

APPENDIX D - MAINTENANCE CODES FOR REAL AND PERSONAL PROPERTY

Purpose: Maintenance codes provide a sound, systematic and standardized method of categorizing facilities/equipment (i.e., identify, sort, group, and track) information regarding maintenance needs and deficiencies, and the unfunded maintenance backlog at field stations. These standardized codes are used in all databases that deal with facility and equipment inventory, inspection, or maintenance and are listed at the following intranet address: <http://sii.fws.gov/r9data/>.

100 Buildings

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| 101 Office Buildings | Any building with the primary function of housing administrative or clerical staff. |
| 102 Visitor Centers | Buildings designed or designated for visitor contact including buildings with displays, museums. |
| 103 Laboratory Buildings | Buildings used primarily for research and development. Also includes small buildings used for bird banding, soil analysis, determining water quality, etc. |
| 104 Fish Production Buildings | Hatchery buildings, spawning rooms, incubation buildings, holding houses, and other buildings and sheds primarily used for fish culture or egg/fish production. |
| 105 Residences | All buildings used as quarters including bunkhouses. |
| 106 Storage Buildings | Buildings used for storage such as garages, warehouses, and other buildings used for storing equipment, tools and materials such as paints and flammable liquids, including open sheds, pole sheds, grain bins, barns, etc. |
| 107 Fire Cache Buildings | Buildings used primarily for the storage of equipment, vehicles or supplies related to fire management activities. |
| 108 Service/Shop Buildings | Buildings that are used for performing various service activities such as mechanical or preventive maintenance work on various vehicles, welding, sheet metal work, and painting including auto shops, carpenter shops, metal shops etc. |
| 109 Historical Buildings | Museums, cabins, churches, etc. where the primary use is interpretation or preservation of history. It does not include residences, offices etc. where the current primary use is a residence or office. If the building is a historical building or eligible to be listed in the National Register of Historic Places, this should be noted in the special criteria section. |

110 Other Buildings	Buildings that do not logically fit into any of the categories listed above and are used for specific purpose. Includes pumphouses (normally the cover over a wellhead or pump), Toilets and all their variations (pits, latrines, privies, outhouses, comfort stations), cabins (those not used as residences), trapper cabins, public use cabins, concession buildings, duck hospitals, and hunter check stations that are enclosed buildings or booths.
200 Utility Systems	
211 Power Generating Facilities	Facilities that generate electrical power including geothermal equipment, solar heaters and generators, and wind-powered electric generators.
212 Power Distribution Lines	Electrical distribution lines, transformers.
213 Water Treatment Facilities	Facilities used to obtain or supply water such as wells, springs, water pumping windmills and any associated facilities used for purification, treatment, disinfection, or pollution control, or to remove supersaturated gases.
214 Water Distribution Lines	Pipelines used to convey water from source or treatment facility to a building or other facility where the water will be used. Includes lines that feed fire hydrants, sprinkler systems and irrigation systems.
215 Sewage Treatment Facilities	Liquid or solid waste treatment facilities including septic tank systems and specialized facilities for treating hazardous or toxic waste materials.
216 Sewage Collection Lines	Pipelines used to carry waste products from a building or facility to the treatment facility or to carry the treated effluent to a disposal site.
217 Communications Systems	Station-owned telephone systems, intercom systems, 2-way radio or radio-telephone systems (whole or complete system, not individual unit - see 830) including the transmission tower, antenna and associated transmission cables. Also includes related equipment such as telephone repeaters, satellite dishes and related items.
218 Emergency/Security Systems	Includes emergency equipment such as emergency power generators, fire alarms and sprinkler systems, burglar alarms, intruder alarms, low or high water alarms, etc.
219 Other Utility Systems	Includes other utility systems such as air conditioning units, walk-in coolers, and above ground water storage tanks,

	security lights, street or other outdoor lights, and similar property.
300 Roads and Trails	
320 Public Use Paved Roads	Paved roads that are regularly used by the public on FWS lands.
321 Other Paved Roads	Other paved roads that are used for FWS administrative activities and not open to the general public.
322 Public use Parking Areas	All parking areas open to public use. Includes hunt parking lots, overlooks, waysides, boat ramp lots, visitor center parking, kiosk parking, fishing pier parking, trail head parking, restroom parking, check station parking lots, and Waterfowl Production Area parking.
323 Other Parking Areas	Areas used for parking that are not open to public use. Includes helipads, wash racks, RV/volunteer trailer sites, staff parking, maintenance shop parking, equipment parking, and residence parking.
324 Public Use Gravel Roads	Gravel roads that are regularly used by the public on FWS lands.
325 Other Gravel Roads	Gravel roads used for FWS administrative activities and not intended for public use.
326 Dirt Roads	Dirt roads used for access in managing FWS lands.
327 Service Trails	Trails and foot bridges used to perform various activities or services in managing FWS lands such as the servicing of fish production ponds, wood duck nesting boxes, etc. Includes trails that may be used with specialized vehicles.
328 Public Use (Foot) Trails/ Boardwalks	Trails, boardwalks, etc. used primarily for recreation by the public. Includes hiking trails, nature trails, boardwalks, sidewalks, foot bridges, and marsh trails. Trails may be gravel, concrete, asphalt, wooden or recycled plastic plank, or improved in some other manner. Vehicles are not normally driven on these trails.
330 Fire Roads	Roads used for the primary purpose of managing wildfires or prescribed burning activities.
331 Fire Trails	Trails used for the primary purpose of managing wildfires or prescribed burning activities.

- 332 Fire Breaks Cleared or tilled areas or breaks used to prevent the spread of wildfires or to control prescribed burns.
- 333 FWS-Owned Public Use Bridges FWS-owned bridges regularly used for vehicle access by the public..
- 334 FWS-Owned Administrative Bridges FWS-owned bridges used for vehicle access and not normally open for public use.

400 Water Management and Related Facilities

- 433 High/Significant Hazard (Inventory) Dams Dams subject to inspection by the Service Dam Safety inspection program. Failure of these dams is expected to cause potential loss of life of 1 to 6 or more people and appreciable economic loss. These dams are 25 feet or more in height from the natural bed of the stream, measured at the downstream toe of the dam and have a storage capacity of greater than 18,500 cubic meters (15 acre-feet), or, have an impounding capacity at maximum water storage elevation of at least 61,700 cubic meters (50 acre-feet) and a controlled outlet height of at least 6 feet.
- 434 Low Hazard (Inventory) Dams Dams subject to inspection by the Service Dam Safety inspection program. Failure of these dams is expected to cause no loss of life. They are located in undeveloped agriculture areas with occasional uninhabited structures or minimal outstanding natural resources and failure would cause minimal economic loss. These dams are 25 feet or more in height from the natural bed of the stream, measured at the downstream toe of the dam and have a storage capacity of greater than 18,500 cubic meters(15 acre-feet), or, have an impounding capacity at maximum water storage elevation of at least 61,700 cubic meters(50 acre-feet) and a controlled outlet height of at least 6 feet.
- 435 Levees/Dikes (Noninventory Dams) Embankments or raised ridges of soil or rock that were constructed as levees or dikes to retain or control the flow of water. These dams meet one of the two following criteria. They have a controlled outlet height less than 6 feet regardless of storage capacity or have a storage capacity of less than 18,500 cubic meters (15 acre-feet) regardless of height.
- 436 Canals Manmade waterways or artificial streams used to supply or control water. Includes irrigation ditches, feeders, and

	laterals which may be either concrete lined or unlined.
437 Drainage Ditches	Narrow and shallow trenches or furrows that were excavated as drainage ditches to drain water from managed lands. Includes bare earth, rip rap lined and concrete lined ditches.
438 Culverts (less than 20 feet)	Concrete, plastic, or metal pipes or conveyances less than 20 feet in length used to pass water under a road or embankment, where water flows through but no elevation control is part of the function.
439 Culverts (more than 20 feet)	Concrete, plastic, or metal pipes or conveyances more than 20 feet in length used to pass water under a road or embankment where water flows through but no elevation control is part of the function.
440 Water Control Structure	Flashboard or stoplog risers, screw gates, drop gates, valves, multi-bay units, sheet piling, weirs, checks, concrete water management structures and other water control structures designed to control water level elevation.
441 Pumping Stations/Houses	Permanently installed water pumping stations. Also includes sheetpiling/earthfills or cuts and ramps necessary to pump water using Gator or Crisafulli pumps. Portable or trailer-mounted water pumps are not included in this category; such items are included under equipment (code 810).
442 Raceways	Elongated rectangular fish production structures of concrete, aluminum, or fiberglass construction, or fish production water supply or waste treatment facilities that control water flows, provide oxygenated water and remove metabolic wastes.
443 Kettles	Depressed concrete catch basins used for concentrating and collecting fish as water is lowered in fish production ponds.
444 Fish Production Ponds	Ponds used for fish production purposes.
445 Impoundments	Manmade impoundments used for purposes other than fish production. Includes all manner of constructed reservoirs, wetlands, or ponds created by construction of dams, dikes or levees to pond water artificially. Frequently impoundments have water control structures to enable management of water elevations.

446 Fishways/Fish Ladders	Structures used for fish passage over a physical barrier.
447 Fish Screens	Screened barriers used to control fish entry, including mechanized self-cleaning rotary fish screens.
448 Spawning Channels	Specialized concrete canals that have the capability of controlling water flow and are used for salmonid spawning.
449 Docks	Platforms (either floating or anchored by pilings) used for boating purposes.
450 Piers	Over water platforms or walkways that are supported by pilings and used for purposes other than boating (e.g., fishing pier).
451 Bulkhead	Upright partitions or walls used to protect shorelines from erosion by wave action, including breakwaters and jetties.
452 Other Water Management/ Related Facilities	Structures that do not logically fit into the other categories provided above, including navigational aids, channels, turning basins, springs, rip rap, valve pits, aeration chambers, storm drains, nesting islands, flumes, rock drops, walkways to water control structures.

500 Other Structures and Facilities

553 Fences	Structures that serve as enclosures, barriers, or boundaries including wire, metal, or wooden fences and posts which support the fence. Includes corrals, barbed wire, split rail, chain link. wooden, electric, boundary, animal and residence fences.
554 Gates	Structures that provide an opening in a fence.
555 Cattle Guards	Structure composed of metal slotted openings over a depression in a road that is used to contain cattle within a fenced area. The guards are avoided by cattle and provide a "bridge" for crossing the depression in the road.
556 Signs	Signs and posts or other structures used to anchor the signs.
557 Historical Structures	This listing should be used when the primary purpose of a structure is historical interpretation or conservation. May include entry way arches, graveyards, lighthouses where the primary use is interpretation or preservation of history. Includes structures, that are listed on the National Register

	of Historic Places, determined to be eligible for listing or which may be eligible for listing.
558 Boat Launching Ramps	Ramps used to launch boats.
559 Beaches	Areas along water that are used for swimming, sunbathing, and associated recreation by the public.
560 Visitor Contact Stations	Structures and facilities that provide information to the public including covered bulletin boards, displays, kiosks, etc.
561 Picnic Areas	Land areas used for picnic activities by the public. Include picnic tables, shelters, structures and other improvements.
562 Campgrounds	Lands that are used for camping by the public.
563 Fish Display Pools	Pools or small ponds that contain fish for public viewing and recreation.
564 Fish Display Aquaria	Aquaria that are used to display fish for public viewing.
565 Public Use Observation Towers	Metal or wooden towers that are used by the public for viewing wildlife and habitats.
566 Fire Towers	Towers that are used to detect wildfires or as a control point during firefighting activities or prescribed burns.
567 Other Structures or Facilities	Other FWS facilities that do not fit into the categories provided above such as airfields, swimming pools, loading docks, animal pens, decks on residences, firing ranges, hunting or wildlife observation blinds.
568 Debris Cleanup	Removal of trash, old tires, abandoned structures in advanced states of collapse.
570 Underground Fuel Storage Tanks	Tanks installed below ground for storage of gasoline, diesel, aviation fuel, heating oil, propane, used engine oil etc.
580 Above Ground Fuel Storage Tanks	Tanks installed above ground for storage of gasoline, diesel, aviation fuel, propane, home heating oil, or used motor oil. (Water tanks/towers are included in category number 219, other utility systems).

700 Transportation Equipment

777 Passenger Vehicles	All types of passenger vehicles including sedans, station wagons, carryalls, vans, and specialized vehicles such as motorized carts, oversnow vehicles, motorcycles, and scooters.
778 Trucks, Light (< 8,500 lbs)	Light trucks (4 x 2, 4 x 4) including compact pickup trucks, standard pickup trucks, panel trucks, and sedan delivery.
779 Trucks, Heavy (> 8,500 lbs)	Heavy trucks (4 x 2, 4 x 4) including fish distribution trucks, dump trucks, stake trucks, cab and chassis, panel and van trucks, and other vehicles used to haul cargo.
780 Tractors, Construction, and Industrial Vehicles	Heavy or specialized vehicles including tractors, earth movers, bulldozers, cranes and shovels, and forklifts.
781 Fire Management Vehicles	All vehicles used primarily for fire management including trucks of all types (4 x 2, 4 x 4).
782 Aircraft	All aircraft including rotary and fixed-winged aircraft.
783 Boats(less than 26' long)	All boats under 26' long that are non-motorized or powered by outboard motors and inboard motors including canoes, Jon. boats, acrobats, and other specialized water craft.
784 Boats (equal to or more than 26 feet long)	All boats 26 feet or longer including research vessels and tugs.
785 Water craft (all other)	All other specialized water craft such as barges, ferries, and pontoons.
786 Trailers (boat and utility)	All types of boat and utility trailers.
787 House trailers	All types and sizes of house trailers or mobile homes.
800 Other Equipment	
810 Shop equipment	Generators, portable pumps, hoists, vehicle lifts.
820 Field equipment	Plows, disks, cultivators, seeders, field mowers, harrows, planters, or similar agricultural implements.

830 Mobile and Portable Radios	Two way communications radios (complete radio systems use code 217)
840 Fire Management Equipment	Religionist and marsh masters used for fire management, slip-on pumpers, helitorches, terra torches,
850 Fish Culture Equipment	Specialized equipment such as incubation chambers.
860 Laboratory Equipment	Scientific measuring or sampling equipment intended for laboratory science assessment or investigation work.
870 Other Specialized Equipment	All equipment not included in the above categories.