assets that may not be included in the utilized version of FMSS but are likely to be at risk to SLR. This includes numerous archaeological assets such as midden mounds that are not currently part of the FMSS database. In the review of this document park staff have noted that numerous assets have been added and updated in FMSS that are not part of this document.

***Notes Pertaining to Asset Lists**

- 1) Some exclusions did not apply to all units. If an exposure decision could be made about that particular asset (like a landscape that clearly has a high exposure) than the asset was included in the analysis.
- 2) Any assets can be placed onto the high exposure or limited exposure lists if so desired by NPS.
- 3) The original FMSS asset lists and location hierarchy reports were obtained from NPS in the Spring of 2012. Any updates that have been performed on the database since this time are not represented in this report.
- 4) If more than 100 assets were included in the high exposure list, only the first 100 are listed in this report. Further information can be obtained by contacting WCU or NPS.

Table B1. Asset Field Key

Field Name	Descriptions
Asset Code	FMSS code for asset type (i.e., building, road, etc), directly from FMSS, see table below. NPS definition: Identifies eight primary asset categories to track and report resource expenditures: Site Area, Road, Trail, Grounds, Buildings, Utilities, Marine/Waterway, and Unique Assets. The categories are further defined by asset codes (example: Paved Road, Unpaved Road, Paved Parking Area, Unpaved Parking Area, Bridge and Tunnel).
Location Code (Description)	Code for location; description of the asset, directly from FMSS location hierarchy
CRV Current Replacement Value	NPS definition: Standard industry costs and engineering estimates of materials, supplies, and labor required to replace facility at existing size and functional capability. This cost includes current costs for planning/design, construction, and construction management <i>FMAR</i> .
API Asset Priority Index	NPS definition: An asset evaluation process that quantifies the value of an asset in relation to the mission of the park. The API ranks assets according to a numeric rating system.
OptimizBand Optimizer Band	Banding by score of assets in the Optimizer tool based on higher priority assets receiving higher priority funding, assets in the best condition receiving the top priority of funding, and minimal investments are made in assets in poor condition of minimal importance. API/FCI is the basis for determination. Highest = Most Important Assets: Best Condition, High = Important Assets:, Best/Good Condition, Medium = Supporting Assets: Best/Good/Fair Condition Low = Lower Priority Assets, Lowest = Minimal Investment (API<21) & Disposal
FCI Facilities Condition Index	NPS definition: A measure of a facility's relative condition at a particular point in time compared to similar facilities. The FCI rating is a ratio of the cost of repair of an asset's deficiencies (deferred maintenance, recurring maintenance that has been deferred, component renewal that has been deferred, and immediate personnel hazard life safety repairs) divided by the current replacement value for the asset. $FCI = \frac{DM + RM - DM + CR - DM + IPH}{CRV}$

Table B2. Asset Codes and Descriptions

Asset Code	Asset Description
1100	Road
1300	Parking
1700	Road Bridge
2100	Trail
2200	Trail Bridge
2300	Trail Tunnel
3100	Maintained Landscape
3800	Boundary
4100	Building
4300	Quarters
5100	Water System
5200	Waste Water System
5400	Electrical System
5700	Fuel System
6100	Dam/Levee/Dike
6200	Constructed Waterway
6300	Marina/Waterfront System
6400	Aviation
7100	Monuments
7200	Maintained Archaeological
7300	Fortification
7400	Towers/Missile Silos
7500	Interpretive Media
7900	Amphitheaters