

POND SEALING OR LINING

PRACTICE INTRODUCTION

USDA, Natural Resources Conservation Service - practice codes 521A, 521B, 521C



POND, SEALING OR LINING

Pond, Sealing or Lining is the installation of a liner for a pond or waste impoundment consisting of either a compacted soil-dispersant mixture, soil-bentonite mixture, or a continuous synthetic flexible material.

PRACTICE INFORMATION

The purpose of this practice is to control seepage from water and waste impoundments for water conservation and environmental protection.

This practice applies on ponds and water storage structures that require treatment to control seepage rates within acceptable limits and to prevent the migration of contaminants offsite. Select soil materials will be used as cover for liners where required for proper performance, protection and durability of the installation. Sub grade materials shall not contain sharp, angular stones or any objects that could damage the liner or adversely impact its function.

COMMON ASSOCIATED PRACTICES

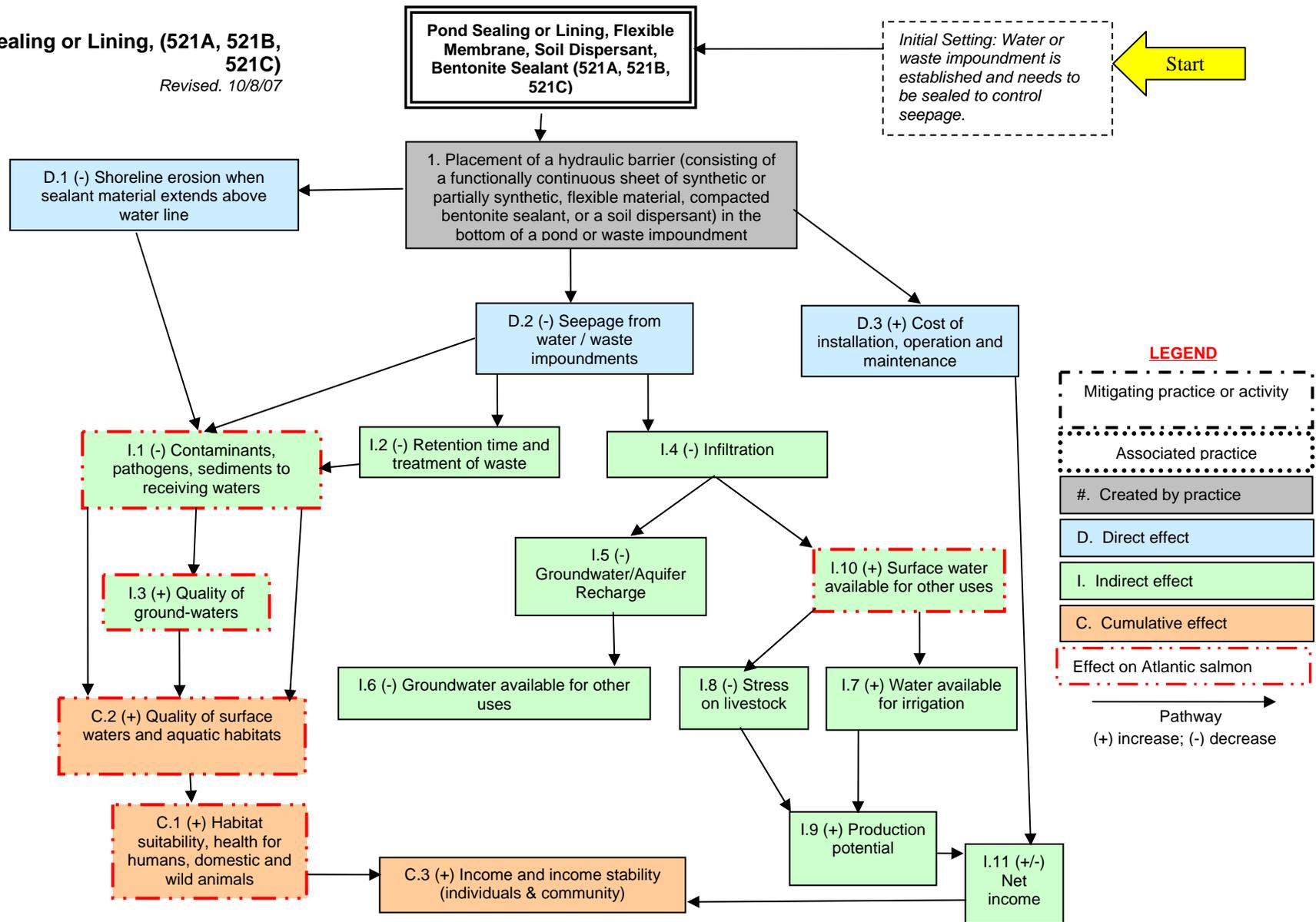
The practice is commonly used in a Conservation Management System with the following practices.

- Irrigation Storage Reservoir
- Irrigation Regulating Reservoir
- Pond
- Waste Storage Facility
- Waste Treatment Lagoon
- Nutrient Management
- Waste Treatment
- Irrigation Water Management

Refer to the practice standard in the local Field Office Technical Guide and associated specifications and Job Sheets for further information.

The following page identifies the conservation effects expected to occur when this practice is applied. These effects are subjective and somewhat dependent on variables such as climate, terrain, soil, etc. Users are cautioned that these effects are estimates that may or may not apply to a specific site.

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The diagram above identifies the effects expected to occur when this practice is applied according to NRCS practice standards and specifications. These effects are subjective and somewhat dependent on variables such as climate, terrain, soil, etc. All appropriate local, State, Tribal, and Federal permits and approvals are the responsibility of the landowners and are presumed to have been obtained. All income changes are partially dependent upon market fluctuations which are independent of the conservation practices. Users are cautioned that these effects are estimates that may or may not apply to a specific site.