Planning Unit Inventory

Planning Unit Inventory

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Natural Resource Inventory and Analysis

PLANNING UNIT **A-1** LAND AREA

WATERSHED Saco ELEVATION RANGE 300 - 570

SUB-WATERSHED Killick Pond

CONTIGUOUS PLANNING UNITS: A-2, I-1, J-2, J-1, K-1

MUNICIPALITY COORDINATION: HOLLIS

I. PLANNING UNIT SIGNATURE:

Context Bounded on the north and west by a major unnamed ridge comprising the watershed break between the Killick Pond/Little Ossipee Pond/East Little Ossipee sub-watersheds; on the east by the Waterboro/Hollis town line; on the south by Waterboro Road.

Spatial Configuration Two linear valleys are contained by dissected slopes descending from an unnamed ridge, Chadbourne Ridge and unnamed hills along the Hollis town line.

Water Regime Both linear valleys contain perennial streams forming two headwaters of Killick Pond. Both streams contain associated wetland complexes. A series of pocketed wetlands occur in drainage rills descending the dissected slopes. A significant upland wetland complex including two bogs occurs in association with the Waterboro Road Edge

Land Cover Pure evergreen forest cover dominates the planning unit, however, mixed forest cover predominates the sloping terrain. Small pockets of pure hardwood growth occur on portions of the ridgetop areas.

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PLANNING UNIT **A-2** LAND AREA

WATERSHED Saco ELEVATION RANGE 330 - 570 ft.

SUB-WATERSHED Killick Pond

CONTIGUOUS PLANNING UNITS: A-1, A-3, B-1, I-1, I-2

MUNICIPALITY COORDINATION: Hollis

I. PLANNING UNIT SIGNATURE:

Context Bounded on the north by a developed residential area; on the east by the Waterboro/Hollis town line; on the southeast by the Killick Pond/Stow Brook sub-watershed break; on the south and west by Deering Ridge Road

Spatial Configuration A small upland valley occurs in the center of the planning unit and is spatially contained by an extension of the Deering Ridge landform on the east. Developed areas to the north, south and west occur on a terraced bench, this containing the valley.

Water Regime A perennial stream flows through the center of the valley and joins a smaller stream draining a dissected section of Deering Ridge. A major wetland complex including the second largest bog in Waterboro occurs in nearly the entire valley floor. An unnamed pond occurs adjacent to Waterboro Road on the terrace bench.

Land Cover Primary cover is mixed forest; bog associated vegetation exists and also pocketed areas of agricultural fields, pure evergreen forest and pure hardwood forest.

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PLANNING UNIT **A-3** LAND AREA

WATERSHED Saco ELEVATION RANGE 340 - 480 ft.

SUB-WATERSHED Killick Pond

CONTIGUOUS PLANNING UNITS: A-2, B-1, B-2, C-1, I-2

MUNICIPALITY COORDINATION: Hollis

I. PLANNING UNIT SIGNATURE:

Context Bounded on the north by Deering Ridge Road; on the east and south by Killick Pond / Bartlett Pond sub-watershed break; on the west by Killick Pond / Little Ossipee Pond sub-watershed break.

Spatial Configuration A small upland valley in the center of the planning unit is contained by a series of dissected slopes. Deering Ridge is the dominant landform.

Water Regime This small valley contains a significant wetland complex including two bogs. A perennial stream drains from Deering Ridge and joins the wetland complex in the valley, forming one of the headwater areas of the Killick Pond subwatershed.

Land Cover The entire planning unit is comprised of mixed deciduous / evergreen forest cover. Wetland vegetation types include wooded swamps, shrub swamps, and bogs.

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PLANNING UNIT **B-1** LAND AREA

WATERSHED Saco ELEVATION RANGE 380 - 575

SUB-WATERSHED Stony Brook

CONTIGUOUS PLANNING UNITS: A-2, A-3, B-2

MUNICIPALITY COORDINATION: Hollis

I. PLANNING UNIT SIGNATURE:

Context Bounded on the north by the Killick Pond / Stony Brook sub-watershed break, on the east by the Waterboro/Hollis town line; on the south by Deering Ridge Road (to Hollis), on the west by Deering Ridge Road:

Spatial Configuration The entire planning unit is composed of the sloping portion of an isolated ridge at the northern terminus of the linear portion of Deering Ridge. The land slopes generally south to the Deering Ridge Road (to Hollis).

Water Regime One of the headwaters of Stony Brook originates in the low portion of the planning unit with a wetland complex following the linear and enclosed section of this upland headwaters. An interesting pocketed wetland complex occurs at the high point of the ridgetop.

Land Cover Agricultural fields border the Deering Ridge Road and an isolated section of the ridgetop adjacent to planning unit A-2. The remainder of the unit is comprised of mixed forest cover, excepting a transmission line corridor, clear cut and running NE to SW.

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PLANNING UNIT **B-2**

LAND AREA

WATERSHED Saco

ELEVATION RANGE 400 - 480

SUB-WATERSHED Stony Brook

CONTIGUOUS PLANNING UNITS: A-3, B-1, B-3, C-1

MUNICIPALITY COORDINATION: N/A

I. PLANNING UNIT SIGNATURE:

Context Bounded on the north and east by Deering Ridge Road; on the south and west by the Stony Brook / Cooks Brook sub-watershed break.

Spatial Configuration The entire unit is comprised of the sloping portion of the primary Deering Ridge landform. The land slopes generally North from the ridgeline to Deering Ridge Road.

Water Regime A perennial stream originates on the ridge, forming one headwaters of the Stony Brook. A linear wetland complex occurs directly adjacent to Deering Ridge Road.

Land Cover The entire area is comprised of mixed forest cover, excepting a transmission line corridor, clear cut and running NE to SW.

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PLANNING UNIT **B-3** LAND AREA

WATERSHED Saco ELEVATION RANGE 300 - 430

SUB-WATERSHED Stoney Brook

CONTIGUOUS PLANNING UNITS: B-1, B-2, C-1

MUNICIPALITY COORDINATION: Hollis

I. PLANNING UNIT SIGNATURE:

Context Bounded on the north by Deering Ridge Road (to Hollis); on the east by the Waterboro/Hollis town line; and on the west by Deering Ridge Road.

Spatial Configuration The entire unit is comprised of the sloping portion of the primary Deering Ridge landform. A small stream valley originates at the Deering Ridge Road intersection with the road to Hollis, and drains to the Hollis line.

Water Regime The perennial stream originates in planning unit B-2 and flows to Stony Brook in Hollis. A wooded swamp wetland association occurs along the entire length of the stream valley, which is generally linear and confined between two ridges

Land Cover Agricultural fields follow most of the ridgetop and extent down the slope partially. The remainder of the area is comprised of mixed forest cover, excepting a clear-cut transmission line corridor and a small area of pure evergreen forest

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PLANNING UNIT **C-1** LAND AREA

WATERSHED Saco ELEVATION RANGE 275 - 500 ft.

SUB-WATERSHED Cocks Brook

CONTIGUOUS PLANNING UNITS: A-3, B-2, B-3, C-2→7, I-2, I-3

MUNICIPALITY COORDINATION: LYMAN

I. PLANNING UNIT SIGNATURE:

Context Bounded on the north by the Cocks Brook / Little Ossipee Pond and Killick Pond sub-watershed breaks; on the east by Deering Ridge Road; on the south by the Waterboro / Lyman town line; on the west by Roberts Ridge Road, Bennett Hill Road and Route 5.

Spatial Configuration The central portion of the planning unit is comprised of a broad valley extending north-south and enclosed by the Deering Ridge and Roberts Ridge landforms. Unnamed hills rise out of the valley floor in the upper section of the valley.

Water Regime The broad valley contains one major perennial stream which flows approximately 3 miles to Bartlett Pond. Major wetland complexes occur at the headwaters of the valley and adjacent to Bartlett Pond. Additional wetland areas occur along feeder streams to the main stream and in pocketed areas throughout the unit.

Land Cover Mixed forest vegetation is the primary cover, with large sections of pure hardwood forest dominating ridge and slope areas. Two clear cut transmission line corridors bisect the planning unit. Agricultural fields exist along Bennett Hill Road and the south end of Deering Ridge Road.

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PLANNING UNIT **C-2** LAND AREA

WATERSHED Saco ELEVATION RANGE 280 - 310 ft.

SUB-WATERSHED Cooks Brook

CONTIGUOUS PLANNING UNITS: C-1, C-3

MUNICIPALITY COORDINATION: LYMAN

I. PLANNING UNIT SIGNATURE:

Context Bounded on the north by Route 5, on the southeast by the Waterboro/Lyman line, on the west by Jefferson Road.

Spatial Configuration Generally level terrain is low and bounded by terraced benches wher developed areas occur.

Water Regime An unnamed pond occurs in the low area which drains into Lyman via Cooks Brook. Most of the low area is comprised of wetlands including wooded swamps, wooded marshes, deep marshes, bogs and one wet gravel pit.

Land Cover Mixed forest cover, small areas of pure evergreen and pure hardwood forests.

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PLANNING UNIT **C-3** LAND AREA

WATERSHED Saco ELEVATION RANGE 275 - 410 ft.

SUB-WATERSHED * Roberts Pond / Cooks Brook

CONTIGUOUS PLANNING UNITS: C-2, C-3, D-2

MUNICIPALITY COORDINATION: Lyman

I. PLANNING UNIT SIGNATURE:

Context Bounded on the N. by Routes 4 & 202; on the E. by Route 5; on the S.E. and E. by Jefferson Road; on the S. by the Waterboro/Lyman line; on the W. by the Saco River/Mousam River Watershed Break.

Spatial Configuration An unnamed ridge encloses the Cooks Brook valley at the north section of the planning unit. Developed areas occur on a terraced bench above the stream valley.

Water Regime * The only planning unit within the planning cell which drains to Roberts Pond in lieu of Cooks Brook, however the north section of the unit drains to Cooks Brook. A linear wetland complex follows the Cooks Brook in its entirety within the unit.

Land Cover Mixed forest vegetation dominates the valley while pure hardwood forest and agricultural fields dominate upland areas.

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PLANNING UNIT **C-4** LAND AREA

WATERSHED Saco ELEVATION RANGE 290 - 320 feet

SUB-WATERSHED Cooks Brook

CONTIGUOUS PLANNING UNITS: C-1, C-3, C-5, D-1

MUNICIPALITY COORDINATION: N/A

I. PLANNING UNIT SIGNATURE:

Context Bounded on the E. by Route 5; on the S. by Routes 4 & 202; on the W. by the Saco/Mousam River watershed break.

Spatial Configuration The entire planning unit occurs in the broad valley extending from Waterboro Center to The Heath.

Water Regime Cooks Brook crosses through the south end of the planning unit with a linear association of wooded swamp wetlands.

Land Cover Cover types are evenly mixed amongst agricultural fields, mixed forest and hardwood forest. Two clear-cut transmission line corridors converge and bisect this unit.

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PLANNING UNIT **C-5** LAND AREA

WATERSHED Saco ELEVATION RANGE 310 - 480 ft.

SUB-WATERSHED Cooks Brook

CONTIGUOUS PLANNING UNITS: C-1, C-4, D-1

MUNICIPALITY COORDINATION: N/A

I. PLANNING UNIT SIGNATURE:

Context Bounded on the N. by Waterboro Center Village; on the E. by Roberts Ridge Road; and the W. by Route 5.

Spatial Configuration A major portion of this unit is part of the broad valley extending from Waterboro Center to The Heath, and is spatially contained by the western slopes of Roberts Ridge.

Water Regime The headwaters of Cook's Brook originate in a wetland complex at the base of Roberts Ridge. A linear configuration of wetlands follows Cooks Brook in its entirety within this unit.

Land Cover Mixed forest cover dominates the valley floor with pockets of evergreen forest and agricultural fields. Pure hardwood forest covers most of the slope and ridge areas of Roberts Ridge.

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PLANNING UNIT **D-1** LAND AREA

WATERSHED Mousam ELEVATION RANGE 300 - 330

SUB-WATERSHED Shaker Pond

CONTIGUOUS PLANNING UNITS: C-4, C-5, D-2, D-9,

MUNICIPALITY COORDINATION: N/A

I. PLANNING UNIT SIGNATURE:

Context Bounded on the N. and E. by the Saco River/Mousam River watershed break; bounded on the S. by Route 4/202; on the W. by Old Alfred Road and associated residential growth areas.

Spatial Configuration The entire portion of the planning unit is situated in the valley extending from Waterboro center to The Heath.

Water Regime There are no doubts that this planning unit contains the upper reaches of a section of the Heath. Major wetlands comprise the majority of the southernmost section of the planning unit, which drain into and form an upland extent of the Heath.

Land Cover Pure evergreen forest dominates with additional areas of mixed frost, pure hardwood and agricultural fields. Two power line corridors intersect here, and bisect the planning unit.

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PLANNING UNIT **D-2** LAND AREA

WATERSHED Mousam ELEVATION RANGE 275 - 375

SUB-WATERSHED Shaker Pond

CONTIGUOUS PLANNING UNITS: C-3, D-1, D-3, D-9

MUNICIPALITY COORDINATION: Lyman

I. PLANNING UNIT SIGNATURE:

Context Bounded on the N. by Route 4/202; on the E. by the Mousam River / Saco River watershed break; on the S. by the Waterboro / Lyman town line; on the W. by Hamilton Road.

Spatial Configuration Almost all of this unit is comprised of the flat lowland containing the Heath. Three upland terraces occur at the edge condition of Route 4/202, adjacent to Hamilton Road, and at the Mousam / Saco watershed divide. The Heath is bisected by an old railroad grade.

Water Regime 90% of this planning unit is covered by The Heath, containing a major wetland composition including woody swamps, shrub swamps, wooded marshes, and the largest bog within Waterboro

Land Cover The Heath is comprised of bog vegetation mixed forest cover and pockets of pure evergreen vegetation. Upland terraces are composed primarily of pure hardwood stands.

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PLANNING UNIT **D-3** LAND AREA

WATERSHED Mousam ELEVATION RANGE 270 - 375

SUB-WATERSHED Shaker Pond

CONTIGUOUS PLANNING UNITS: D-2, D-4, D-8

MUNICIPALITY COORDINATION: N/A

I. PLANNING UNIT SIGNATURE:

Context Bounded on the N. and E. by Hamilton Road; on the S. by Goodwin Mills Road; on the W. by Route 4/202.

Spatial Configuration Predominantly composed of the western terraces and slopes descending from Ricker Hill to the valley containing Waterboro Village.

Water Regime Hamilton Branch feeding Shaker Pond crosses through the N. section of the unit, containing associated wetlands. Two headwaters of the Hamilton Branch drain the upland terraces, also containing a linear wetland association.

Land Cover Almost purely pure hardwood; linear grouping of pure eastern pines occurs at the Route 4/202 edge.

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PLANNING UNIT **D-4** LAND AREA

WATERSHED Mousam ELEVATION RANGE 250 - 350

SUB-WATERSHED Shaker Pond

CONTIGUOUS PLANNING UNITS: D-3, D-5

MUNICIPALITY COORDINATION: Lyman

I. PLANNING UNIT SIGNATURE:

Context Bounded on the N. by Goodwin Mills Road; on the S. and E. by the Waterboro/Lyman Town line; on the W. by Route 4/202 and Waterboro Village.

Spatial Configuration Comprised of disected hills on the S. and E. sections of the planning unit. A perrennial stream containing a small valley bisects the area, opening to a flat valley adjacent to Waterboro Village.

Water Regime Two perennial streams forming headwaters of the Hamilton Brandh occur and contain linear wetland associations contained by upland topography. A broad wetland area occurs on the western terrace of Ricker Hill; isolated wetland pockets occur on the dissected slopes within the unit.

Land Cover A significant portion of this area contains pure hardwoods, approximately one half of the unit. Remaining cover types are pure evergreen and mixed forest.

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PLANNING UNIT **D-5** LAND AREA

WATERSHED Mousam ELEVATION RANGE

SUB-WATERSHED Shaker Pond

CONTIGUOUS PLANNING UNITS: D-4, D-8

MUNICIPALITY COORDINATION: Lyman

I. PLANNING UNIT SIGNATURE:

Context Bounded on the N. by West Road and Massabesic High School; on the E. by Route 4/202; on the S. by the Waterboro/Lyman town line; on the W. by Federal Street.

Spatial Configuration A terrace extends N. to S. bisecting the planning unit. Two linear valleys containing the Carll Branch and Hamilton Branch Brooks form the edge condition of the unit, running also N. to S. and rising upland to the Route 4/202 and Federal Street corridors.

Water Regime The linear valleys containing Carll Branch and Hamilton Branch are prolific in woody swamp wetlands at times 1000 feet wide. This unit contains the confluence of Carll Branch and Hamilton Branch, which form Shaker Brook, the source of Shaker Pond.

Land Cover. Almost 100% of this valley contains mixed forest in association with wetland conditions defined as woody swamps. Agricultural field about the Old Corner intersection. A power line corridor follows the linear valley and bisects the planning unit.

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PLANNING UNIT **D-6** LAND AREA

WATERSHED Mousam ELEVATION RANGE 260 - 590

SUB-WATERSHED Shaker Pond

CONTIGUOUS PLANNING UNITS: D-5, D-7, E-1

MUNICIPALITY COORDINATION: Alfred

I. PLANNING UNIT SIGNATURE:

Context Bounded on the N. by West Road; on the E. by Federal Street; on the S. by the Waterboro/Alfred town line; on the W. by the Shaker Pond/Middle Branch Pond sub-watershed break.

Spatial Configuration Star Hill comprises the entire planning unit. East facing slopes uniformly descend to Federal Street, while western terraces are dissected and descend to West Road and into Alfred.

Water Regime A significant wetland occurs on the western terrace which forms the headwaters of Middle Branch Pond. Isolated wetlands occur on both east and west-facing slopes.

Land Cover Agricultural fields dominate the visual character of Star Hill. The sloping areas are primarily composed of mixed forest cover, with isolated stands of pure evergreen and pure deciduous forests.

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PLANNING UNIT **D-7** LAND AREA

WATERSHED Mousam ELEVATION RANGE 290 - 640

SUB-WATERSHED Shaker Pond

CONTIGUOUS PLANNING UNITS: D-5, D-6, D-8, E-1

MUNICIPALITY COORDINATION: N/A

I. PLANNING UNIT SIGNATURE:

Context Bounded on the N. by the Saco / Mousam River watershed break; on the E. by Middle Road; on the S. and W. by West Road.

Spatial Configuration The entire unit is comprised of E. facing slopes descending from a major ridge landform, unnamed but following West Road.

Water Regime The headwaters of the west section of Carll Branch originate here. This perennial stream drains the ridge landform and includes a sometimes linear, sometimes irregular association of wooded swamp wetlands.

Land Cover Agricultural fields occur along the West Road Corridor, sloping areas are evenly divided amongst pure hardwood, pure evergreen and mixed forest cover. A power line corridor running E-W bisects the planning unit.

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PLANNING UNIT **D-8** LAND AREA

WATERSHED Mousam ELEVATION RANGE 275 - 1050

SUB-WATERSHED Shaker Pond

CONTIGUOUS PLANNING UNITS: D-3, D-4, D-5, D-7, D-9, F-1, I-3

MUNICIPALITY COORDINATION: N/A

I. PLANNING UNIT SIGNATURE:

Context Bounded on the N. by the Saco/Mousam River watershed break including Ossipee Hill; on the E. by Ossipee Hill Road; on the S. by Star Mill Road, Route 4/202 and West Road; on the W. by Middle Road.

Spatial Configuration Landform descends from the summit of Ossipee Hill very steeply to Ossipee Hill Road. An upland valley contains Moody Pond. Below Moody Pond, dissected slopes descend to a broad valley adjacent to Waterboro Village.

Water Regime Moody Pond, at 492 feet above sea level, forms one headwaters of the Mousam River, and is drained by two sections of the Carll Branch. The Carll Branch headwaters from Moody Pond and the Heath converge in the broad valley adjacent to Waterboro Village. A diverse composition of wetlands occurs throughout the unit; pocketed as well as stream-associated.

Land Cover From the summit of Ossipee Hill, descending slopes and the Moody Pond area contain pure hardwood forests. Drainage sections are composed of riparian mixed forest cover types, excepting the valley containing Carll Branch' headwaters, exhibiting pure evergreen forests.

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PLANNING UNIT **D-9** LAND AREA

WATERSHED Mousam ELEVATION RANGE 285 - 590

SUB-WATERSHED Shaker Pond

CONTIGUOUS PLANNING UNITS: D-1, D-2, D-8,

MUNICIPALITY COORDINATION: N/A

I. PLANNING UNIT SIGNATURE:

Context Bounded on the N&W. by Ossippee Hill Road; on the E. by Old Alfred Road; on the S. by Route 4/202 and Star Mill Road; on the W. by Ossippee Hill Road.

Spatial Configuration The central portion of the planning unit is comprised of a dissected ridge descending from Ossippee Hill. The W. section of the unit contains a linear valley containing the headwaters of Carll Branch. The E. Section of the unit forms the western boundary of the broad valley to The Heath.

Water Regime An unnamed perennial stream within the broad valley drains to The Heath, and contains a major wetland complex, at times 2000 feet in width. Wetlands associate with the headwaters of Carll Branch, contained by the upland topography. Dissected slopes contain numerous wetland pockets, a significant bog, and one unnamed pond.

Land Cover The dissected ridge section descending from Ossipee Hill contains pure hardwood forest. Linear valleys contain mixed forest types in association with wetland areas defined as woody swamps.

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PLANNING UNIT **E-1**

LAND AREA

WATERSHED Mousam River

ELEVATION RANGE 425 - 715

SUB-WATERSHED Middle Branch Mousam River

CONTIGUOUS PLANNING UNITS: D-6 ; D-7 ; F-3

MUNICIPALITY COORDINATION: Alfred

I. PLANNING UNIT SIGNATURE:

Context Bounded on the N. by the Mousam/Saco River Watershed break; on the E. by West Road; on the S. and W. by the Waterboro/Alfred town line.

Spatial Configuration A valley containing Middle Branch Pond and Middle Branch of the Mousam River straddles to town line; west facing slopes descend from the linear ridge landform into the valley. Slopes are uniform with riparian valleys interjecting into the slopes near Middle Branch Pond and Star Hill.

Water Regime Middle Branch Pond forms the headwaters of the Middle Branch of the Mousam River. The entire river section below the pond contains significant wetland areas extending generally to the toe up descending slopes. A large upland wetland area occurs near Star Hill and follows a perennial stream to the Middle Branch.

Land Cover Agricultural fields straddle West Road along the ridgetop; sloped areas are mostly pure hardwood forest; valley area is mixed cover types and wetland associated cover types.

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PLANNING UNIT **F-1** LAND AREA

WATERSHED Saco ELEVATION RANGE 455 - 1050

SUB-WATERSHED Buff Brook

CONTIGUOUS PLANNING UNITS: D-8, F-2, H-4, I-3

MUNICIPALITY COORDINATION: N/A

I. PLANNING UNIT SIGNATURE:

Context Bounded on the N., E. and S. by Ossipee Hill ridge and Saco / Mousam River watershed break; on the W. by Middle Road and Thyngs Mill Road.

Spatial Configuration The entire planning unit is comprised of the west-facing ridge landform descending from Ossipee Hill to the Middle Road & Thyngs Mill Road. The topography is very steep from the summit of Ossipee Hill directly to Middle Road. An upland valley abuts the Thyngs Mill Road edge.

Water Regime This planning unit contains headwaters areas for Buff Brook and Henderson Brook, which originate in riparian valleys on the sloping ridges. A wooded swamp wetland occurs in association with a perennial stream and within the upland valley abutting Thyngs Mill Road; forming headwaters of Henderson Brook.

Land Cover Even distribution of mixed forests, pure hardwood, and pure softwood stands.

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PLANNING UNIT **F-2**

LAND AREA

WATERSHED Saco

ELEVATION RANGE 330 - 710

SUB-WATERSHED Buff Brook

CONTIGUOUS PLANNING UNITS: F-1, F-3, F-5, G-1, H-3, H-4, H-5

MUNICIPALITY COORDINATION: Alfred / Shapleigh / Limerick

I. PLANNING UNIT SIGNATURE:

Context Bounded on the N. by the Little Ossipee River; on the E. by the Buff Brook / Little Ossipee River W. - Lake Arrowhead W. - Little Ossipee Pond subwatershed trail; on the E. by Middle Road & Thyngs Mill Road on the W. by the Waterboro/Alfred - Shapleigh Town line

Spatial Configuration Landform components include the upper valleys containing Buff Brook and Henderson Brook, and the broad valley containing the confluence of Buff Brook, Henderson Brook, and Harvey Mill Stream to the Little Ossipee River, and the upland slopes and terraces which contain these waters.

Water Regime This planning unit is rich with water resources containing major surface waters within Waterboro. A significant wetland presence is diverse in wetland types and is comprised of expansive land coverage.

Land Cover Cover types are wetland species and pure evergreen stands in valley bottoms, with remaining upland areas exhibiting mixed forests, pure hardwoods. Fine stands of pitch Pine & scrub oak barrens occur at the northern section of Buff Brook

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PLANNING UNIT **F-3** LAND AREA

WATERSHED Saco ELEVATION RANGE 455 - 715

SUB-WATERSHED Buff Brook

CONTIGUOUS PLANNING UNITS: E-1, F-2, F-4, F-5

MUNICIPALITY COORDINATION: N/A

I. PLANNING UNIT SIGNATURE:

Context Bounded on N. and E. by West Road; on the S. by the Saco / Mousam River watershed break; on the W. by New Road.

Spatial Configuration The entire planning unit is comprised of relatively uniform slopes descending from West Road to New Road, excepting a flat valley adjacent to Ross Corner.

Water Regime A poorly drained wetland complex is situated on the sloping terrain, which feeds Northwest Pond via a perrennial stream. A wooded swamp wetland extends from Northwest Pond under New Road and into the planning unit.

Land Cover Mixed forests dominate slopes with intersecting stands of pure hardwoods. Pure evergreens dominate the valley adjacent to Ross Corner.

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PLANNING UNIT **F-4** LAND AREA

WATERSHED Saco ELEVATION RANGE 435 - 460

SUB-WATERSHED Buff Brook

CONTIGUOUS PLANNING UNITS: F-3, F-5

MUNICIPALITY COORDINATION: Shapleigh.

I. PLANNING UNIT SIGNATURE:

Context Bounded on the N. by Ross Corner; on the E. by New Road; on the S. and W. by the Waterboro/Shapleigh town line

Spatial Configuration Flat.

Water Regime Contains Northwest Pond and an associated major wooded swamp wetland. Approximately 80% of the area is surface waters or wetland areas.

Land Cover Mostly mixed forest with pockets of pure evergreen cover types.

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PLANNING UNIT **F-5** LAND AREA

WATERSHED Saco ELEVATION RANGE 435 - 470

SUB-WATERSHED Buff Brook

CONTIGUOUS PLANNING UNITS: F-2, F-3, F-4

MUNICIPALITY COORDINATION: Shapleigh

I. PLANNING UNIT SIGNATURE:

Context Bounded on the N. and E. by developed areas associated with lake Sherburne; on the S. by Ross Corner Road; on the W. by the Waterboro / Shapleigh town line.

Spatial Configuration This planning unit straddles the western end of Lake Sherburne, presently not developed. Each side of the remaining land may be described as level terraces above the lake.

Water Regime Contains Lake Sherburne whose western end straddles the Waterboro / Shapleigh town line. A deep marsh - bog wetland extends north from the west end of the lake into Shapleigh.

Land Cover 95% pure evergreen forest.

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PLANNING UNIT **G-1** LAND AREA

WATERSHED Sesco ELEVATION RANGE 325 - 715

SUB-WATERSHED Little Ossipee River (West)

CONTIGUOUS PLANNING UNITS: F-2, H-3

MUNICIPALITY COORDINATION: Limerick

I. PLANNING UNIT SIGNATURE:

Context Bounded on the N. by the Little Ossipee River; on the E. and S. by the Little Ossipee River West / Lake Arrowhead West sub-watershed break; on the S. and W. by the Little Ossipee River West / Buff Brook - Henderson Brook subwatershed break.

Spatial Configuration The subwatershed is defined by three unnamed hills and connecting ridgelines; terrain slopes generally to the N. to the river. A broad valley meets the Ossipee River near Ossipee Mills.

Water Regime An unnamed perennial stream flows N.-S. to the river from an upland valley through this broad valley; containing a significant linear wetland association.

Land Cover Extending from the Little Ossipee southerly into upland terrain, cover type is pure evergreen. Remainder of area comprised of agricultural fields, mixed forest and pure hardwood forest.

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PLANNING UNIT **H-1** LAND AREA

WATERSHED Saco ELEVATION RANGE 310 - 370

SUB-WATERSHED Lake Arrowhead (West)

CONTIGUOUS PLANNING UNITS: H-2, I-4

MUNICIPALITY COORDINATION: Limerick

I. PLANNING UNIT SIGNATURE:

Context Bounded on the N. and E. by Lake Arrowhead; on the S. by Chadbourne Ridge Road; on the W. by Route 5.

Spatial Configuration Generally composed of sloping terrain between Route 5 and Lake Arrowhead, however, the terrain in most areas is extremely dissected with linear ridges and valleys containing water - related natural areas.

Water Regime An unnamed perennial stream extends from the lake across Route 5 into planning unit H-2 And contains a significant and diverse wetland association. Additional wetland areas occur in direct association with the lake; including several deep marshes and bogs.

Land Cover The northern edge of Lake Arrowhead extending to the Little Ossipee River is pure evergreen. The remaining area is predominant mixed forest, with pockets of pure hardwood, pure evergreen, and deciduous forest.

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Natural Resource Inventory and Analysis

PLANNING UNIT **H-2** LAND AREA

WATERSHED Saco ELEVATION RANGE 325 - 715

SUB-WATERSHED Lake Arrowhead West

CONTIGUOUS PLANNING UNITS: H-1, H-3, H-4, I-3, I-4, I-3, G-1

MUNICIPALITY COORDINATION: N/A

I. PLANNING UNIT SIGNATURE:

Context Bounded on the N. by the Lake Arrowhead West/Little Ossipee River West subwatershed break; on the E. by Route 5; on the S. and W. by Clarks Bridge Road.

Spatial Configuration An unnamed hill and ridge on the lower slopes of Ossipee Hill dominate the topographic landform here. A linear valley descends adjacent to Clarks Bridge Road, crossing Route 5 to the lake. A second valley parallel to this one joins to form a confluence at Route 5

Water Regime Both valleys contain perennial stream headwaters which feed Lake Arrowhead. Both streams contain associated wooded swamp and shrub swamp wetlands.

Land Cover Ridgetops exhibit pure hardwood growth, valleys contain pure evergreen stands, transition (slope) areas are mixed hardwood. Agricultural fields occur at the edge of Clarks Bridge Road and Route 5.

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Natural Resource Inventory and Analysis

PLANNING UNIT **H-3** LAND AREA

WATERSHED Saco ELEVATION RANGE 450 - 750

SUB-WATERSHED Lake Arrowhead West

CONTIGUOUS PLANNING UNITS: H-2, H-4, F-3

MUNICIPALITY COORDINATION: N/A

I. PLANNING UNIT SIGNATURE:

Context Bounded on the N. by Clarks Bridge Road; on the E. by the Lake Arrowhead West / Little Ossipee Pond sub-watershed breaks; on the S. by the Lake Arrowhead West / Buff Brook subwatershed break; on the W. by Thurings Mill Road.

Spatial Configuration The summit ridge of Ossipee Hill forms the south boundary of this planning unit; the land descends steeply to Thurings Mill Road and Clarks Bridge Road and is bissected by two stream valleys which converge to form a broad valley adjacent to Clarks Bridge Road

Water Regime Perennial streams and associated wetland vegetation (woody swamp) areas occur within these two stream valleys, which drain eventually to the lake.

Land Cover Upland ridges are pure hardwood, remaining area is mixed forest, excepting agricultural fields at the Clarks Bridge / Middle Road intersection.

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PLANNING UNIT **H-4** LAND AREA

WATERSHED Saco ELEVATION RANGE 470 - 600

SUB-WATERSHED Lake Arrowhead West

CONTIGUOUS PLANNING UNITS: H-2, H-3, F-2

MUNICIPALITY COORDINATION: N/A

I. PLANNING UNIT SIGNATURE:

Context Bounded on the N. and E. by Clarks Bridge Road; on the S. by Thynes Mill Road; on the W. by the Lake Arrowhead/Buff Brook subwatershed break.

Spatial Configuration A low ridge extending N-S. from Ossipee Hill forms the edge of this area, which contains generally N+E. facing slopes descending to a flow valley along the Clarks Bridge Road edge.

Water Regime This planning unit contains a headwaters of the perennial stream which descends to the Lake, passing through planning unit H-2 and H-1. The entire length of this stream contains associated wetland types.

Land Cover North-facing/East-facing slopes contain pure evergreen ~~trees~~; remaining cover is mixed forest.

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PLANNING UNIT I-1 LAND AREA

WATERSHED Saco ELEVATION RANGE 350 - 550

SUB-WATERSHED Little Ossipee Pond

CONTIGUOUS PLANNING UNITS: A-1, A-2, I-2, J-2

MUNICIPALITY COORDINATION: N/A

I. PLANNING UNIT SIGNATURE:

Context Bounded on the N. by the Little Ossipee Pond / Killick Pond sub-watershed break; on the E. S. and W. by Townhouse Road and Webber Road.

Spatial Configuration Dominated by Chadbourne Ridge, the land descends steeply to Webber Road. A broad valley occurs at the lowest elevation, adjacent to the Webber Road / Townhouse Road intersection.

Water Regime Planning unit includes two unnamed ponds with associated wetlands, which occur where the toe of Chadbourne Ridge meets the valley floor.

Land Cover Ridge slopes are pure hardwood to Webber Road, excepting some agricultural fields. The broad valley is composed primarily of mixed forest cover.

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PLANNING UNIT **I-2** LAND AREA

WATERSHED Saco ELEVATION RANGE 335 - 425

SUB-WATERSHED Little Ossipee Lake

CONTIGUOUS PLANNING UNITS: A-3, C-1

MUNICIPALITY COORDINATION: N/A

I. PLANNING UNIT SIGNATURE:

Context Bounded on the N. and W. by Townhouse Road; on the S. and E. by the Little Ossipee Pond / Killick Pond / Cooks Brook sub-watershed breaks.

Spatial Configuration A linear valley parallels Townhouse Road and is contained on both sides by the northern limits of Roberts Ridge.

Water Regime A major wetland complex occurs in the entire valley floor, and culminates at an unnamed pond with a large bog. Wetlands also include wooded marshes, shrub swamps, wooded swamps.

Land Cover Entirely mixed forest cover.

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PLANNING UNIT I-3 LAND AREA

WATERSHED Saco ELEVATION RANGE 320 - 850

SUB-WATERSHED Little Ossipee Pond

CONTIGUOUS PLANNING UNITS: I-4, I-5, D-8, F-1, H-3

MUNICIPALITY COORDINATION: N/A

I. PLANNING UNIT SIGNATURE:

Context Bounded on the N. by the Little Ossipee Pond / Lake Arrowhead West sub-watershed break; on the E. by Route 5 on the S. by the Saco / Mousam River watershed break, on the W. by the Little Ossipee Pond / Buff Brook sub-watershed break.

Spatial Configuration Steep slopes descend steeply from the summit of Ossipee Hill partially to Route 5, then form a series of dissected hills, valleys and terraces, all generally sloping to Route 5. A small upland valley exists at the terminus of the Bagley Road.

Water Regime Two primary drainage courses drain the upland dissected terrain. A major wetland complex exists in the valley at the terminus of Bagley Road; numerous additional pocketed wetlands occur within the southern section of the planning unit.

Land Cover Even distribution of pure hardwood forest, mixed forest and pure evergreen forest. Some agricultural fields occur at the Route 5 edge.

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PLANNING UNIT I-5 LAND AREA

WATERSHED Saco ELEVATION RANGE 315 - 430

SUB-WATERSHED Little Ossipee Pond

CONTIGUOUS PLANNING UNITS: N/A

MUNICIPALITY COORDINATION: N/A

I. PLANNING UNIT SIGNATURE:

Context Bounded on all sides by Route 5 and developed areas associated with the pond, excepting a small section of shoreline at the north end of the planning unit.

Spatial Configuration Area contains a hill top landform which descends to the pond; this is a dissected upland area draining generally to the north.

Water Regime A significant wetland complex associates with perennial streams flowing to the pond, ending at the cove meeting the northern shoreline of the planning unit

Land Cover Entirely pure hardwood forest.

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PLANNING UNIT **I-4** LAND AREA

WATERSHED Saco ELEVATION RANGE 310 - 355

SUB-WATERSHED Little Ossipee Pond

CONTIGUOUS PLANNING UNITS: I-3, HH

MUNICIPALITY COORDINATION: N/A

I. PLANNING UNIT SIGNATURE:

Context Bounded on the N. by Chadbourne Ridge Road; on the E. and S. by Silas Brown Road; on the W. by Route 5.

Spatial Configuration Landform contains a flat terrace adjacent to the Chadbourne Ridge Road / Route 5 intersection, then descends to a small valley adjacent to Silas Brown Road and Chadbourne Ridge Road.

Water Regime The entire area of the valley exhibits a major wetland complex which drains to the lake. A deep marsh wetland occurs adjacent to the Route 5/ Silas Brown Road intersection.

Land Cover Upper terrace is an agricultural field; lower valley is pure hardwood cover with mixed forests occurring on Silas Brown and Chadbourne Ridge Roads.

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PLANNING UNIT **J-1** LAND AREA

WATERSHED Saco ELEVATION RANGE 345 - 520

SUB-WATERSHED Lake Arrowhead East

CONTIGUOUS PLANNING UNITS: K-1

MUNICIPALITY COORDINATION: N/A

I. PLANNING UNIT SIGNATURE:

Context Bounded on the N. and E. by the Lake Arrowhead East / Little Ossipee River East sub-watershed break; on the S. by Chadbourne Ridge Road; on the W. by Beaver Pond Road.

Spatial Configuration Planning unit is comprised of two major sloped areas descending from Chadbourne Ridge, meeting in a valley draining to Lake Arrowhead.

Water Regime Valley contains a perennial stream originating at a small pond adjacent to the Chadbourne Ridge Road. The stream is topographically confined and exhibits minor wetland associations.

Land Cover Entirely pure evergreen forest.

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PLANNING UNIT **J-2** LAND AREA

WATERSHED Saco ELEVATION RANGE 320 - 530

SUB-WATERSHED Lake Arrowhead East

CONTIGUOUS PLANNING UNITS: A-1, I-1, J-3

MUNICIPALITY COORDINATION: N/A

I. PLANNING UNIT SIGNATURE:

Context Bounded on N. by Chadbourne Ridge Road; on the E. by the Lake Arrowhead East / Killick Pond subwatershed break; on the S, by the Lake Arrowhead East / Little Ossipee Pond sub-watershed break.

Spatial Configuration Comprised of west facing slopes descending from Chadbourne Ridge; slopes are dissected with terraced levels.

Water Regime Wooded swamp wetlands occur on the sloped areas draining to shrub swamps and wooded marshes at the lowest elevation adjacent to Chadbournes Mills.

Land Cover Entirely mixed forest excepting two agricultural fields adjacent to Chadbourne Ridge Road.

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PLANNING UNIT **J-3**

LAND AREA

WATERSHED Saco

ELEVATION RANGE 300 - 350

SUB-WATERSHED Lake Arrowhead East

CONTIGUOUS PLANNING UNITS: J-1, J-2

MUNICIPALITY COORDINATION: N/A

I. PLANNING UNIT SIGNATURE:

Context Bounded on the N., E. and S. by New Dam Road and associated developed areas; on the W. by Lake Arrowhead undeveloped shoreline.

Spatial Configuration Area is composed mostly of a flat terrace 50 feet above the lake; terrace extends to within 200 feet of the lake; then descends steeply to the shoreline.

Water Regime No streams, ponds, or wetlands occurs, only the lake shoreline is present

Land Cover Entirely mixed forest cover.

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PLANNING UNIT **J-4** LAND AREA

WATERSHED Saco ELEVATION RANGE 300 - 350

SUB-WATERSHED Lake Arrowhead East

CONTIGUOUS PLANNING UNITS: N/A

MUNICIPALITY COORDINATION: N/A

I. PLANNING UNIT SIGNATURE:

Context Bounded on the N., E. and S. by Lake Arrowhead Estates; on the W. by Lake Arrowhead.

Spatial Configuration Essentially terraced from the existing developed areas down to a lower terrace adjacent to the lake. The shoreline here is very articulated with small coves and land spits into the lake.

Water Regime A deep marsh / bog wetland occurs at the head of the major cove extending inland from the lake.

Land Cover Entirely mixed forest cover.

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PLANNING UNIT **K-1** LAND AREA

WATERSHED Saco ELEVATION RANGE 280 - 500

SUB-WATERSHED Little Ossipee River East

CONTIGUOUS PLANNING UNITS: A-1, J-1

MUNICIPALITY COORDINATION: Hollis

1. PLANNING UNIT SIGNATURE:

Context Bounded on the N. by the Little Ossipee River; on the E. by the Waterboro/Hollis town line; on the S. by the Little Ossipee River East/Killick Pond sub-watershed break; on the W. by the Little Ossipee River East/Cole Arrowhead East sub-watershed break

Spatial Configuration Topography very diverse, contains Isinglass hill, unnamed smaller hills and the northern section of Chadbourne Ridge. Three small valleys drain to the Little Ossipee river, draining the upland areas.

Water Regime Planning unit contains the river, Isinglass Pond, several perennial streams and associated wetlands, including several bogs, shrub swamps and woody swamps.

Land Cover Ridgetops and sloping areas are mixed forested; valleys and low elevation zones are pure evergreen forests.